

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049409.D
 Acq On : 20 Jun 2018 1:56
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:54:02 PM

Quant Time: Jun 20 06:43:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1468643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2207358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2003130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1013406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	902624	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.59	113	816186	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
50) Toluene-d8	10.09	98	3056510	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
62) 4-Bromofluorobenzene	12.40	95	1026846	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	788727	46.659	ug/l	98
3) Chloromethane	2.06	50	964334	44.178	ug/l	99
4) Vinyl Chloride	2.18	62	1072792	46.244	ug/l	99
5) Bromomethane	2.56	94	512101	41.992	ug/l	97
6) Chloroethane	2.70	64	661236	47.804	ug/l	98
7) Trichlorofluoromethane	3.01	101	1383940	47.820	ug/l	99
8) Diethyl Ether	3.41	74	483612	47.863	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	834567	45.467	ug/l	93
10) Methyl Iodide	3.95	142	1033132	54.066	ug/l	93
11) Tert butyl alcohol	4.80	59	259885	227.315	ug/l	97
12) 1,1-Dichloroethene	3.73	96	784071	46.562	ug/l	91
13) Acrolein	3.61	56	392133	327.067	ug/l	99
14) Allyl chloride	4.32	41	1227166	46.153	ug/l	89
15) Acrylonitrile	4.99	53	1408140	246.316	ug/l	98
16) Acetone	3.82	43	961242	203.240	ug/l	94
17) Carbon Disulfide	4.05	76	2362197	44.755	ug/l	100
18) Methyl Acetate	4.33	43	704344	48.841	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2135706	49.744	ug/l	99
20) Methylene Chloride	4.55	84	912950	46.218	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	838398	47.028	ug/l	92
22) Diisopropyl ether	5.96	45	2637830	49.680	ug/l	96
23) Vinyl Acetate	5.90	43	8789402	253.926	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1596521	46.979	ug/l	98
25) 2-Butanone	6.84	43	1489983	234.617	ug/l	97
26) 2,2-Dichloropropane	6.83	77	966856	35.228	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	948354	47.847	ug/l	89
28) Bromochloromethane	7.20	49	707616	46.965	ug/l	84
29) Tetrahydrofuran	7.21	42	1020995	249.754	ug/l	94
30) Chloroform	7.37	83	1612968	47.691	ug/l	100
31) Cyclohexane	7.65	56	1388176	48.178	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1384671	47.983	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1216424	48.082	ug/l	97
37) Ethyl Acetate	6.93	43	717171	52.145	ug/l	97
38) Carbon Tetrachloride	7.77	117	1246920	47.609	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1243837	45.803	ug/l	96
40) Benzene	8.04	78	3706353	47.787	ug/l	99
41) Methacrylonitrile	7.17	41	298085	40.091	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1147635	47.893	ug/l	96
43) Isopropyl Acetate	8.17	43	1334161	50.772	ug/l #	84
44) Trichloroethene	8.84	130	983919	48.039	ug/l	93
45) 1,2-Dichloropropane	9.12	63	967321	47.633	ug/l	100
46) Dibromomethane	9.21	93	574127	48.757	ug/l	92
47) Bromodichloromethane	9.40	83	1245143	48.118	ug/l	96
48) Methyl methacrylate	9.20	41	644354	52.071	ug/l	88
49) 1,4-Dioxane	9.20	88	164725	964.491	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3516135	255.304	ug/l	94
52) Toluene	10.16	92	2271547	49.900	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1169546	47.246	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1369179	46.843	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	815464	48.053	ug/l	97
56) Ethyl methacrylate	10.43	69	1010199	51.599	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1368921	48.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1434137	207.486	ug/l	94
59) 2-Hexanone	10.75	43	2240982	252.390	ug/l	92
60) Dibromochloromethane	10.90	129	926219	48.901	ug/l	99
61) 1,2-Dibromoethane	11.01	107	785419	49.792	ug/l	100
64) Tetrachloroethene	10.63	164	1054368	51.367	ug/l	98
65) Chlorobenzene	11.44	112	2456355	47.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	915898	47.165	ug/l	99
67) Ethyl Benzene	11.51	91	4264734	49.826	ug/l	97
68) m/p-Xylenes	11.62	106	3279176	102.086	ug/l	97
69) o-Xylene	11.95	106	1573990	50.875	ug/l	96
70) Styrene	11.97	104	2584701	52.954	ug/l	97
71) Bromoform	12.13	173	622769	49.544	ug/l #	99
73) Isopropylbenzene	12.25	105	4200239	47.204	ug/l	99
74) N-amyl acetate	12.07	43	1066755	48.947	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	917815	50.147	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	829960m	47.999	ug/l	
77) Bromobenzene	12.53	156	1052695	44.790	ug/l	89
78) n-propylbenzene	12.59	91	4718516	48.297	ug/l	99
79) 2-Chlorotoluene	12.68	91	2854379	46.110	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3426238	48.990	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	234897	42.935	ug/l	92
82) 4-Chlorotoluene	12.78	91	2854046	47.789	ug/l	97
83) tert-Butylbenzene	12.99	119	2861334	46.180	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3461195	49.818	ug/l	99
85) sec-Butylbenzene	13.17	105	3838798	46.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	3313052	48.085	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1803074	46.634	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1747712	45.606	ug/l	99
89) n-Butylbenzene	13.62	91	2526206	46.941	ug/l	98
90) Hexachloroethane	13.88	117	634390	48.605	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	1756621	46.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139282	44.962	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	690524	40.705	ug/l	99
94) Hexachlorobutadiene	15.01	225	523409	47.026	ug/l	99
95) Naphthalene	15.14	128	1335242	44.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	703993	42.027	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

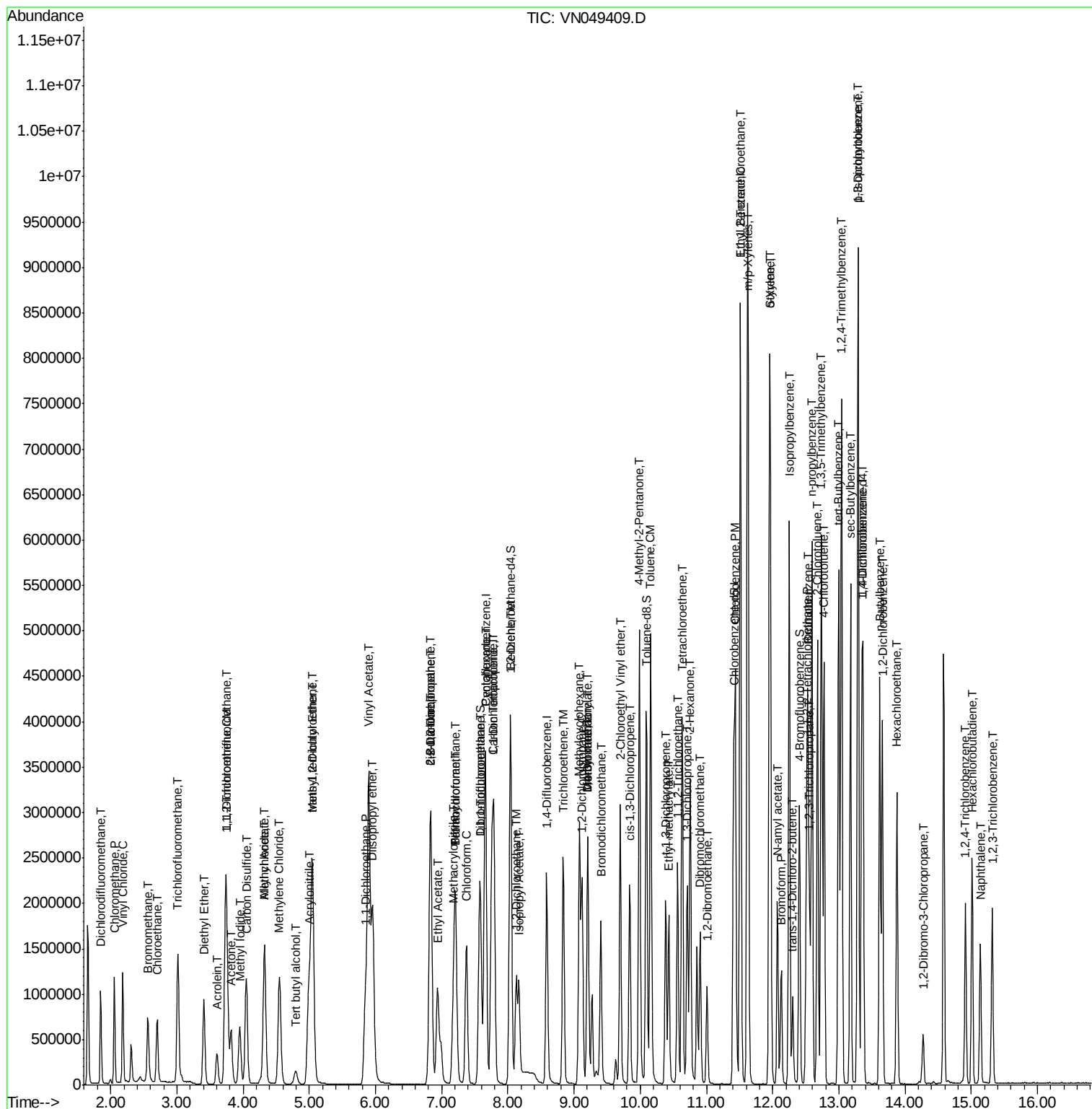
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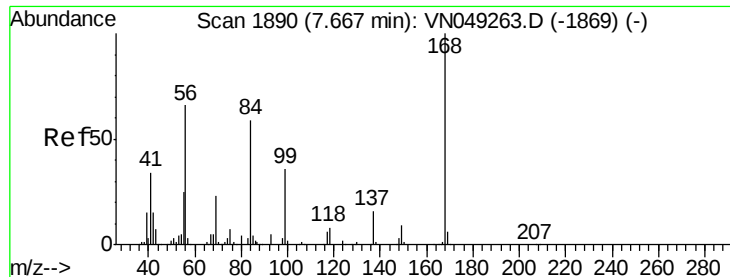
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1468643

Ion Ratio Lower Upper

168 100

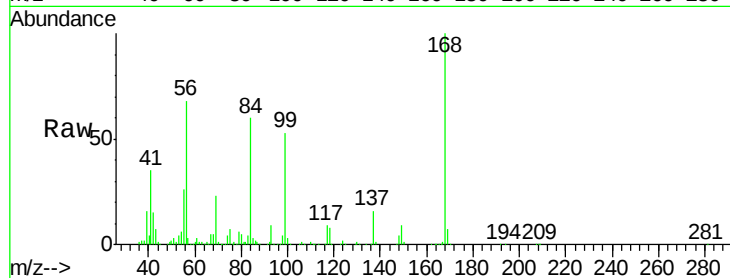
99 52.9 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

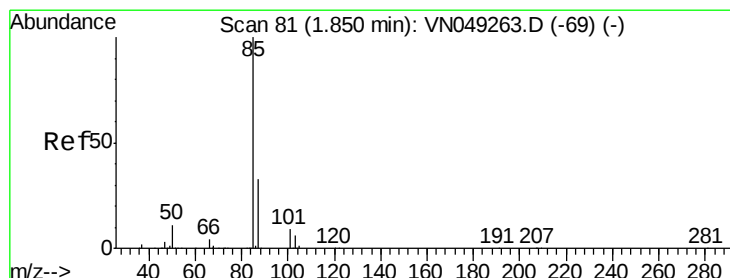
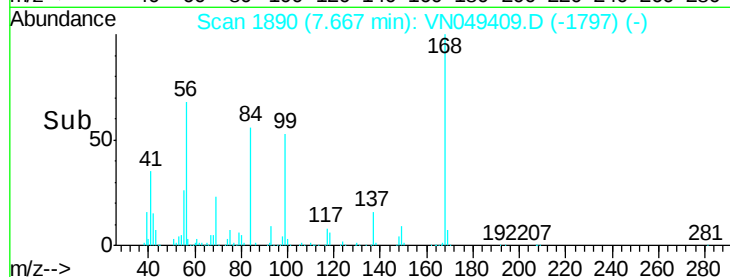
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 46.659 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049409.D

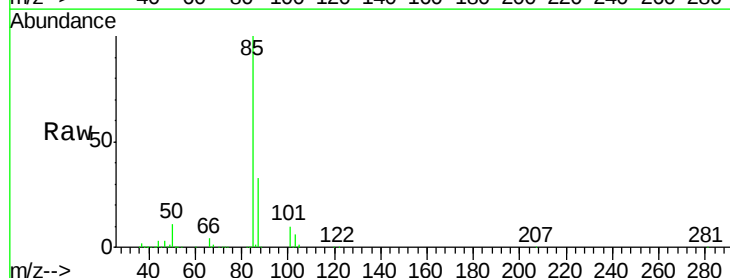
Acq: 20 Jun 2018 1:56

Tgt Ion: 85 Resp: 788727

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

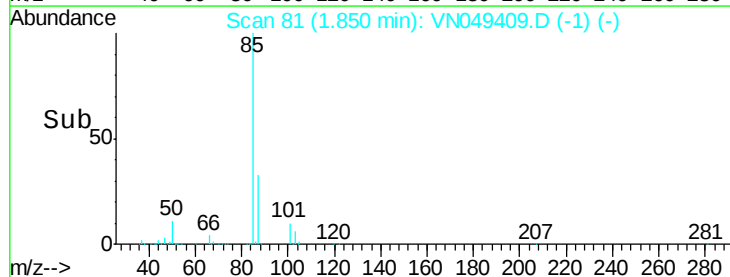
600000

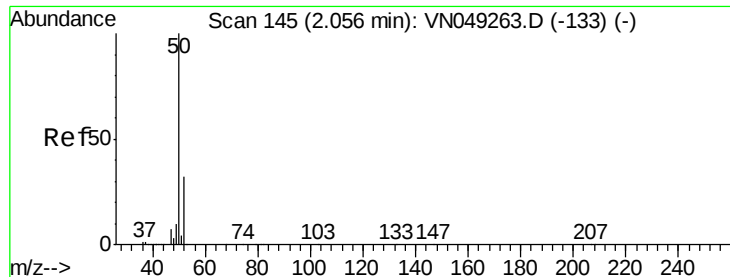
400000

200000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 44.178 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 964334

Ion Ratio Lower Upper

50 100

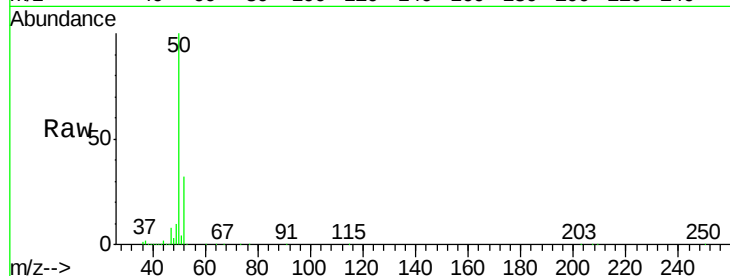
52 32.2 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN049409.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049409.D (-52) (-)

2.06

800000

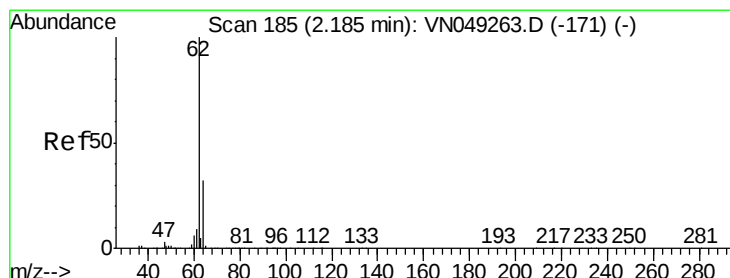
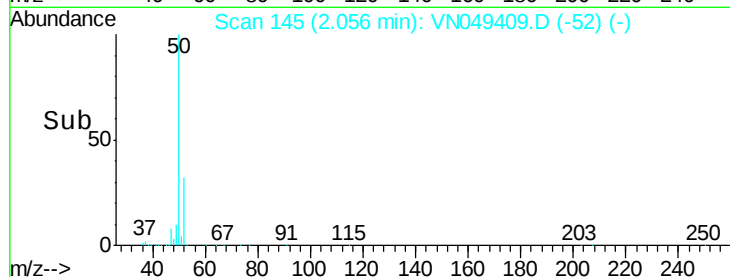
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 46.244 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049409.D

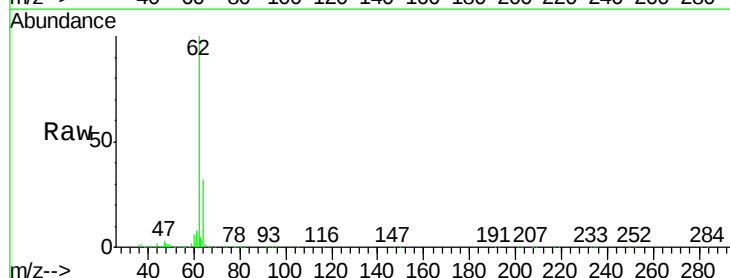
Acq: 20 Jun 2018 1:56

Tgt Ion: 62 Resp: 1072792

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049409.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049409.D (-92) (-)

2.18

800000

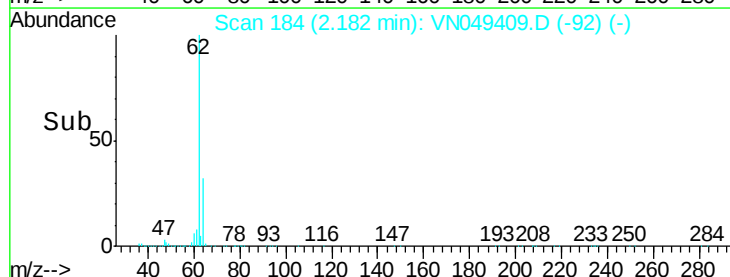
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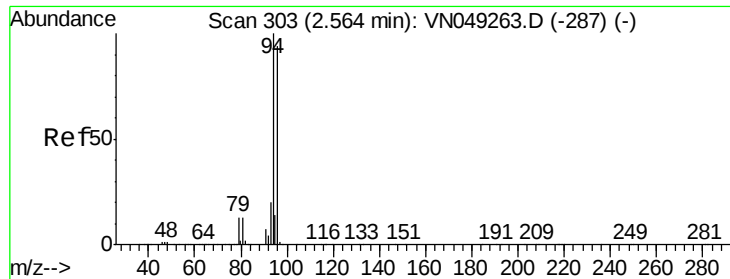
400000

200000

0

Time-->





#5

Bromomethane

Concen: 41.992 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 512101

Ion Ratio Lower Upper

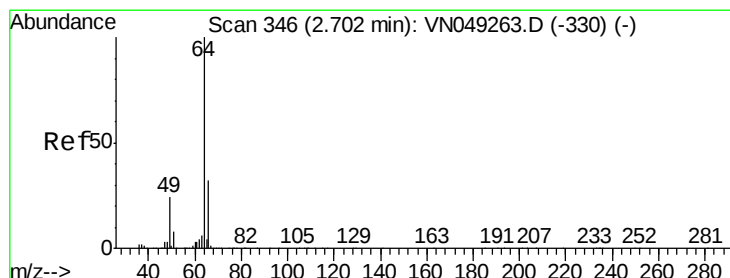
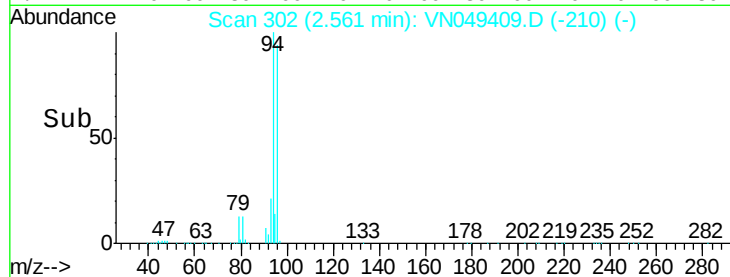
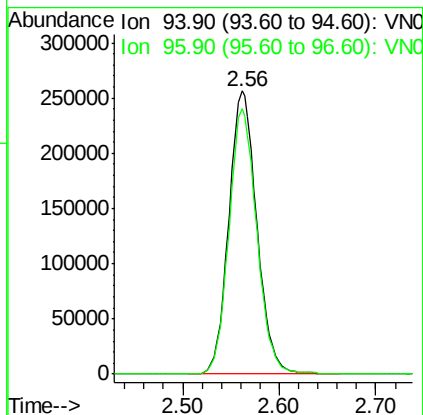
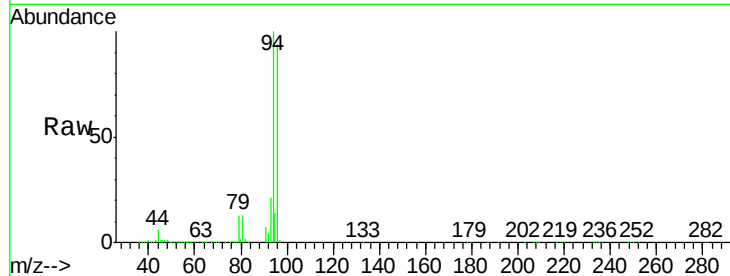
94 100

96 93.8 72.8 109.2

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6/20/2018 4:54:02 PM



#6

Chloroethane

Concen: 47.804 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049409.D

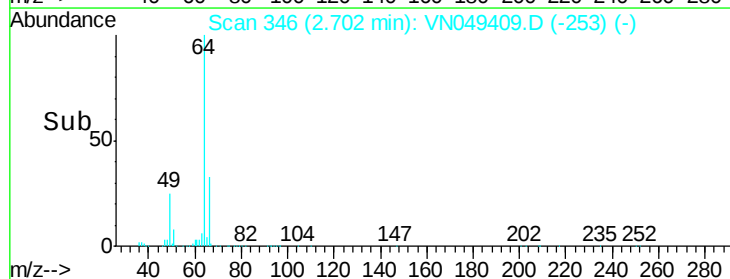
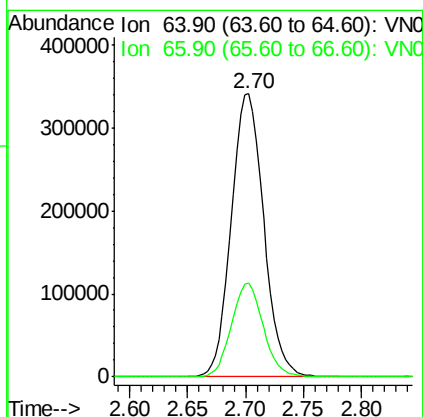
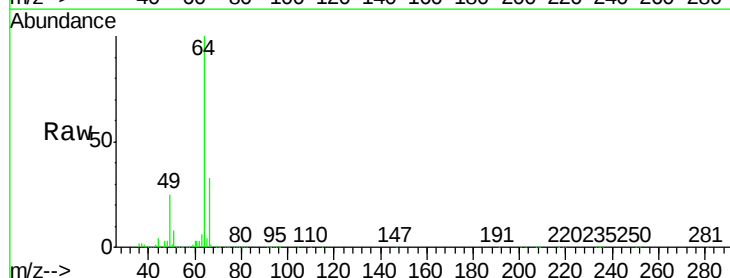
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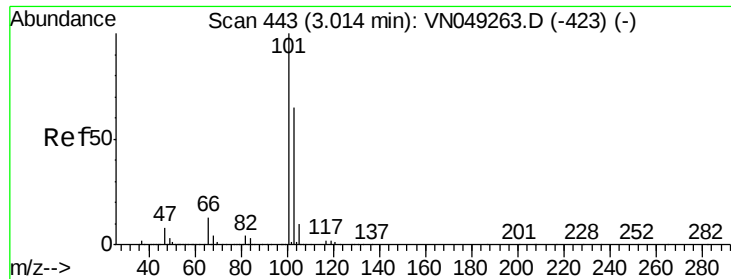
Tgt Ion: 64 Resp: 661236

Ion Ratio Lower Upper

64 100

66 33.1 25.6 38.4





#7

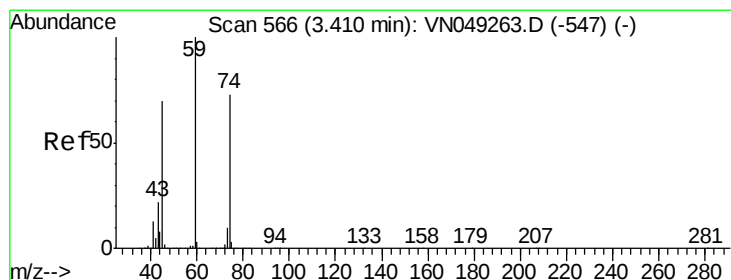
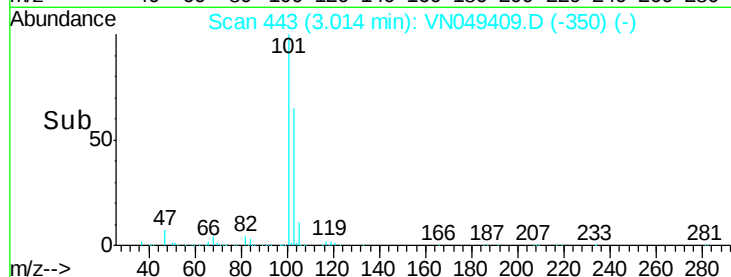
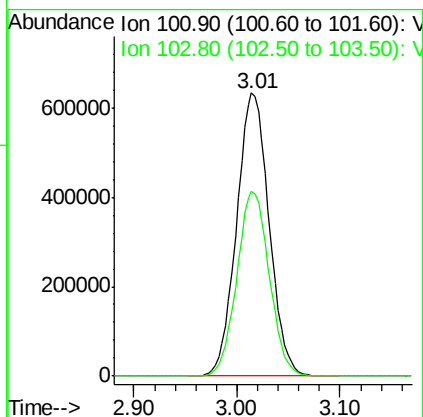
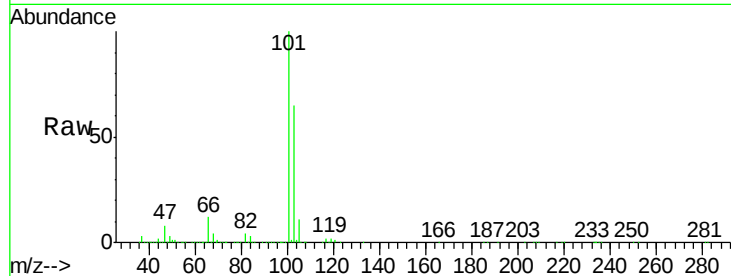
Trichlorofluoromethane
Concen: 47.820 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

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Tot Ion:101 Resp: 1383940
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5

Manual Integrations
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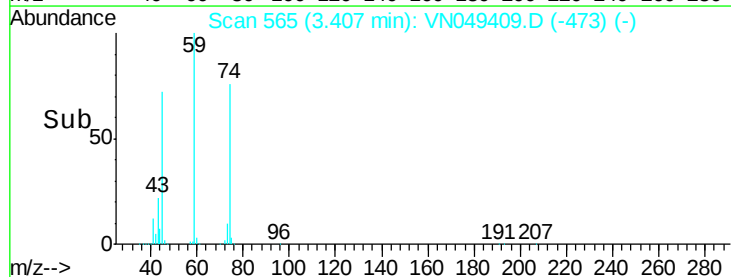
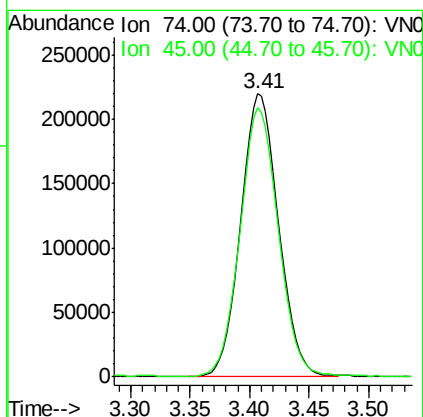
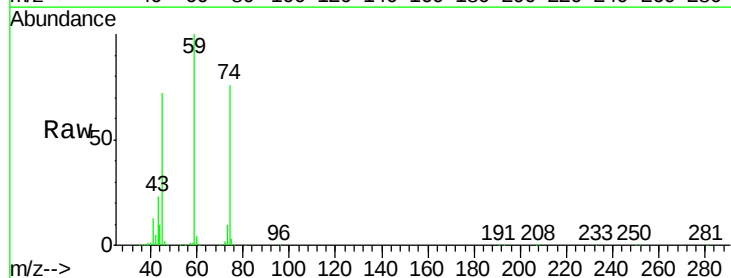
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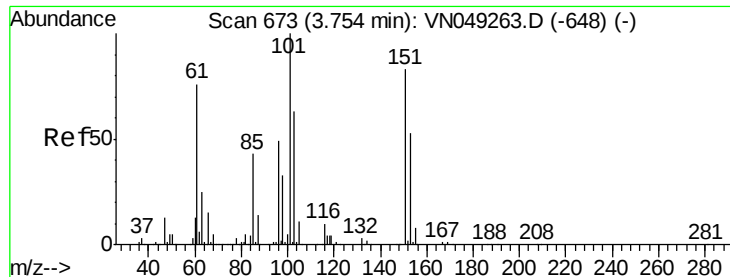


#8

Diethyl Ether
Concen: 47.863 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 74 Resp: 483612
Ion Ratio Lower Upper
74 100
45 95.9 51.9 155.8





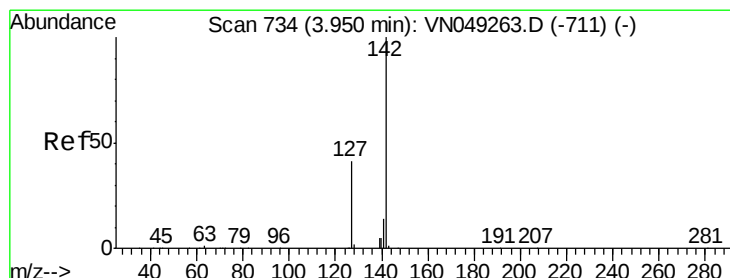
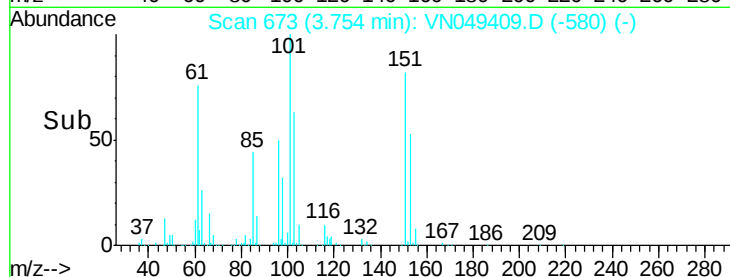
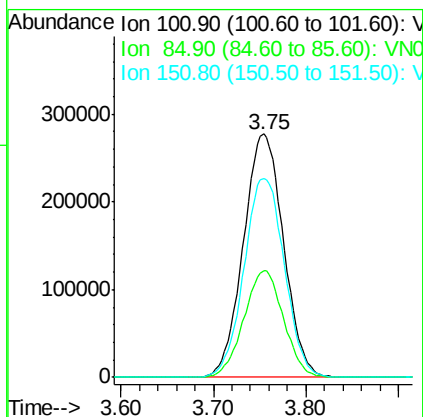
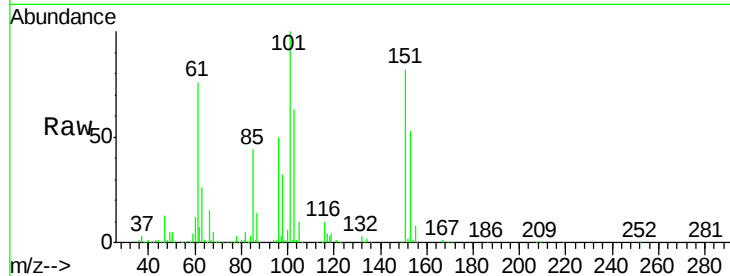
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.467 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	834567		
85	43.2		37.6	56.4
151	82.5		61.1	91.7

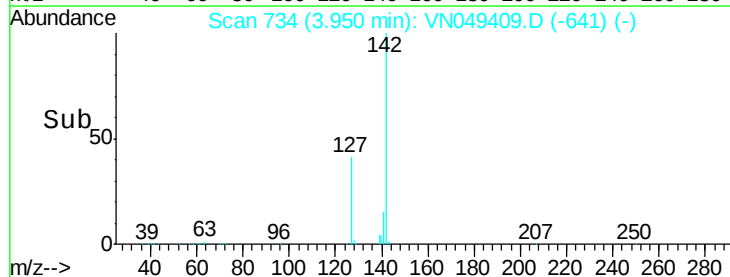
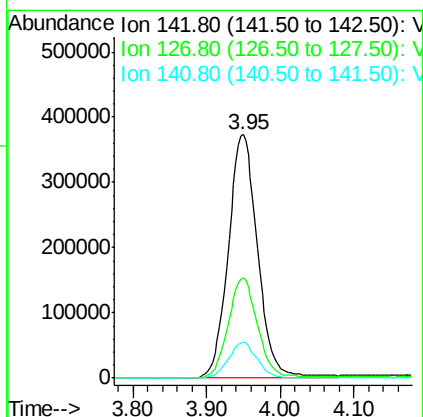
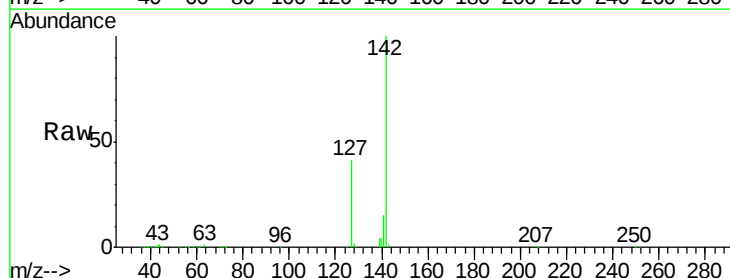
Manual Integrations
 APPROVED

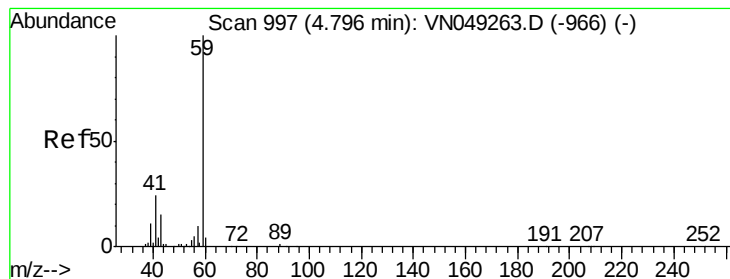
MMDadoda
 6/20/2018 4:54:02 PM



#10
 Methyl Iodide
 Concen: 54.066 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1033132		
127	41.7		38.2	57.4
141	14.4		11.9	17.9





#11

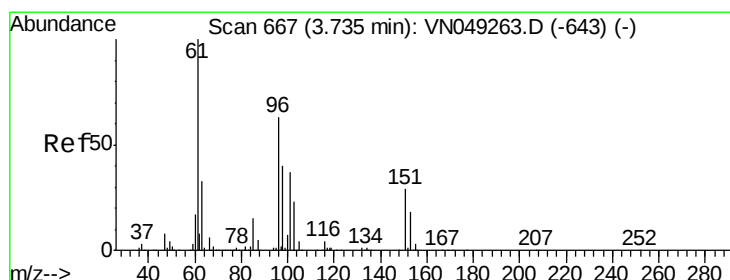
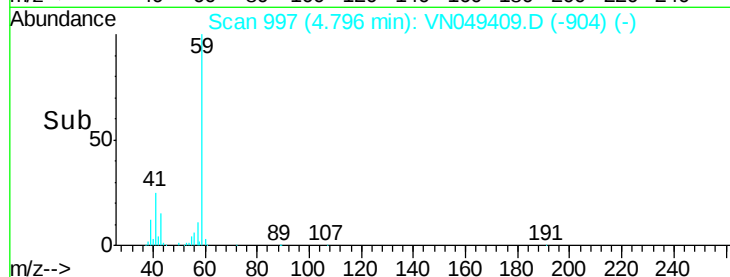
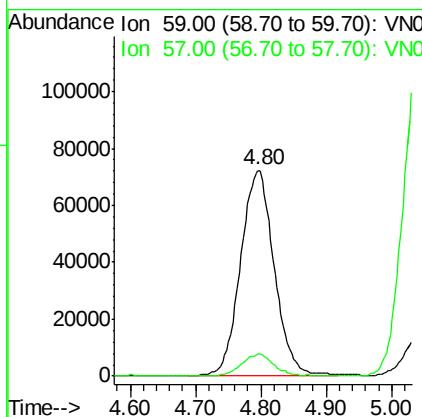
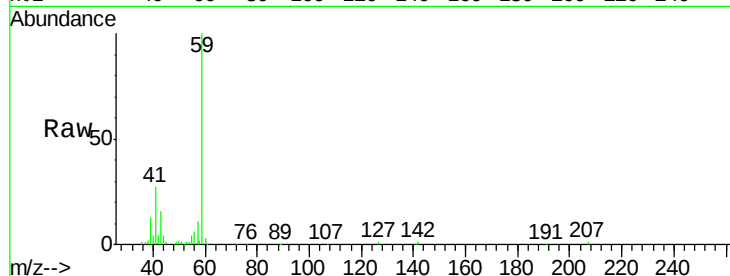
Tert butyl alcohol
Concen: 227.315 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.6

Manual Integrations
APPROVED

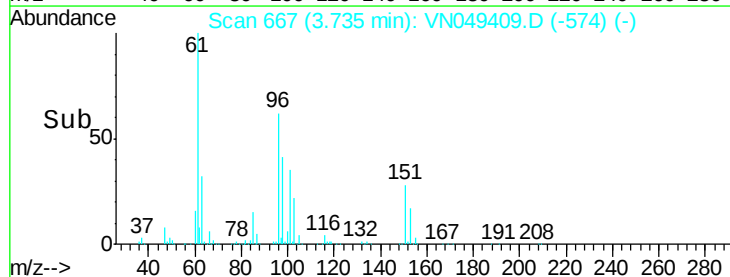
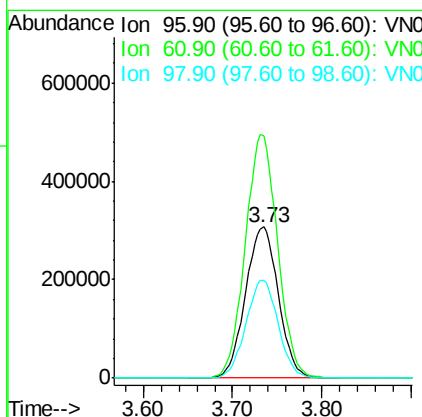
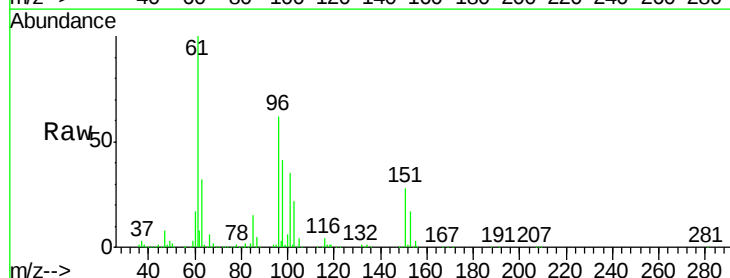
MMDadoda
6/20/2018 4:54:02 PM

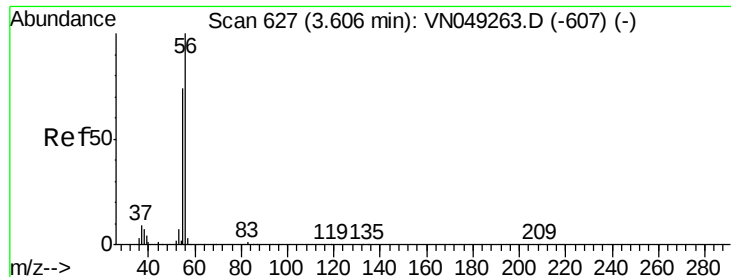


#12

1,1-Dichloroethene
Concen: 46.562 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	141.0	211.4
98	64.9	50.4	75.6





#13

Acrolein

Concen: 327.067 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 392133

Ion Ratio Lower Upper

56 100

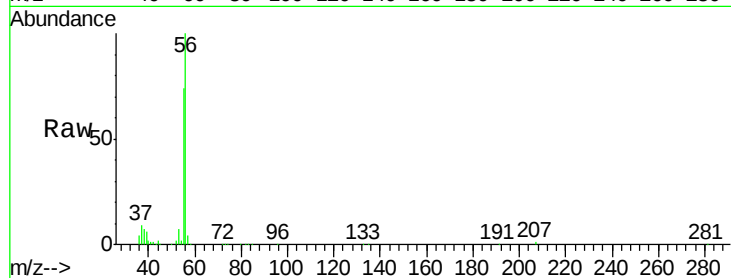
55 72.6 57.1 85.7

Manual Integrations

APPROVED

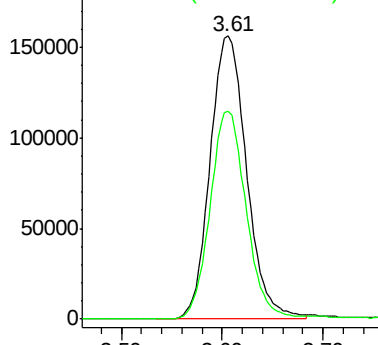
MMDadoda

6/20/2018 4:54:02 PM

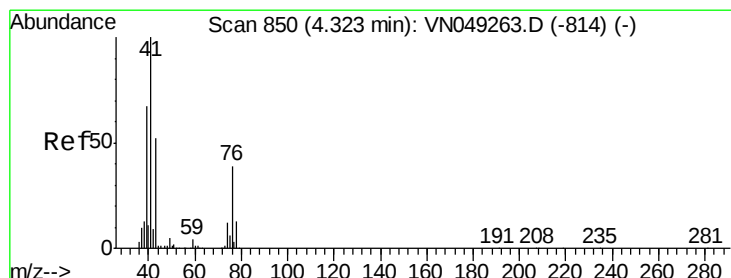
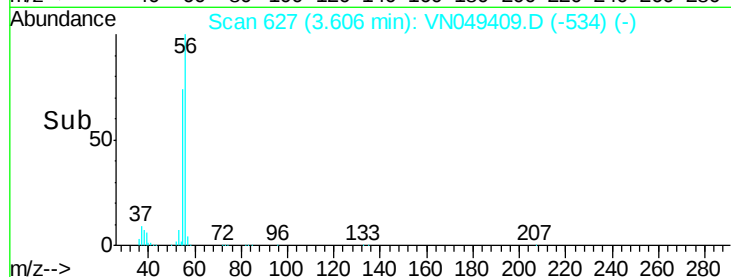


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 46.153 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

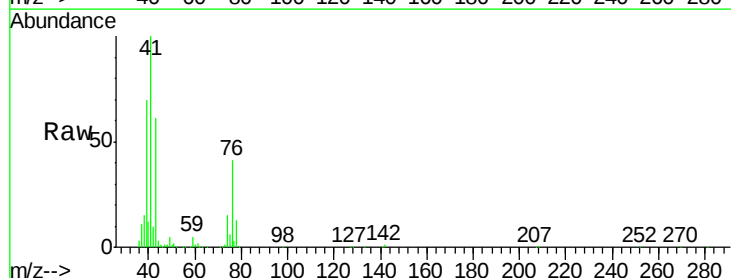
Tgt Ion: 41 Resp: 1227166

Ion Ratio Lower Upper

41 100

39 66.7 62.5 93.7

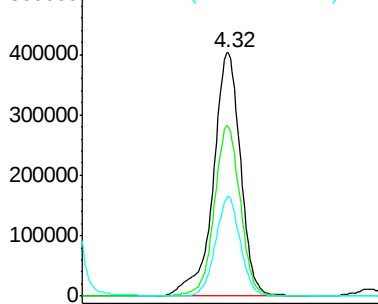
76 36.9 27.1 40.7



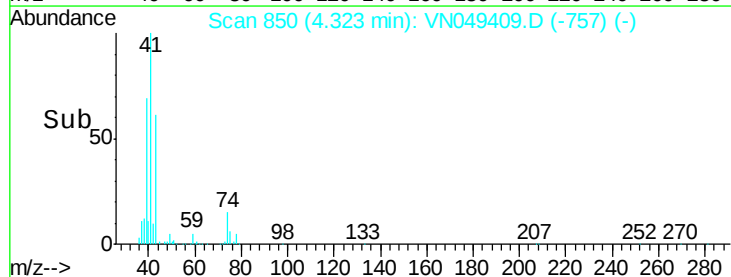
Abundance Ion 41.00 (40.70 to 41.70): VN0

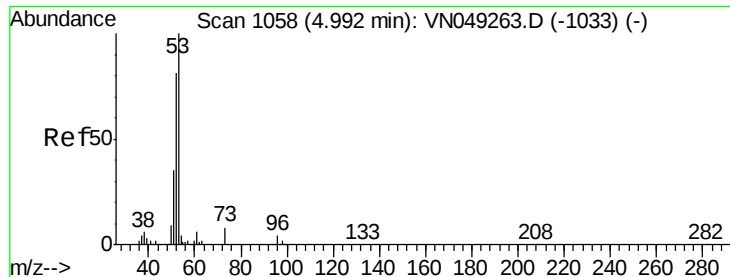
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





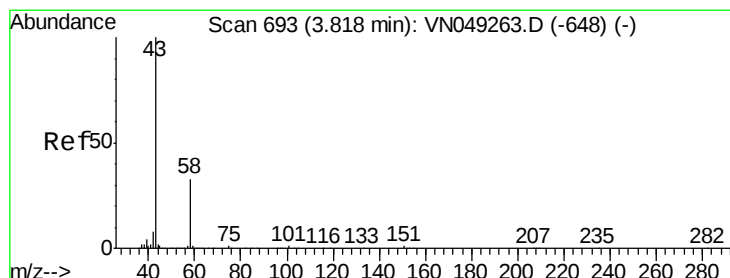
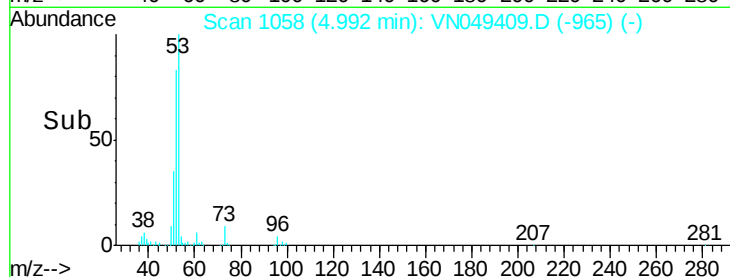
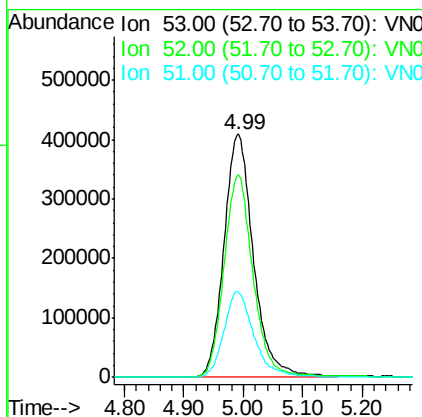
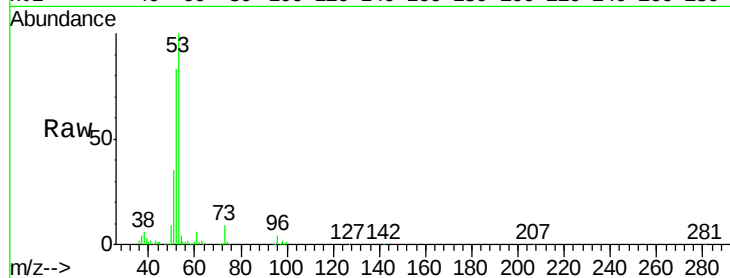
#15
 Acrylonitrile
 Concen: 246.316 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	100.0
51	36.0	29.8	44.8

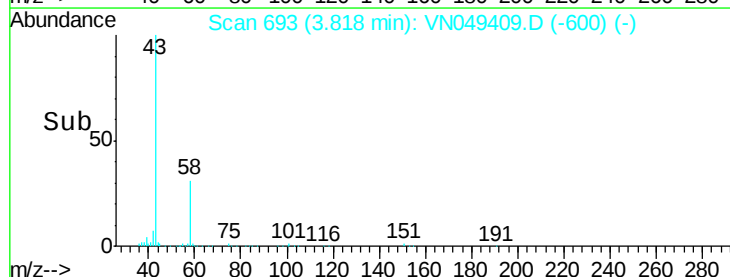
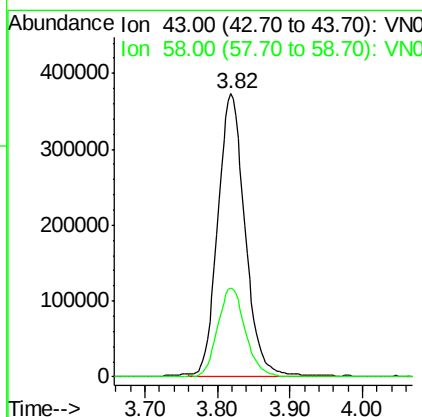
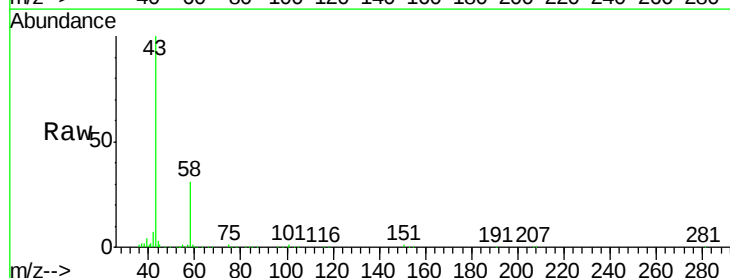
Manual Integrations
 APPROVED

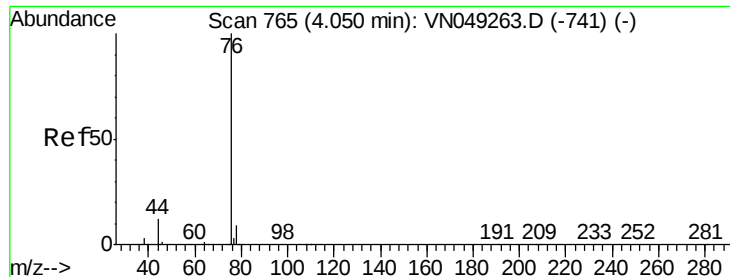
MMDadoda
 6/20/2018 4:54:02 PM



#16
 Acetone
 Concen: 203.240 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.4	33.6





#17

Carbon Disulfide

Concen: 44.755 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2362197

Ion Ratio Lower Upper

76 100

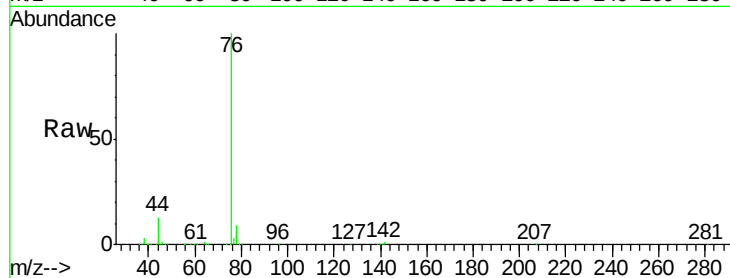
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

6/20/2018 4:54:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

800000

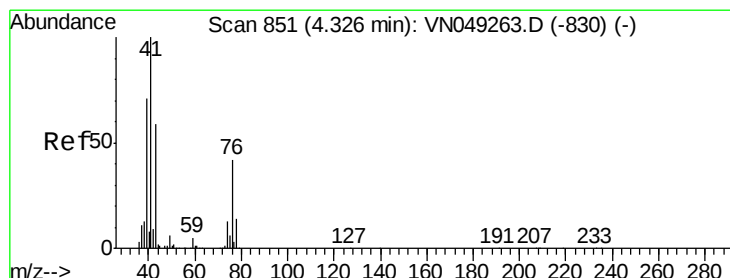
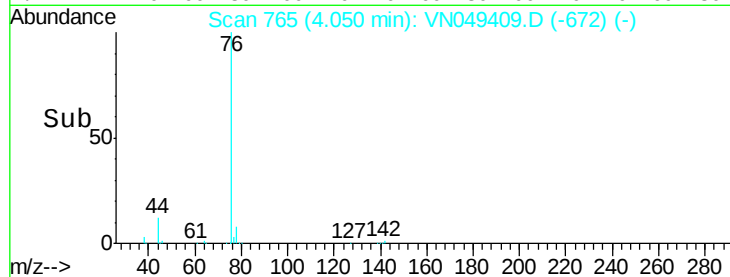
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 48.841 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049409.D

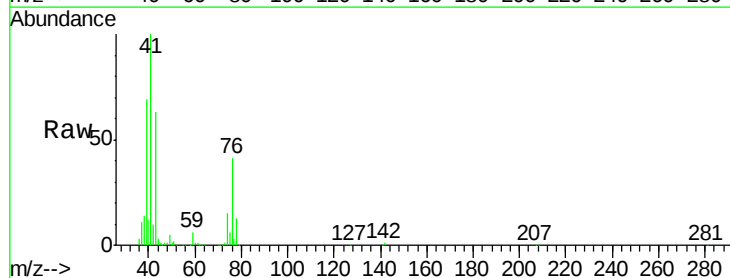
Acq: 20 Jun 2018 1:56

Tgt Ion: 43 Resp: 704344

Ion Ratio Lower Upper

43 100

74 24.6 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

250000

200000

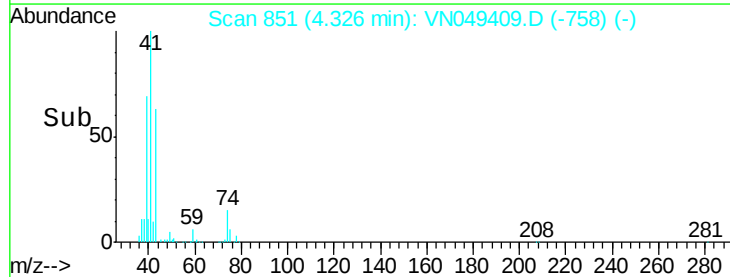
150000

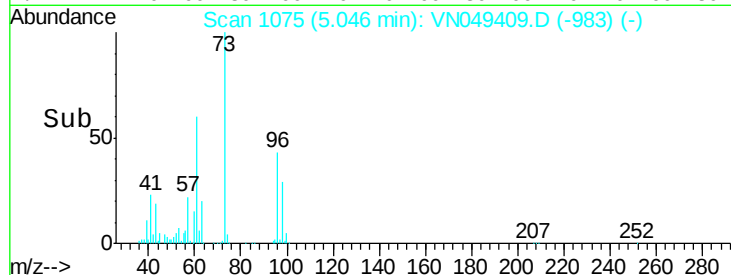
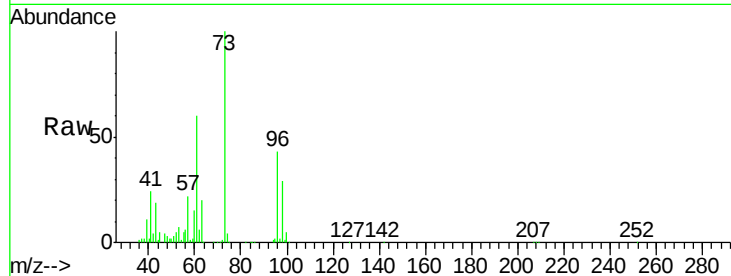
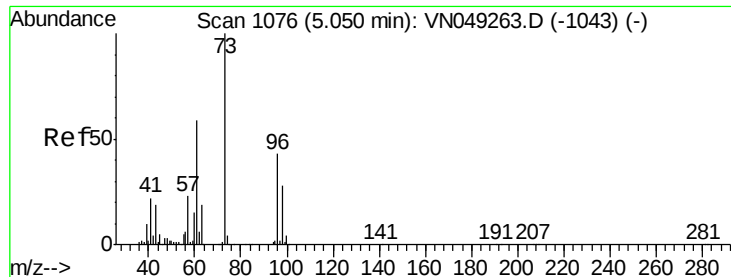
100000

50000

0

Time-->





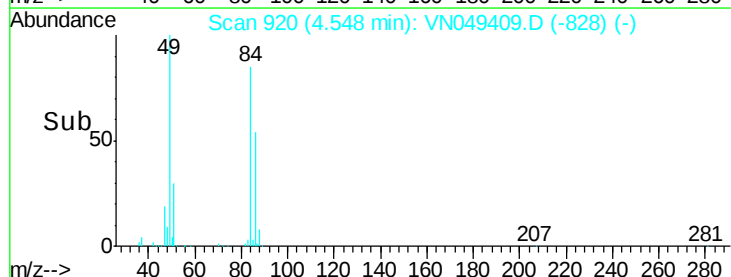
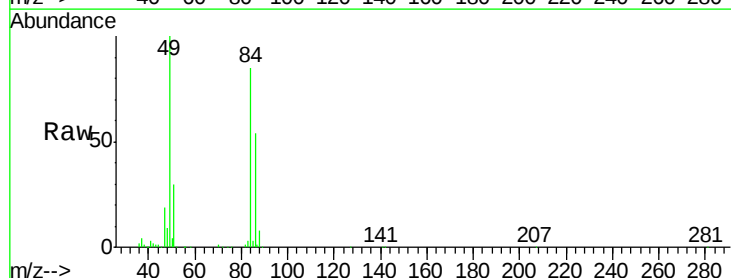
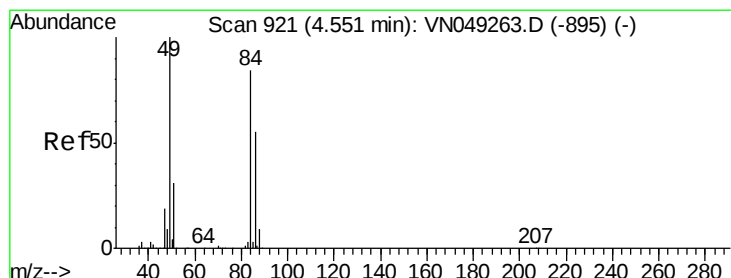
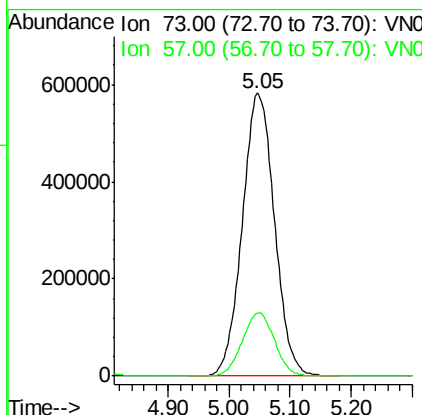
#19
Methvl tert-butvl Ether
Concen: 49.744 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tot Ion: 73 Resp: 2135706
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

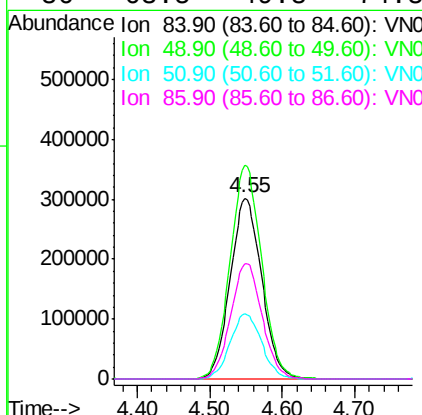
Manual Integrations
APPROVED

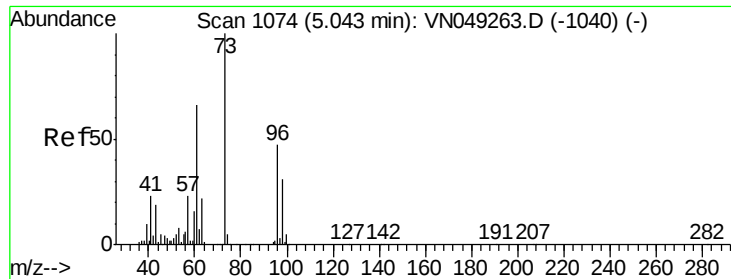
MMDadoda
6/20/2018 4:54:02 PM



#20
Methylene Chloride
Concen: 46.218 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 84 Resp: 912950
Ion Ratio Lower Upper
84 100
49 118.1 106.9 160.3
51 35.8 32.7 49.1
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.028 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

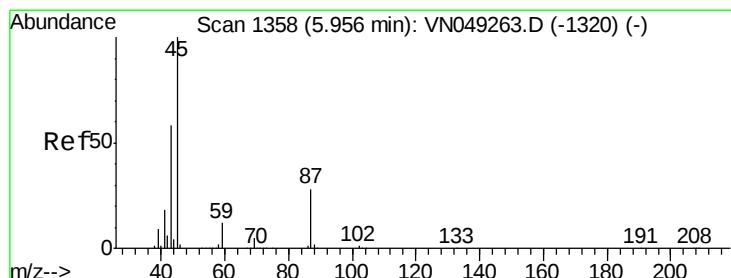
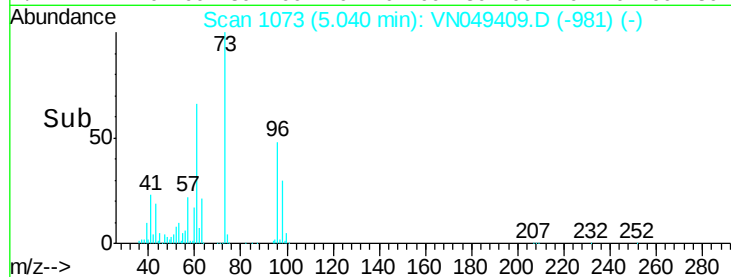
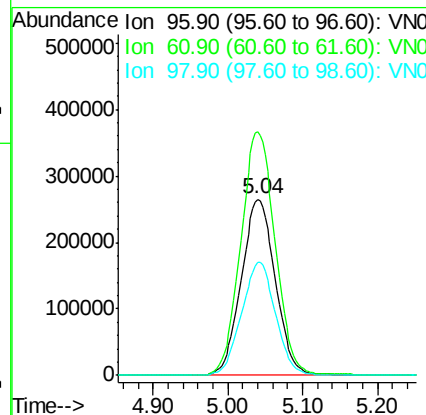
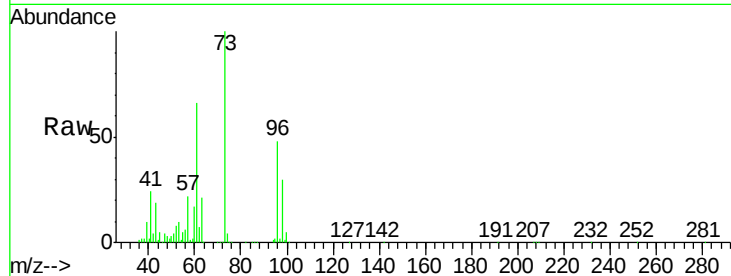
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	838398
Ion	Ratio	Lower	Upper
96	100		
61	138.4	121.3	181.9
98	63.9	52.0	78.0

Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:02 PM



#22

Diisopropyl ether

Concen: 49.680 ug/l

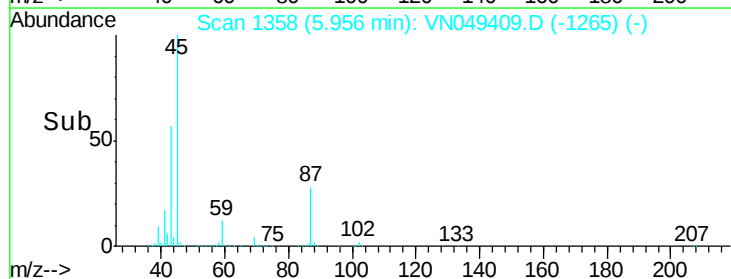
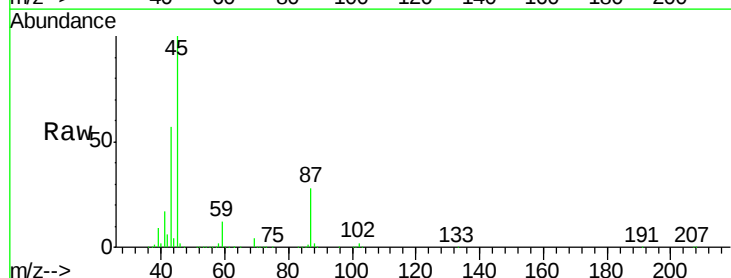
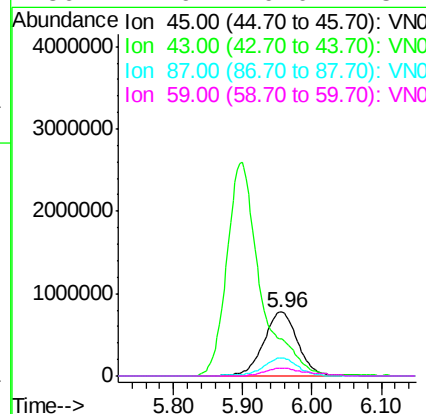
RT: 5.96 min Scan# 1358

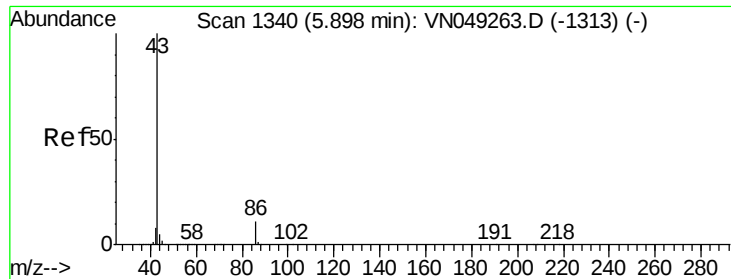
Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Tgt Ion:	45	Resp:	2637830
Ion	Ratio	Lower	Upper
45	100		
43	57.0	48.6	72.8
87	27.6	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 253.926 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 8789402

Ion Ratio Lower Upper

43 100

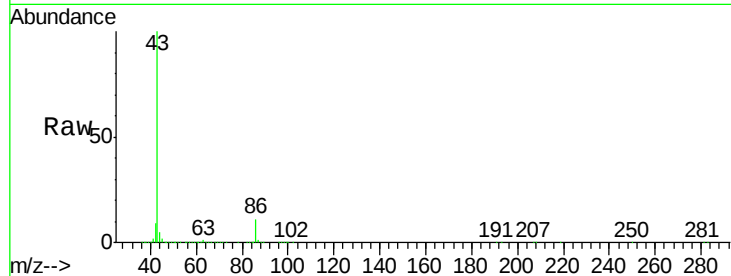
86 10.6 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

6/20/2018 4:54:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

3000000

2500000

2000000

1500000

1000000

500000

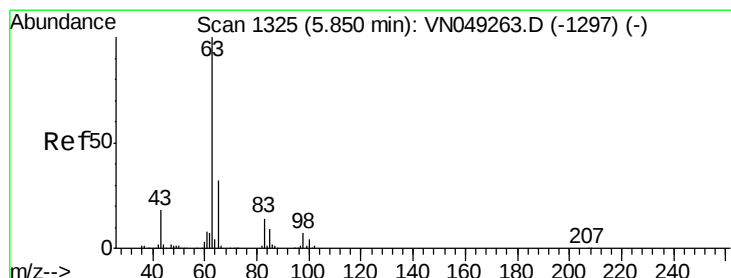
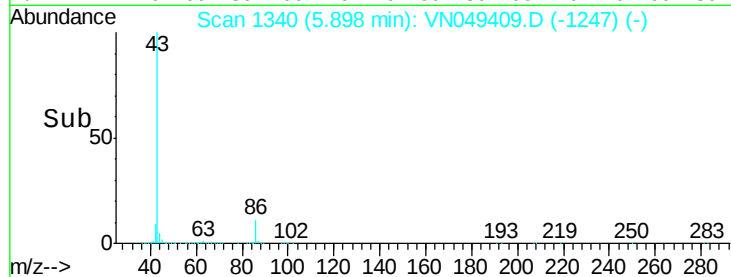
0

5.80

6.00

6.20

Time-->



#24

1,1-Dichloroethane

Concen: 46.979 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

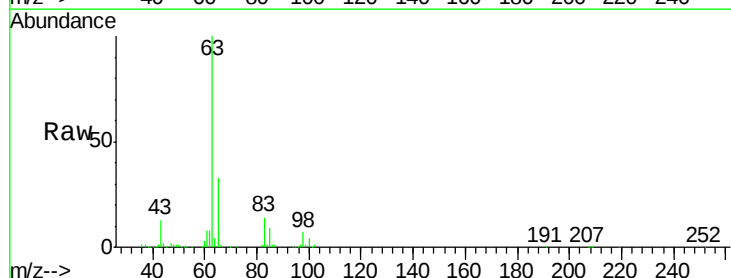
Tgt Ion: 63 Resp: 1596521

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

600000

400000

200000

0

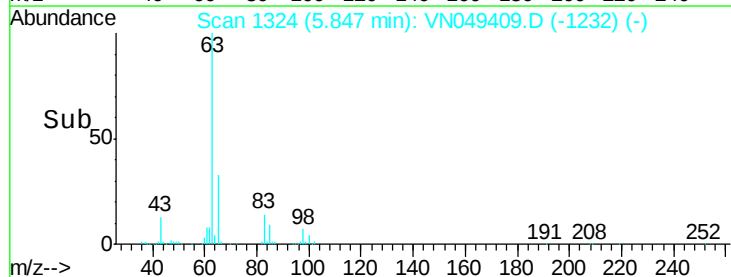
5.70

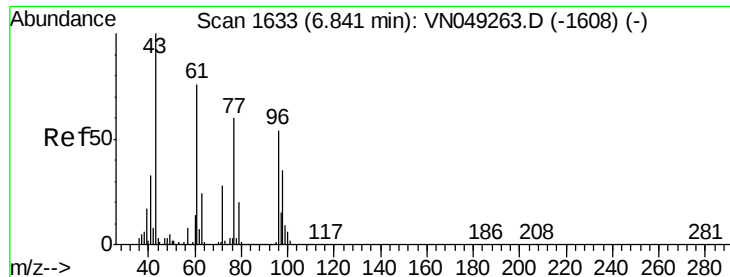
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 234.617 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1489983

Ion Ratio Lower Upper

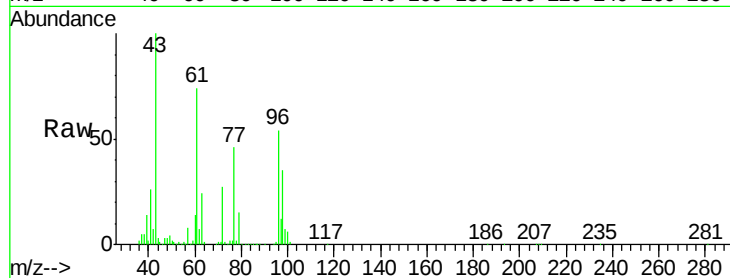
43 100

72 26.8 20.2 30.2

Manual Integrations
APPROVED

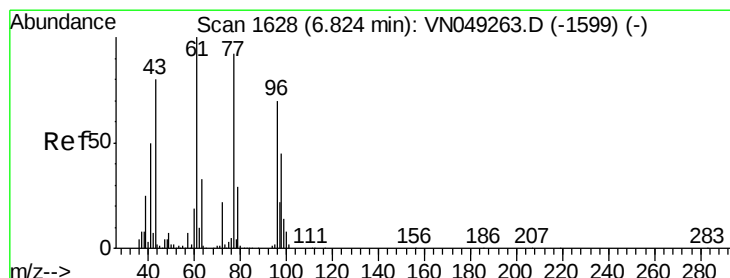
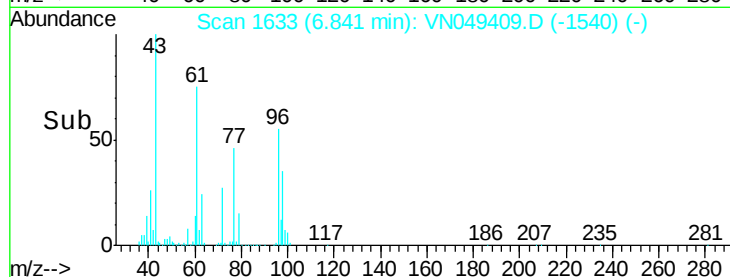
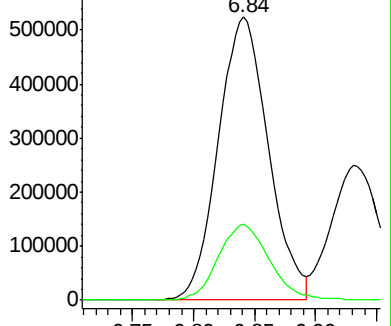
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 35.228 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049409.D

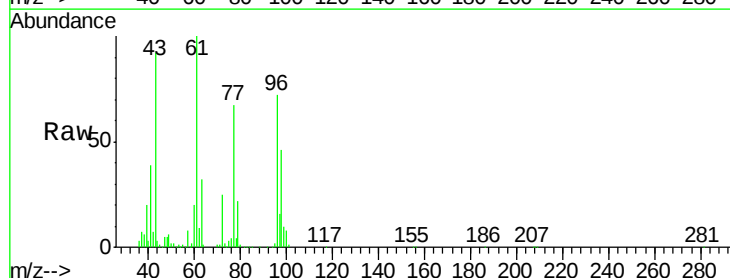
Acq: 20 Jun 2018 1:56

Tgt Ion: 77 Resp: 966856

Ion Ratio Lower Upper

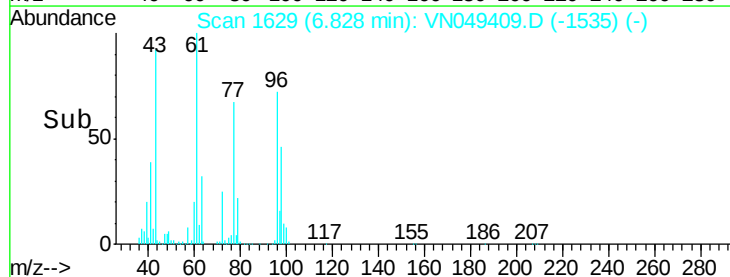
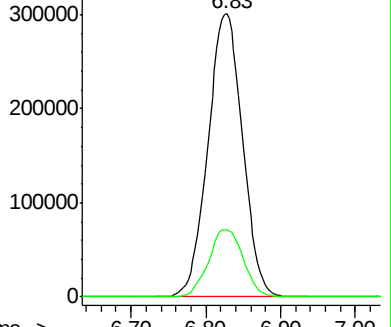
77 100

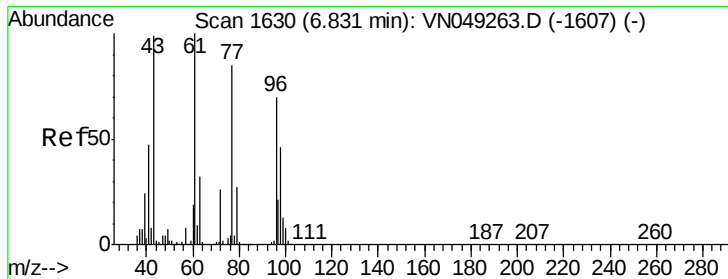
97 24.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.847 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

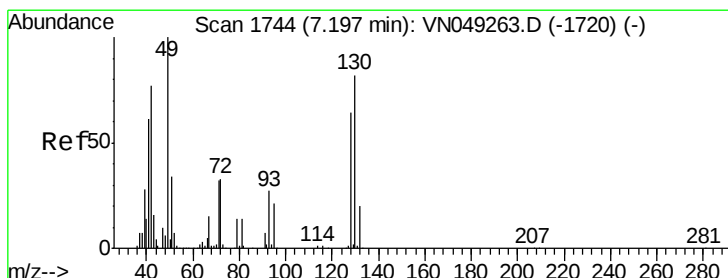
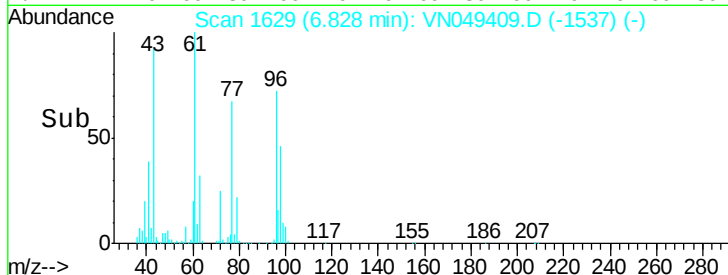
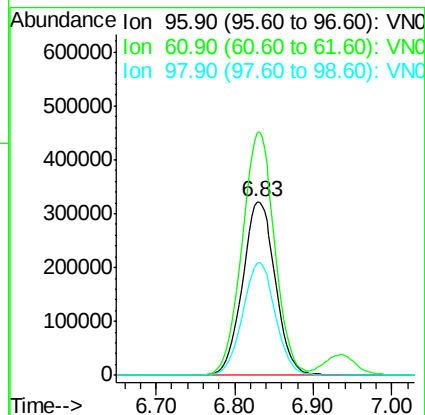
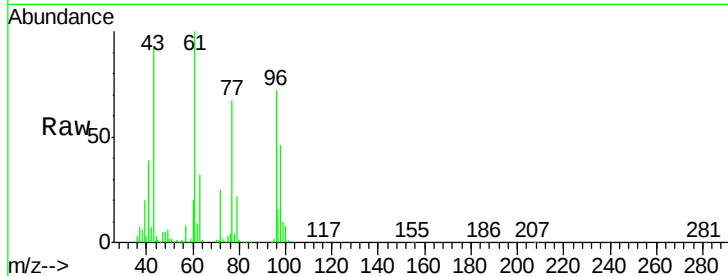
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	948354
Ion Ratio	Lower	Upper	
96	100		
61	139.1	0.0	316.4
98	64.7	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 46.965 ug/l

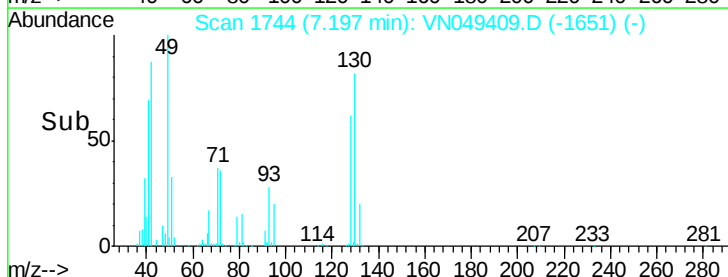
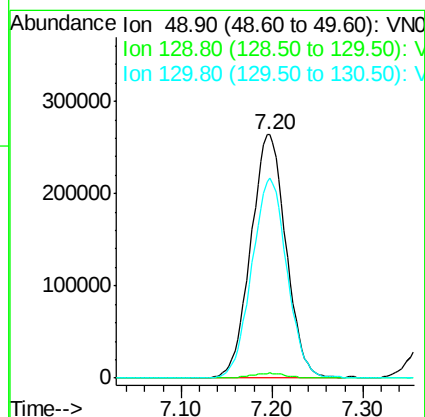
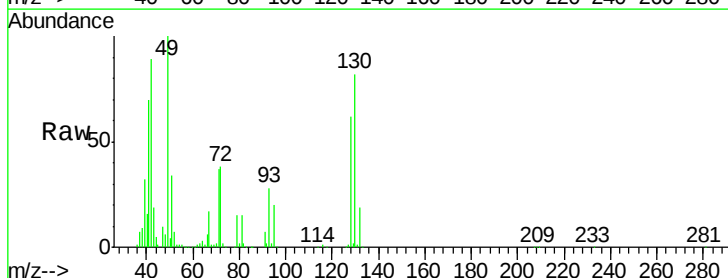
RT: 7.20 min Scan# 1744

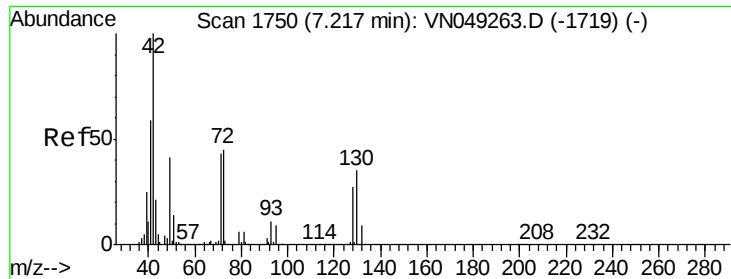
Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Tgt Ion:	49	Resp:	707616
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	82.1	54.9	82.3





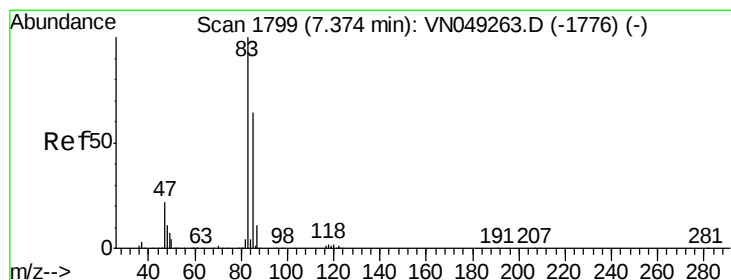
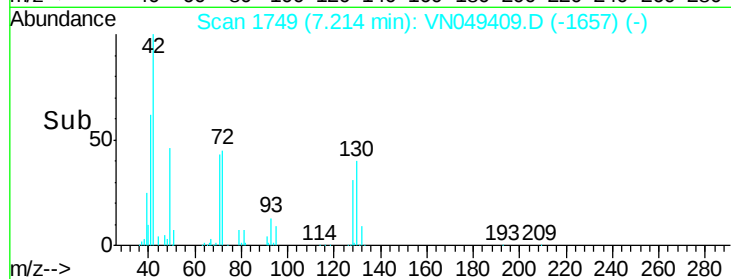
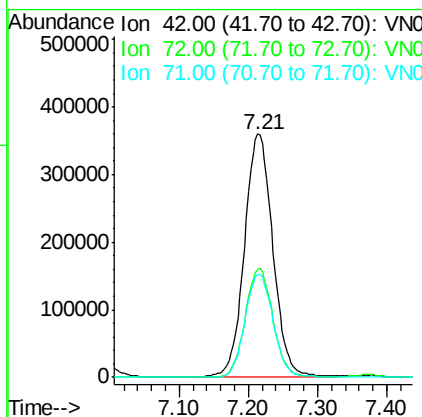
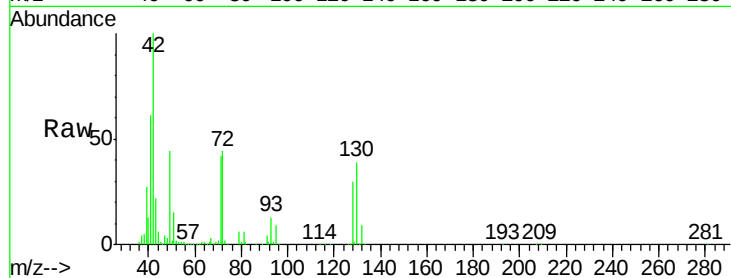
#29
Tetrahydrofuran
Concen: 249.754 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.2	48.4
71	41.7	30.5	45.7

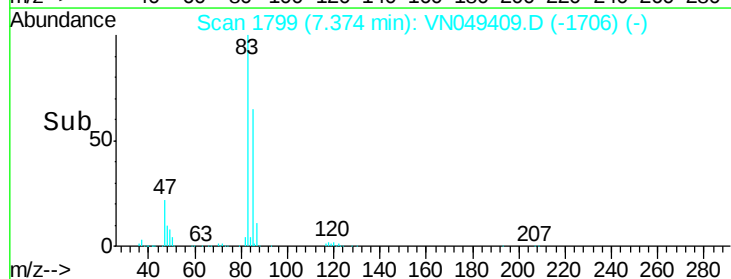
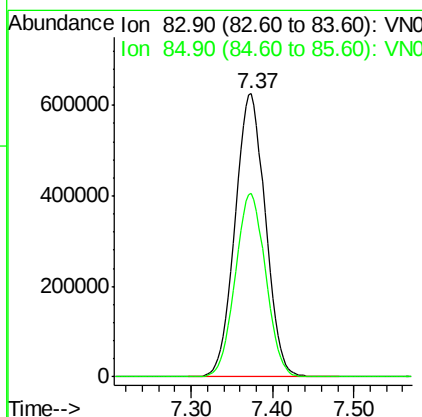
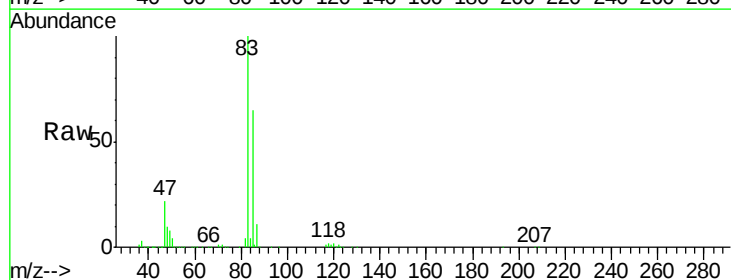
Manual Integrations
APPROVED

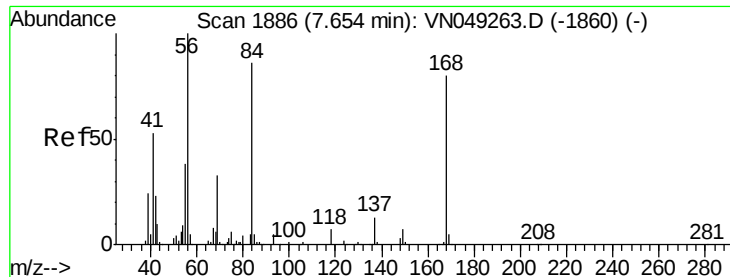
MMDadoda
6/20/2018 4:54:02 PM



#30
Chloroform
Concen: 47.691 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5





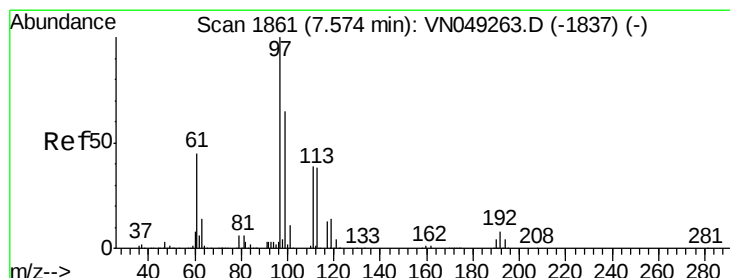
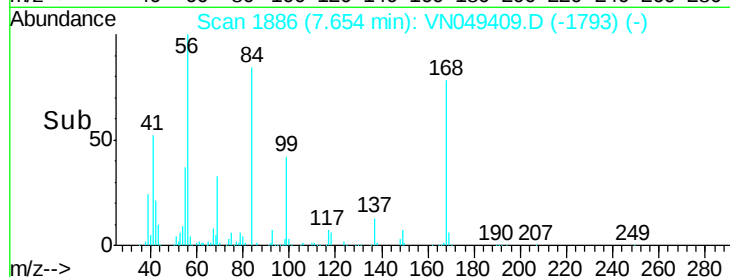
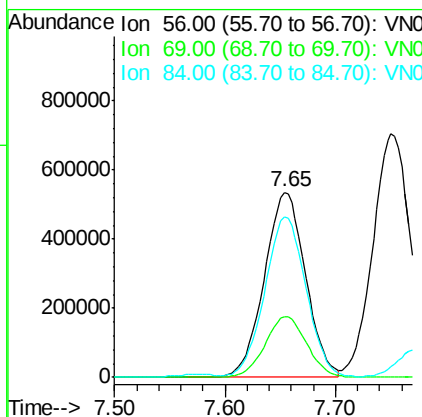
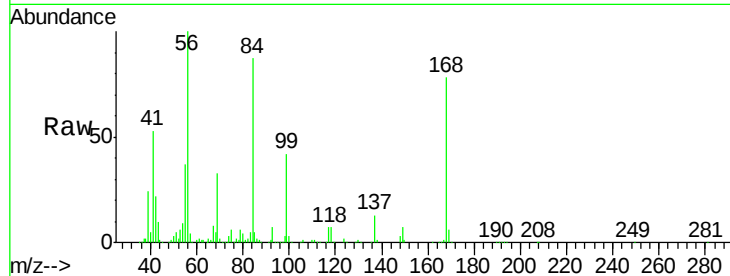
#31
Cyclohexane
Concen: 48.178 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.0	37.4
84	85.4	64.6	96.8

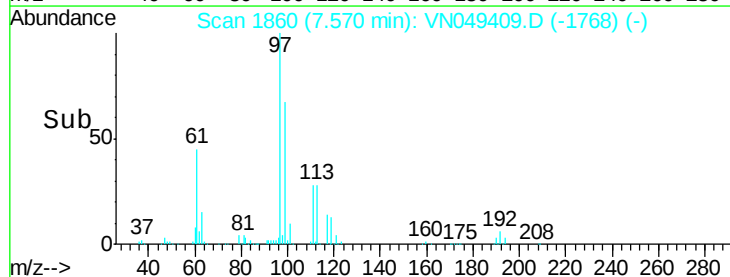
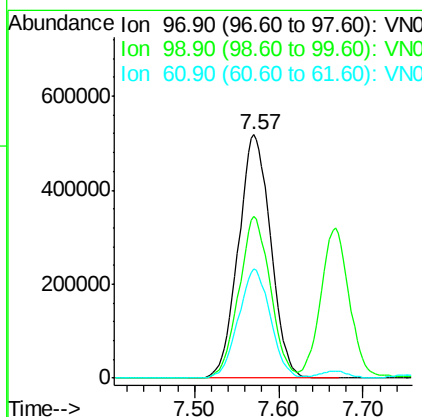
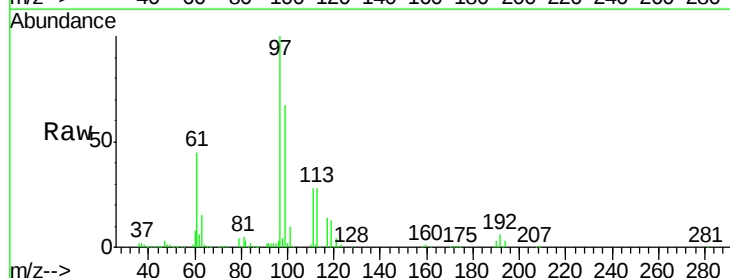
Manual Integrations
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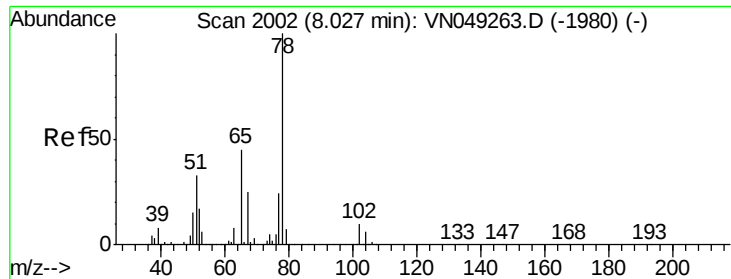
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.983 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.5	75.7
61	44.3	37.9	56.9





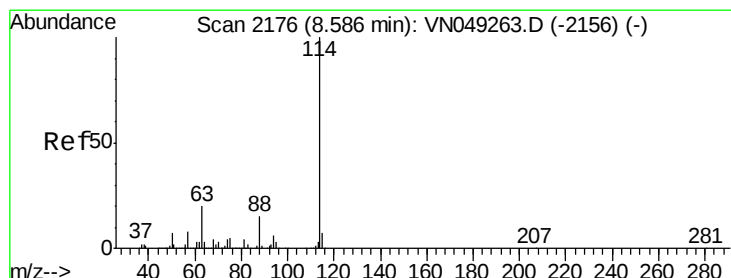
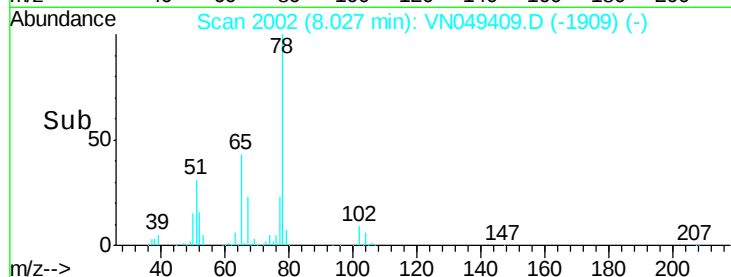
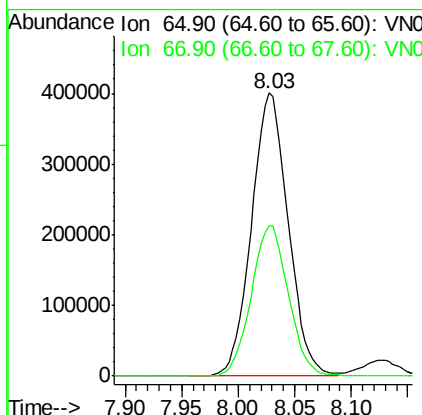
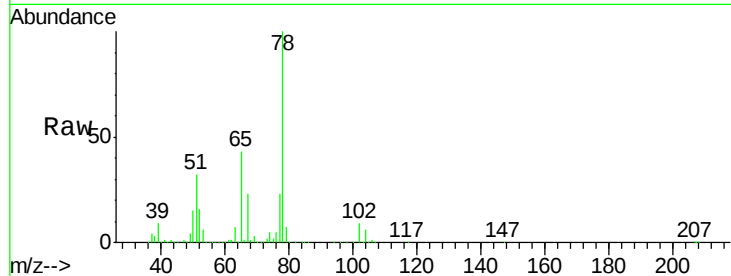
#33
 1,2-Dichloroethane-d4
 Concen: 46.338 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	902624		
67	53.8	0.0	103.8	

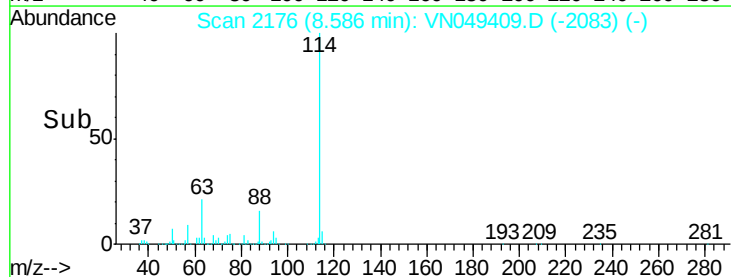
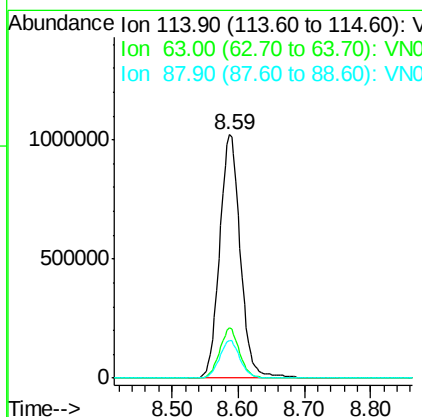
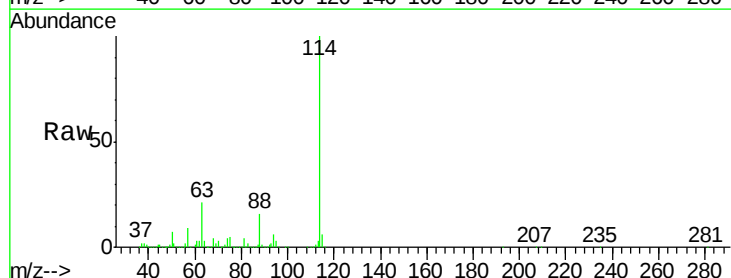
Manual Integrations
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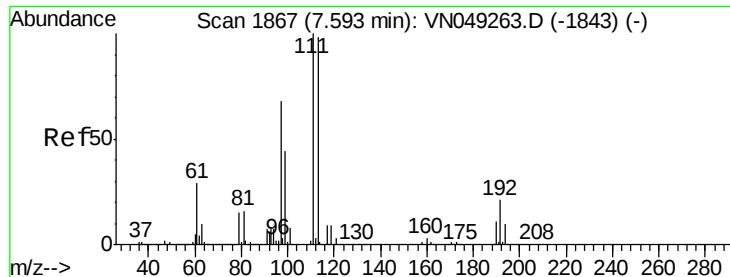
MMDadoda
 6/20/2018 4:54:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2207358		
63	20.6	0.0	44.4	
88	15.5	0.0	31.4	





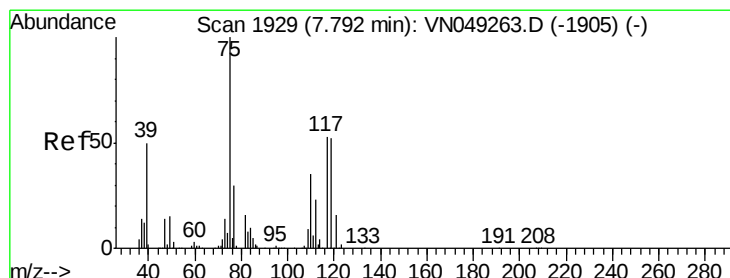
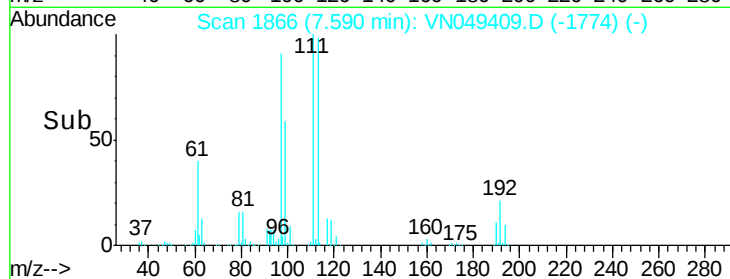
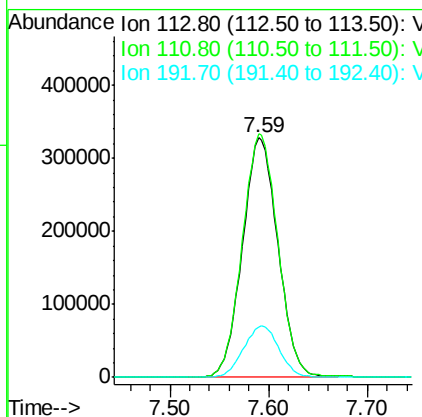
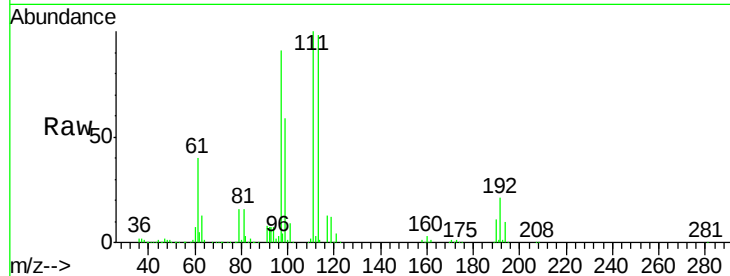
#35
 Dibromofluoromethane
 Concen: 45.703 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	816186		
111	101.9	82.4	123.6	
192	21.5	15.0	22.6	

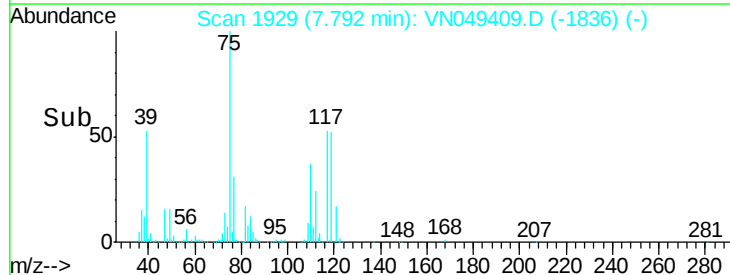
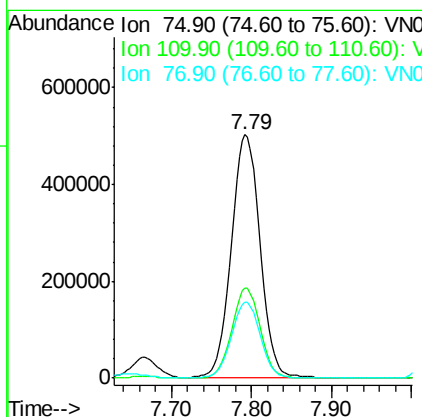
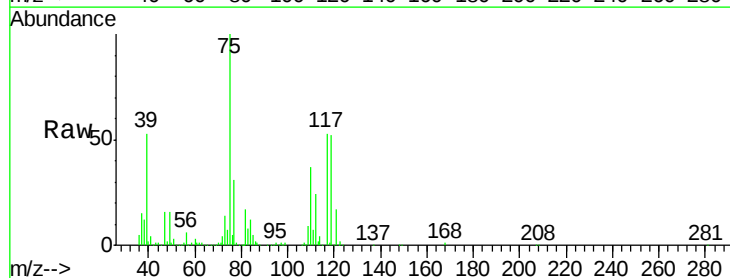
Manual Integrations
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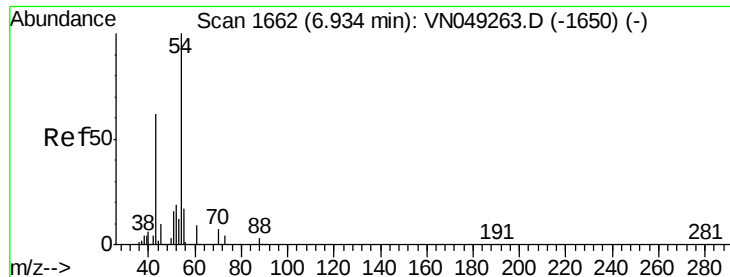
MMDadoda
 6/20/2018 4:54:02 PM



#36
 1,1-Dichloropropene
 Concen: 48.082 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1216424		
110	36.4	17.0	50.9	
77	31.3	24.4	36.6	





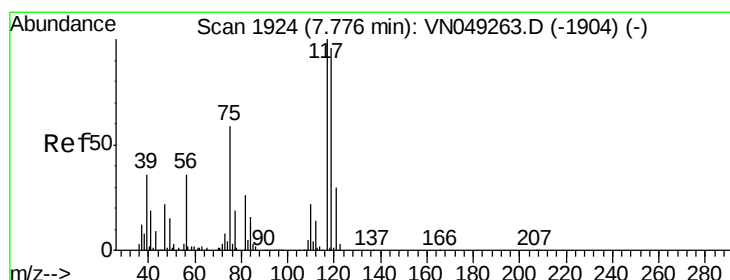
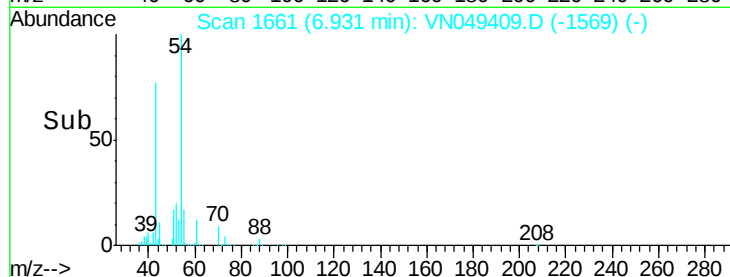
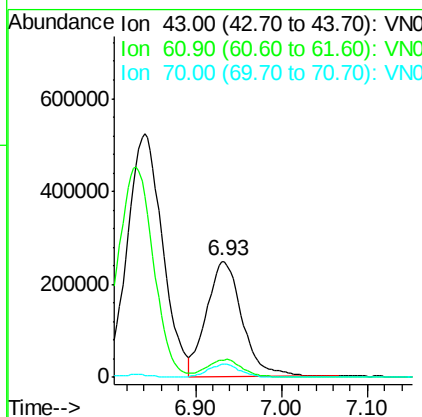
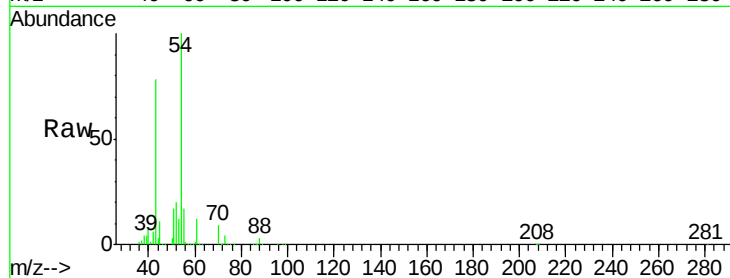
#37
Ethyl Acetate
Concen: 52.145 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	10.2	7.2	10.8

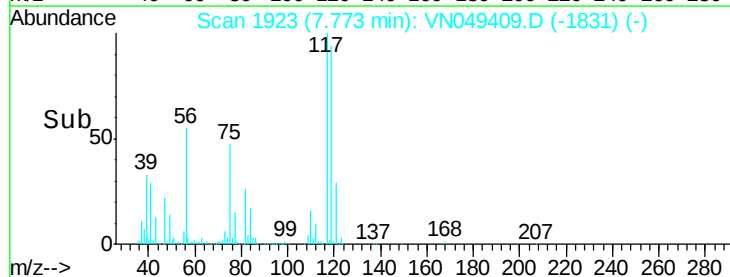
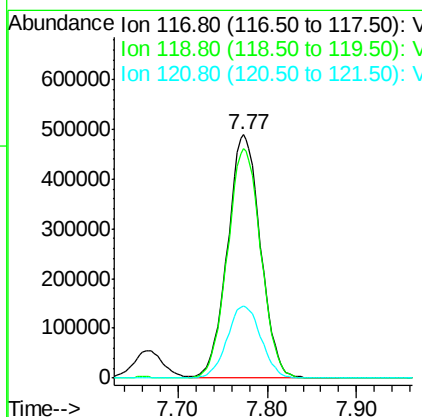
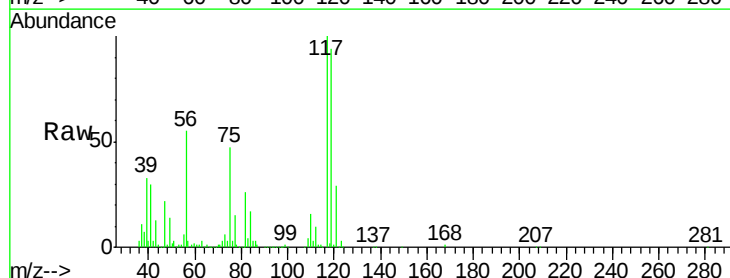
Manual Integrations
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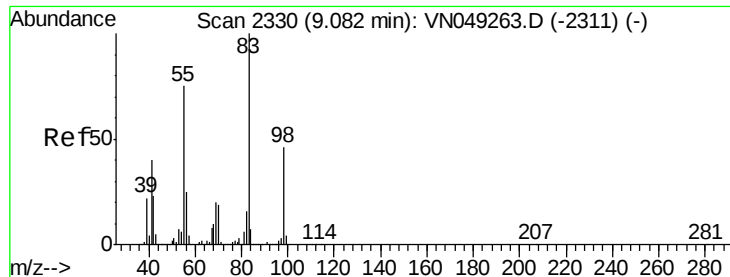
MMDadoda
6/20/2018 4:54:02 PM



#38
Carbon Tetrachloride
Concen: 47.609 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.6	113.4
121	29.4	24.7	37.1





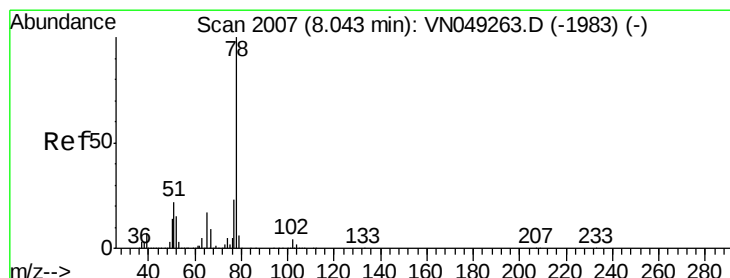
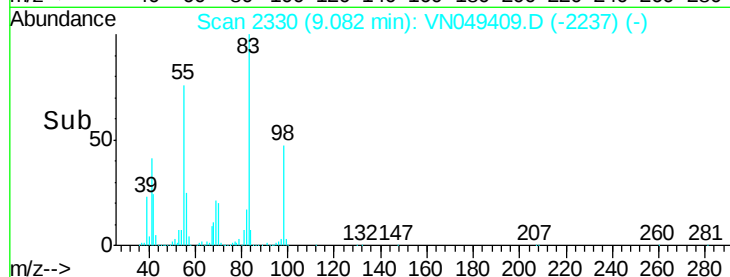
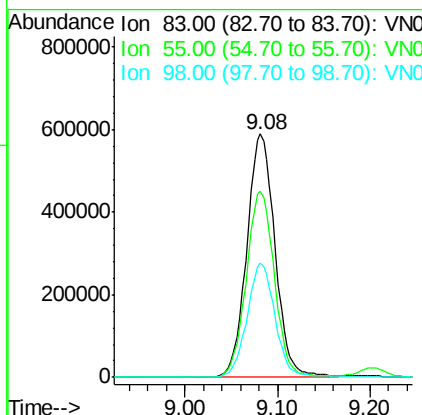
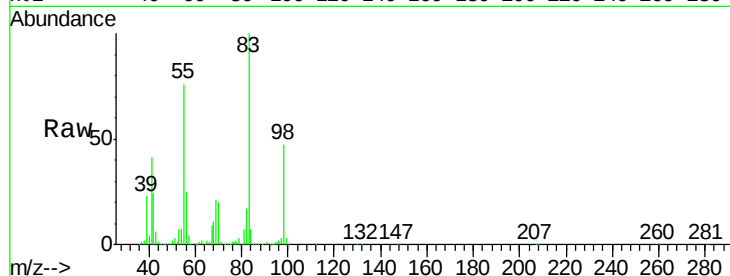
#39
Methvlcvclohexane
Concen: 45.803 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	65.1	97.7
98	46.8	36.5	54.7

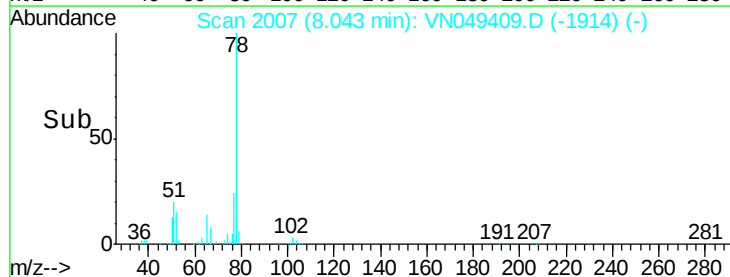
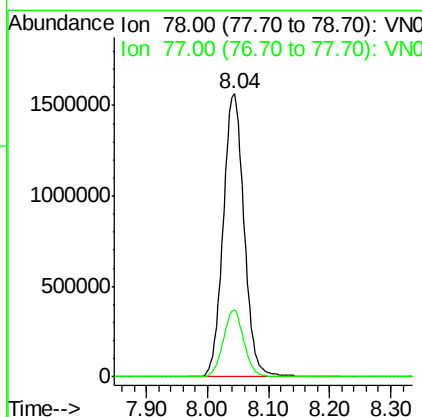
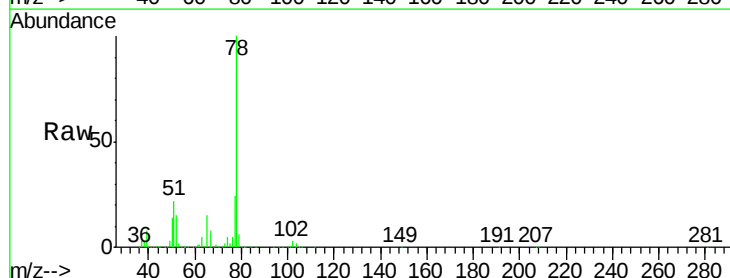
Manual Integrations
APPROVED

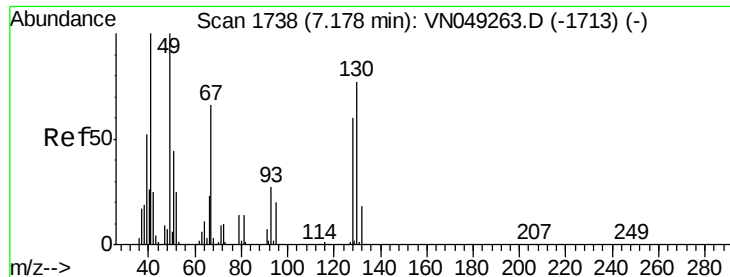
MMDadoda
6/20/2018 4:54:02 PM



#40
Benzene
Concen: 47.787 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





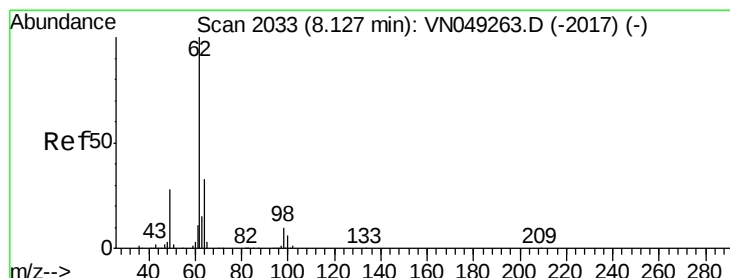
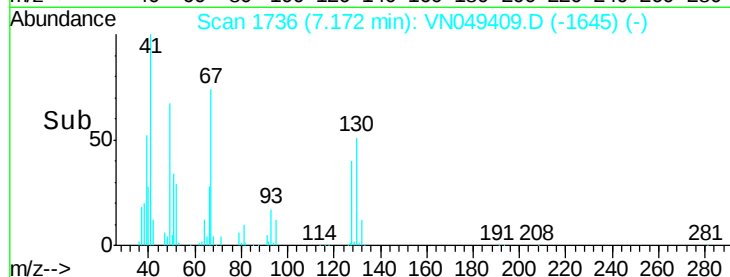
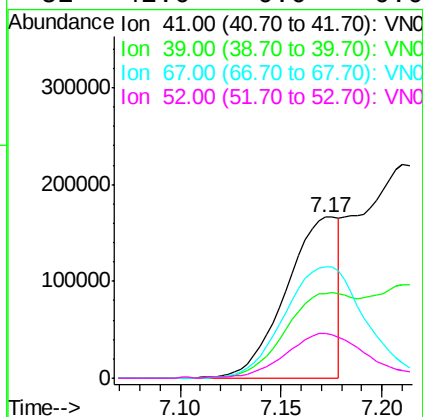
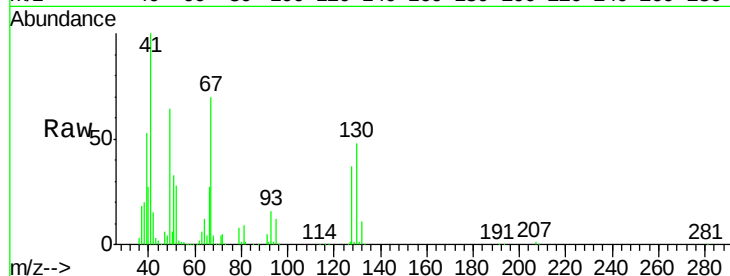
#41
Methacrylonitrile
Concen: 40.091 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.1	0.0	0.0#
67	109.2	0.0	0.0#
52	42.0	0.0	0.0#

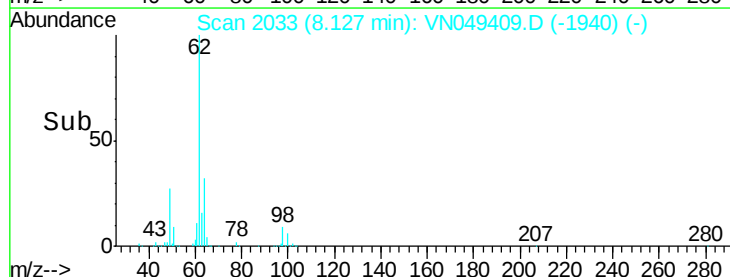
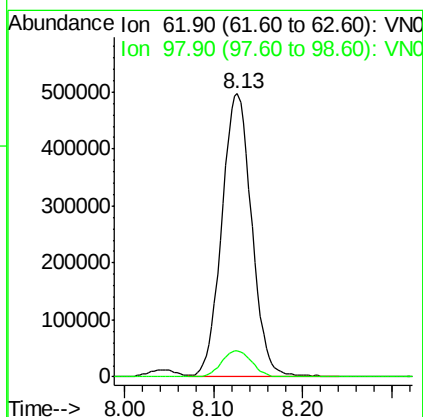
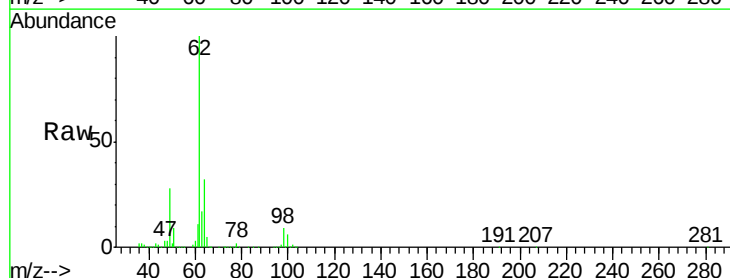
Manual Integrations
APPROVED

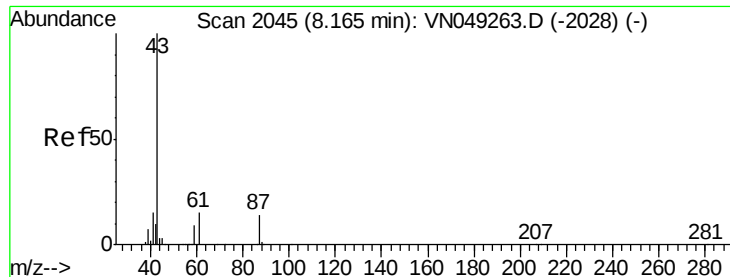
MMDadoda
6/20/2018 4:54:02 PM



#42
1,2-Dichloroethane
Concen: 47.893 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 50.772 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1334161

Ion Ratio Lower Upper

43 100

61 28.4 14.2 21.4#

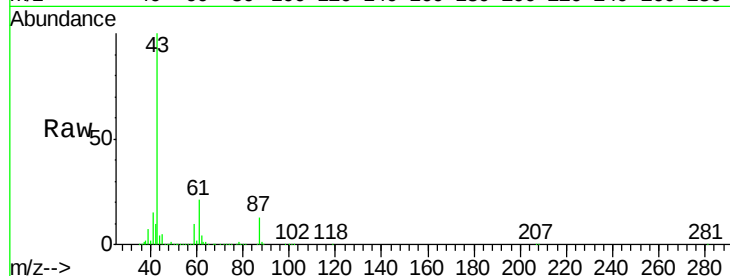
87 13.0 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

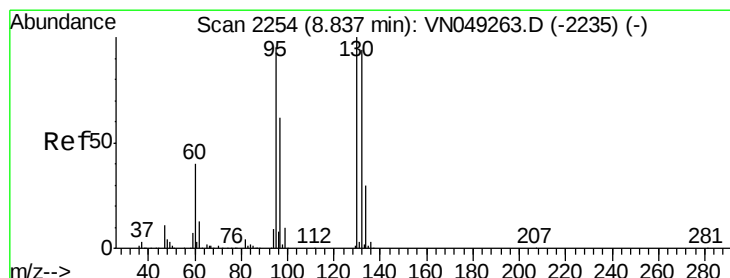
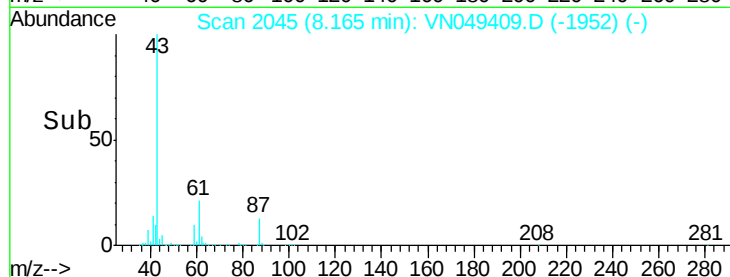
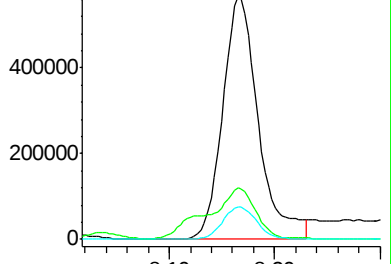
6/20/2018 4:54:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049409.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049409.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049409.D (-1952) (-)



#44

Trichloroethene

Concen: 48.039 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049409.D

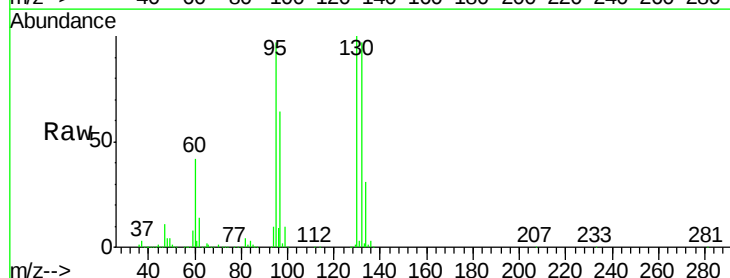
Acq: 20 Jun 2018 1:56

Tgt Ion: 130 Resp: 983919

Ion Ratio Lower Upper

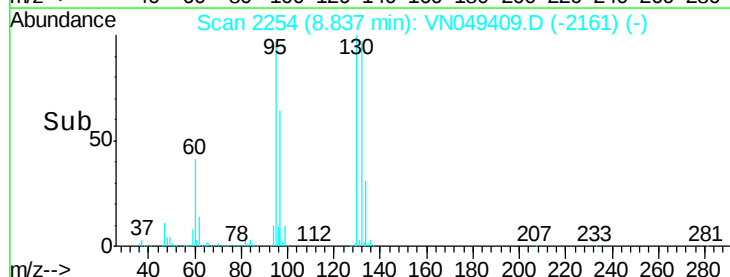
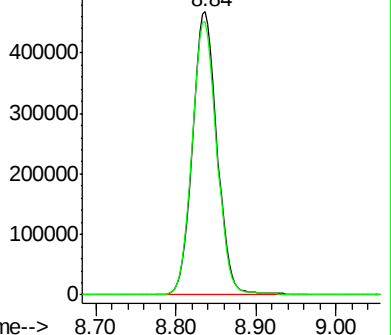
130 100

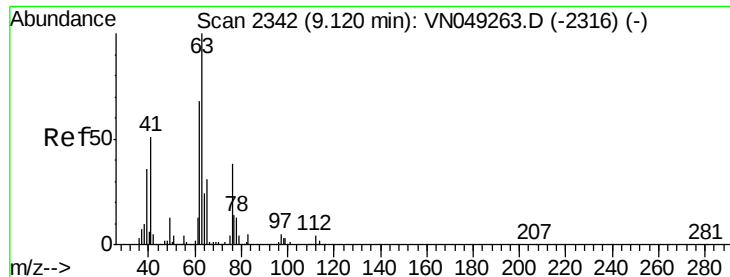
95 96.7 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049409.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049409.D (-2161) (-)





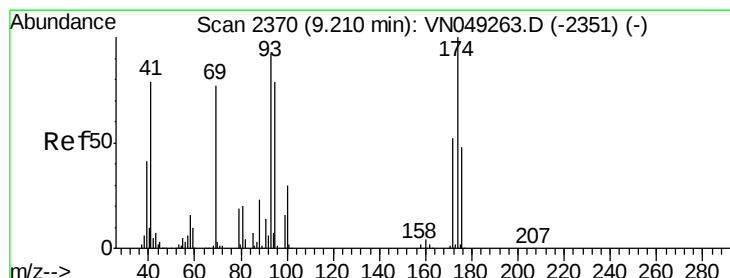
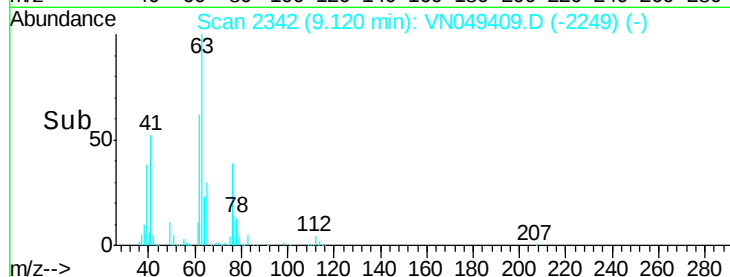
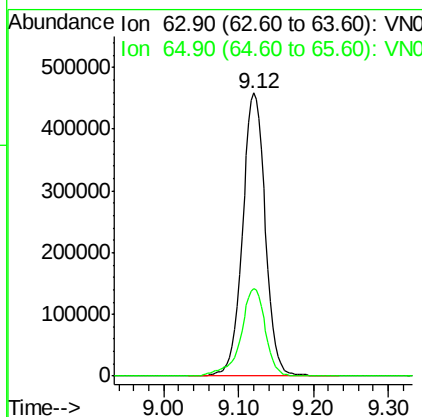
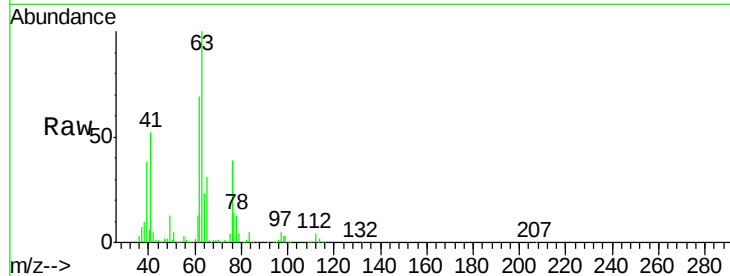
#45
 1,2-Dichloropropane
 Concen: 47.633 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

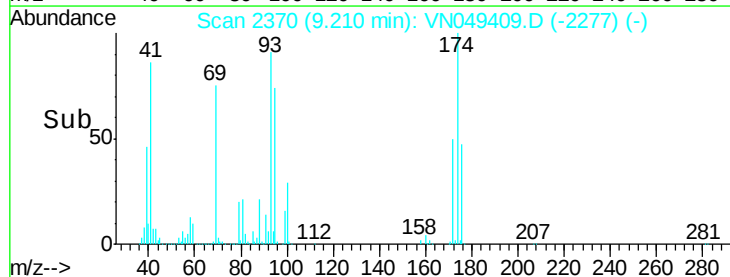
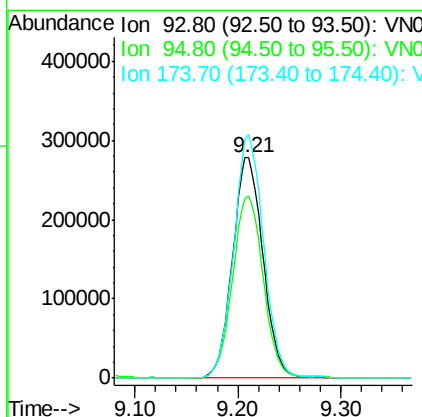
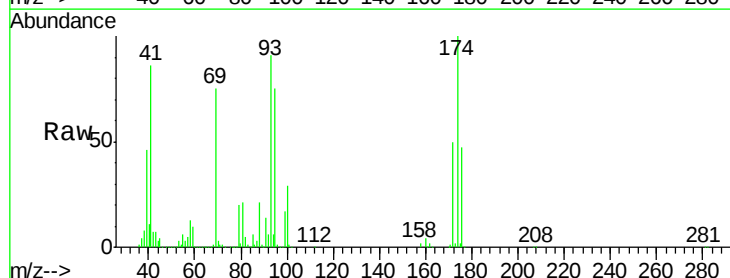
Manual Integrations
 APPROVED

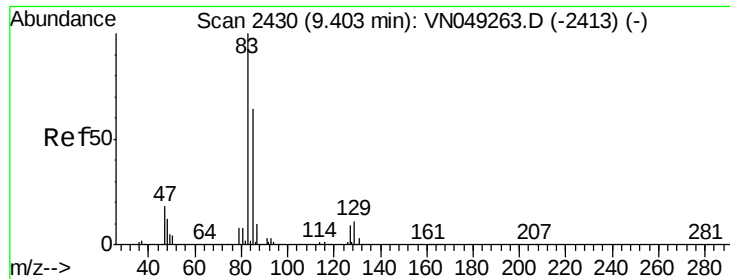
MMDadoda
 6/20/2018 4:54:02 PM



#46
 Dibromomethane
 Concen: 48.757 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.2	100.8
174	108.8	75.6	113.4





#47

Bromodichloromethane

Concen: 48.118 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1245143

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.0

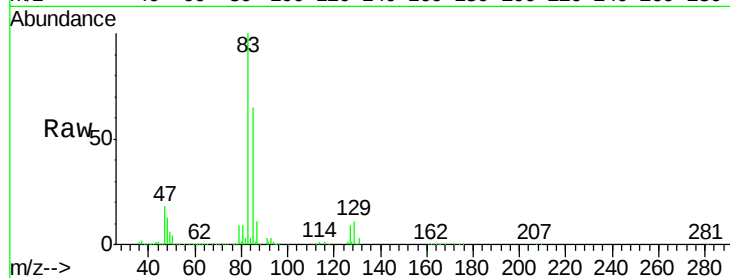
127 8.8 6.3 9.5

Manual Integrations

APPROVED

MMDadoda

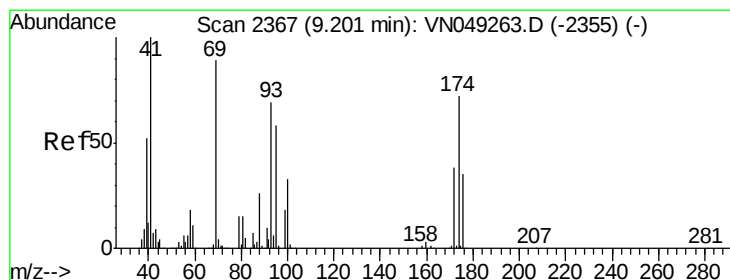
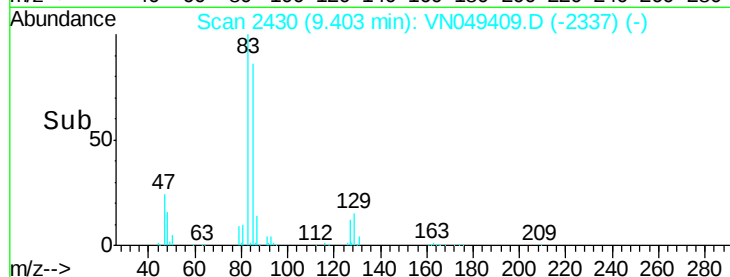
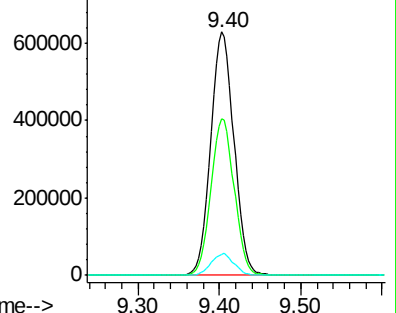
6/20/2018 4:54:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049409.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049409.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049409.D (-2337) (-)



#48

Methyl methacrylate

Concen: 52.071 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

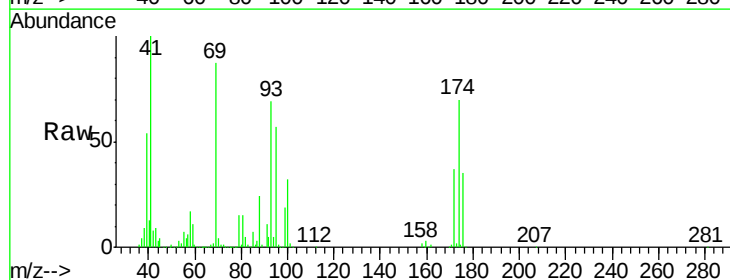
Tgt Ion: 41 Resp: 644354

Ion Ratio Lower Upper

41 100

69 88.0 62.0 93.0

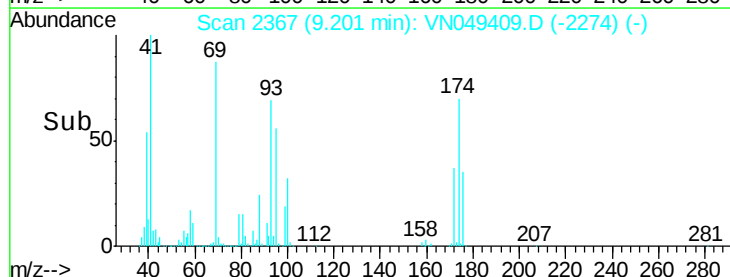
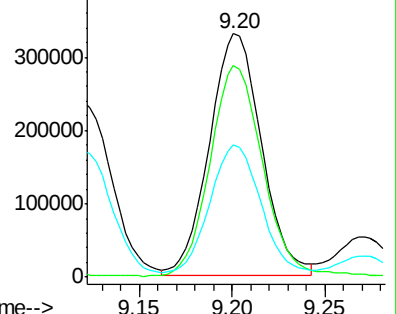
39 54.6 50.6 75.8

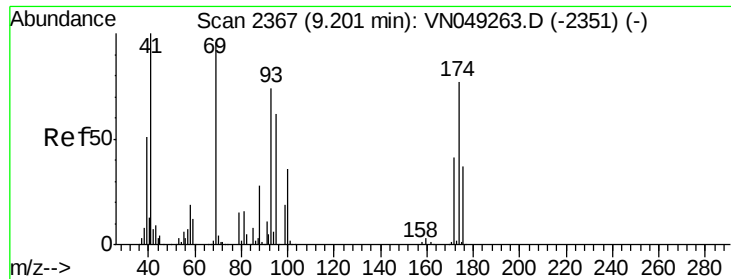


Abundance Ion 41.00 (40.70 to 41.70): VN049409.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049409.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049409.D (-2274) (-)





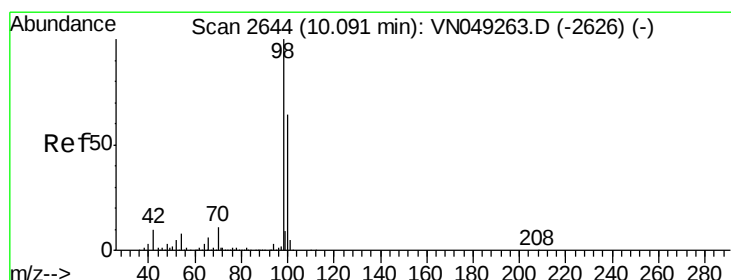
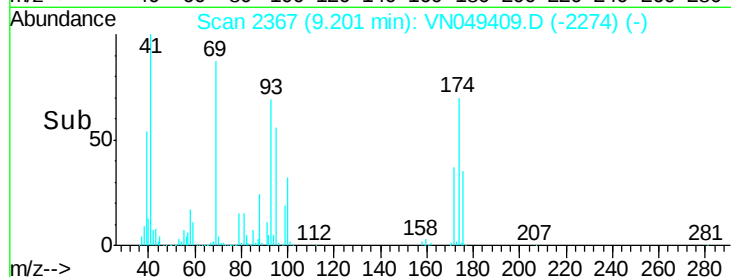
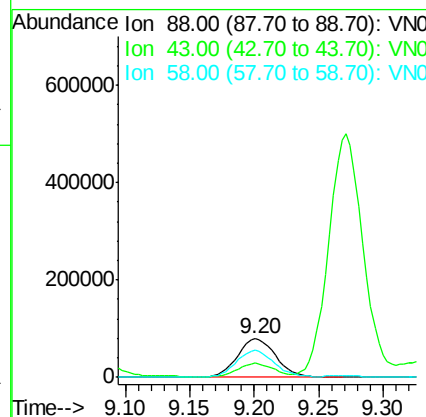
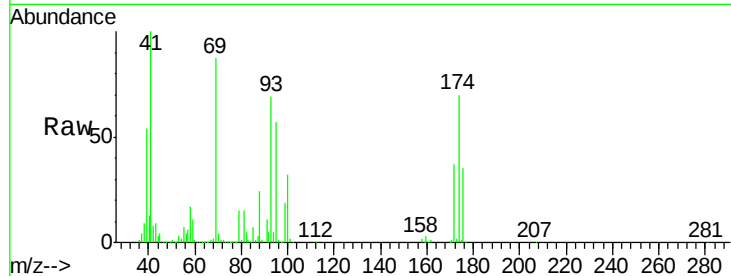
#49
1,4-Dioxane
Concen: 964.491 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	30.9	46.3
58	69.4	58.9	88.3

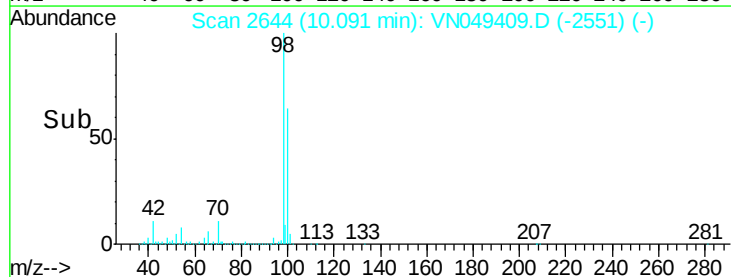
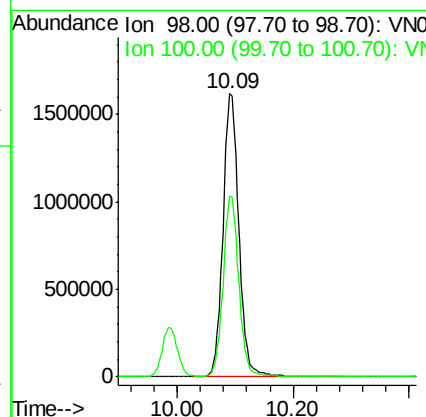
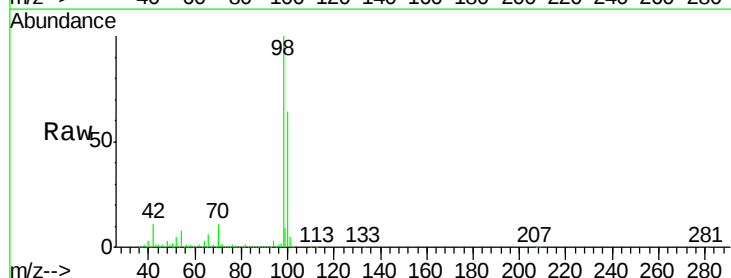
Manual Integrations
APPROVED

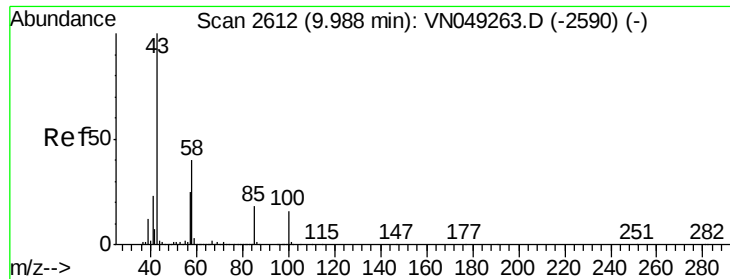
MMDadoda
6/20/2018 4:54:02 PM



#50
Toluene-d8
Concen: 44.949 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





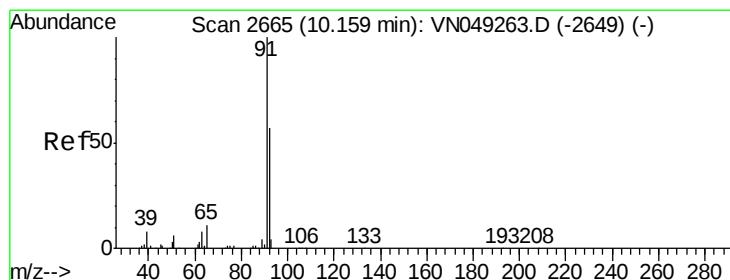
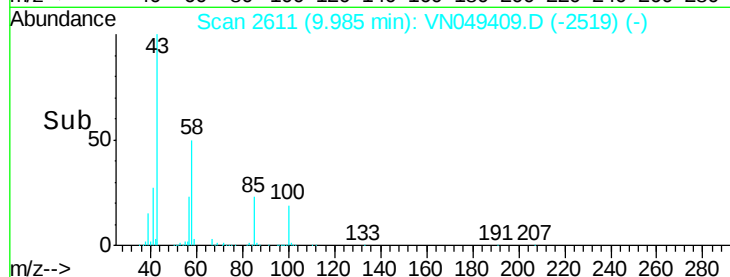
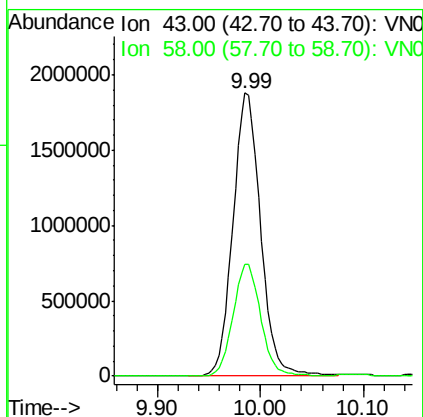
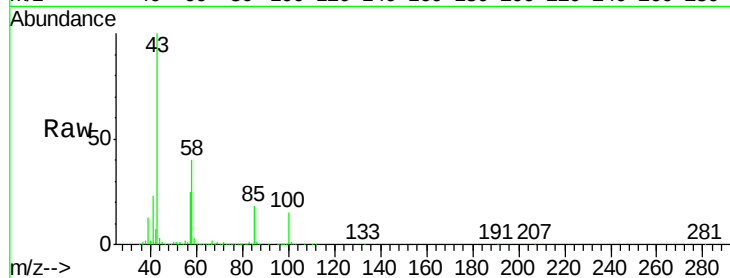
#51
4-Methyl-2-Pentanone
Concen: 255.304 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3516135
Ion Ratio Lower Upper
43 100
58 39.6 29.0 43.6

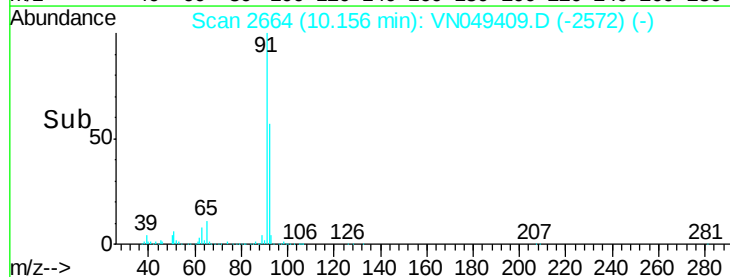
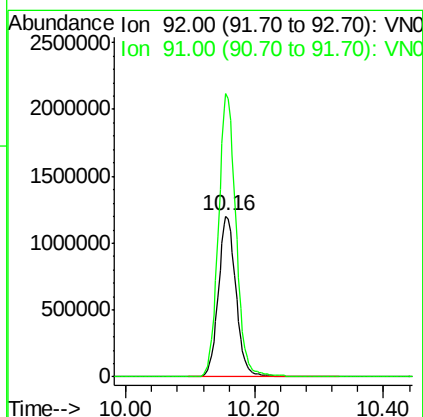
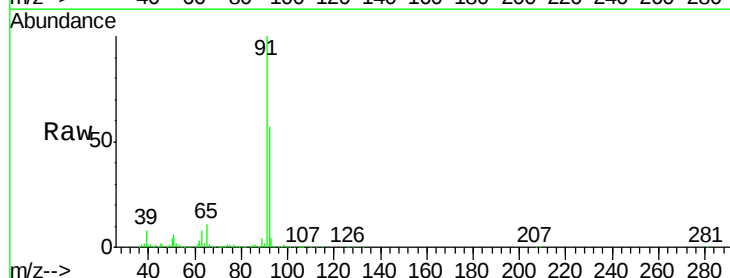
Manual Integrations
APPROVED

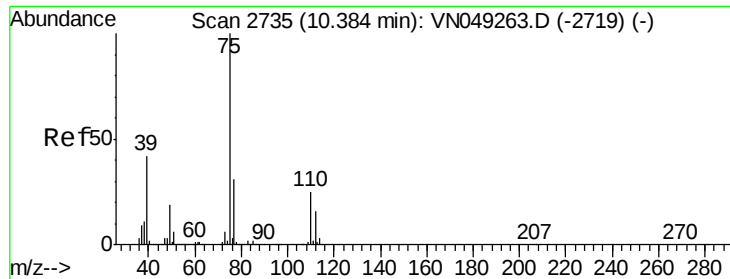
MMDadoda
6/20/2018 4:54:02 PM



#52
Toluene
Concen: 49.900 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 92 Resp: 2271547
Ion Ratio Lower Upper
92 100
91 175.8 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 47.246 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1169546

Ion Ratio Lower Upper

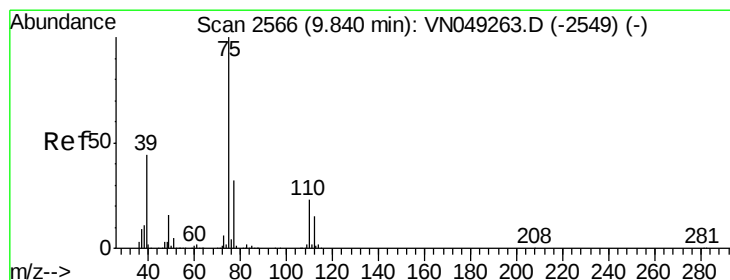
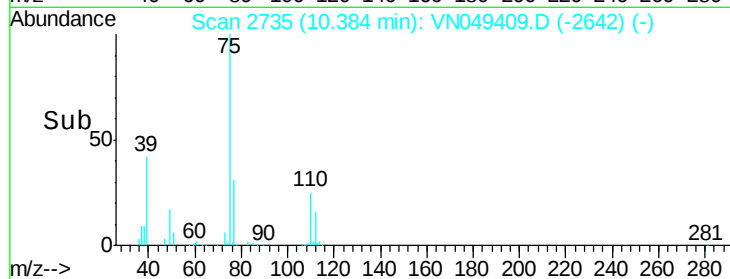
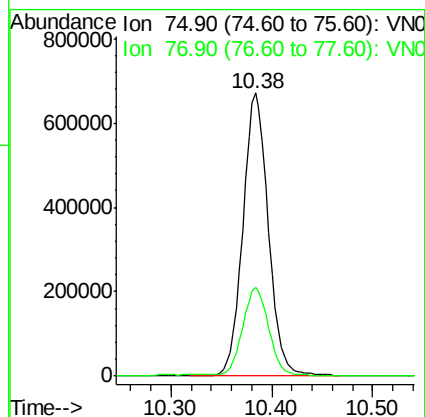
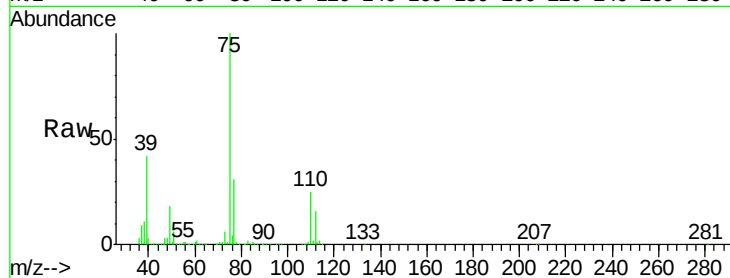
75 100

77 30.9 25.2 37.8

Manual Integrations
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6/20/2018 4:54:02 PM



#54

cis-1,3-Dichloropropene

Concen: 46.843 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

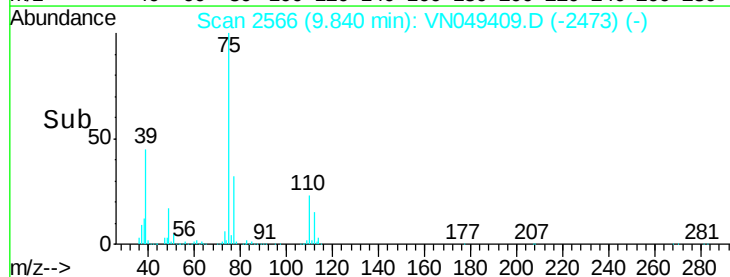
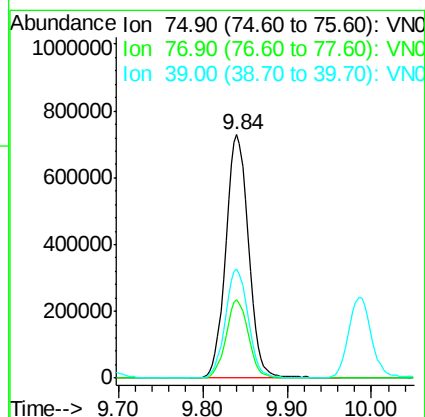
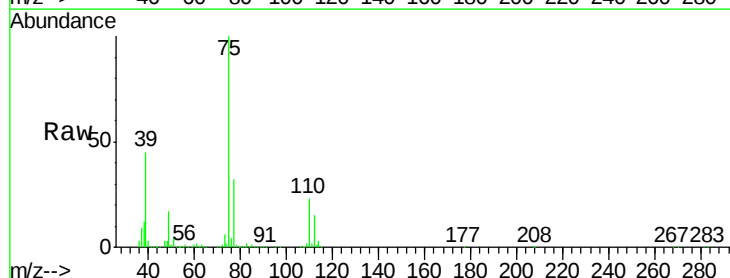
Tgt Ion: 75 Resp: 1369179

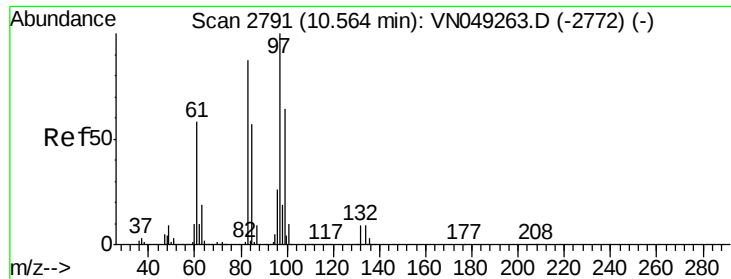
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 44.7 45.1 67.7#





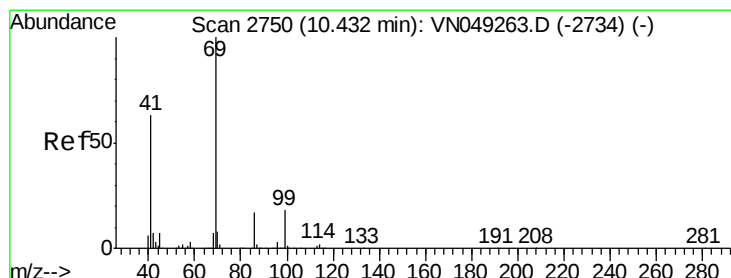
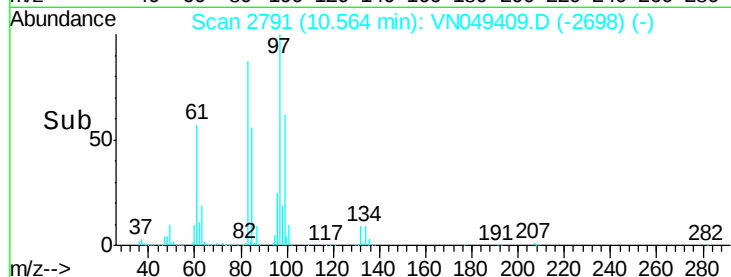
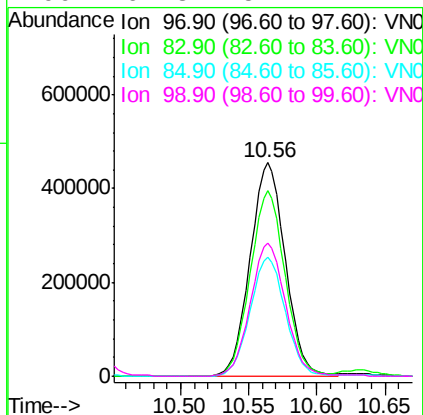
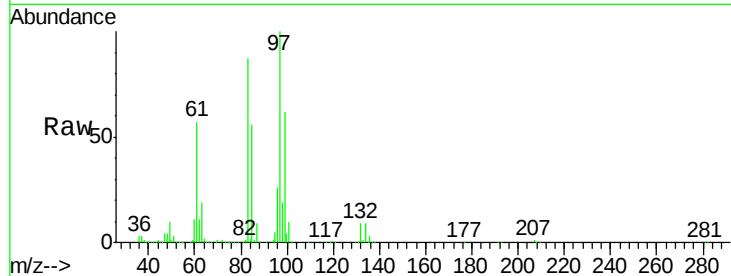
#55
 1,1,2-Trichloroethane
 Concen: 48.053 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.5	107.3
85	55.7	47.0	70.4
99	62.3	51.4	77.2

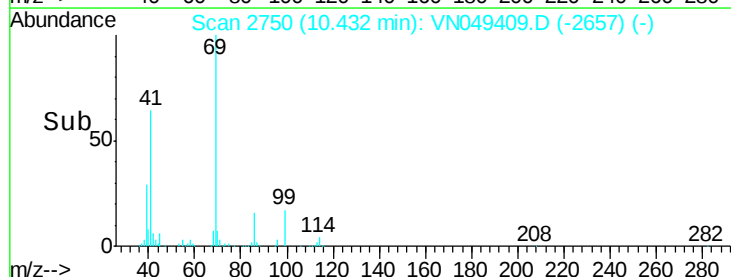
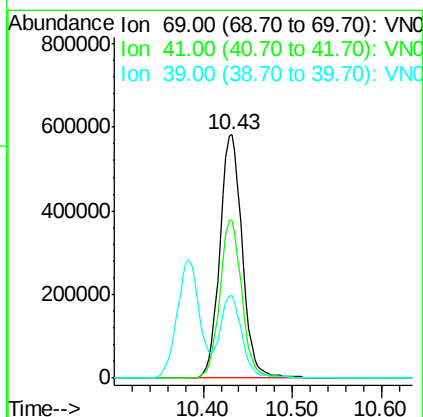
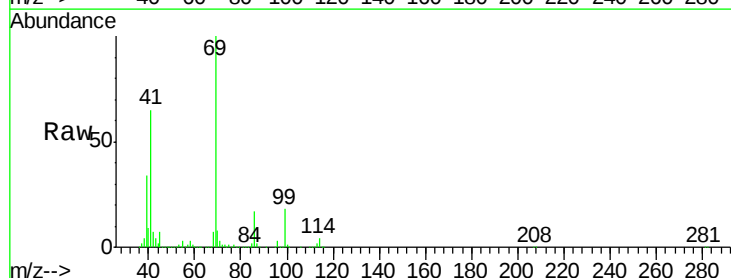
Manual Integrations
 APPROVED

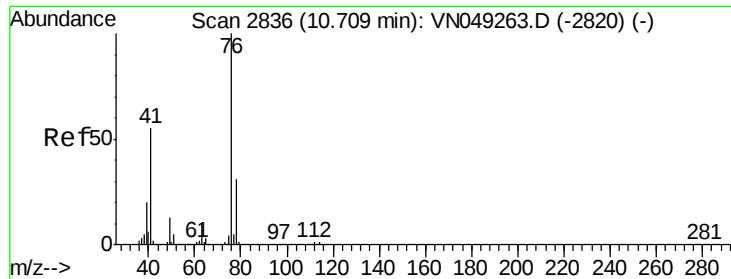
MMDadoda
 6/20/2018 4:54:02 PM



#56
 Ethyl methacrylate
 Concen: 51.599 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	58.4	87.6
39	32.8	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 48.694 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1368921

Ion Ratio Lower Upper

76 100

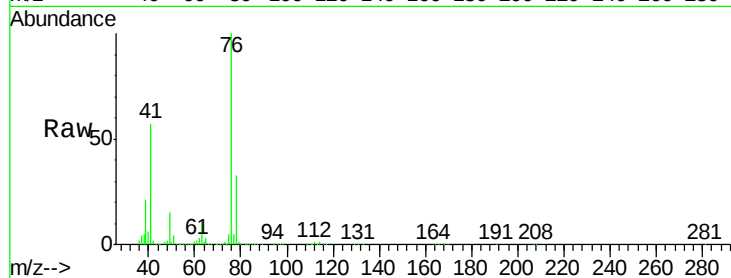
78 32.4 26.3 39.5

Manual Integrations

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MMDadoda

6/20/2018 4:54:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

800000

600000

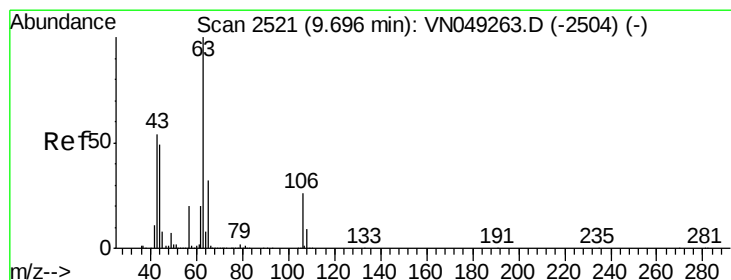
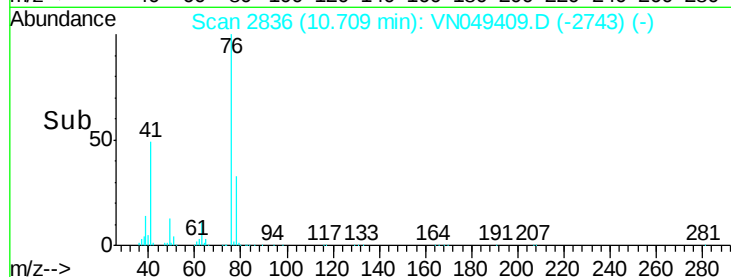
400000

200000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 207.486 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049409.D

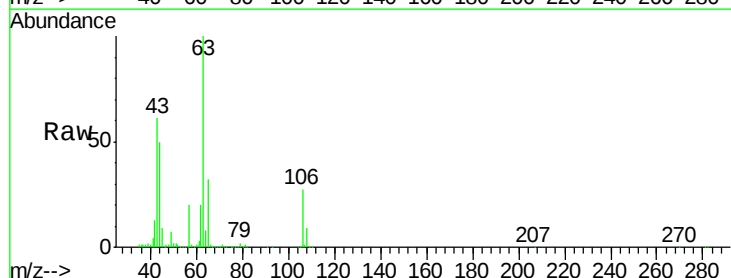
Acq: 20 Jun 2018 1:56

Tgt Ion: 63 Resp: 1434137

Ion Ratio Lower Upper

63 100

106 27.3 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

600000

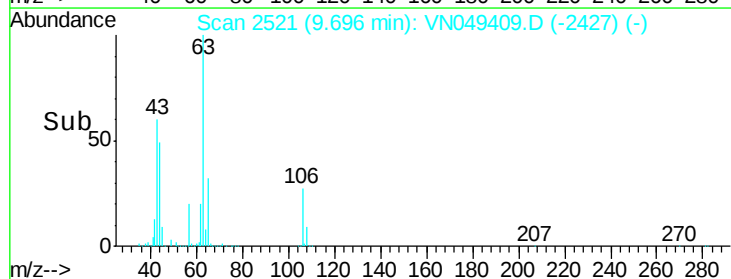
400000

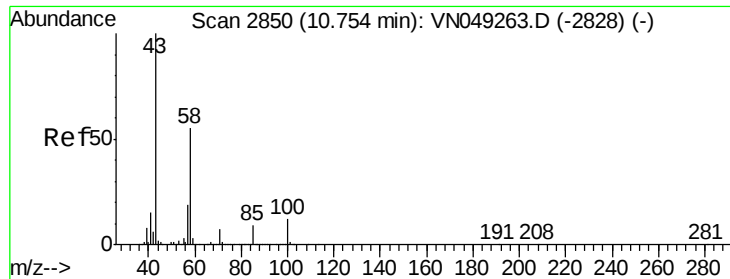
200000

0

9.60 9.70 9.80

Time-->





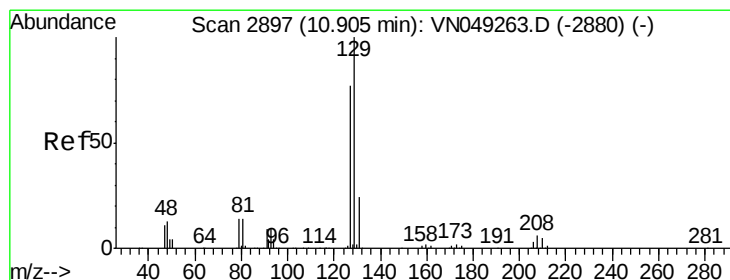
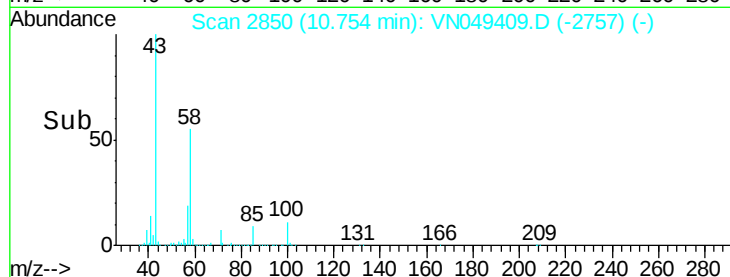
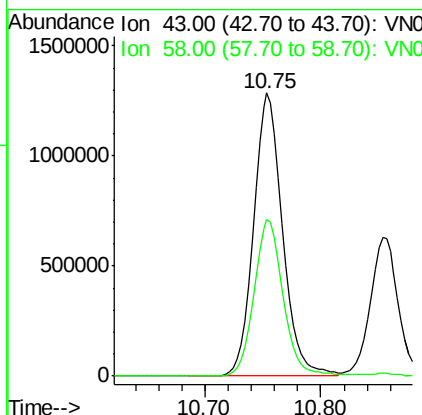
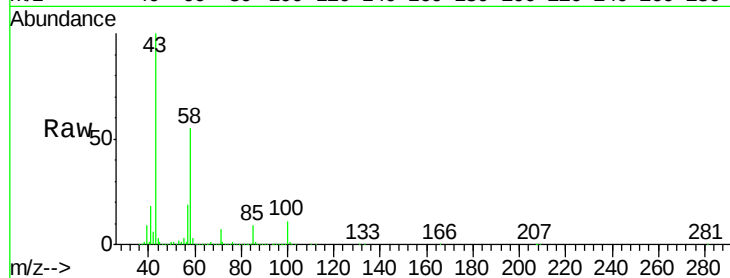
#59
2-Hexanone
Concen: 252.390 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2240982
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

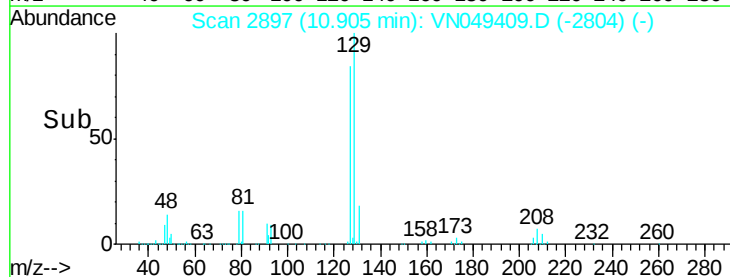
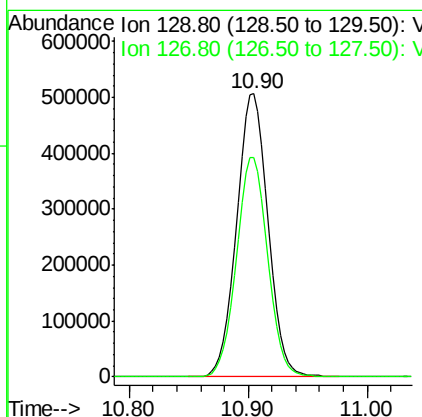
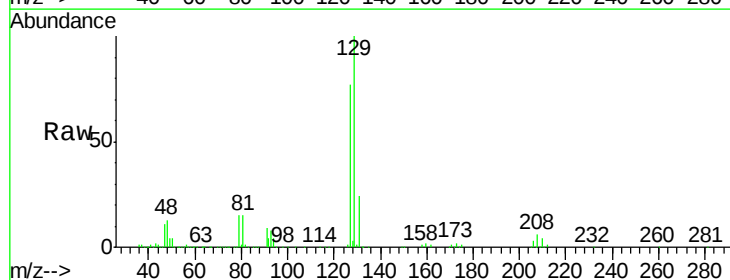
Manual Integrations
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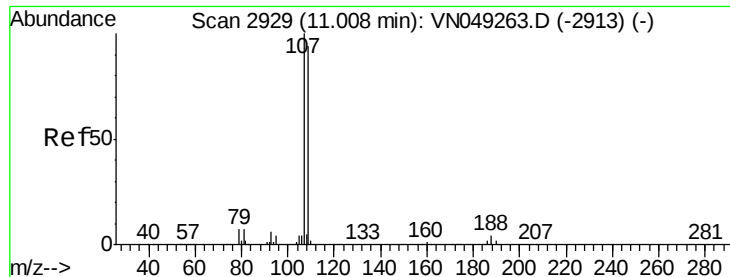
MMDadoda
6/20/2018 4:54:02 PM



#60
Dibromochloromethane
Concen: 48.901 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 129 Resp: 926219
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





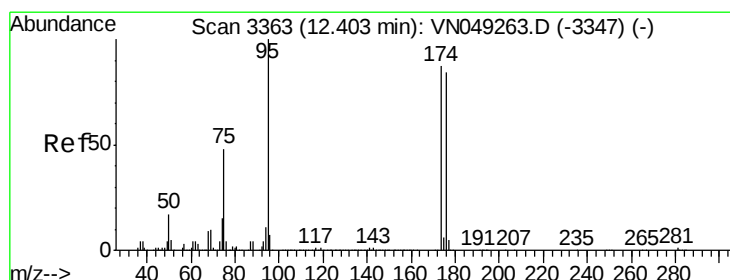
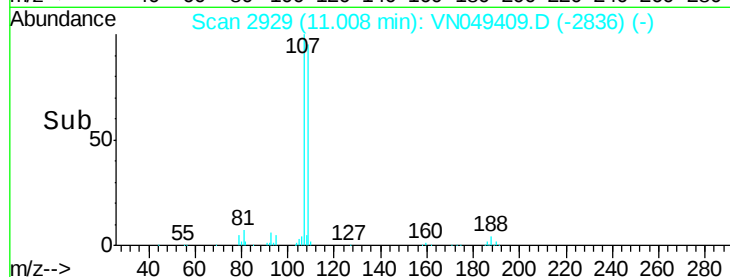
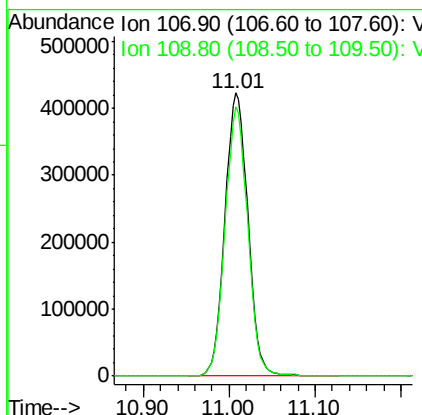
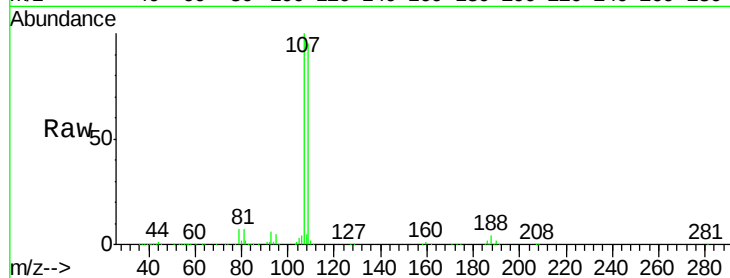
#61
 1,2-Dibromoethane
 Concen: 49.792 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.2

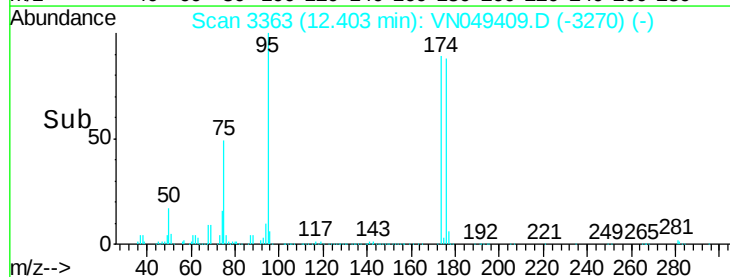
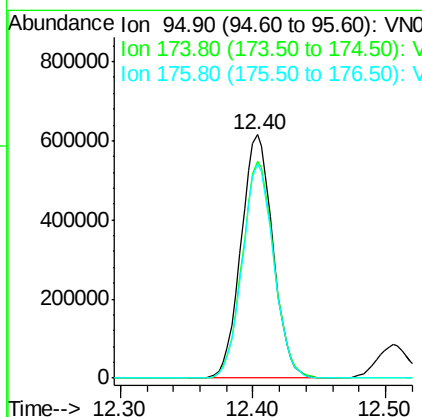
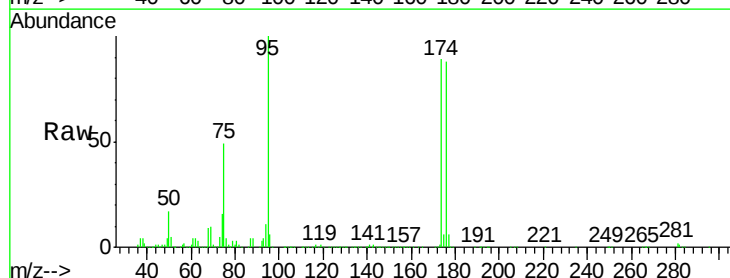
Manual Integrations
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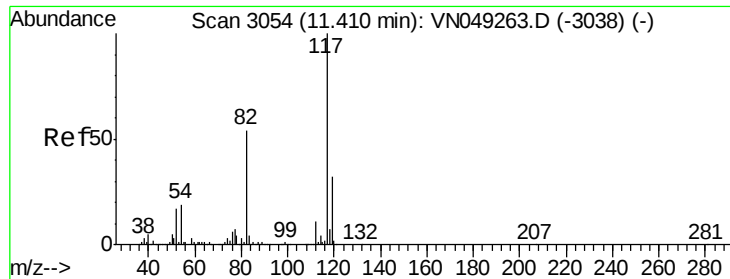
MMDadoda
 6/20/2018 4:54:02 PM



#62
 4-Bromofluorobenzene
 Concen: 45.670 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	165.6
176	86.8	0.0	157.4





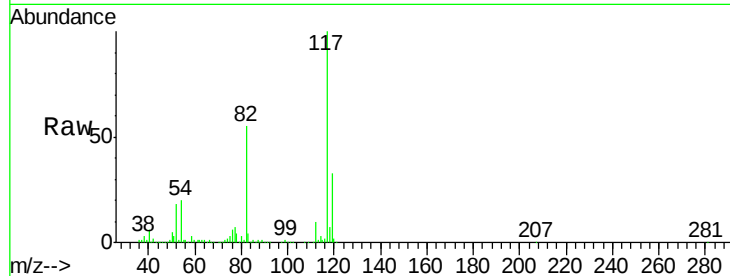
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

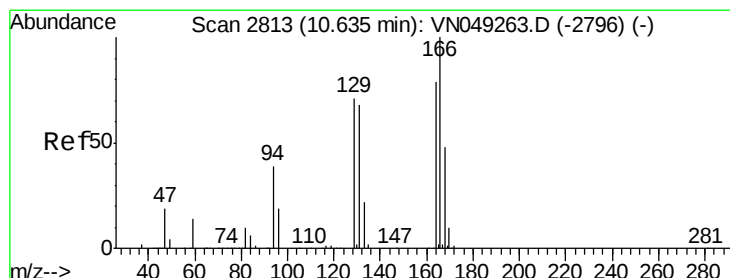
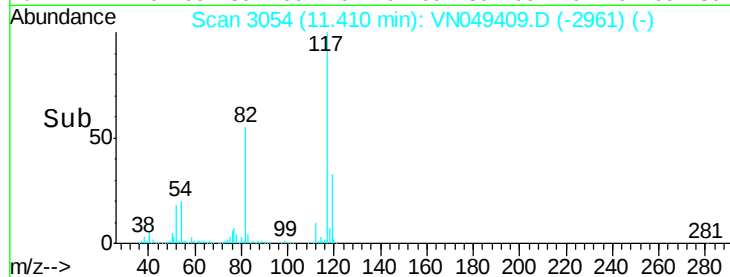
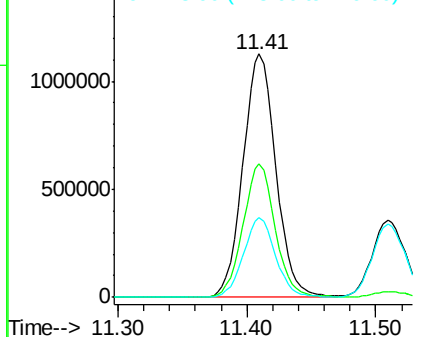
Tot Ion:117 Resp: 2003130
Ion Ratio Lower Upper
117 100
82 54.9 45.9 68.9
119 32.5 25.5 38.3

Manual Integrations
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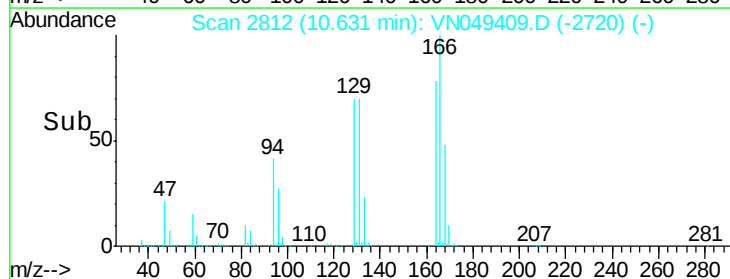
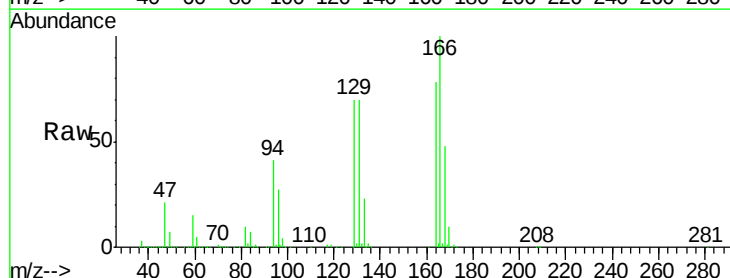
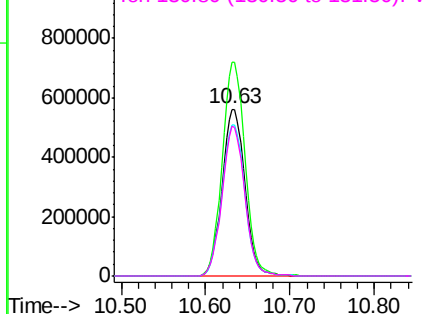
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

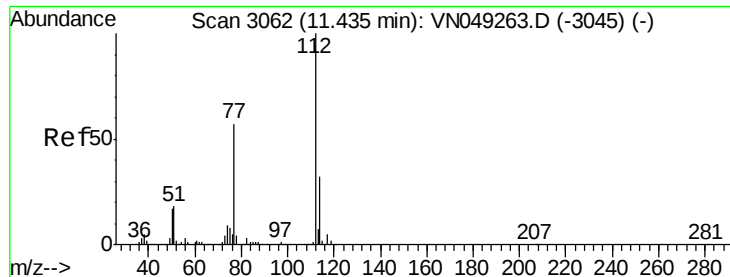


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion:164 Resp: 1054368
Ion Ratio Lower Upper
164 100
166 128.2 101.4 152.2
129 90.4 74.1 111.1
131 89.6 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 47.602 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2456355

Ion Ratio Lower Upper

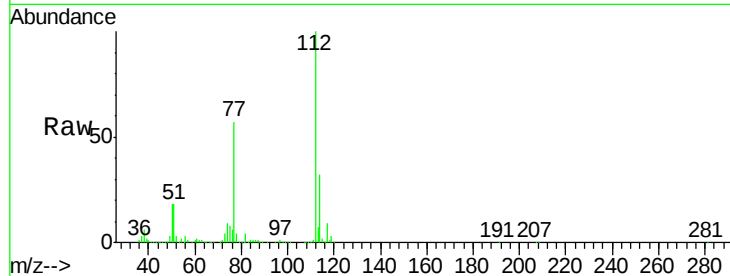
112 100

114 31.9 26.2 39.4

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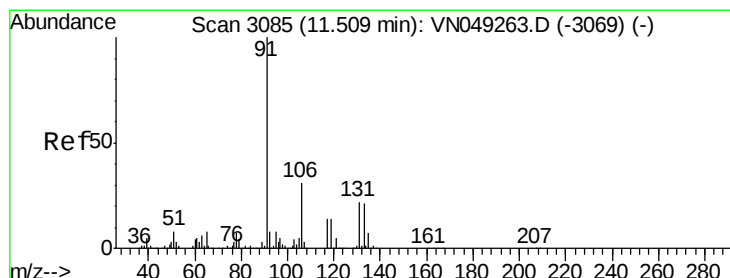
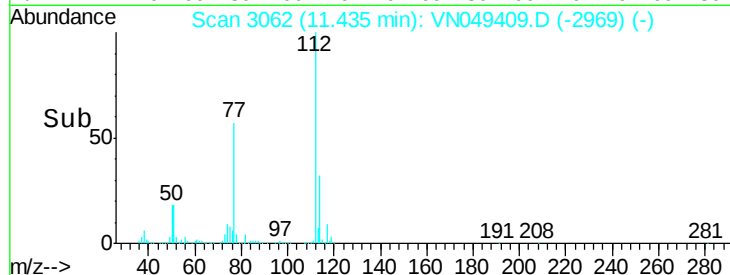
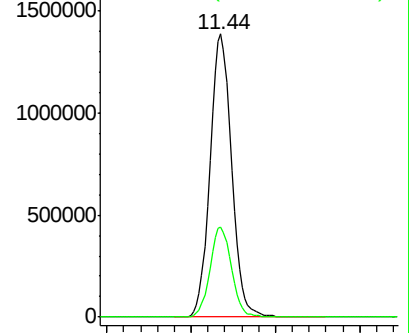
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.165 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

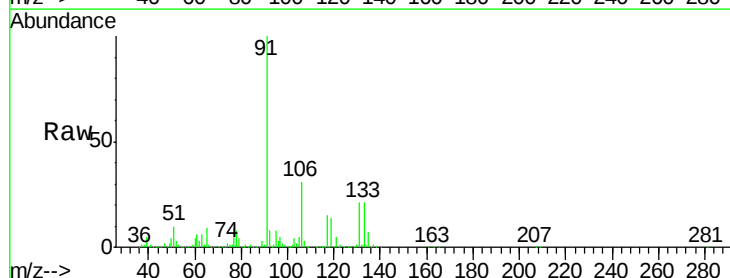
Tgt Ion:131 Resp: 915898

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

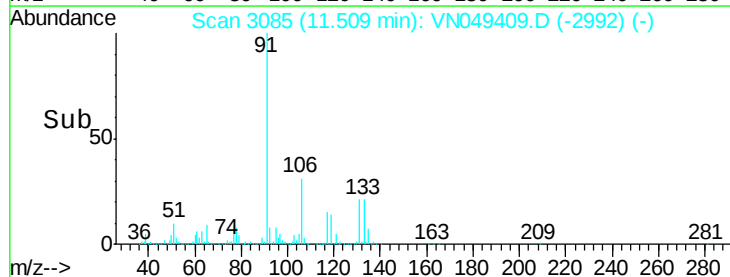
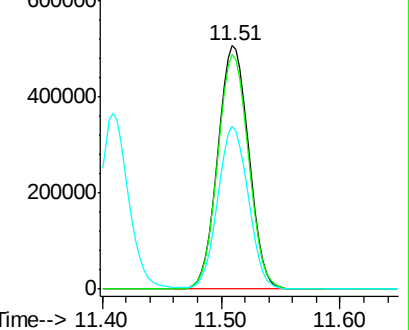
119 65.9 33.6 100.8

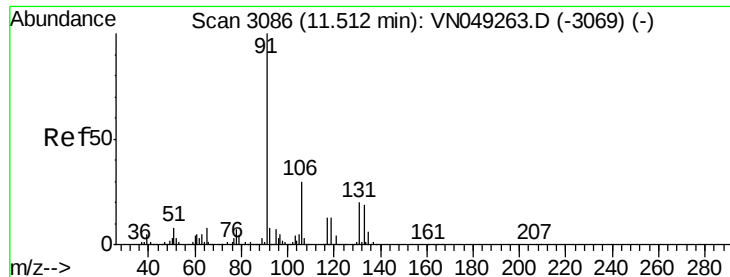


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





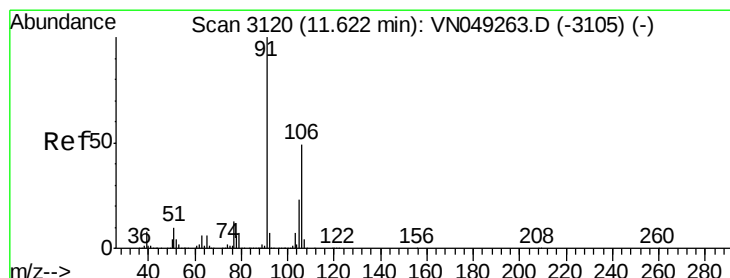
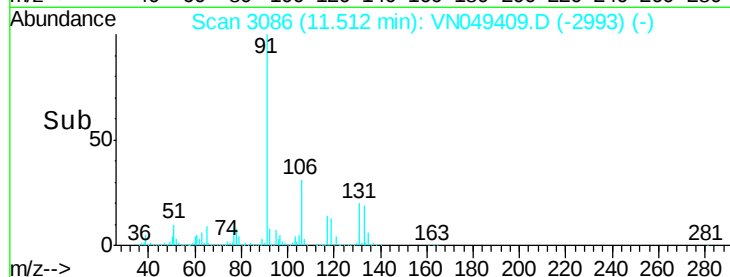
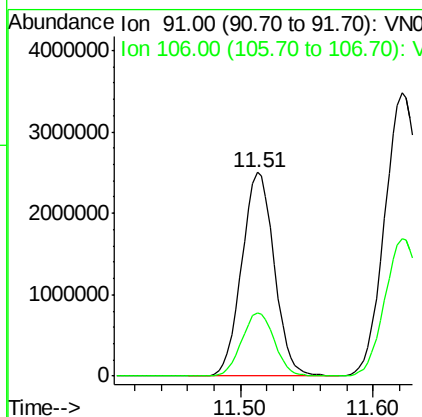
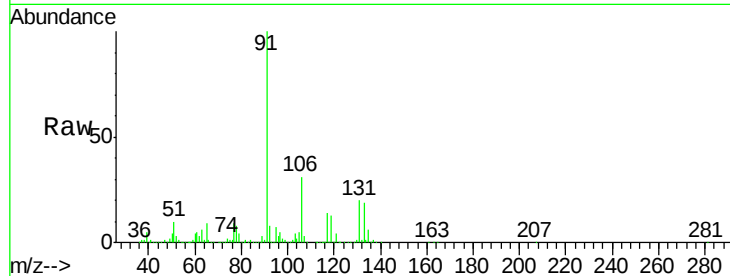
#67
Ethyl Benzene
Concen: 49.826 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4264734
Ion Ratio Lower Upper
91 100
106 31.3 23.9 35.9

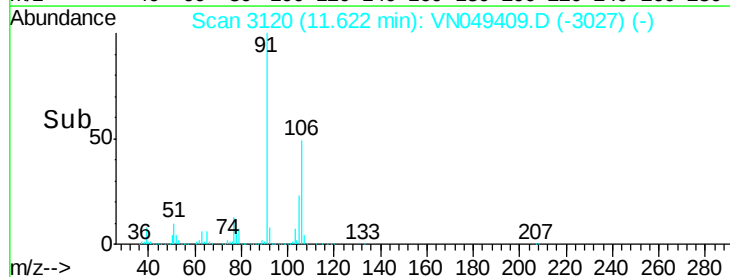
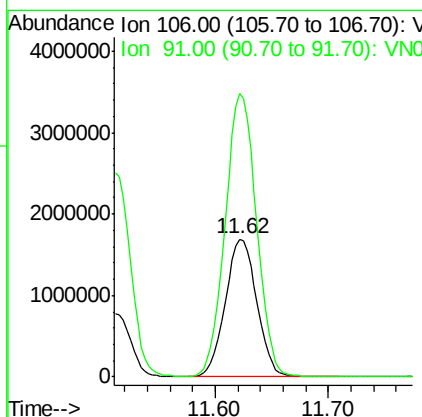
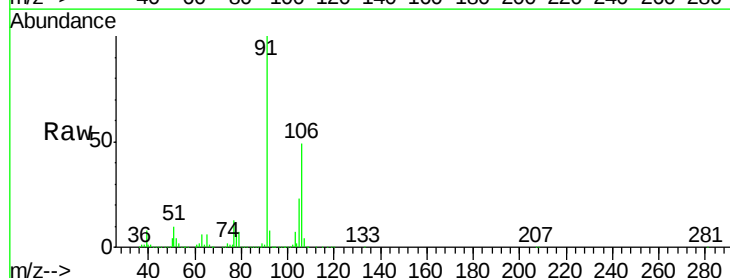
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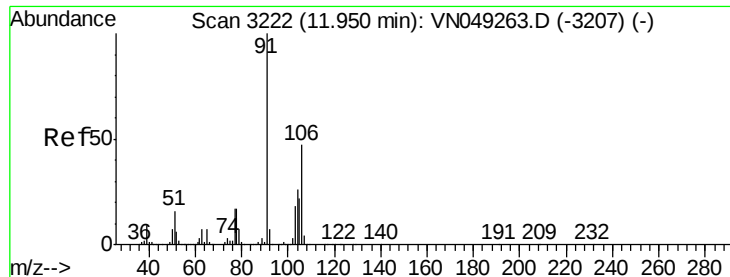
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6/20/2018 4:54:02 PM



#68
m/p-Xylenes
Concen: 102.086 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 106 Resp: 3279176
Ion Ratio Lower Upper
106 100
91 204.5 167.3 250.9





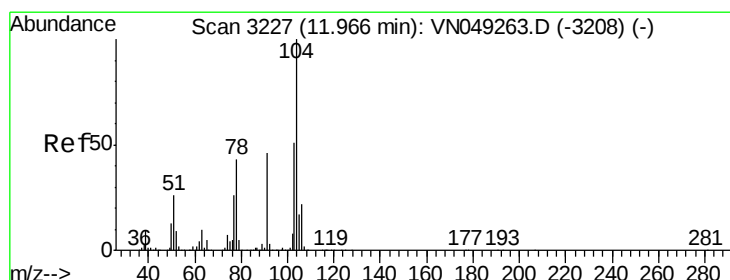
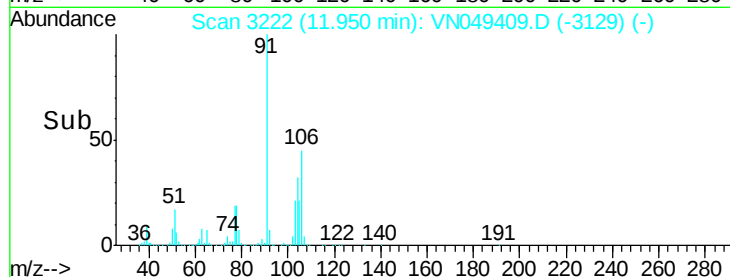
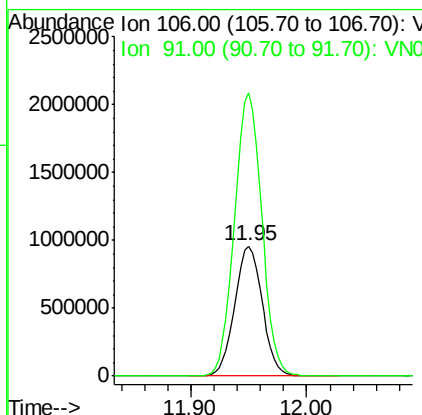
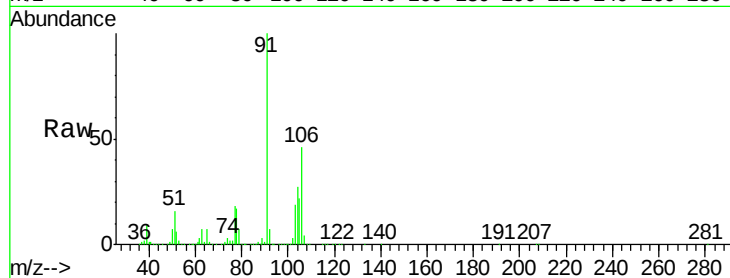
#69
o-Xylene
Concen: 50.875 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1573990
Ion Ratio Lower Upper
106 100
91 215.7 111.0 333.0

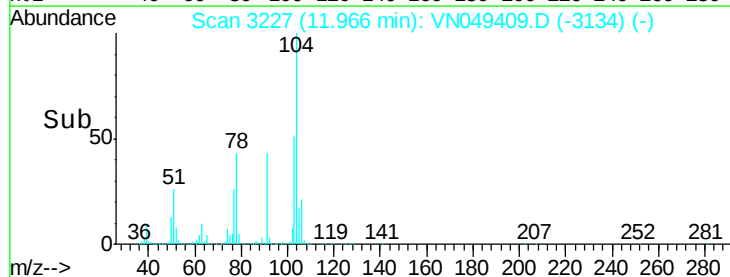
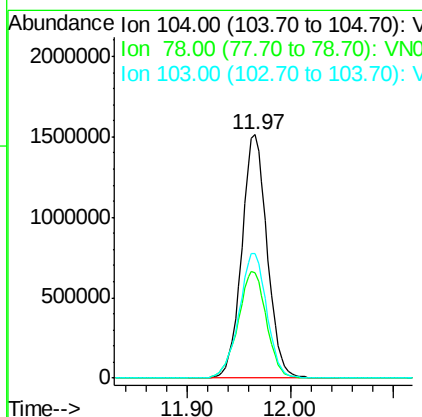
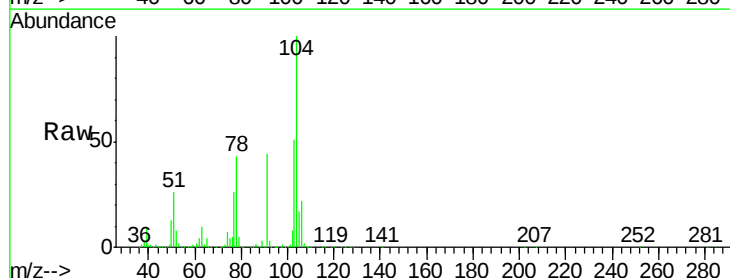
Manual Integrations
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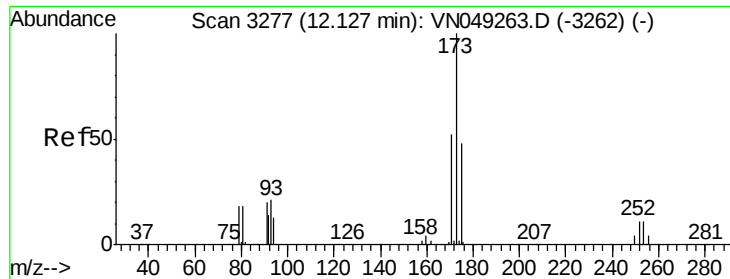
MMDadoda
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#70
Styrene
Concen: 52.954 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion:104 Resp: 2584701
Ion Ratio Lower Upper
104 100
78 48.9 41.6 62.4
103 56.0 45.4 68.2





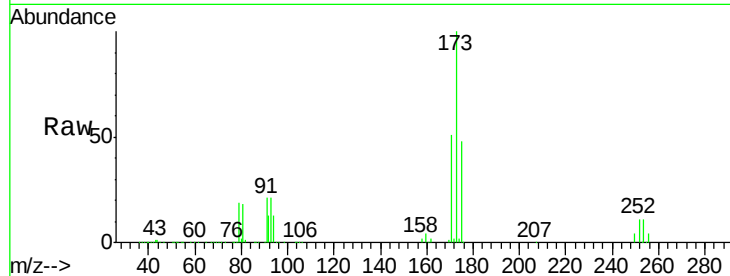
#71
Bromoform
Concen: 49.544 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

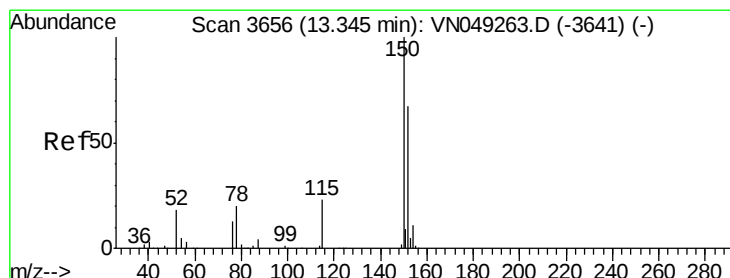
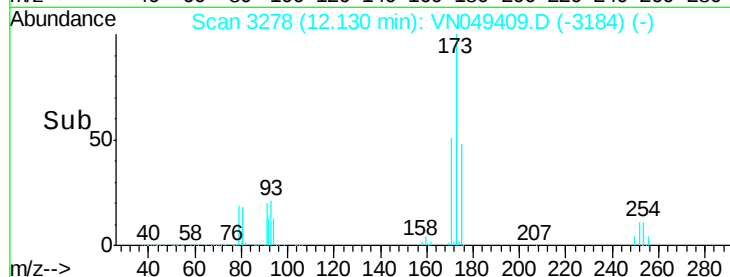
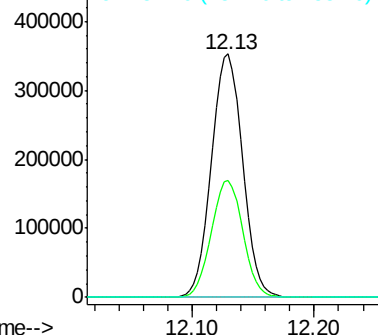
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.2	0.1	0.1#

Manual Integrations
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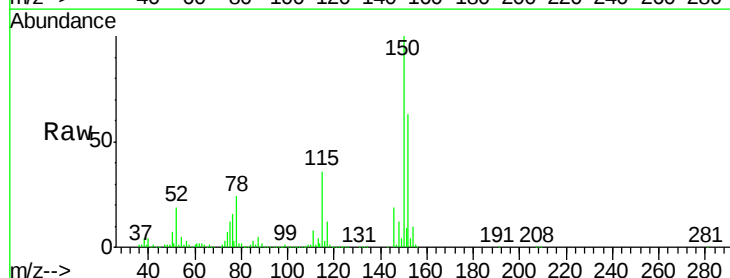


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

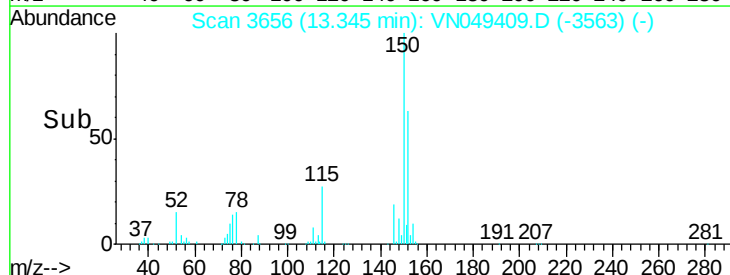
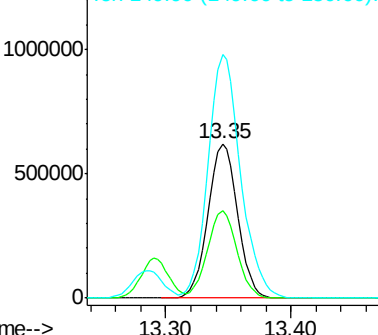


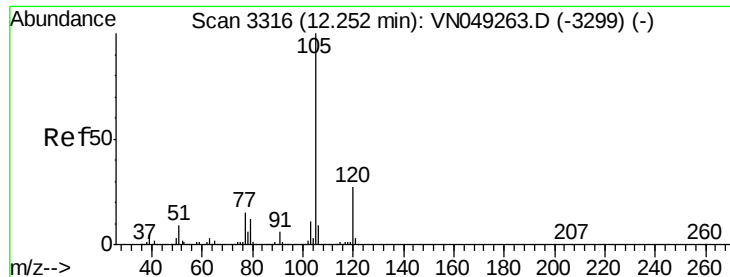
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.7	86.1
150	173.6	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





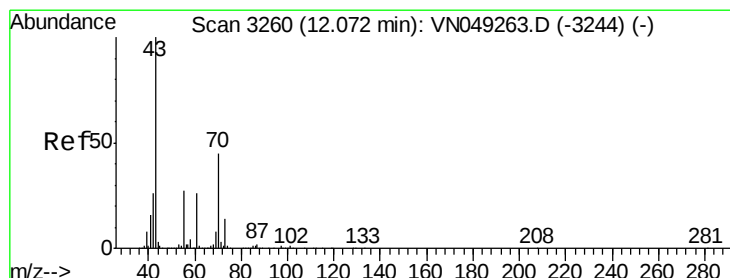
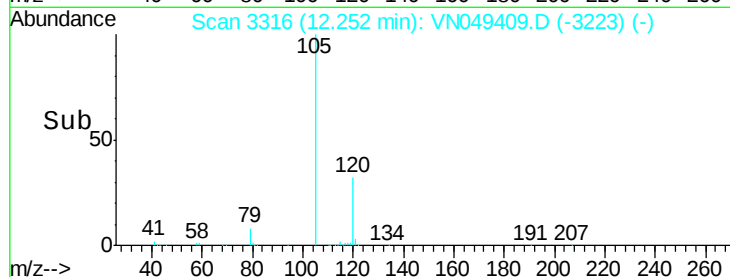
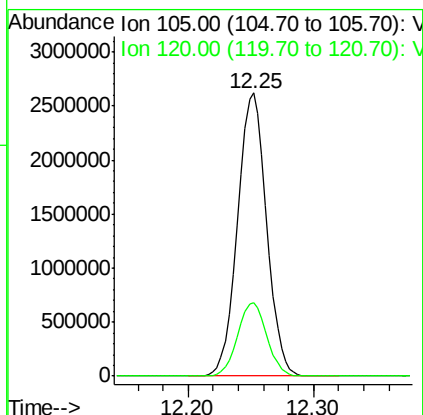
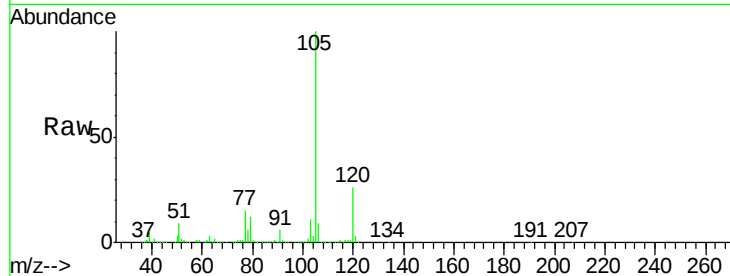
#73
Isopropylbenzene
Concen: 47.204 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 4200239
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.3

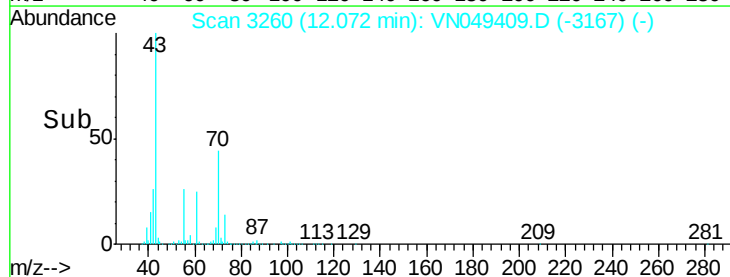
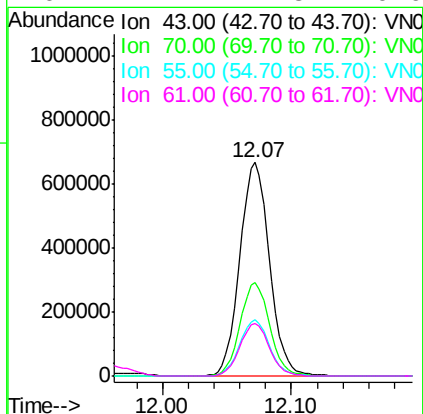
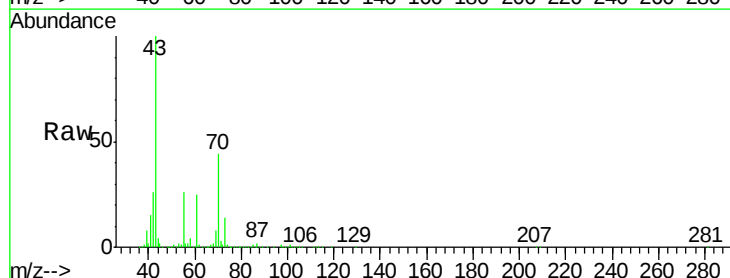
Manual Integrations
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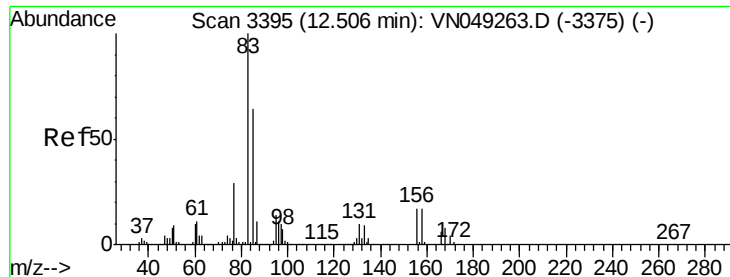
MMDadoda
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#74
N-ethyl acetate
Concen: 48.947 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion: 43 Resp: 1066755
Ion Ratio Lower Upper
43 100
70 43.6 30.3 45.5
55 26.6 19.4 29.2
61 24.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.147 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 917815
Ion Ratio Lower Upper

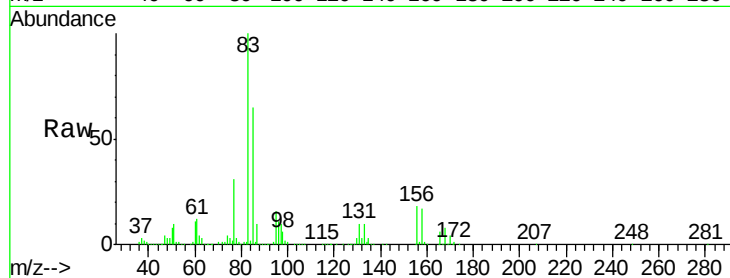
83 100

131 10.5 5.0 15.0

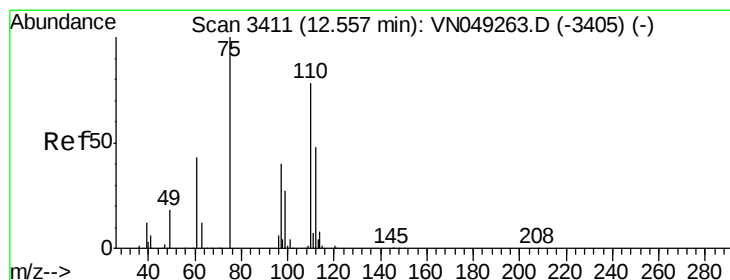
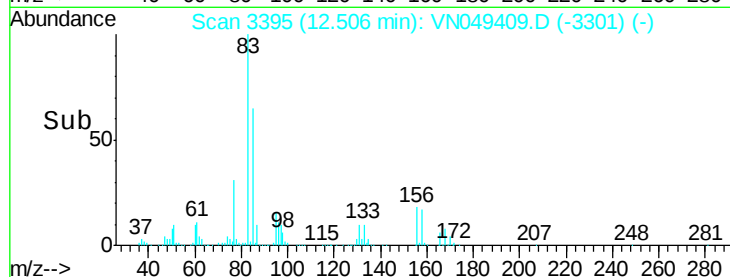
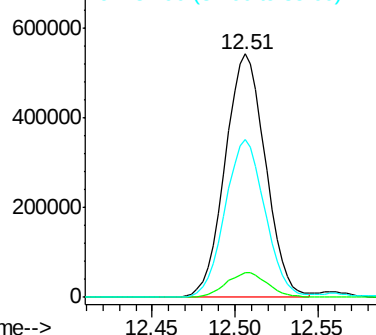
85 64.0 32.0 96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 47.999 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

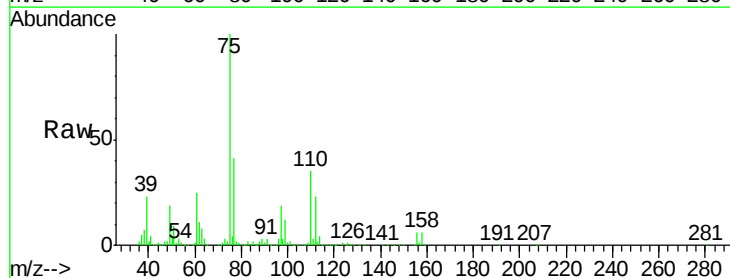
Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

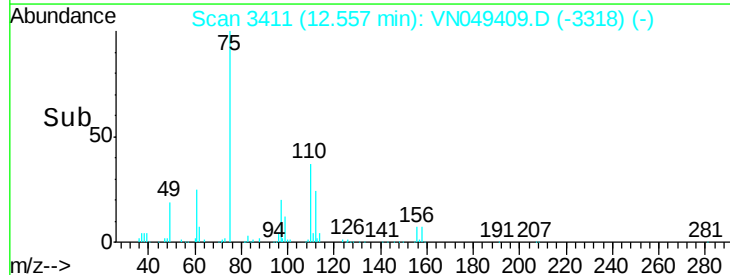
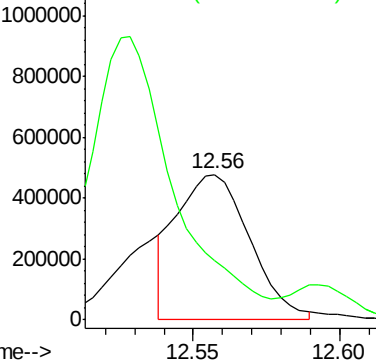
Tgt Ion: 75 Resp: 829960
Ion Ratio Lower Upper

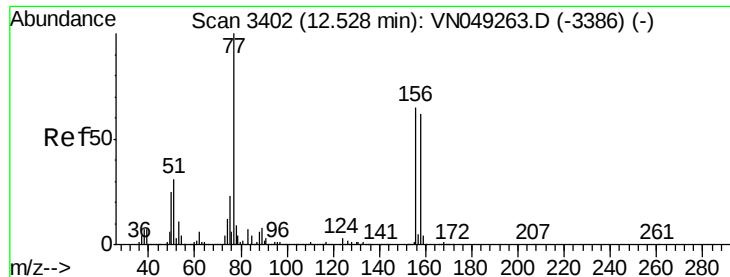
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 44.790 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1052695

Ion Ratio Lower Upper

156 100

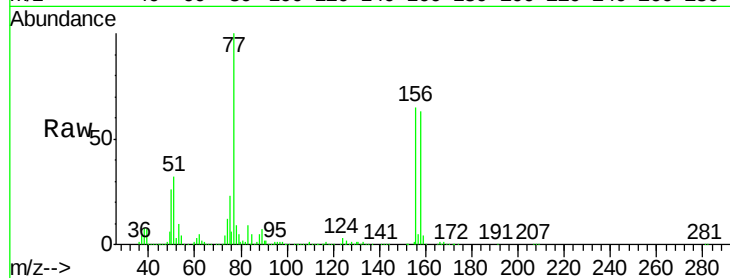
77 179.0 100.8 302.4

158 96.7 49.3 147.9

Manual Integrations
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MMDadoda

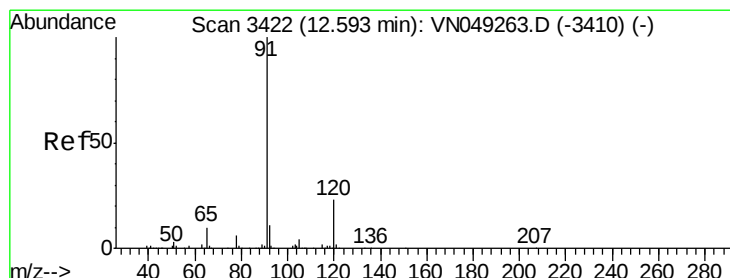
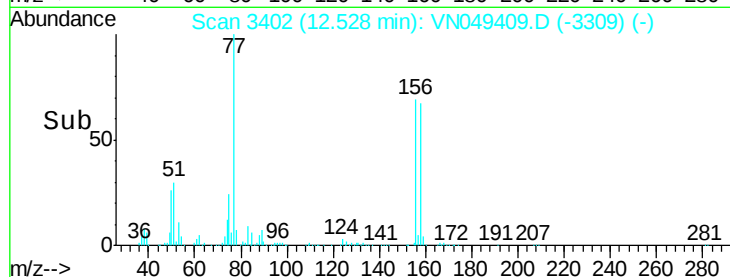
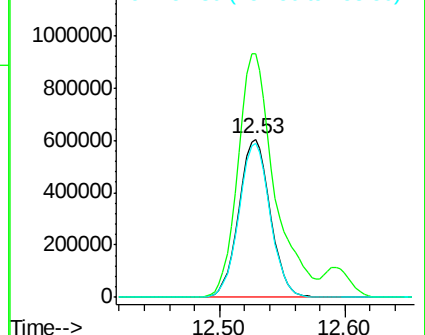
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.297 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049409.D

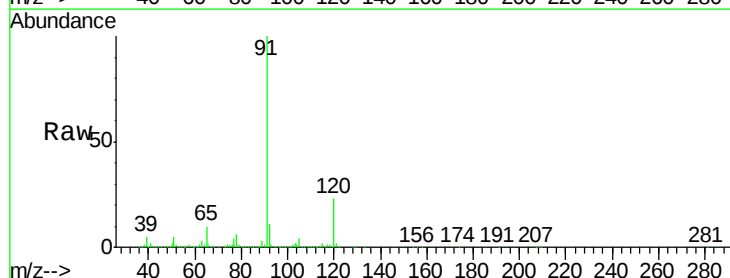
Acq: 20 Jun 2018 1:56

Tgt Ion: 91 Resp: 4718516

Ion Ratio Lower Upper

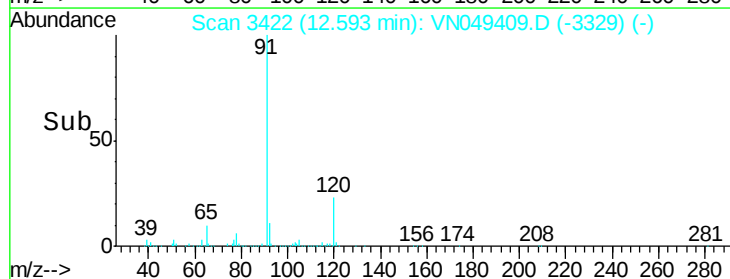
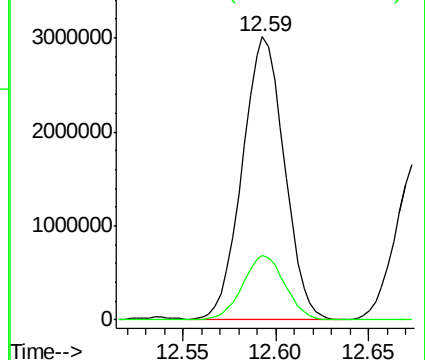
91 100

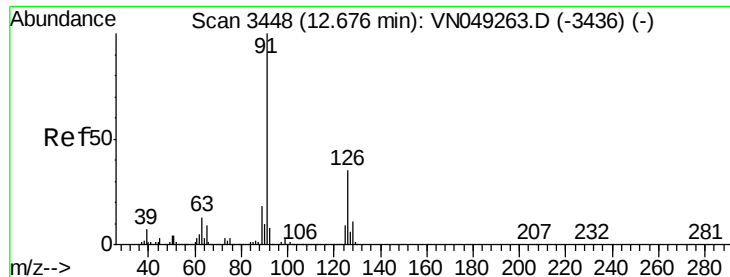
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.110 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2854379

Ion Ratio Lower Upper

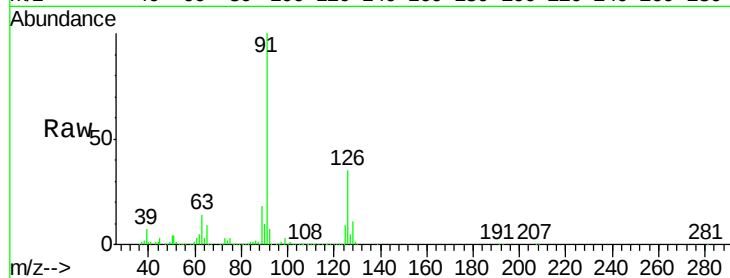
91 100

126 35.1 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

3000000

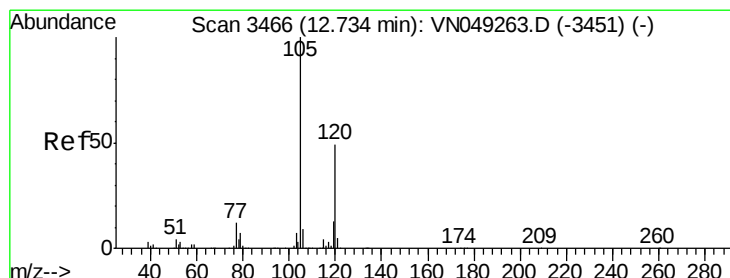
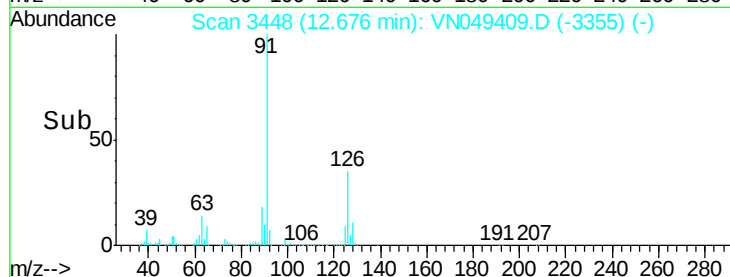
2000000

1000000

0

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.990 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049409.D

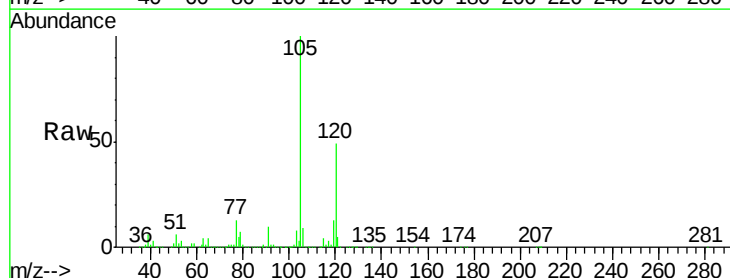
Acq: 20 Jun 2018 1:56

Tgt Ion: 105 Resp: 3426238

Ion Ratio Lower Upper

105 100

120 48.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

2500000

2000000

1500000

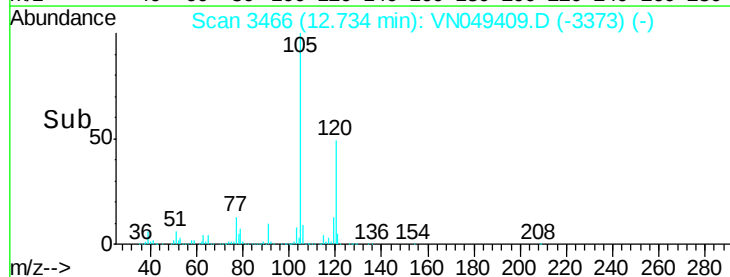
1000000

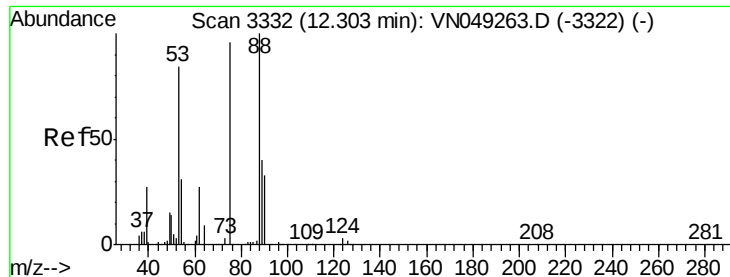
500000

0

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.935 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

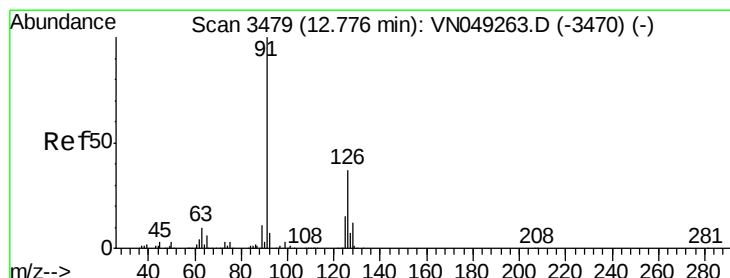
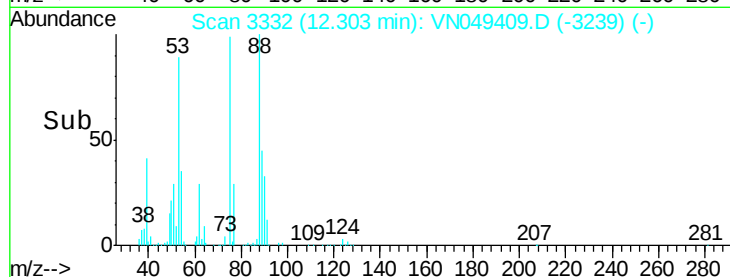
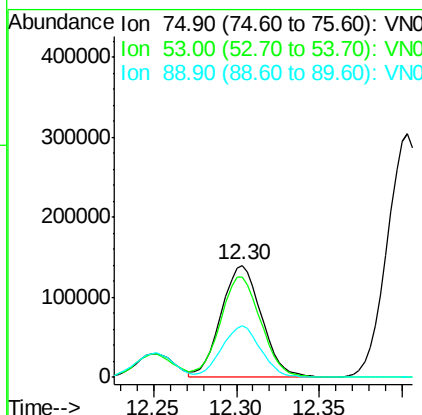
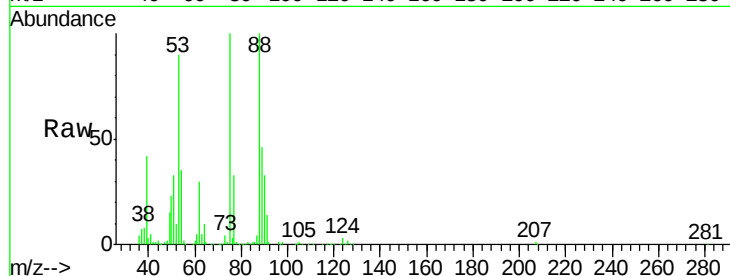
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	234897
Ion	Ratio	Lower	Upper
75	100		
53	91.3	82.7	124.1
89	45.1	36.5	54.7

Manual Integrations
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6/20/2018 4:54:02 PM



#82

4-Chlorotoluene

Concen: 47.789 ug/l

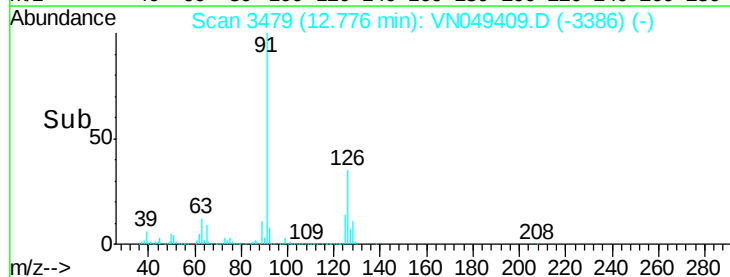
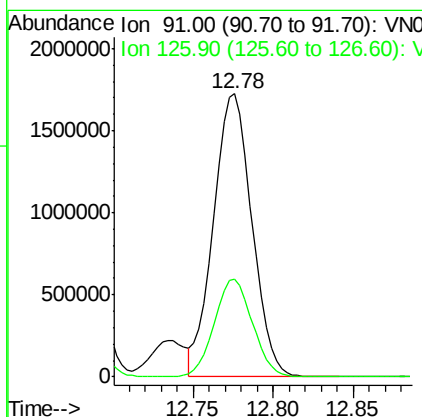
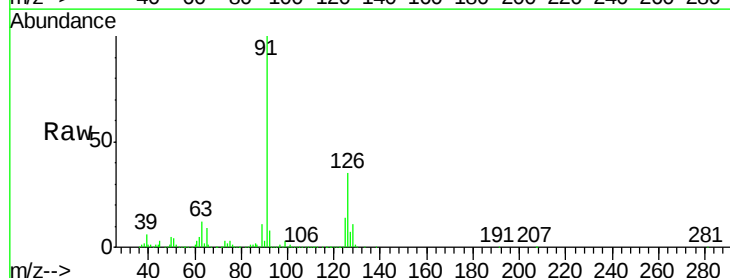
RT: 12.78 min Scan# 3479

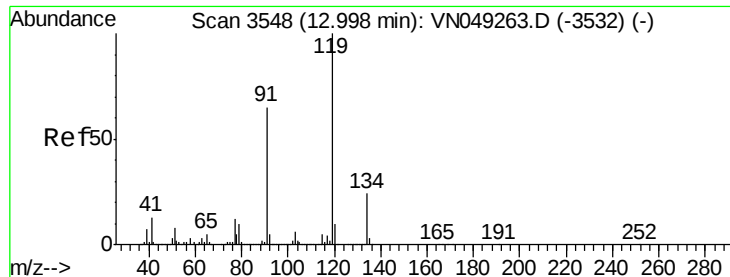
Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Tgt Ion:	91	Resp:	2854046
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1





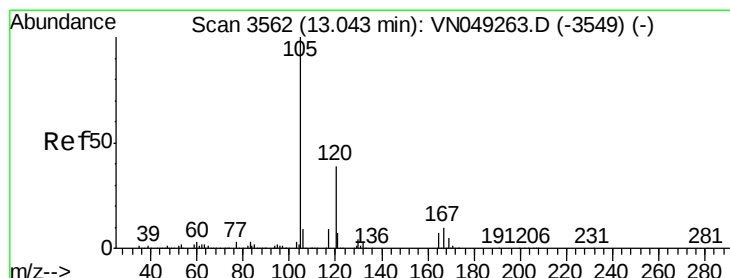
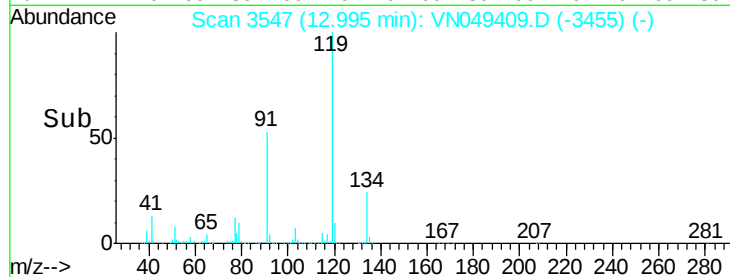
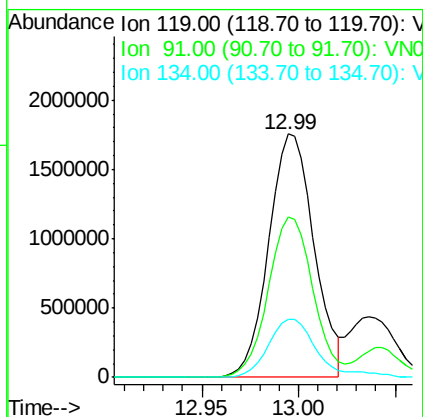
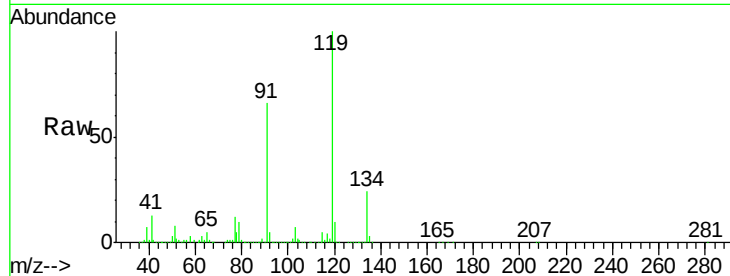
#83
tert-Butylbenzene
Concen: 46.180 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2861334
Ion Ratio Lower Upper
119 100
91 65.0 33.7 101.0
134 25.8 12.9 38.6

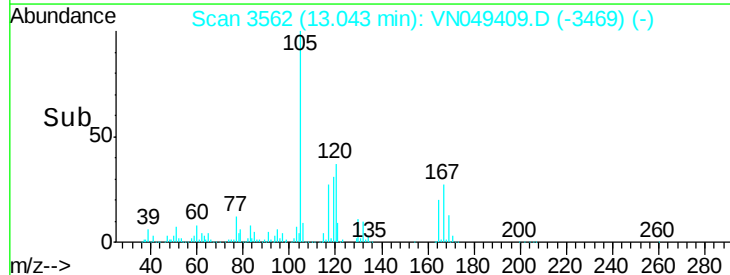
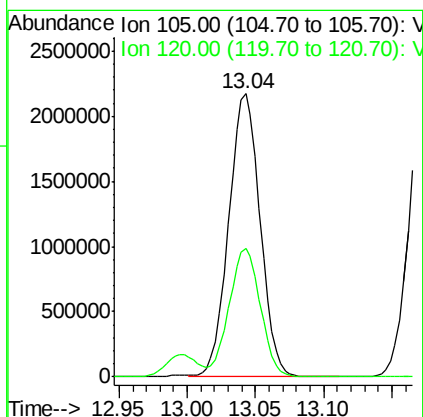
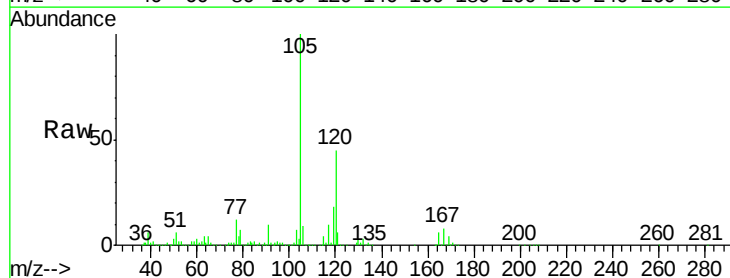
Manual Integrations
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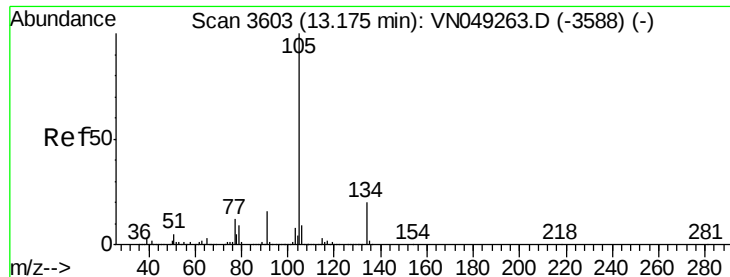
MMDadoda
6/20/2018 4:54:02 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.818 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion:105 Resp: 3461195
Ion Ratio Lower Upper
105 100
120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 46.549 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 3838798

Ion Ratio Lower Upper

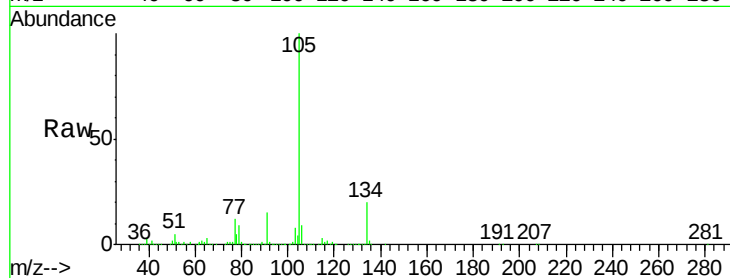
105 100

134 20.1 9.8 29.3

Manual Integrations
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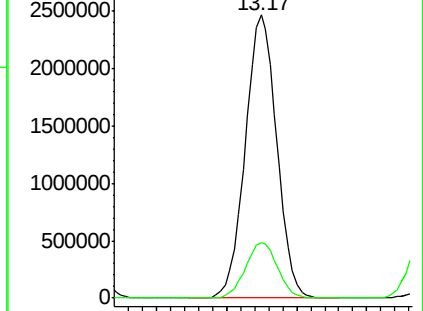
MMDadoda

6/20/2018 4:54:02 PM

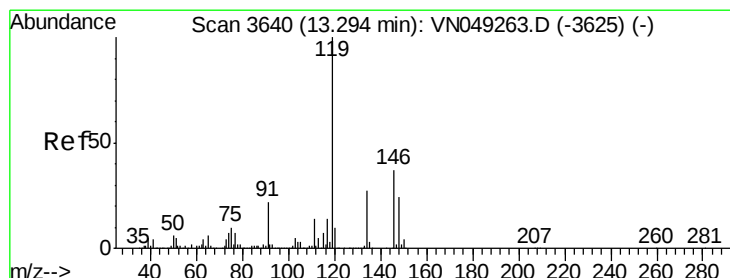
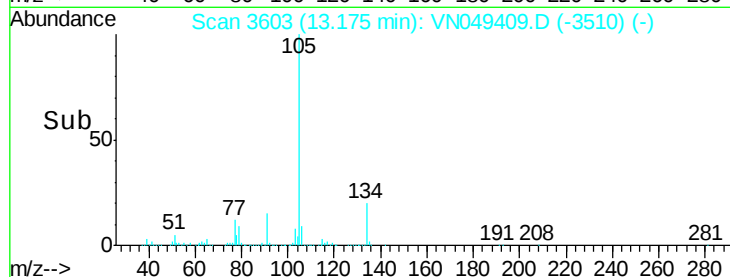


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 48.085 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

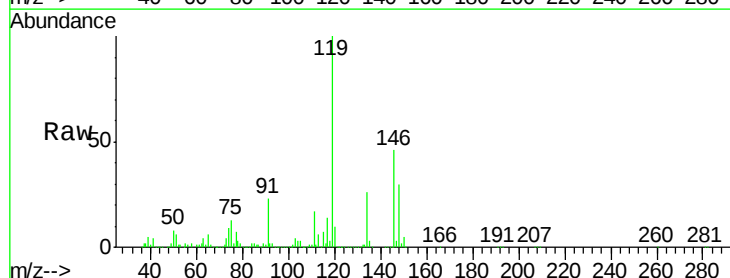
Tgt Ion:119 Resp: 3313052

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

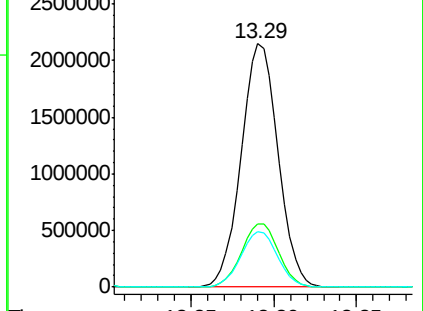
91 22.7 12.1 36.3



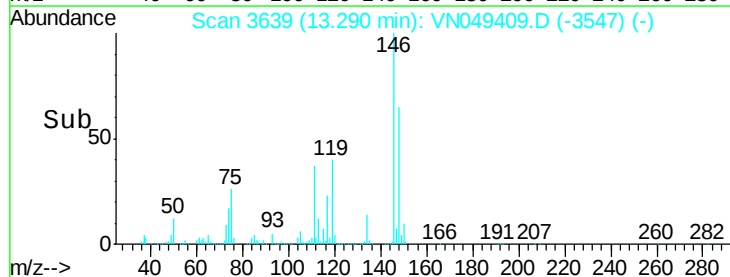
Abundance Ion 119.00 (118.70 to 119.70): V

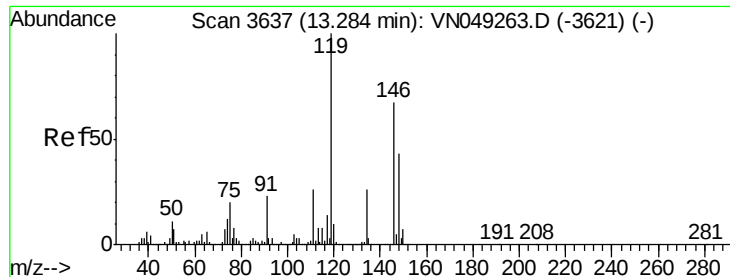
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 46.634 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1803074

Ion Ratio Lower Upper

146 100

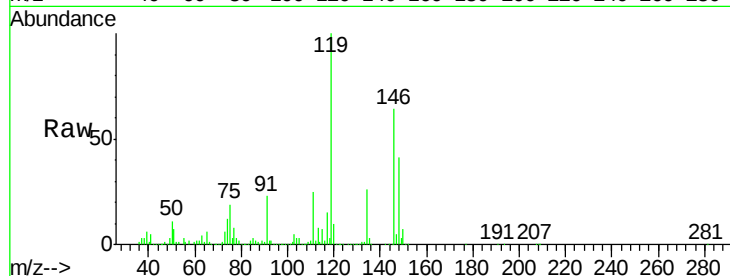
111 38.3 19.9 59.6

148 64.6 32.1 96.5

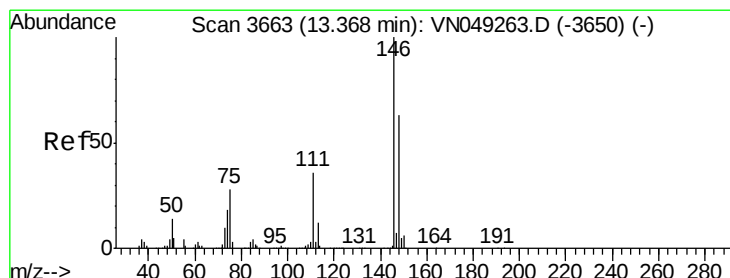
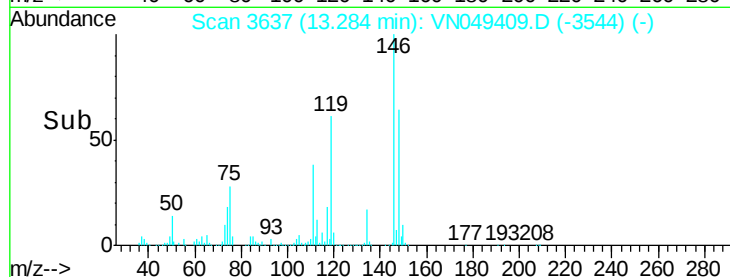
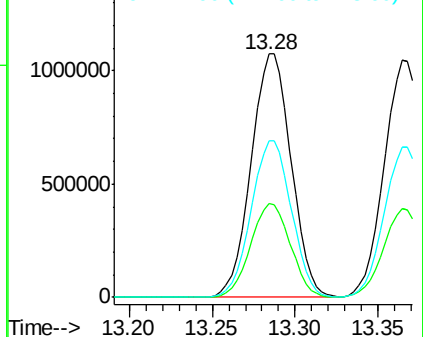
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.606 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

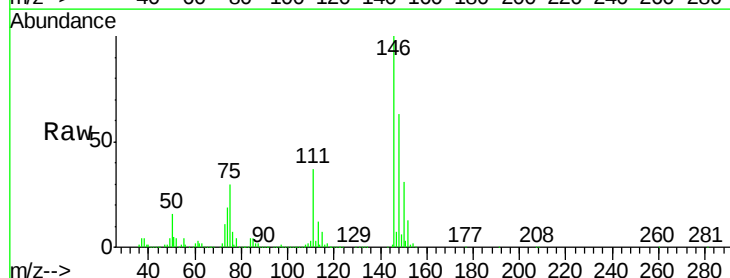
Tgt Ion:146 Resp: 1747712

Ion Ratio Lower Upper

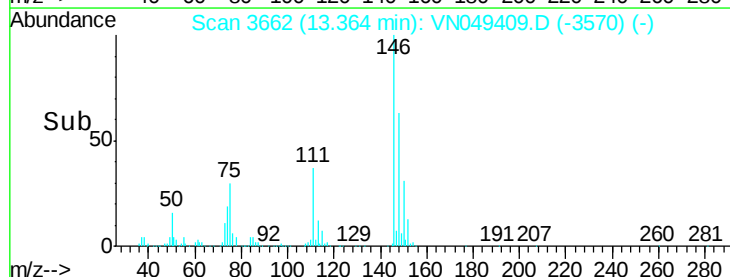
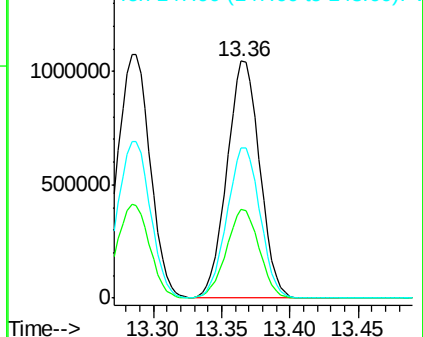
146 100

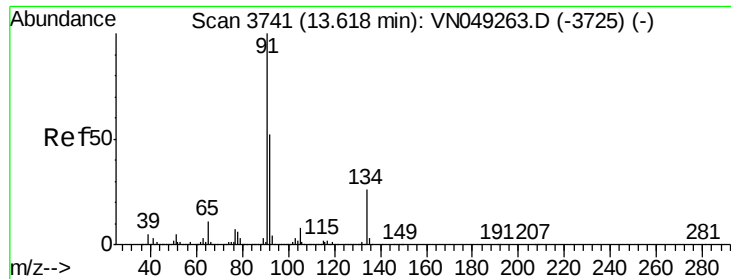
111 37.3 19.1 57.1

148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





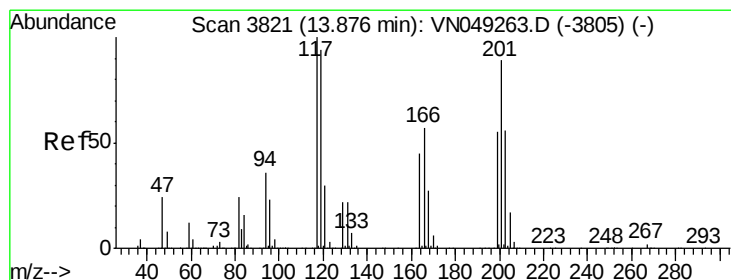
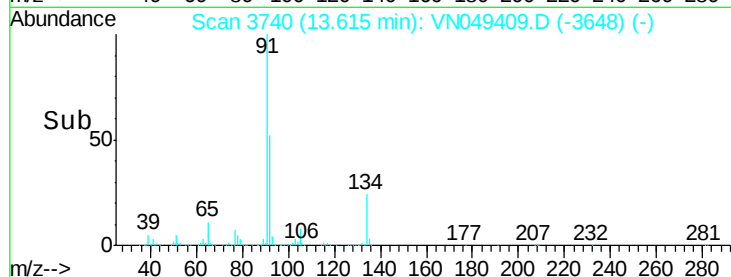
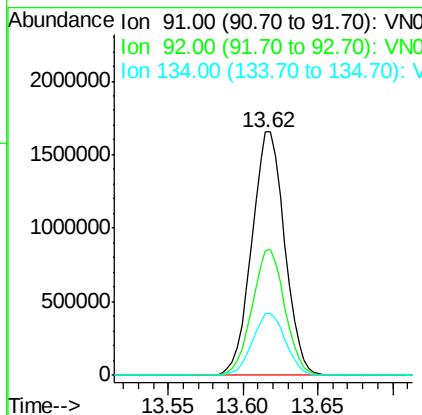
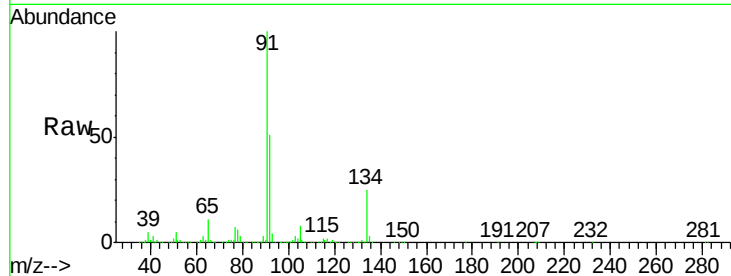
#89
n-Butylbenzene
Concen: 46.941 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.6	12.0	36.0

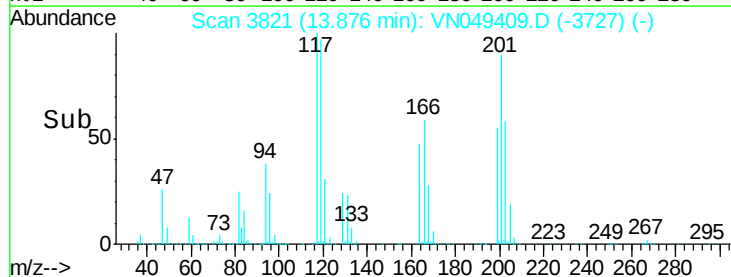
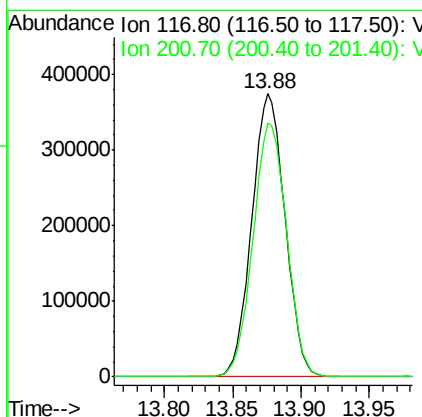
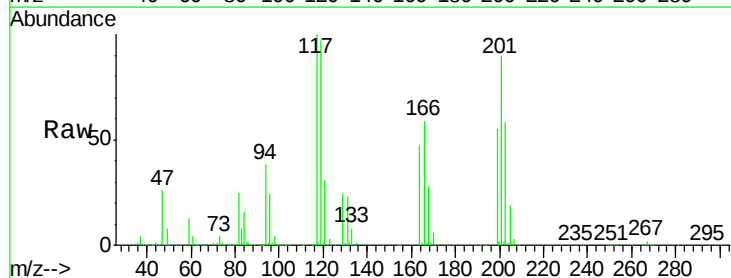
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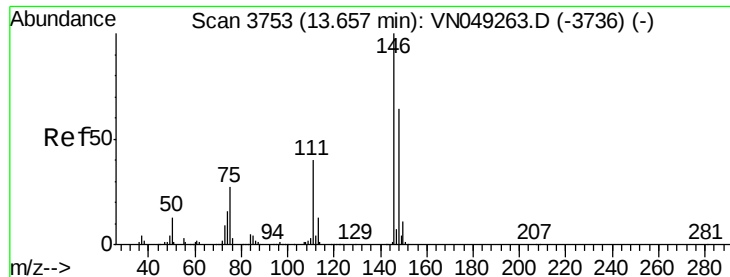
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6/20/2018 4:54:02 PM



#90
Hexachloroethane
Concen: 48.605 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049409.D
Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	40.1	120.2





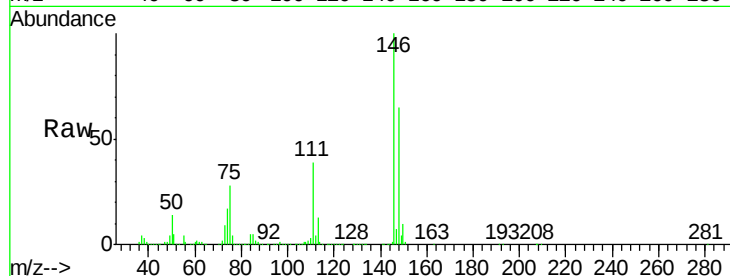
#91
 1,2-Dichlorobenzene
 Concen: 46.322 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

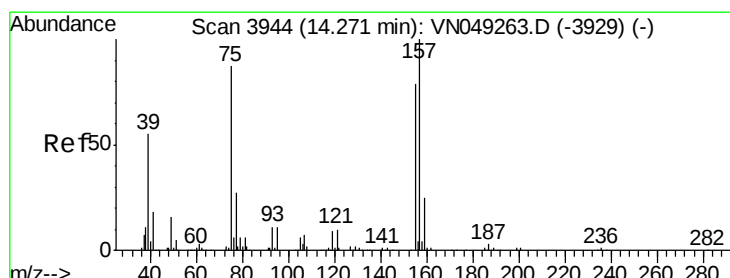
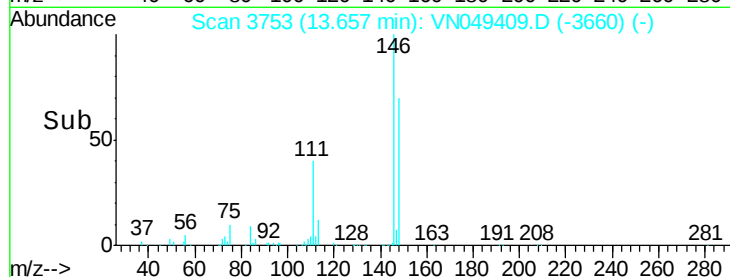
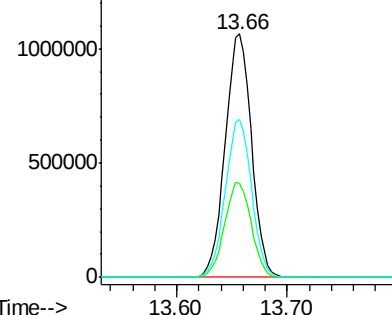
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.7	32.0	96.2

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 6/20/2018 4:54:02 PM

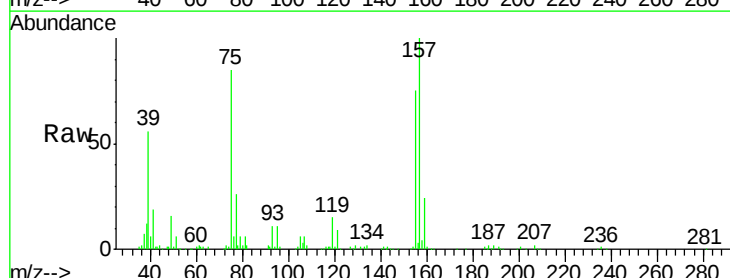


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

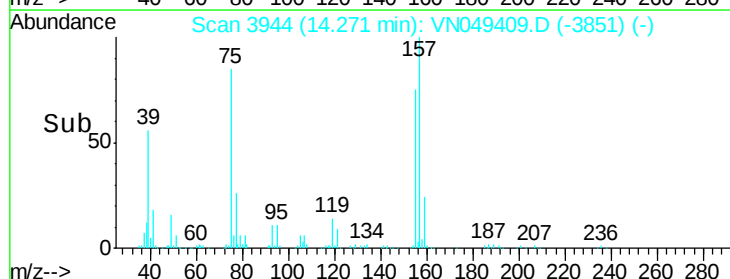
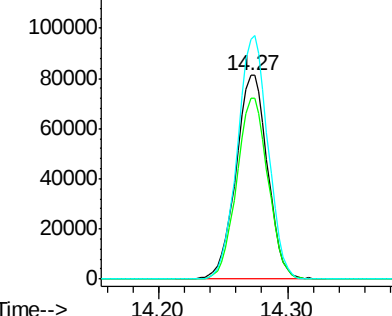


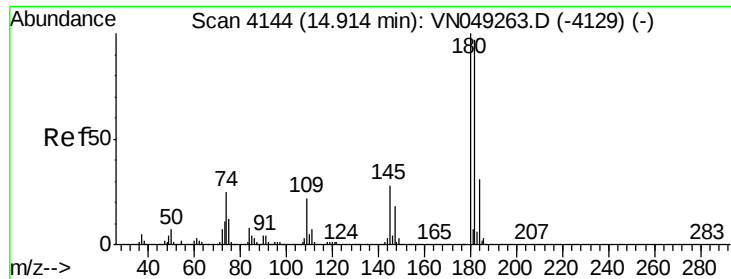
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.962 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	38.8	116.3
157	115.1	51.0	153.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





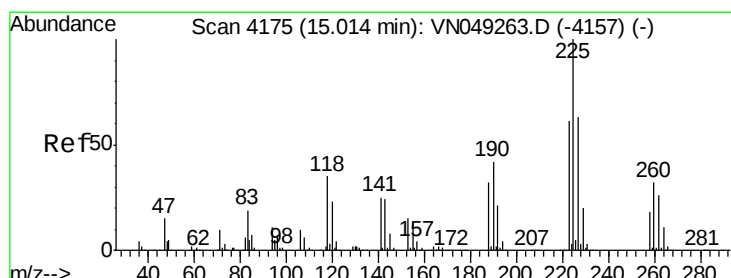
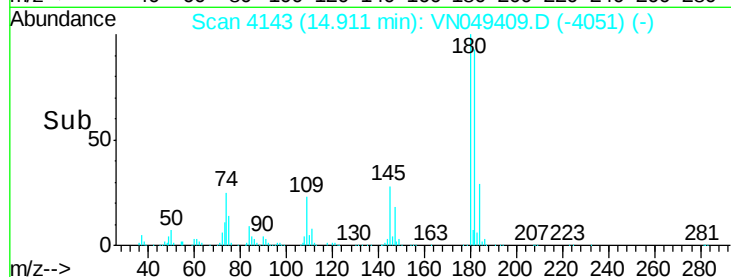
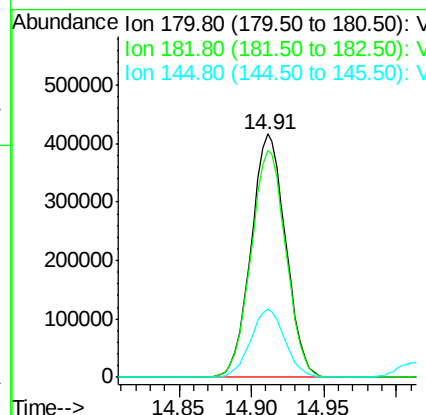
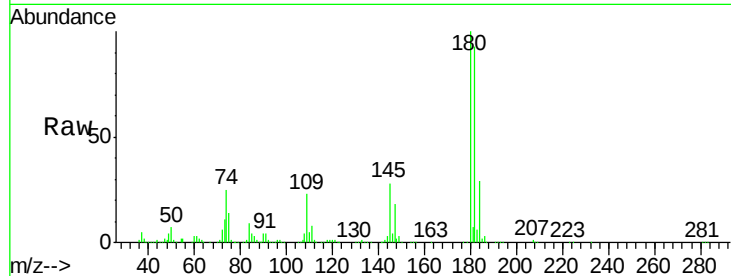
#93
 1,2,4-Trichlorobenzene
 Concen: 40.705 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	690524		
182	94.3	46.9	140.8	
145	28.0	14.7	44.1	

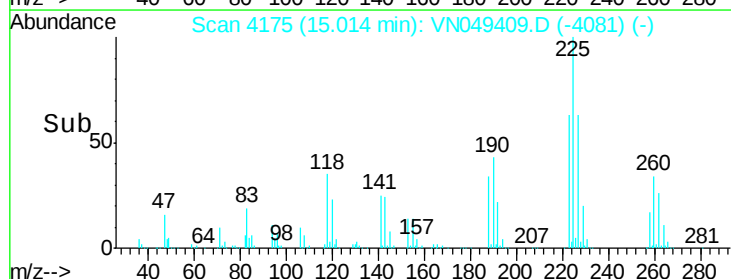
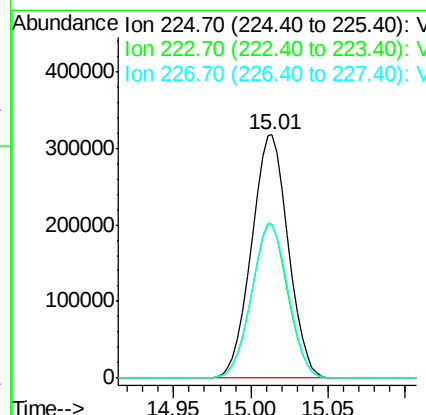
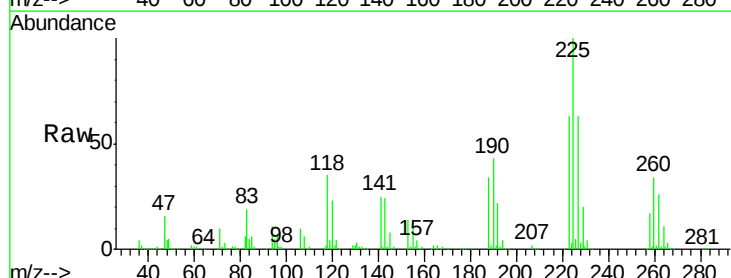
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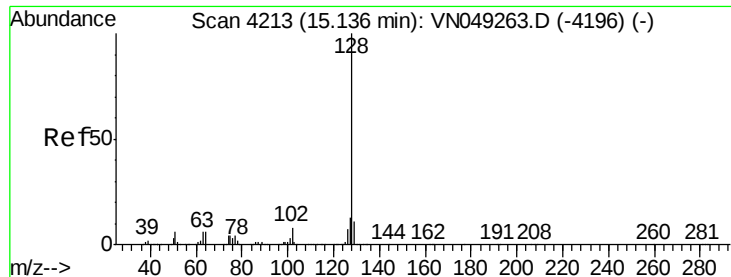
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 6/20/2018 4:54:02 PM



#94
 Hexachlorobutadiene
 Concen: 47.026 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049409.D
 Acq: 20 Jun 2018 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	523409		
223	62.5	32.1	96.3	
227	63.8	31.8	95.3	





#95

Naphthalene

Concen: 44.242 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1335242

Ion Ratio Lower Upper

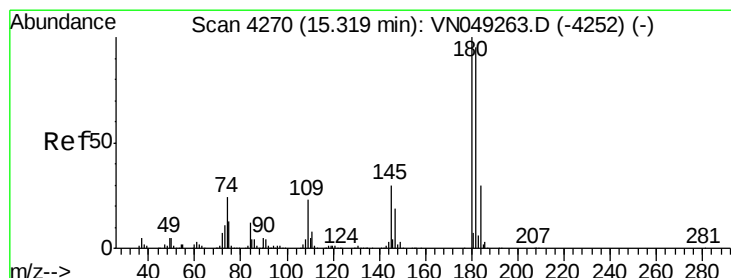
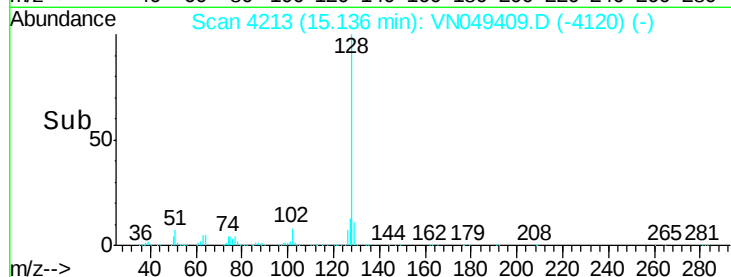
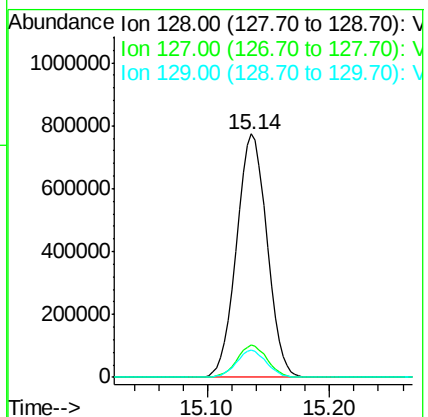
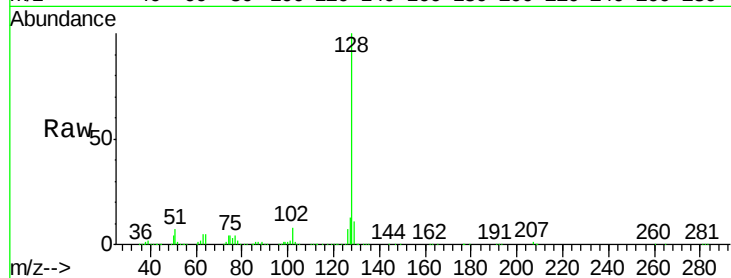
128 100

127 13.1 10.6 16.0

129 11.0 8.5 12.7

Manual Integrations
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6/20/2018 4:54:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.027 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049409.D

Acq: 20 Jun 2018 1:56

Tgt Ion:180 Resp: 703993

Ion Ratio Lower Upper

180 100

182 96.4 47.3 141.8

145 30.2 15.6 46.7

