

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049383.D
 Acq On : 19 Jun 2018 13:44
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:53:59 PM

Quant Time: Jun 20 04:38:58 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	1587625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2323727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2133814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1102916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	950279	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.59	113	859366	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
50) Toluene-d8	10.09	98	3262654	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	12.40	95	1136847	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	868063	47.504	ug/l	100
3) Chloromethane	2.06	50	1044926	44.283	ug/l	97
4) Vinyl Chloride	2.18	62	1148626	45.802	ug/l	98
5) Bromomethane	2.56	94	592570	44.949	ug/l	99
6) Chloroethane	2.70	64	709326	47.438	ug/l	99
7) Trichlorofluoromethane	3.01	101	1469767	46.979	ug/l	99
8) Diethyl Ether	3.41	74	521316	47.728	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	920559	46.393	ug/l	93
10) Methyl Iodide	3.95	142	980386	47.461	ug/l	92
11) Tert butyl alcohol	4.80	59	313671	253.799	ug/l	98
12) 1,1-Dichloroethene	3.73	96	842394	46.276	ug/l	91
13) Acrolein	3.61	56	467926	361.035	ug/l	100
14) Allyl chloride	4.32	41	1387016	48.256	ug/l	89
15) Acrylonitrile	4.99	53	1532504	247.980	ug/l	99
16) Acetone	3.82	43	1285320	251.395	ug/l	92
17) Carbon Disulfide	4.05	76	2549334	44.681	ug/l	99
18) Methyl Acetate	4.33	43	742004	47.597	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	2336705	50.347	ug/l	99
20) Methylene Chloride	4.55	84	961150	45.011	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	902350	46.822	ug/l	93
22) Diisopropyl ether	5.96	45	2826733	49.248	ug/l	94
23) Vinyl Acetate	5.90	43	9709919	259.497	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1686900	45.918	ug/l	99
25) 2-Butanone	6.84	43	1777272	258.881	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1419920	47.858	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1016528	47.443	ug/l	92
28) Bromochloromethane	7.19	49	743552	45.652	ug/l	85
29) Tetrahydrofuran	7.21	42	1127302	255.092	ug/l	93
30) Chloroform	7.37	83	1697780	46.437	ug/l	99
31) Cyclohexane	7.65	56	1534314	49.263	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1470324	47.133	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1333469	50.069	ug/l	98
37) Ethyl Acetate	6.93	43	784064	54.154	ug/l	97
38) Carbon Tetrachloride	7.77	117	1324581	48.041	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1452822	50.819	ug/l	96
40) Benzene	8.04	78	3926771	48.093	ug/l	99
41) Methacrylonitrile	7.18	41	411155	52.529	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1214765	48.156	ug/l	97
43) Isopropyl Acetate	8.17	43	1460919	52.811	ug/l	95
44) Trichloroethene	8.84	130	1044516	48.444	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1017133	47.577	ug/l	100
46) Dibromomethane	9.21	93	605817	48.871	ug/l	92
47) Bromodichloromethane	9.40	83	1303103	47.836	ug/l	97
48) Methyl methacrylate	9.20	41	707909	54.342	ug/l	87
49) 1,4-Dioxane	9.20	88	192937	1073.104	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	3885960	268.027	ug/l	94
52) Toluene	10.16	92	2438568	50.887	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1330170	51.043	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1549737	50.366	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	859733	48.124	ug/l	98
56) Ethyl methacrylate	10.43	69	1130031	54.830	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1451114	49.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1559794	213.890	ug/l	95
59) 2-Hexanone	10.75	43	2577167	275.717	ug/l	92
60) Dibromochloromethane	10.90	129	984962	49.399	ug/l	99
61) 1,2-Dibromoethane	11.01	107	836608	50.381	ug/l	100
64) Tetrachloroethene	10.63	164	1094793	50.070	ug/l	98
65) Chlorobenzene	11.44	112	2633032	47.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	965455	46.672	ug/l	99
67) Ethyl Benzene	11.51	91	4639986	50.890	ug/l	98
68) m/p-Xylenes	11.62	106	3561070	104.072	ug/l	97
69) o-Xylene	11.95	106	1702654	51.663	ug/l	96
70) Styrene	11.97	104	2796882	53.792	ug/l	97
71) Bromoform	12.13	173	668631	49.935	ug/l #	100
73) Isopropylbenzene	12.25	105	4565876	47.149	ug/l	98
74) N-amyl acetate	12.07	43	1204891	50.798	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	1008500	50.653	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	913086m	48.521	ug/l	
77) Bromobenzene	12.53	156	1140755	44.598	ug/l	90
78) n-propylbenzene	12.59	91	5224614	49.137	ug/l	98
79) 2-Chlorotoluene	12.68	91	3119052	46.296	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3722664	48.908	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	289048	48.545	ug/l	92
82) 4-Chlorotoluene	12.78	91	3139965	48.310	ug/l	97
83) tert-Butylbenzene	12.99	119	3147673	46.679	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3778271	49.968	ug/l	99
85) sec-Butylbenzene	13.17	105	4249209	47.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	3683715	49.125	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2013730	47.855	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1956701	46.915	ug/l	99
89) n-Butylbenzene	13.62	91	2961829	50.569	ug/l	97
90) Hexachloroethane	13.88	117	689043	48.504	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	1945121	47.130	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	153212	45.445	ug/l	85

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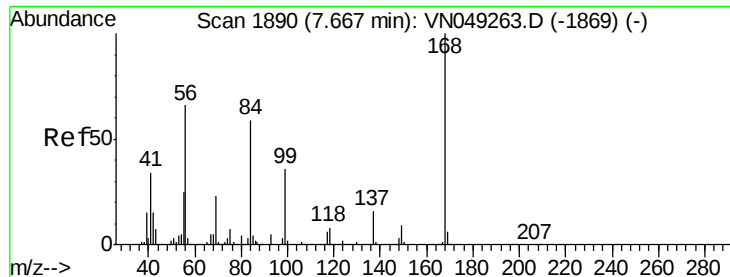
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	837836	44.835	ug/l	98
94) Hexachlorobutadiene	15.01	225	603740	50.013	ug/l	99
95) Naphthalene	15.14	128	1660000	49.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	841420	45.815	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1587625

Ion Ratio Lower Upper

168 100

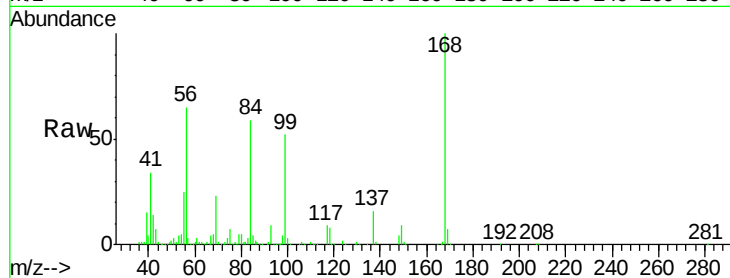
99 51.9 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

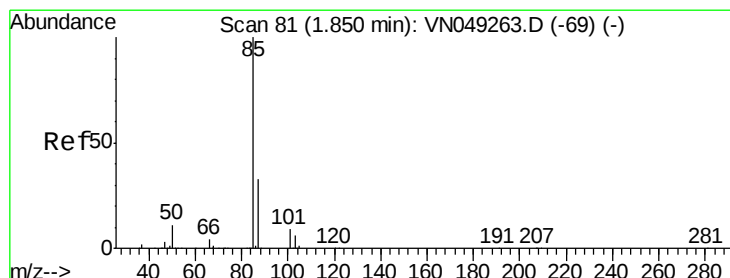
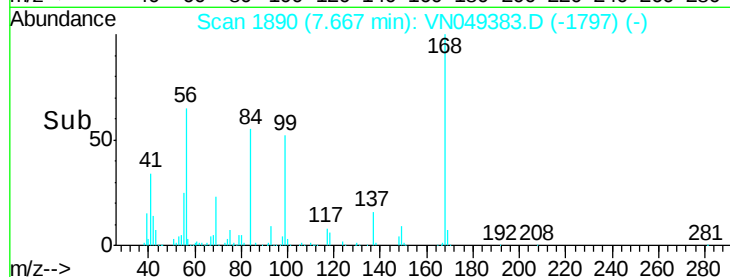
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.504 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049383.D

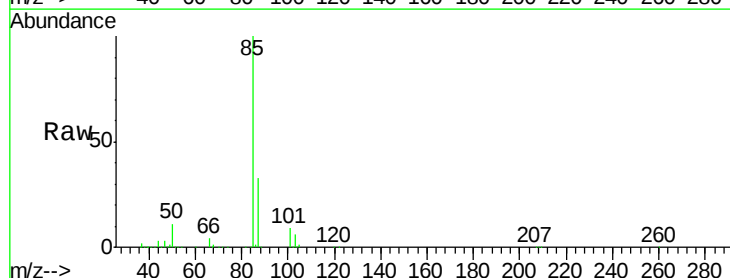
Acq: 19 Jun 2018 13:44

Tgt Ion: 85 Resp: 868063

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

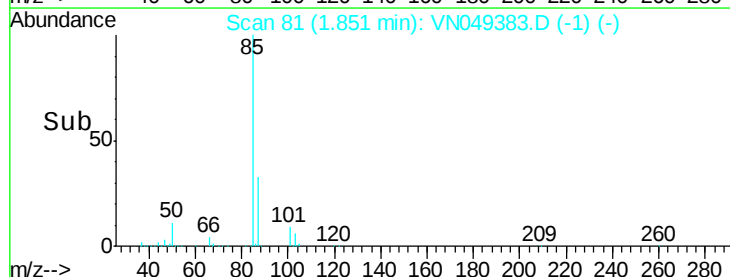
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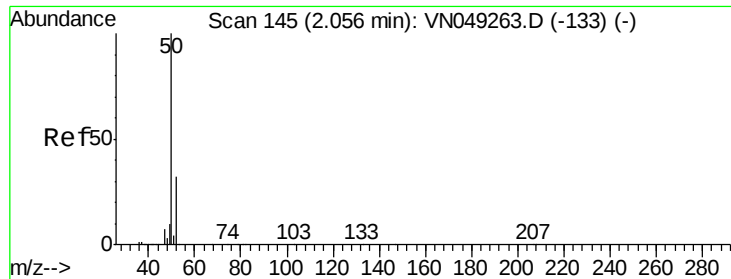
200000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.283 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 1044926

Ion Ratio Lower Upper

50 100

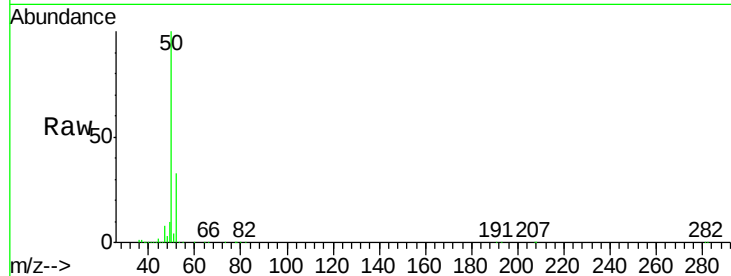
52 33.0 25.2 37.8

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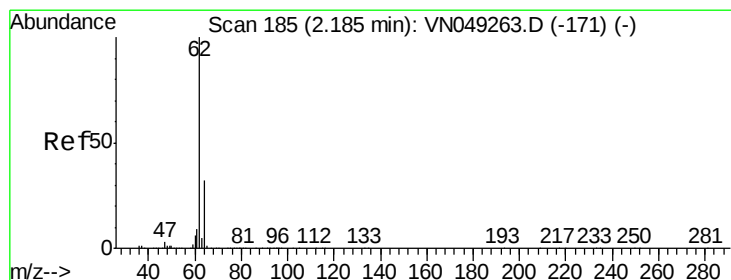
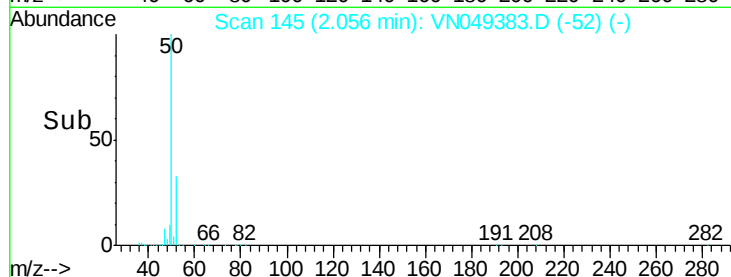
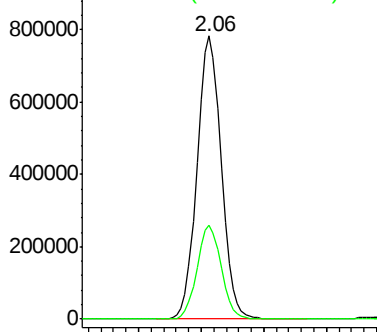
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.802 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049383.D

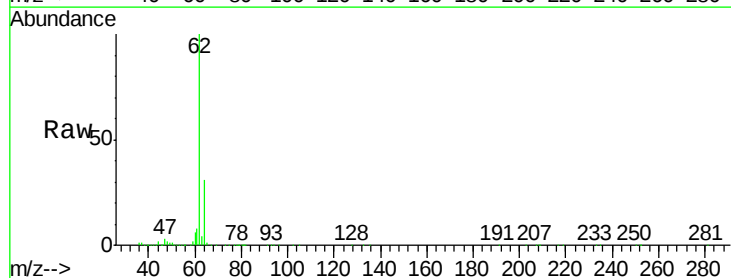
Acq: 19 Jun 2018 13:44

Tgt Ion: 62 Resp: 1148626

Ion Ratio Lower Upper

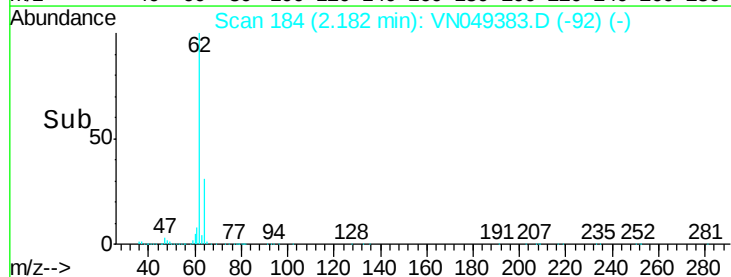
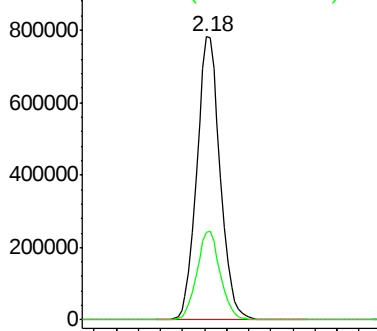
62 100

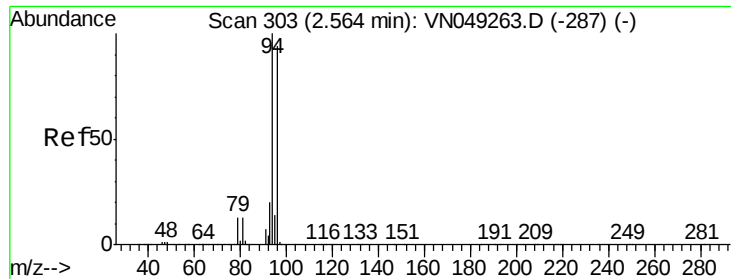
64 31.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.949 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 592570

Ion Ratio Lower Upper

94 100

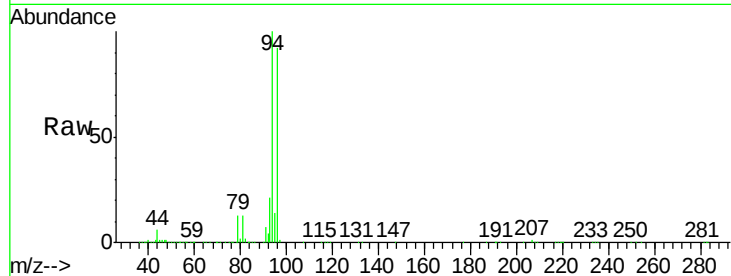
96 92.3 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

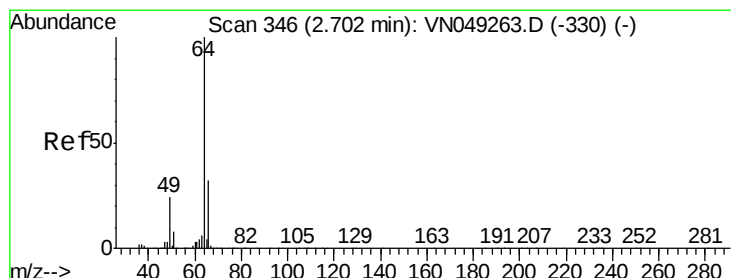
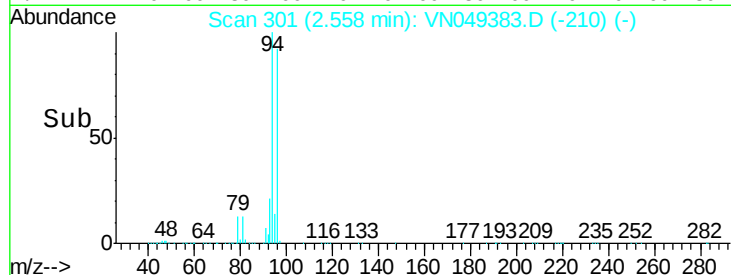
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 47.438 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049383.D

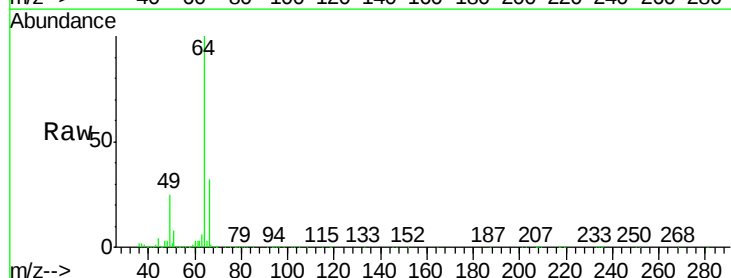
Acq: 19 Jun 2018 13:44

Tgt Ion: 64 Resp: 709326

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

400000

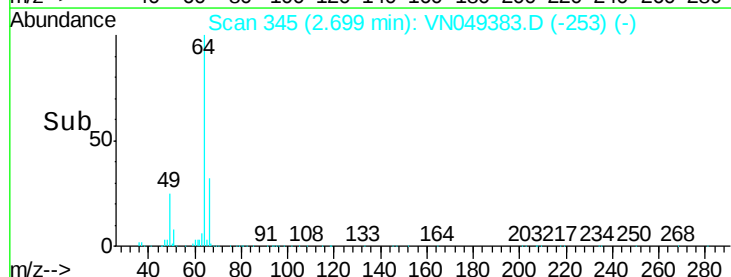
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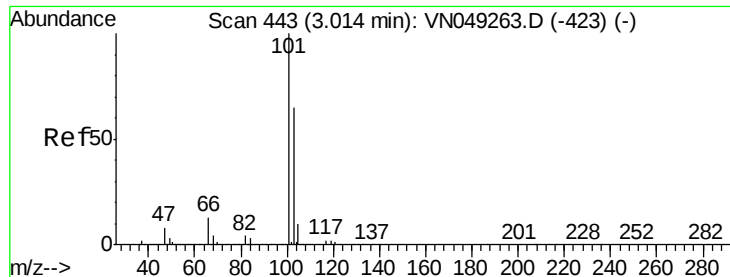
200000

100000

0

Time-->





#7

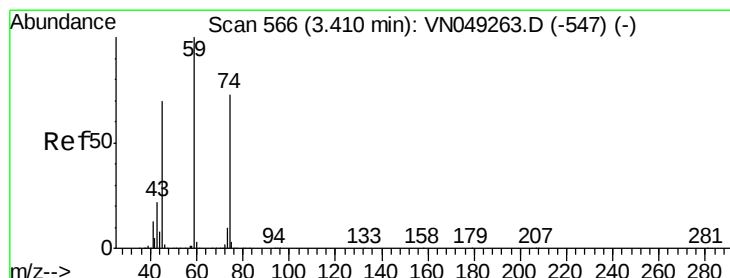
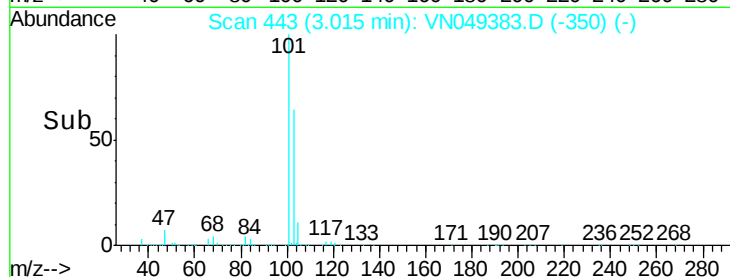
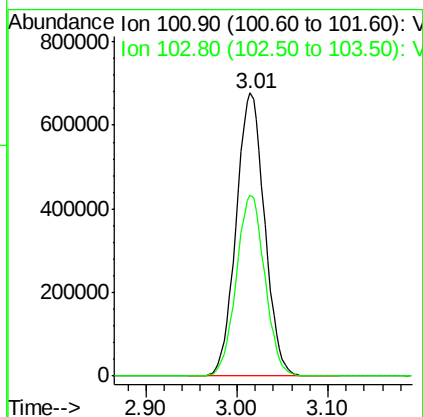
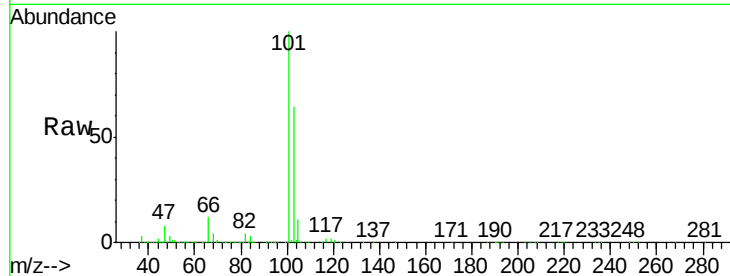
Trichlorofluoromethane
Concen: 46.979 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

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VSTDCCC050

Tot Ion:101 Resp: 1469767
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5

Manual Integrations
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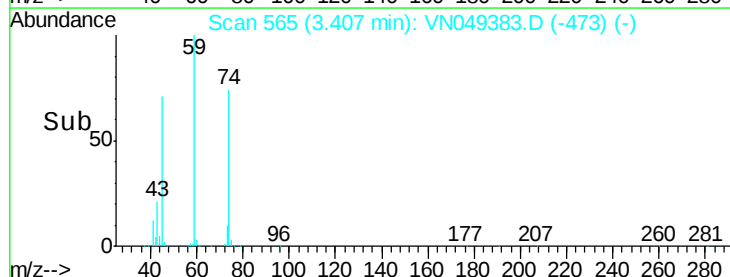
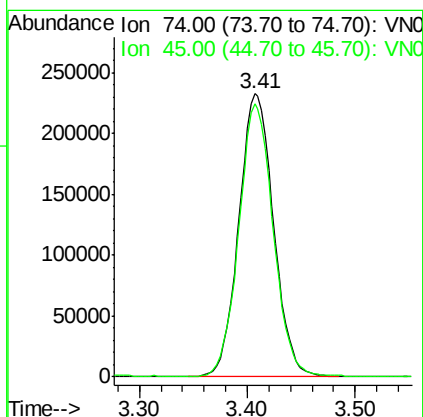
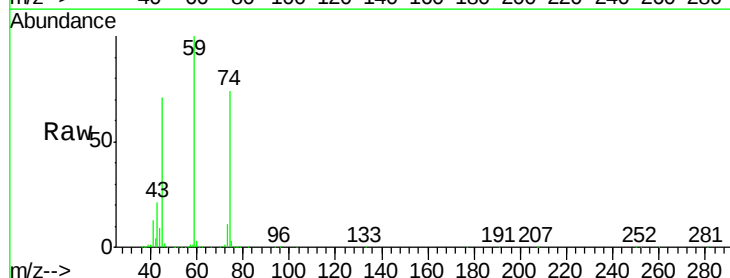
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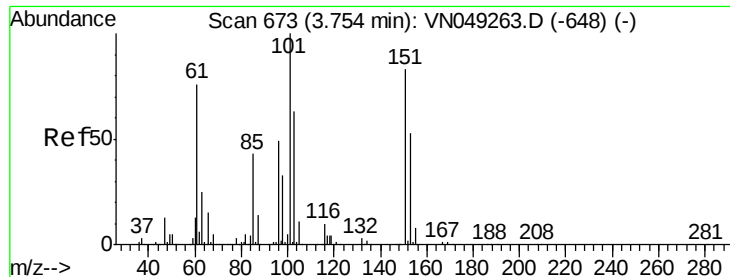


#8

Diethyl Ether
Concen: 47.728 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 74 Resp: 521316
Ion Ratio Lower Upper
74 100
45 95.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.393 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

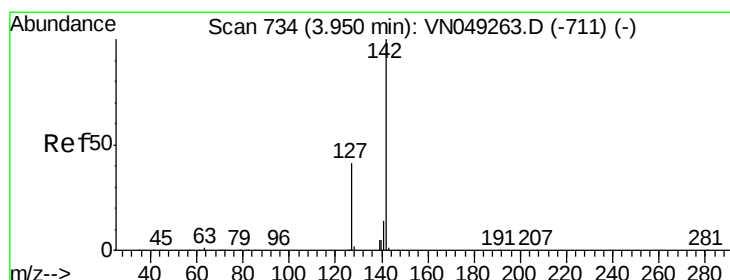
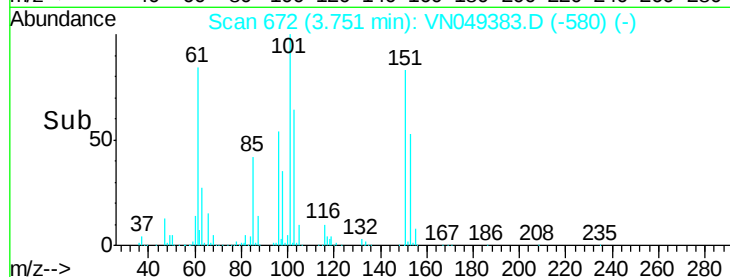
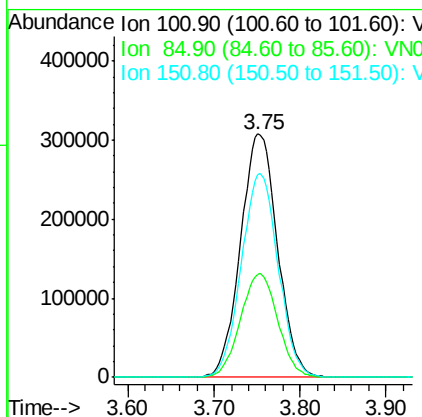
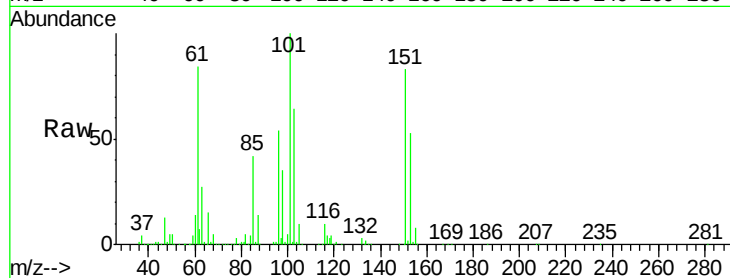
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	920559
Ion Ratio	Lower	Upper	
101	100		
85	42.9	37.6	56.4
151	83.4	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 47.461 ug/l

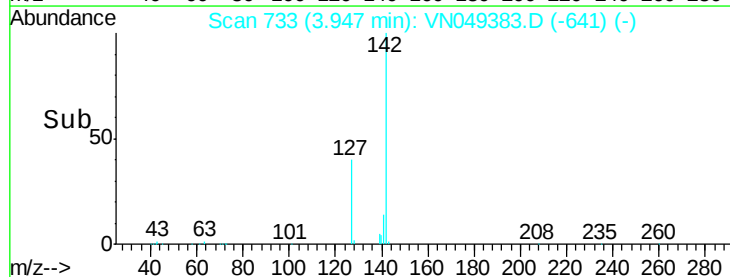
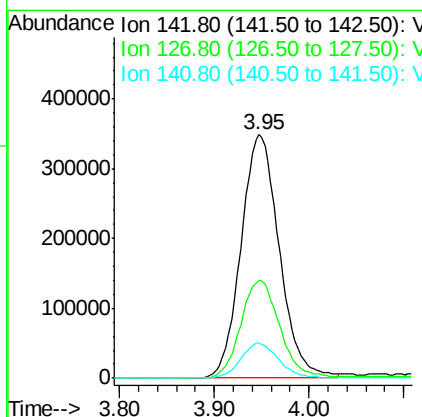
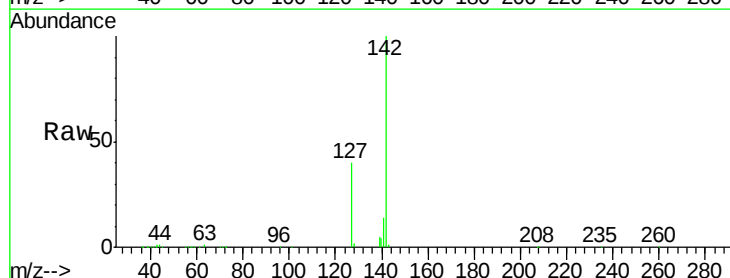
RT: 3.95 min Scan# 733

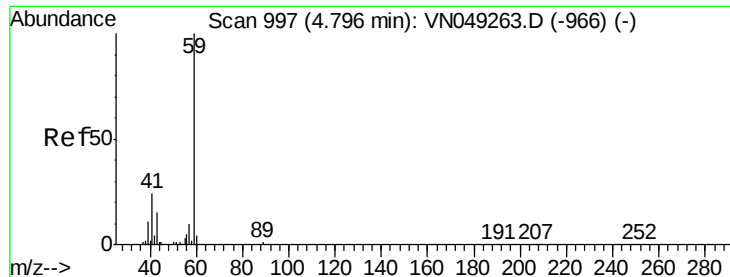
Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion:	142	Resp:	980386
Ion Ratio	Lower	Upper	
142	100		
127	41.0	38.2	57.4
141	14.1	11.9	17.9





#11

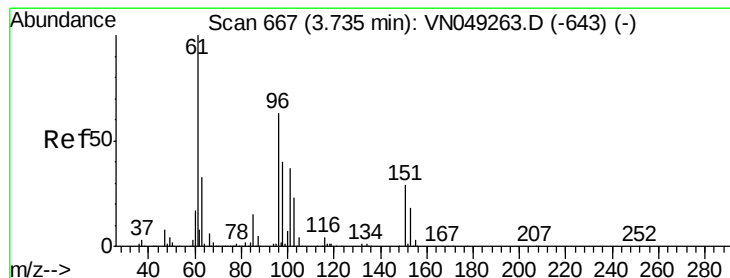
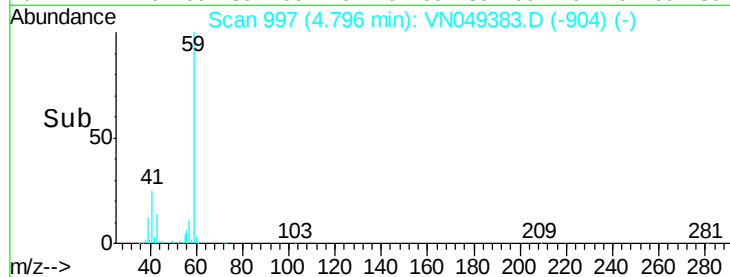
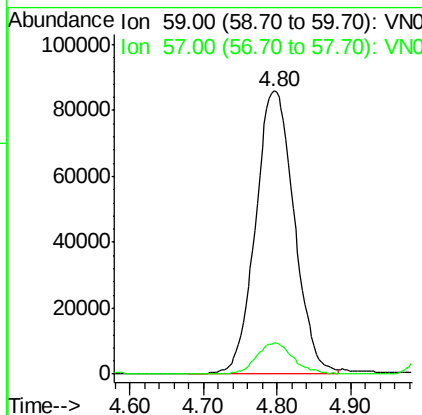
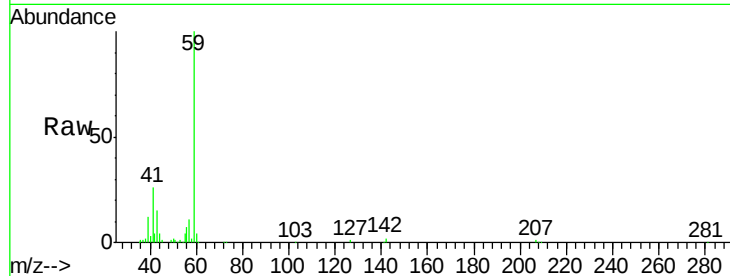
Tert butyl alcohol
 Concen: 253.799 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.6

Manual Integrations
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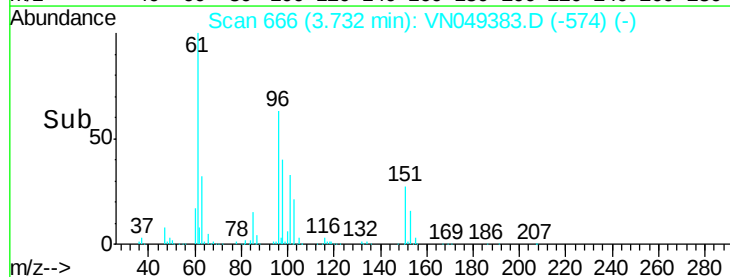
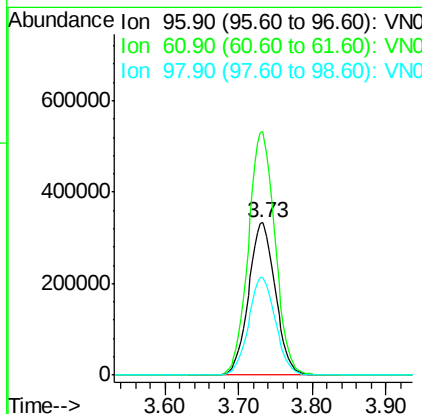
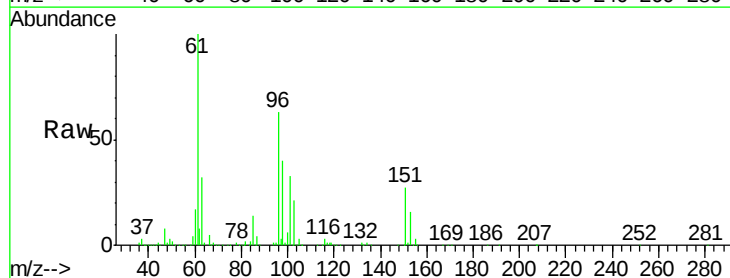
MMDadoda
 6/20/2018 4:53:59 PM

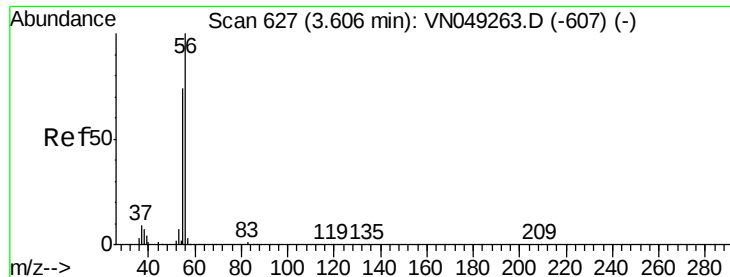


#12

1,1-Dichloroethene
 Concen: 46.276 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	141.0	211.4
98	63.8	50.4	75.6





#13

Acrolein

Concen: 361.035 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 467926

Ion Ratio Lower Upper

56 100

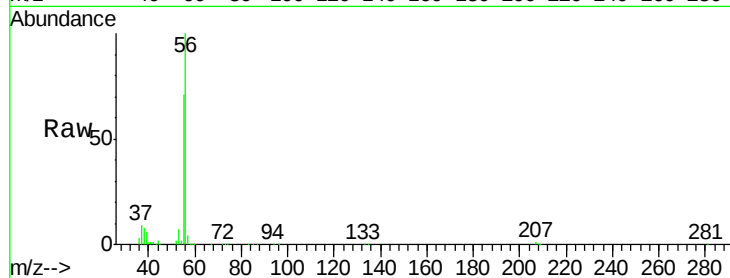
55 71.5 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

200000

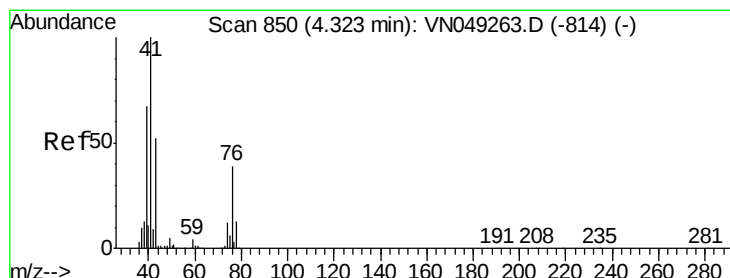
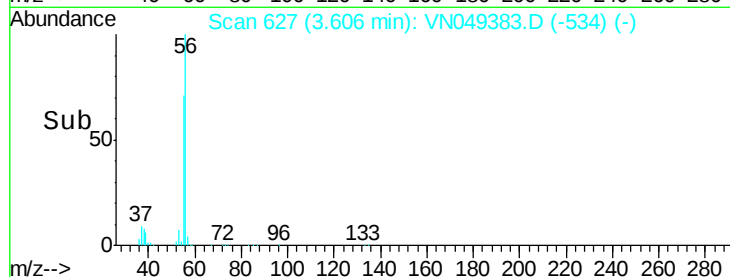
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 48.256 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

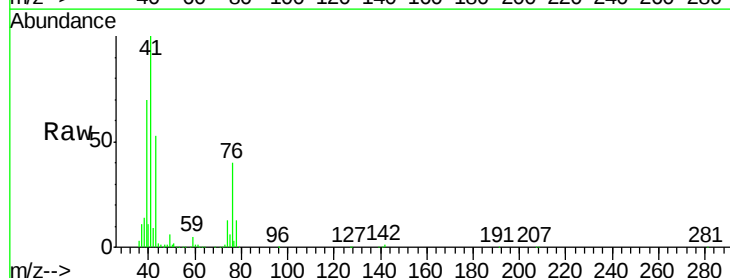
Tgt Ion: 41 Resp: 1387016

Ion Ratio Lower Upper

41 100

39 66.3 62.5 93.7

76 37.0 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

600000

500000

400000

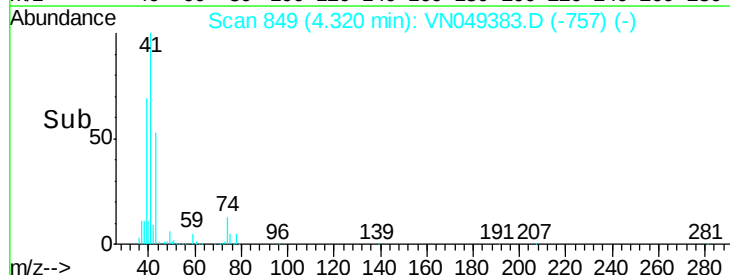
300000

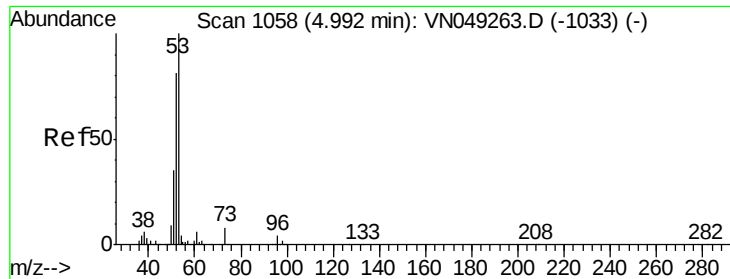
200000

100000

0

Time-->





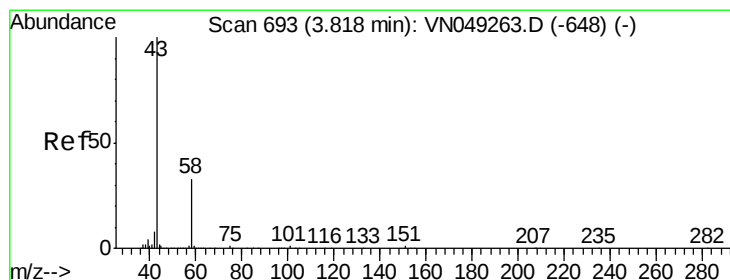
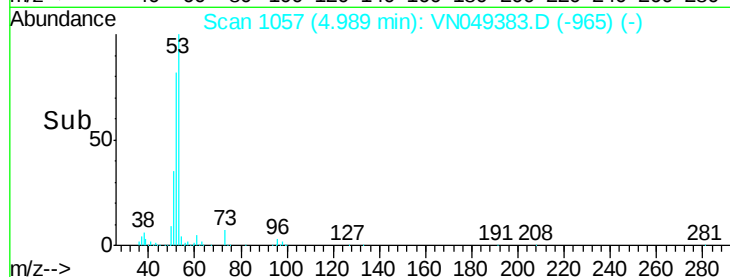
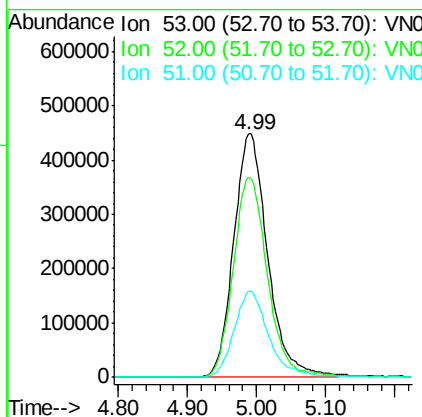
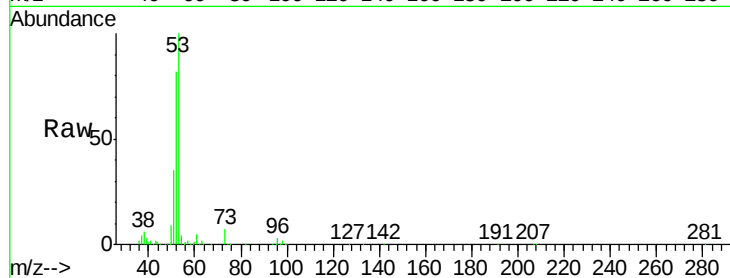
#15
 Acrylonitrile
 Concen: 247.980 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.2	29.8	44.8

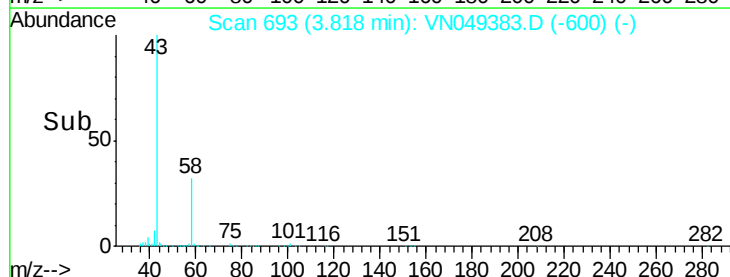
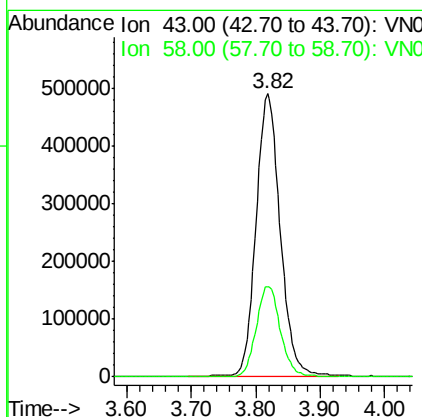
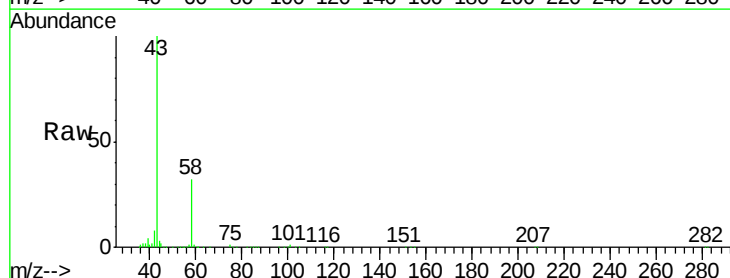
Manual Integrations
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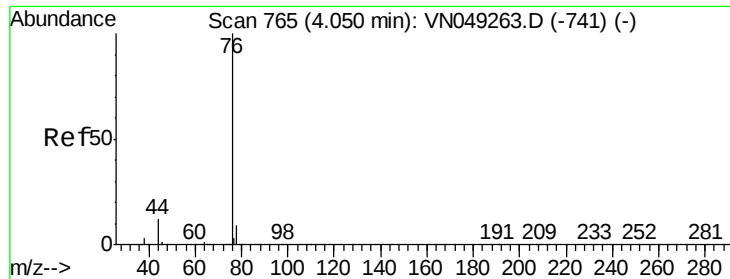
MMDadoda
 6/20/2018 4:53:59 PM



#16
 Acetone
 Concen: 251.395 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.4	33.6





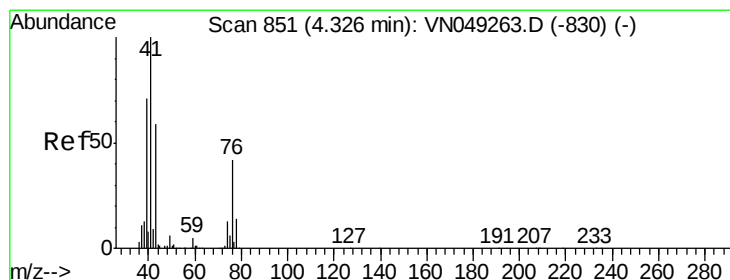
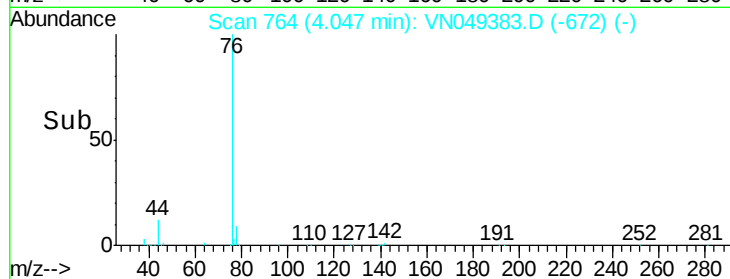
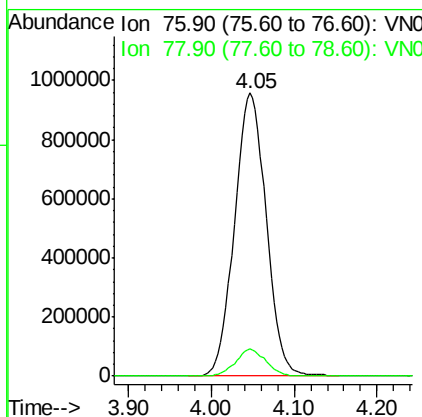
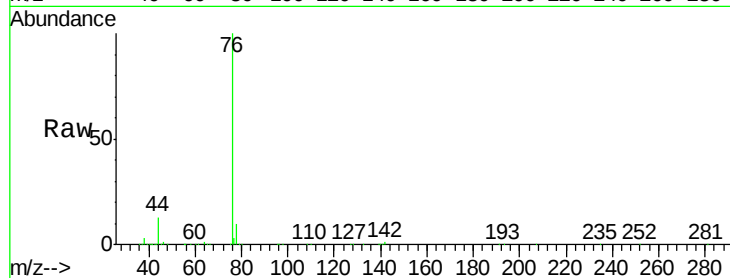
#17
Carbon Disulfide
Concen: 44.681 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2549334
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

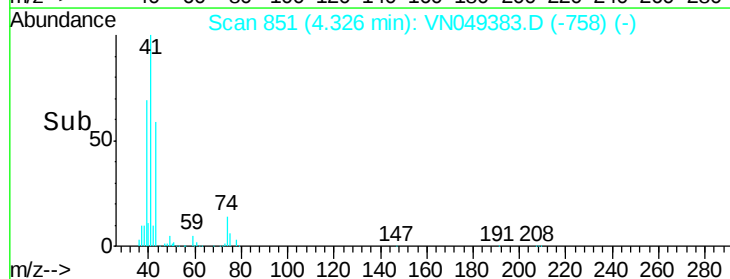
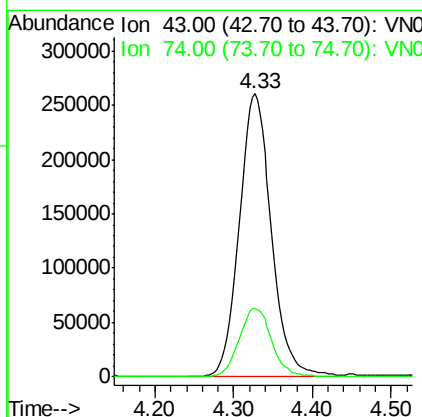
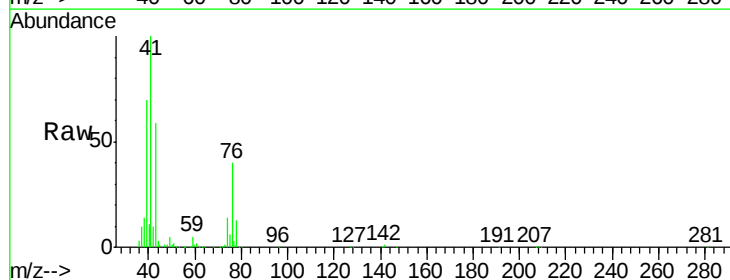
Manual Integrations
APPROVED

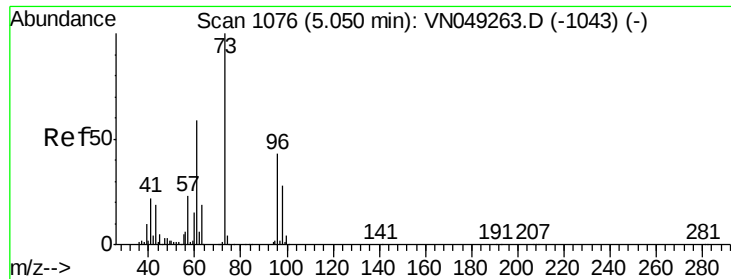
MMDadoda
6/20/2018 4:53:59 PM



#18
Methyl Acetate
Concen: 47.597 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 43 Resp: 742004
Ion Ratio Lower Upper
43 100
74 24.9 17.4 26.0





#19

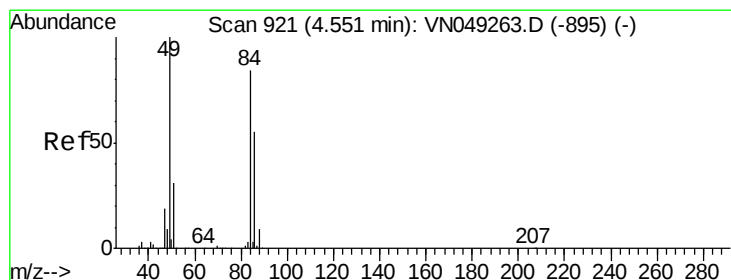
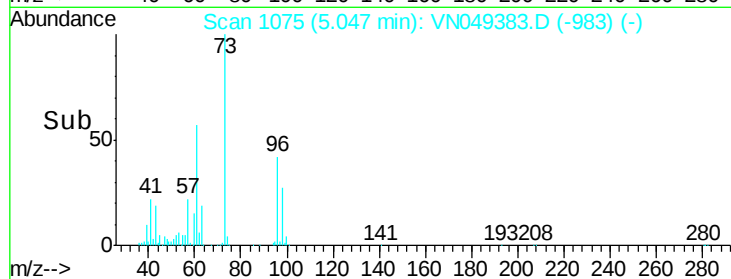
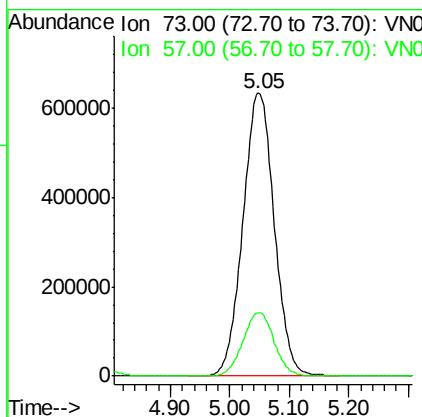
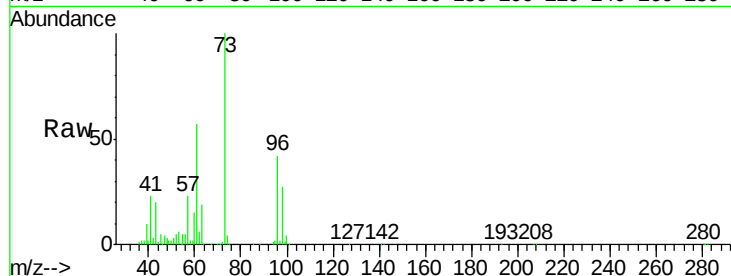
Methyl tert-butyl Ether
 Concen: 50.347 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 2336705
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.2 27.4

Manual Integrations
 APPROVED

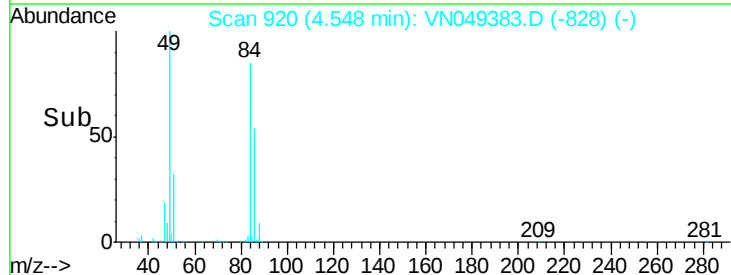
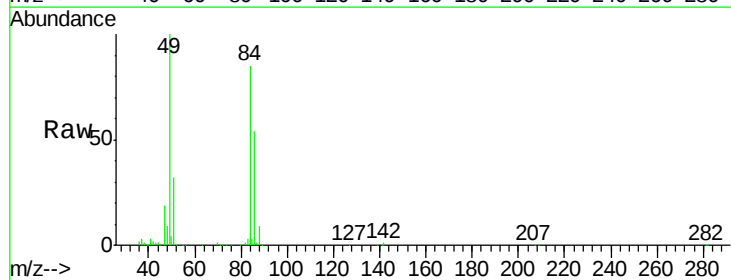
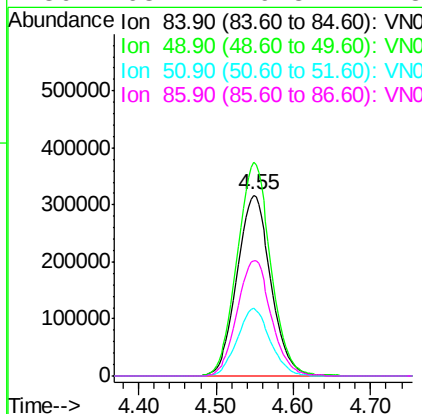
MMDadoda
 6/20/2018 4:53:59 PM

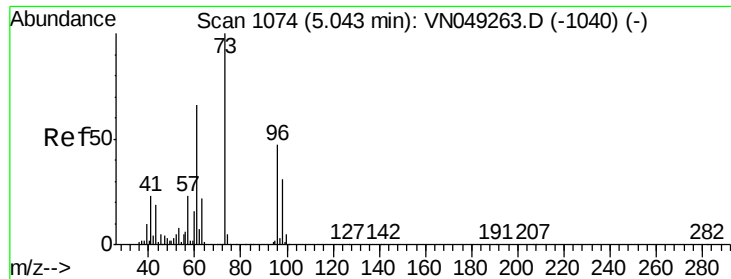


#20

Methylene Chloride
 Concen: 45.011 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 84 Resp: 961150
 Ion Ratio Lower Upper
 84 100
 49 118.3 106.9 160.3
 51 37.3 32.7 49.1
 86 63.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.822 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

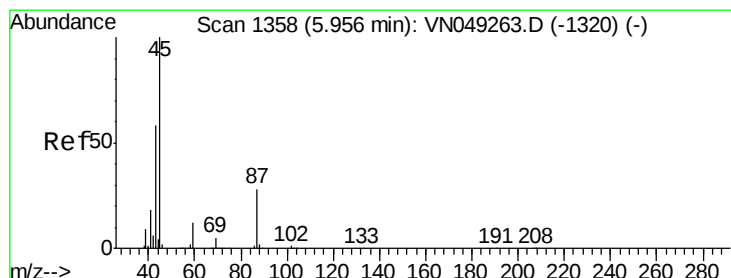
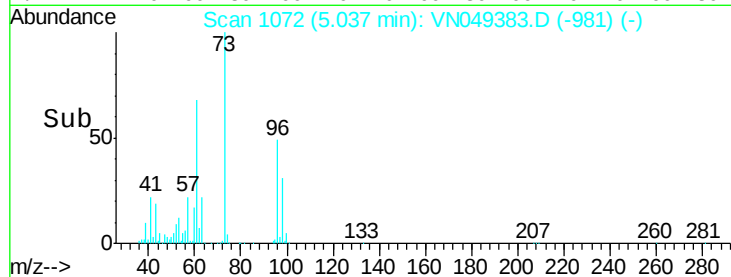
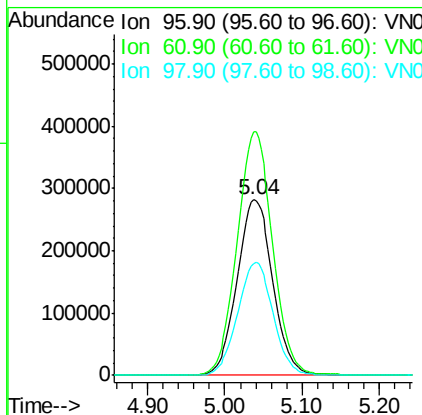
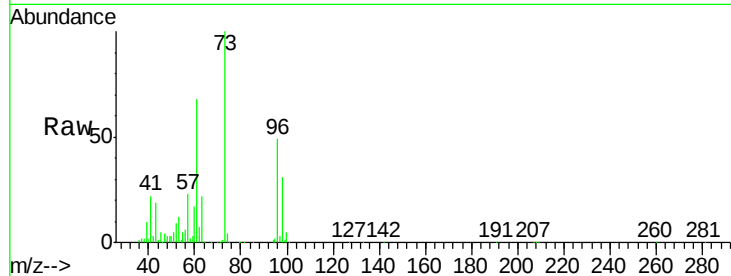
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	902350
Ion	Ratio	Lower	Upper
96	100		
61	138.9	121.3	181.9
98	64.1	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.248 ug/l

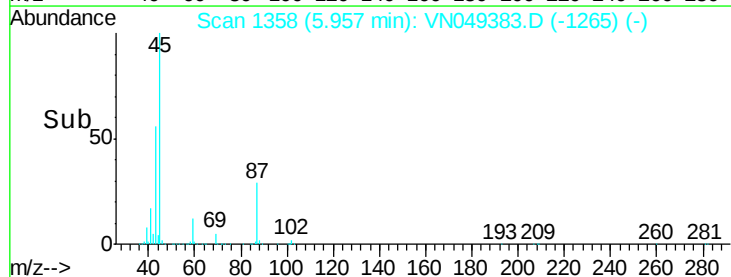
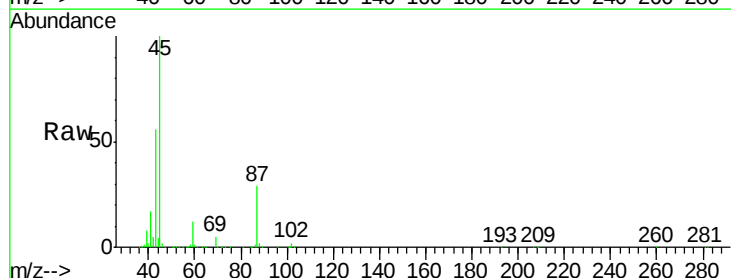
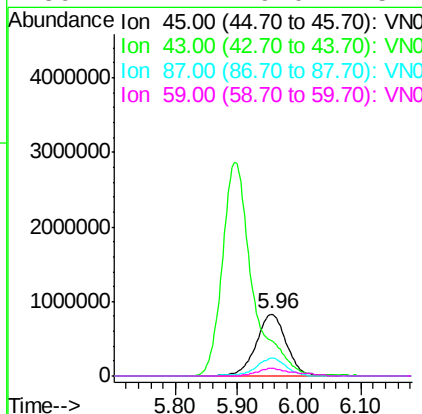
RT: 5.96 min Scan# 1358

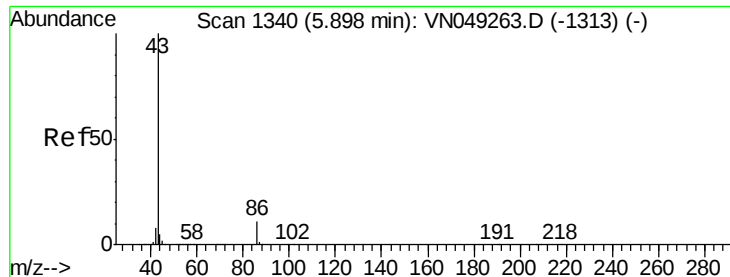
Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion:	45	Resp:	2826733
Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.6	72.8
87	28.2	20.2	30.2
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 259.497 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9709919

Ion Ratio Lower Upper

43 100

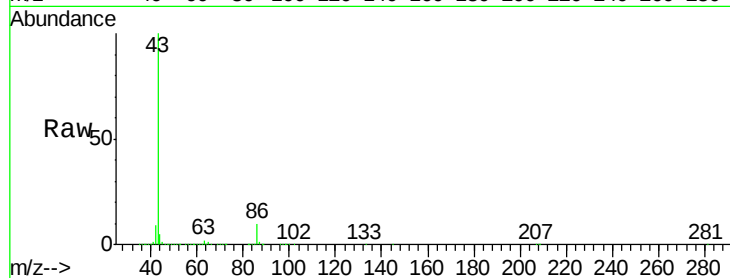
86 10.4 7.2 10.8

Manual Integrations

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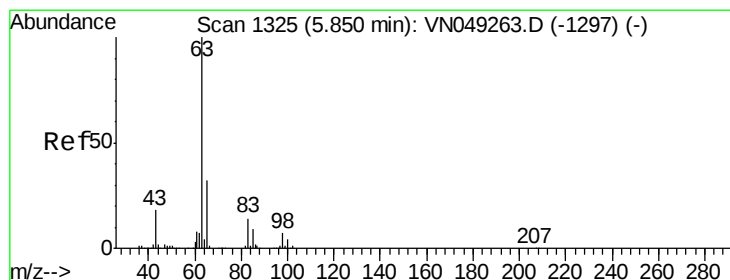
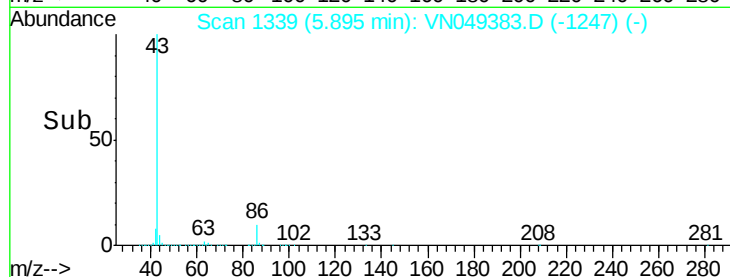
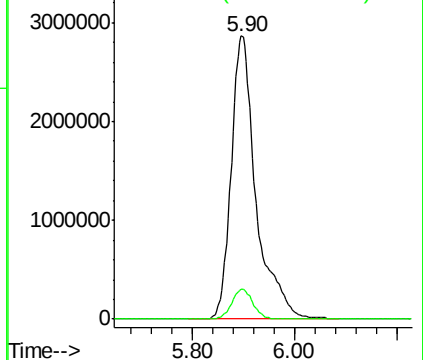
MMDadoda

6/20/2018 4:53:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.918 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

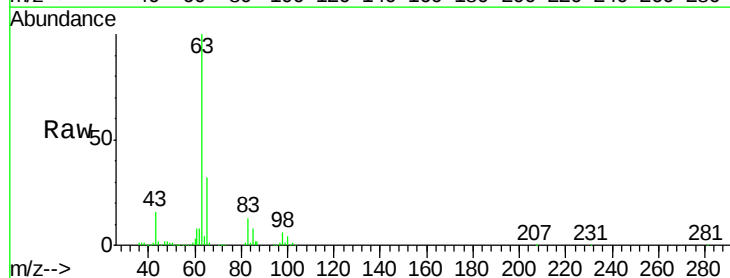
Tgt Ion: 63 Resp: 1686900

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

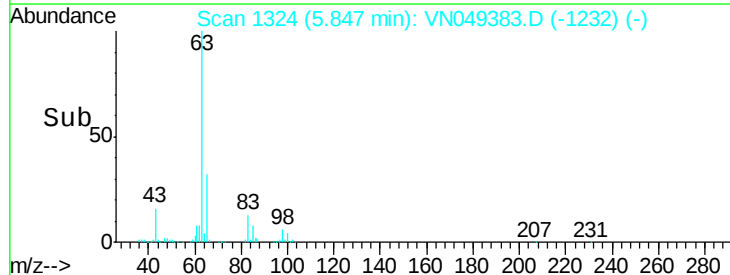
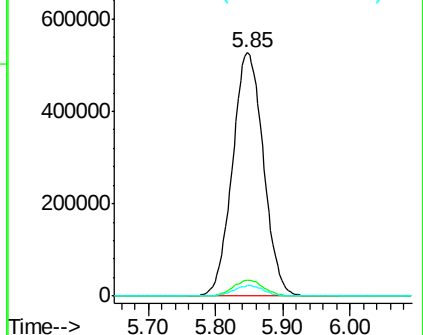
100 4.2 2.1 6.3

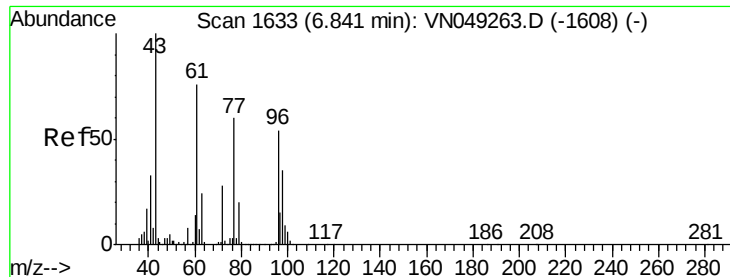


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





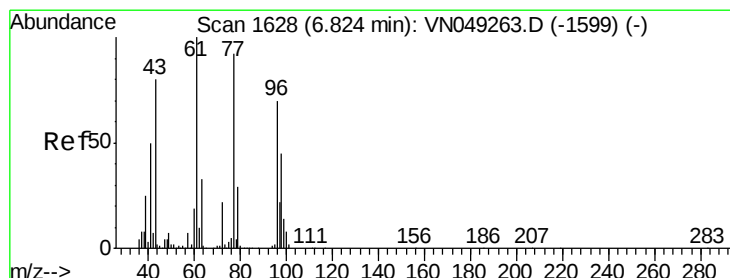
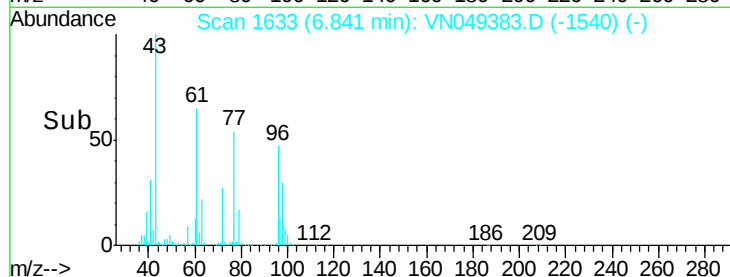
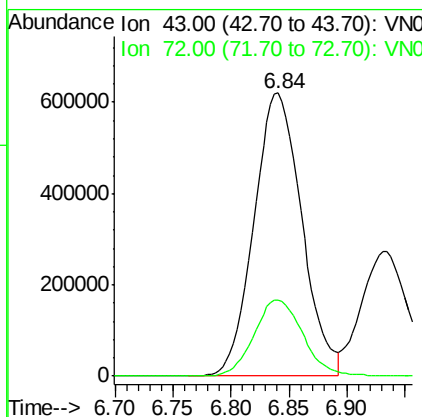
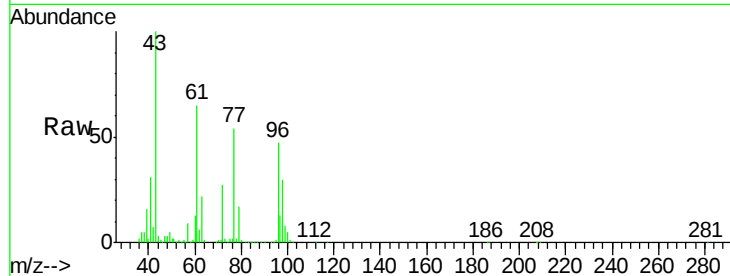
#25
2-Butanone
Concen: 258.881 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1777272
Ion Ratio Lower Upper
43 100
72 26.8 20.2 30.2

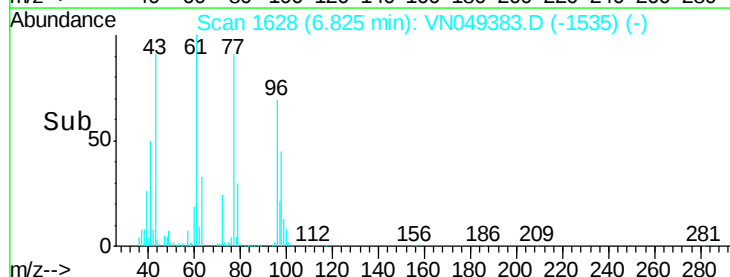
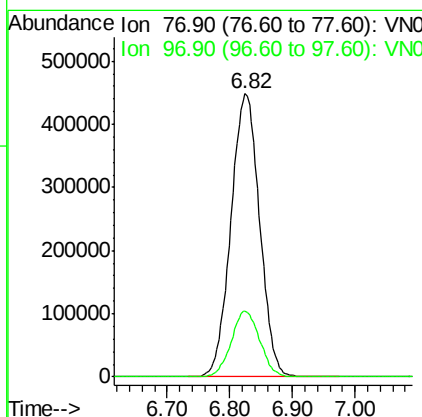
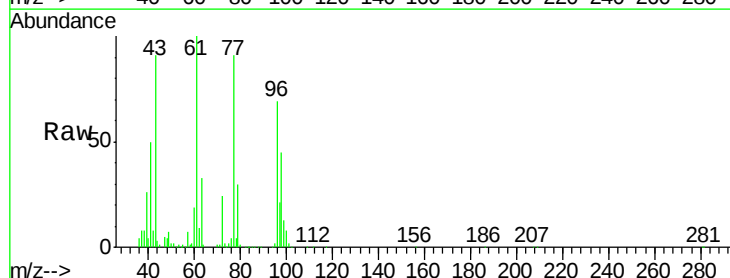
Manual Integrations
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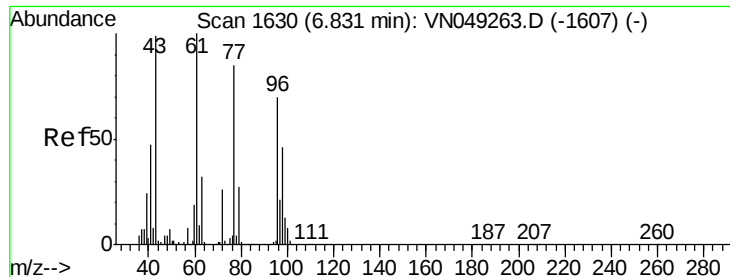
MMDadoda
6/20/2018 4:53:59 PM



#26
2,2-Dichloropropane
Concen: 47.858 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 77 Resp: 1419920
Ion Ratio Lower Upper
77 100
97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.443 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 1016528

Ion Ratio Lower Upper

96 100

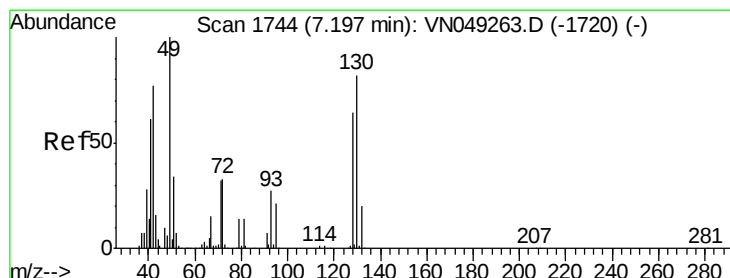
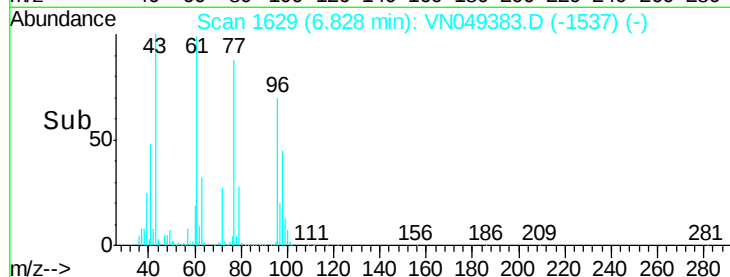
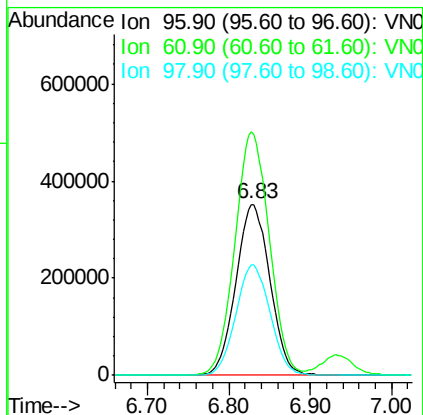
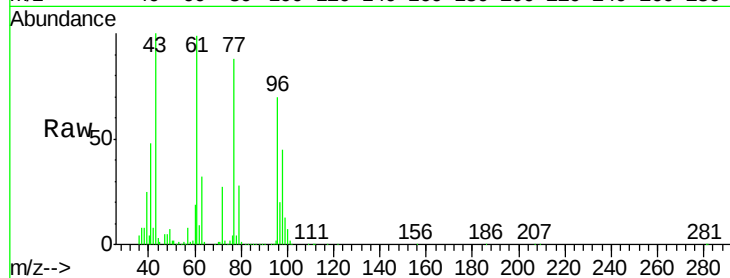
61 144.0 0.0 316.4

98 65.2 0.0 128.4

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6/20/2018 4:53:59 PM



#28

Bromochloromethane

Concen: 45.652 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

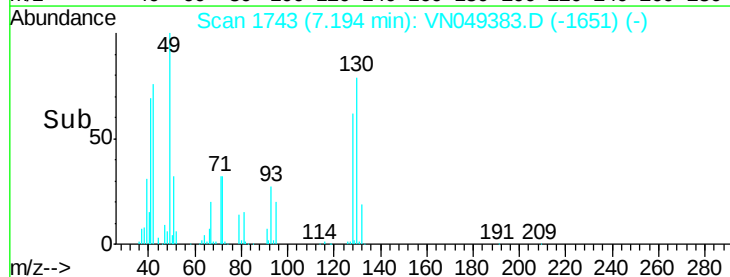
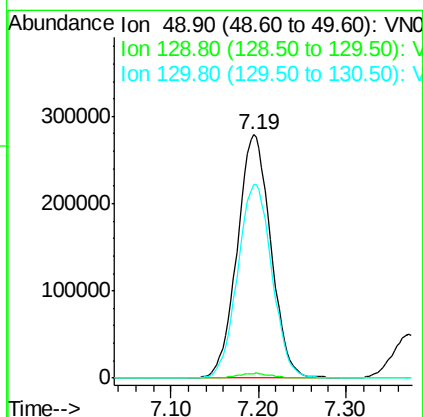
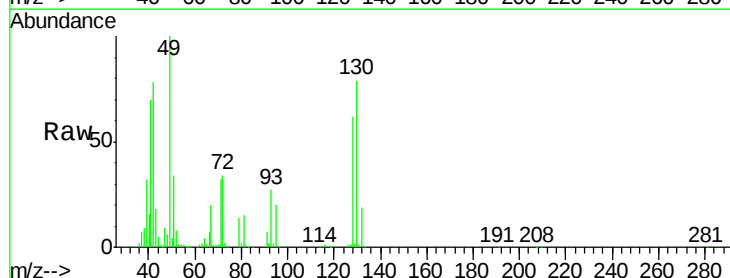
Tgt Ion: 49 Resp: 743552

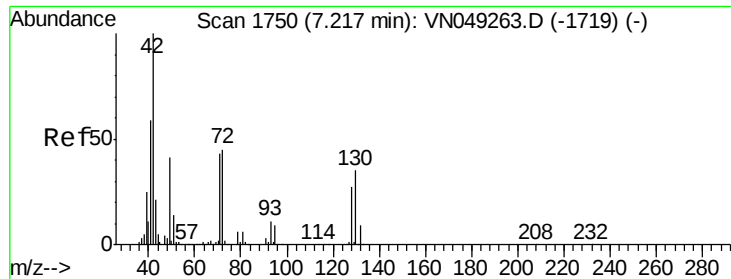
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 81.1 54.9 82.3





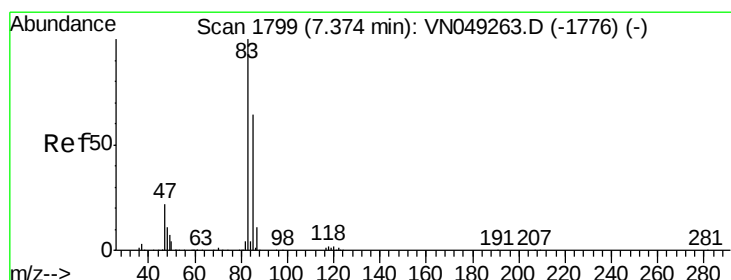
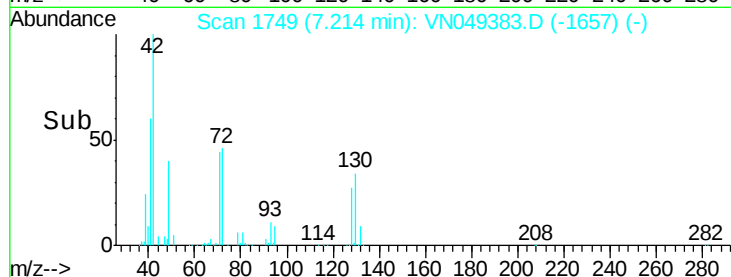
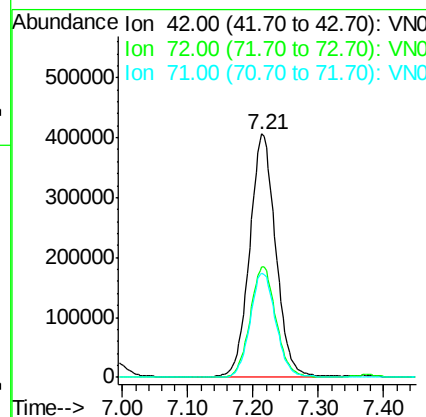
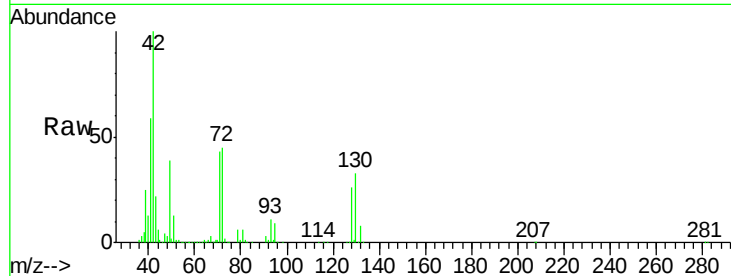
#29
Tetrahydrofuran
Concen: 255.092 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 1127302
Ion Ratio Lower Upper
42 100
72 44.8 32.2 48.4
71 42.3 30.5 45.7

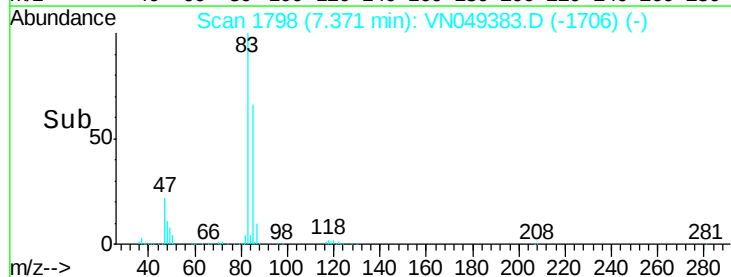
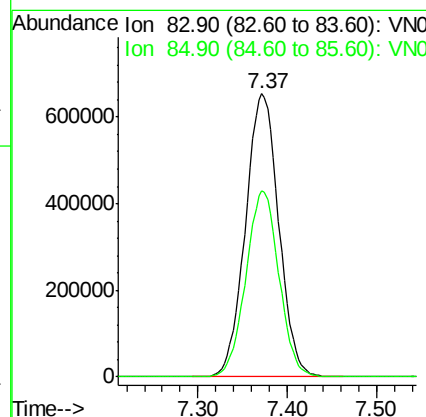
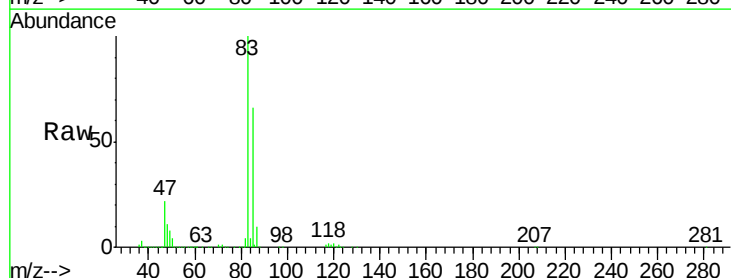
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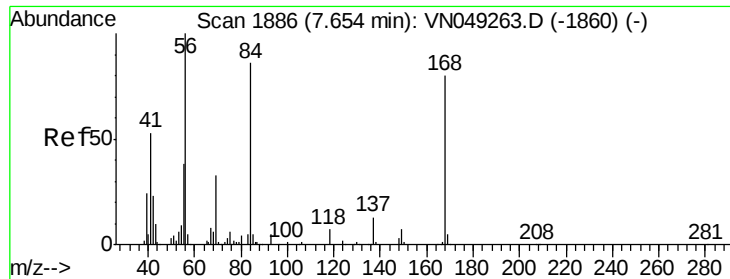
MMDadoda
6/20/2018 4:53:59 PM



#30
Chloroform
Concen: 46.437 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 83 Resp: 1697780
Ion Ratio Lower Upper
83 100
85 65.6 51.7 77.5





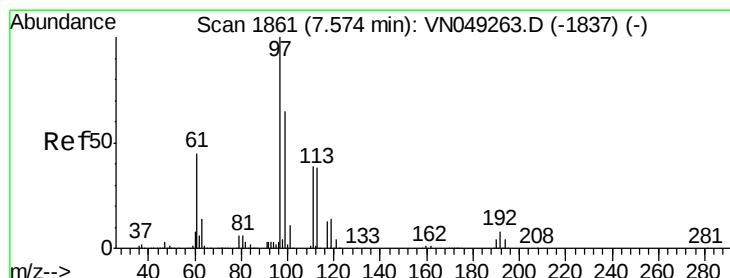
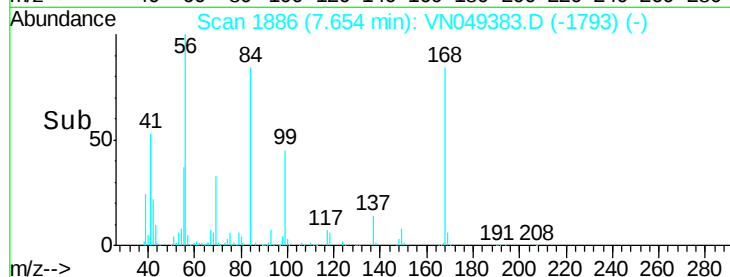
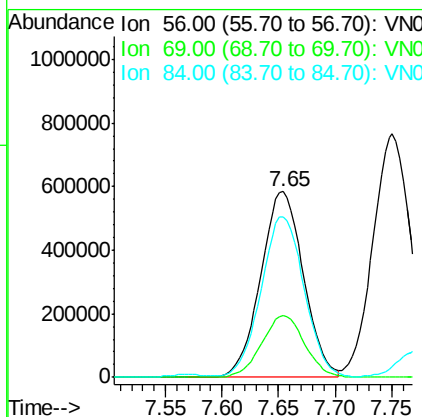
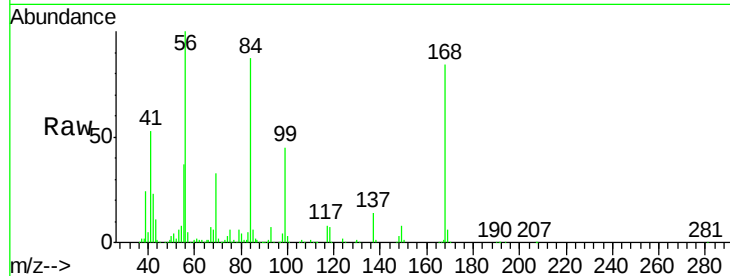
#31
Cyclohexane
Concen: 49.263 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1534314
Ion Ratio Lower Upper
56 100
69 33.5 25.0 37.4
84 85.4 64.6 96.8

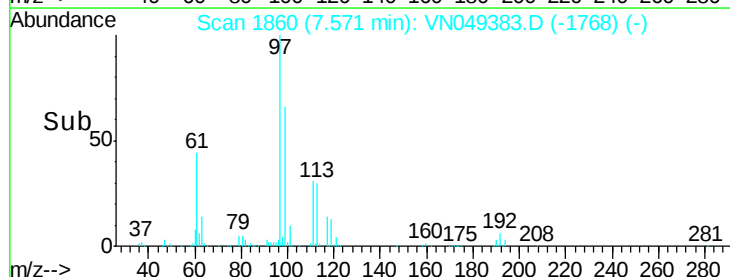
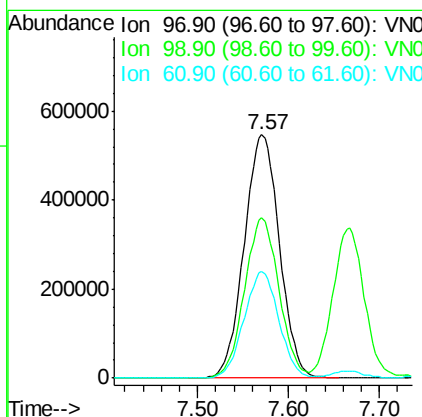
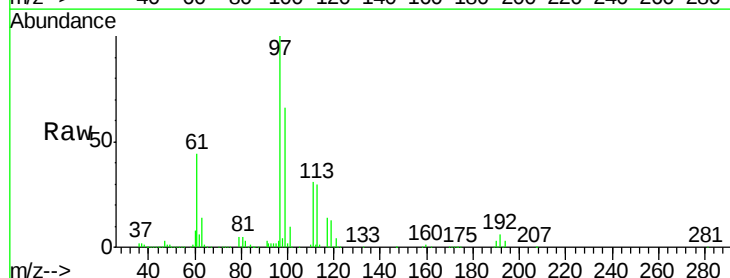
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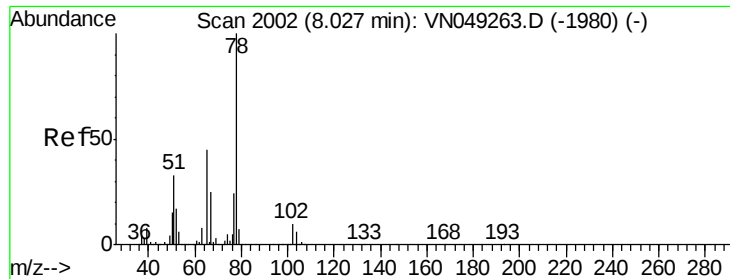
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#32
1,1,1-Trichloroethane
Concen: 47.133 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 97 Resp: 1470324
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 43.3 37.9 56.9





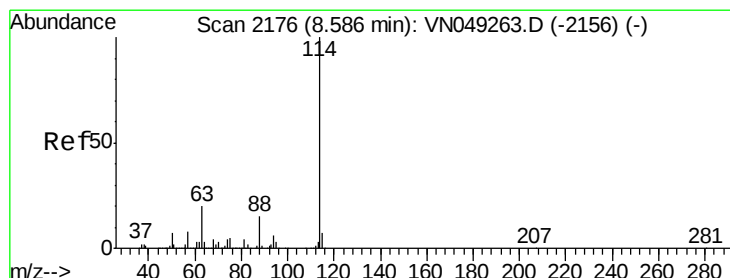
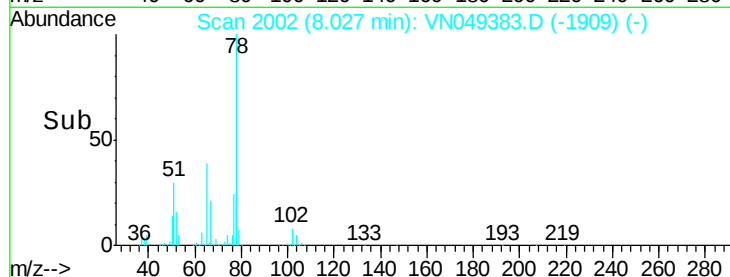
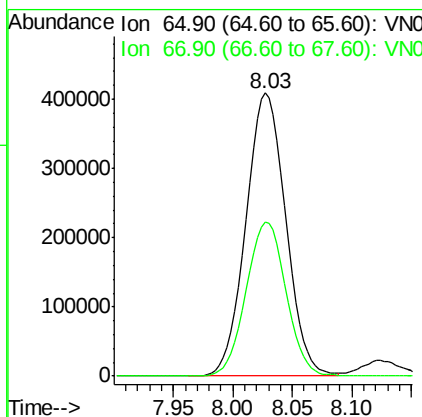
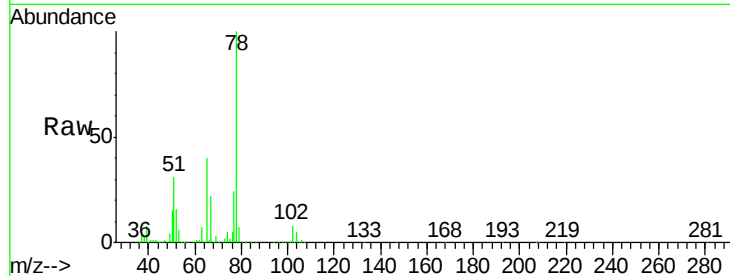
#33
 1,2-Dichloroethane-d4
 Concen: 45.128 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.8

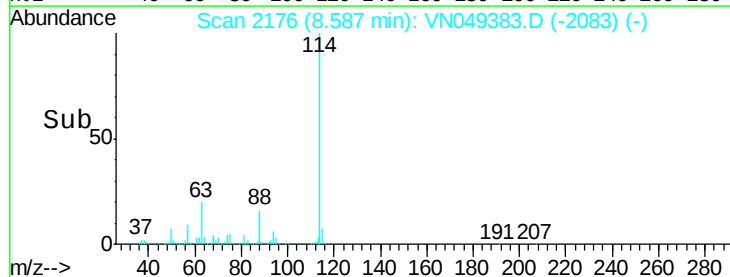
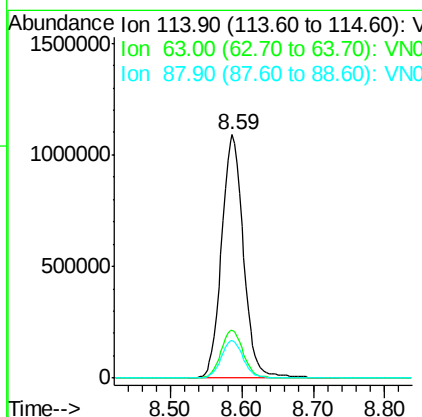
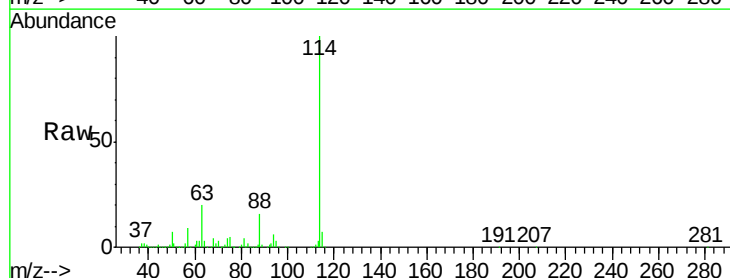
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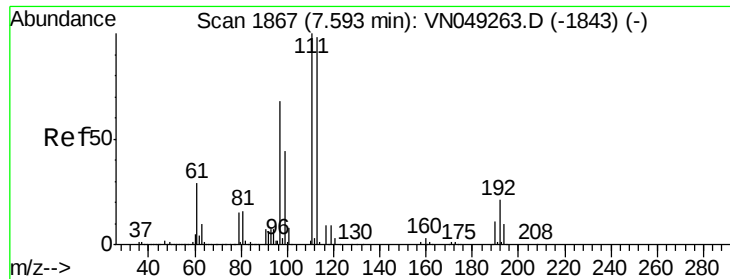
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	44.4
88	15.6	0.0	31.4





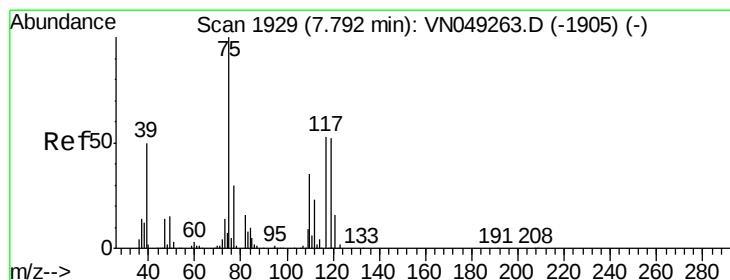
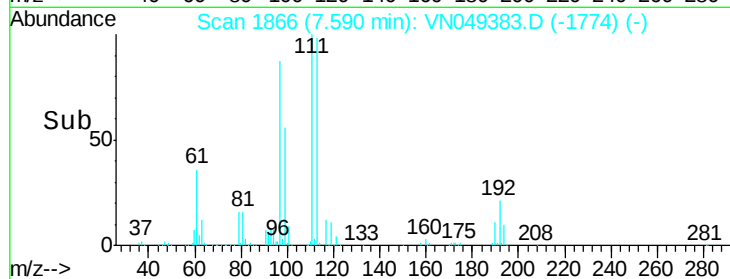
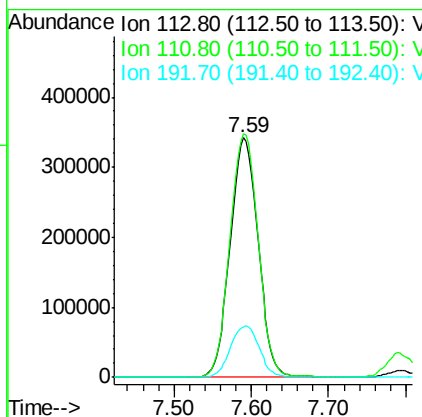
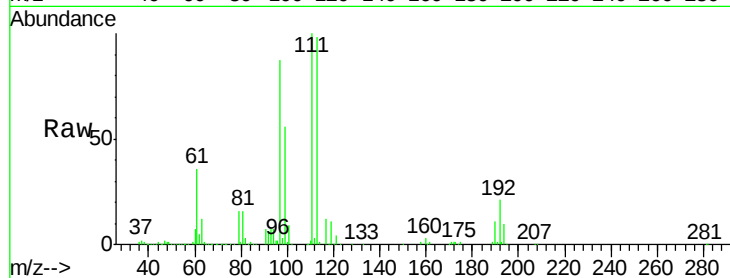
#35
 Dibromofluoromethane
 Concen: 45.711 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.4	123.6	
192	22.1	15.0	22.6	

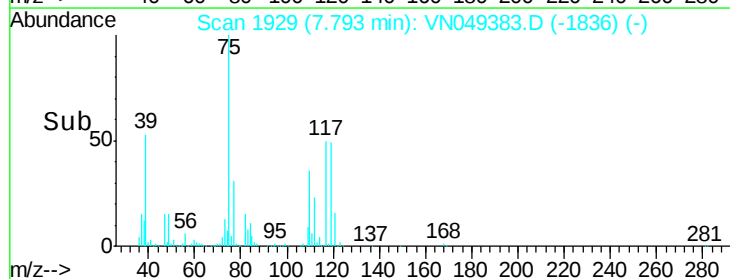
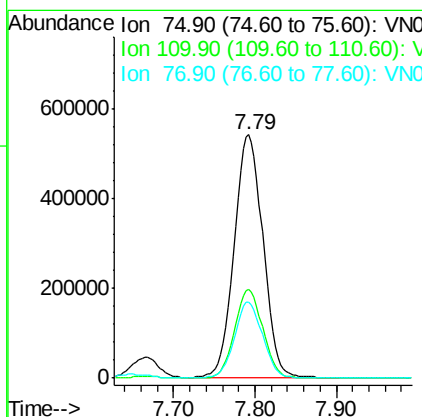
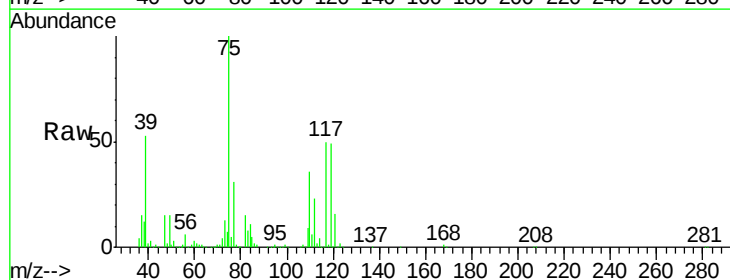
Manual Integrations
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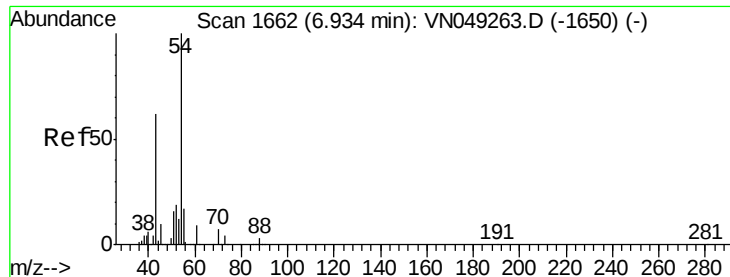
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.069 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	17.0	50.9	
77	30.5	24.4	36.6	





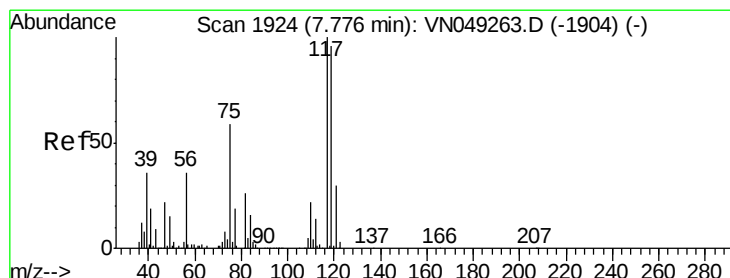
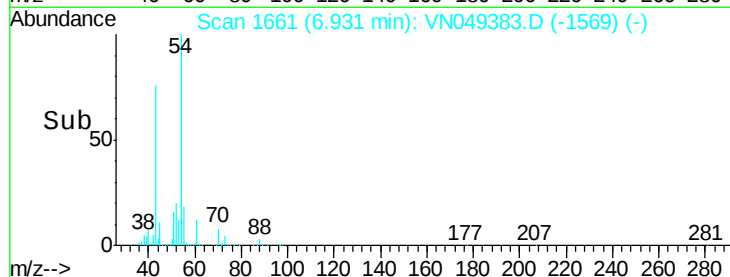
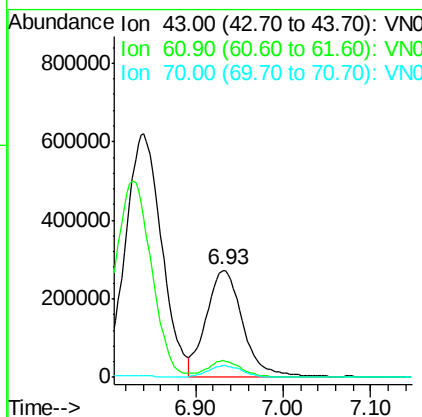
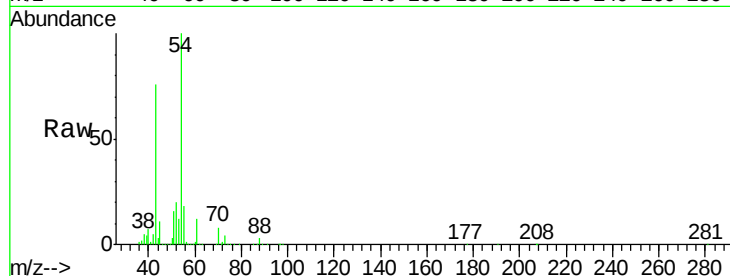
#37
Ethyl Acetate
Concen: 54.154 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	10.5	7.2	10.8

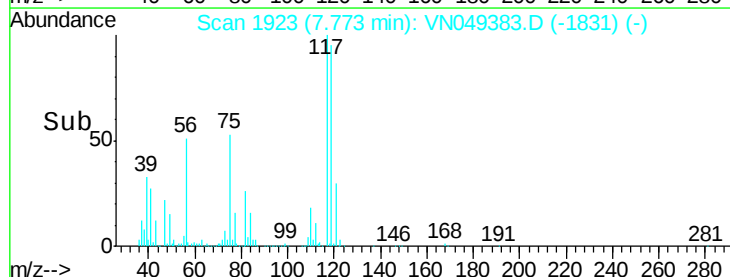
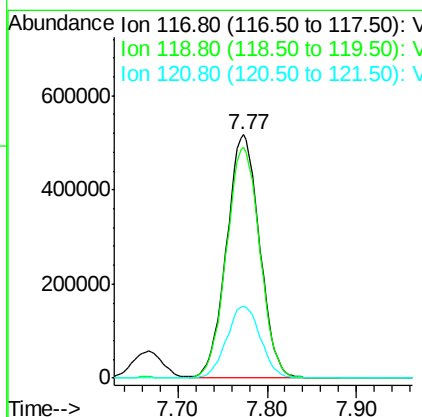
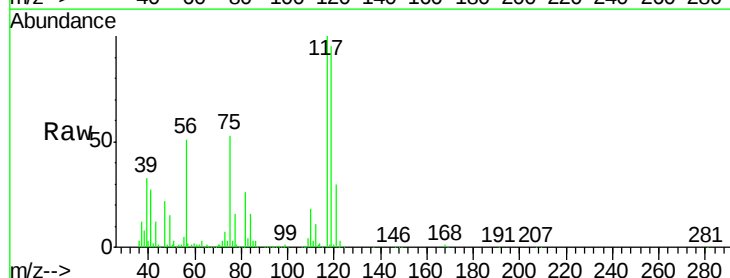
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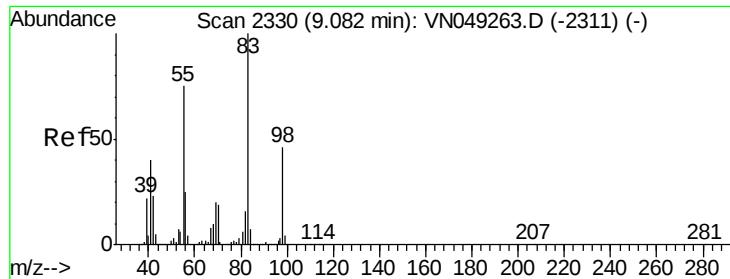
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#38
Carbon Tetrachloride
Concen: 48.041 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.6	113.4
121	29.6	24.7	37.1





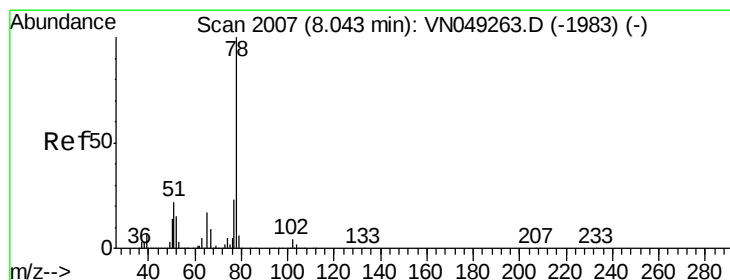
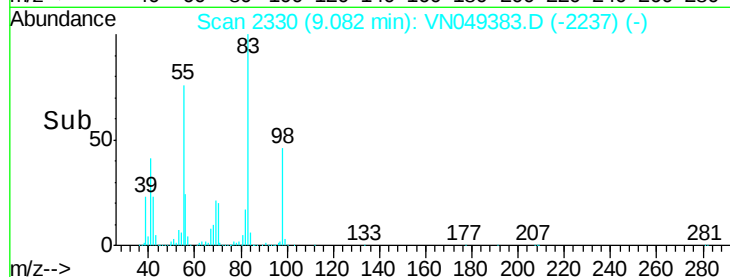
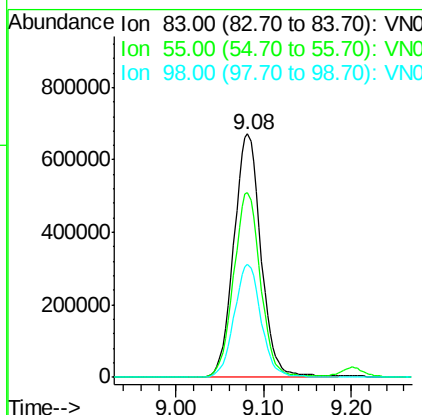
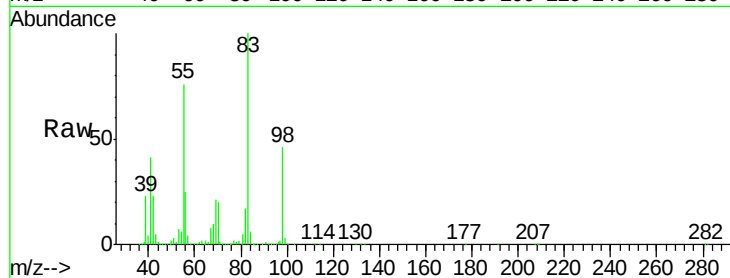
#39
Methvlcvclohexane
Concen: 50.819 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	65.1	97.7
98	46.3	36.5	54.7

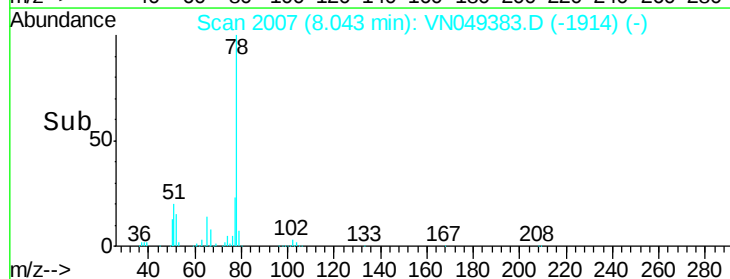
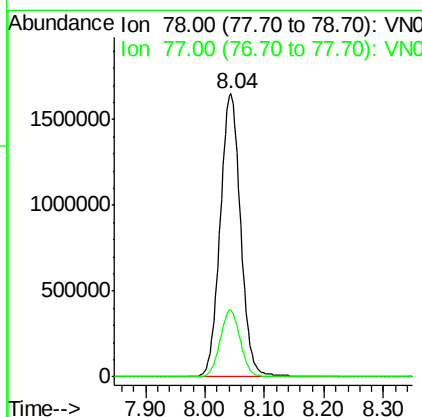
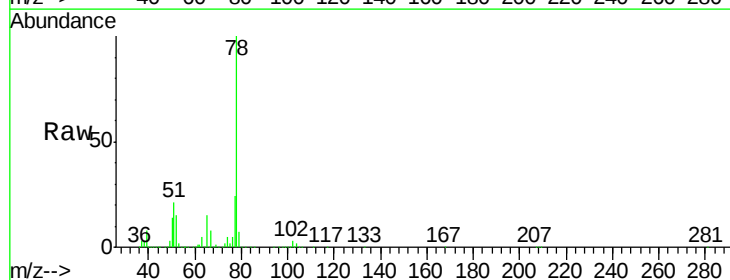
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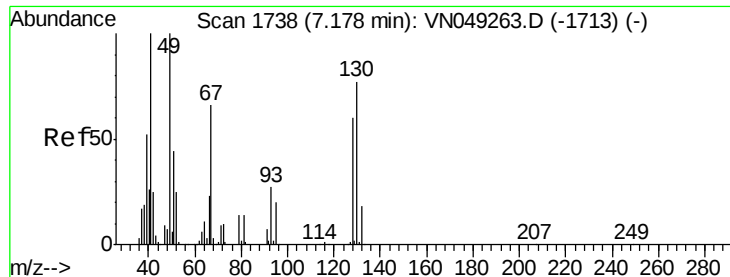
MMDadoda
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#40
Benzene
Concen: 48.093 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





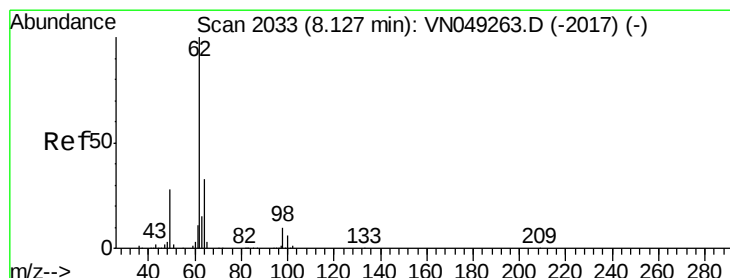
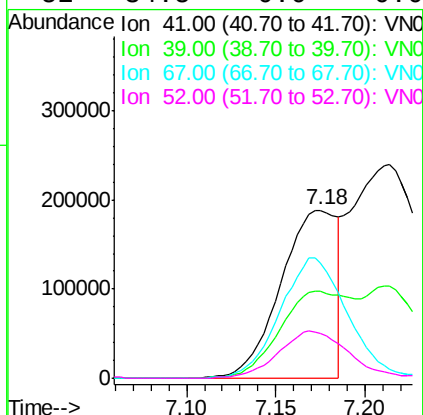
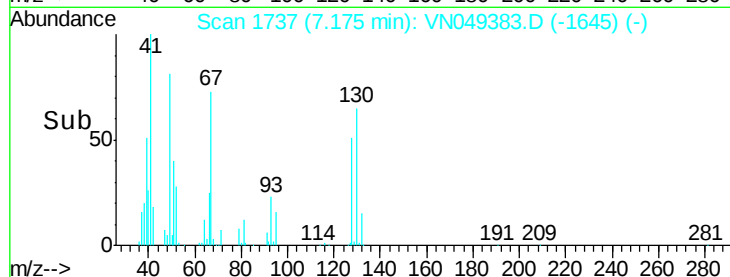
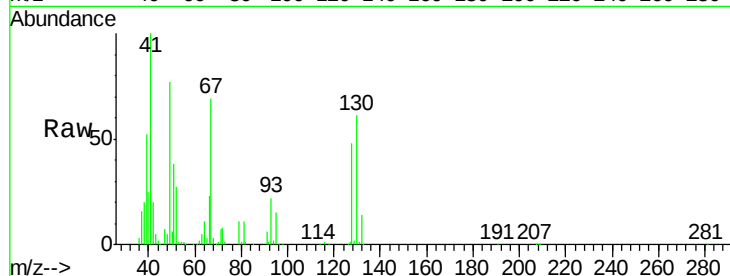
#41
Methacrylonitrile
Concen: 52.529 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	411155
Ion Ratio	Lower	Upper	
41	100		
39	64.9	0.0	0.0#
67	87.4	0.0	0.0#
52	34.5	0.0	0.0#

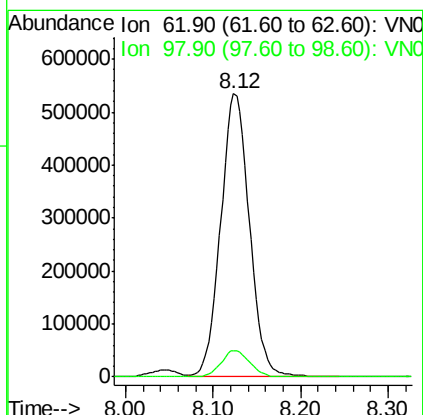
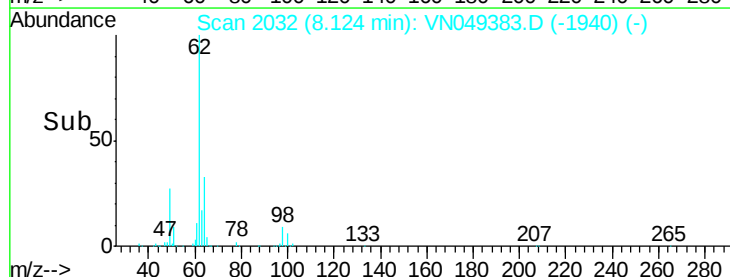
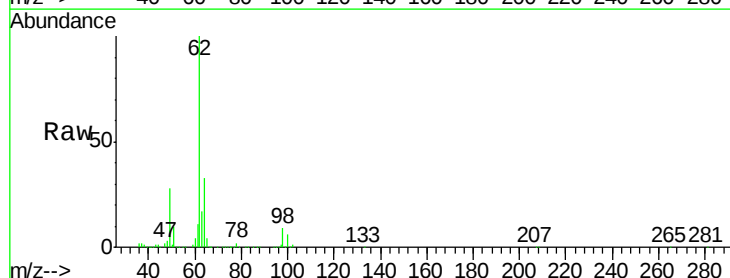
Manual Integrations
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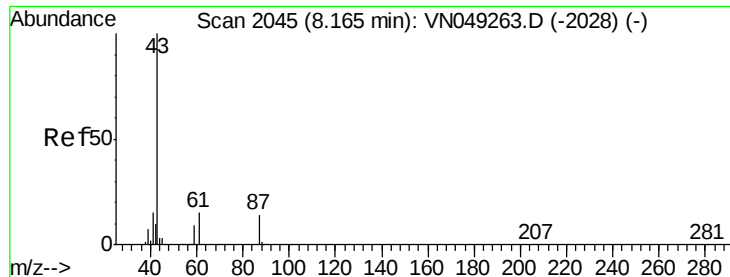
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.156 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion	62	Resp	1214765
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.811 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1460919

Ion Ratio Lower Upper

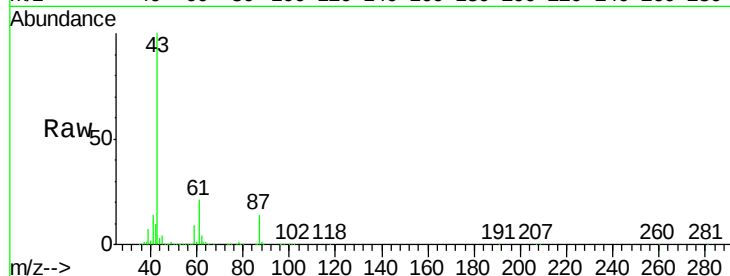
43 100

61 20.1 14.2 21.4

87 13.3 9.4 14.0

Manual Integrations
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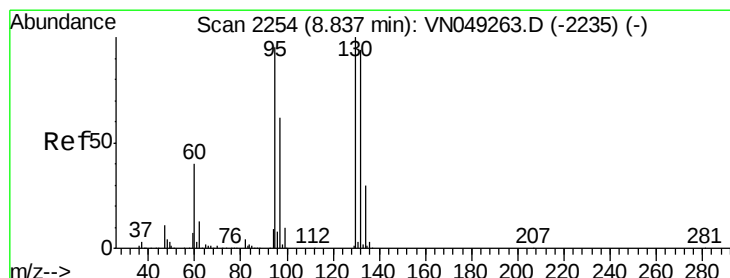
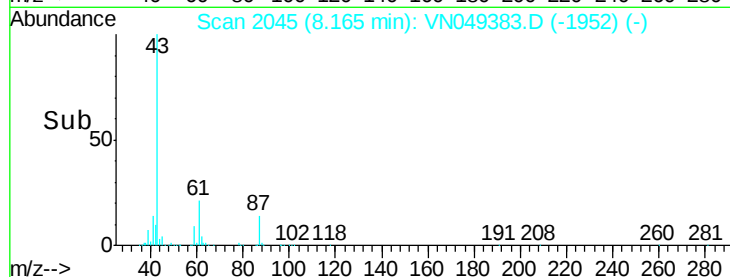
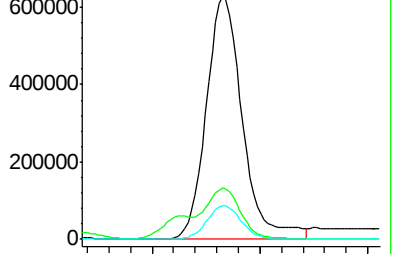
MMDadoda
6/20/2018 4:53:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049383.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049383.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049383.D (-1952) (-)



#44

Trichloroethene

Concen: 48.444 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049383.D

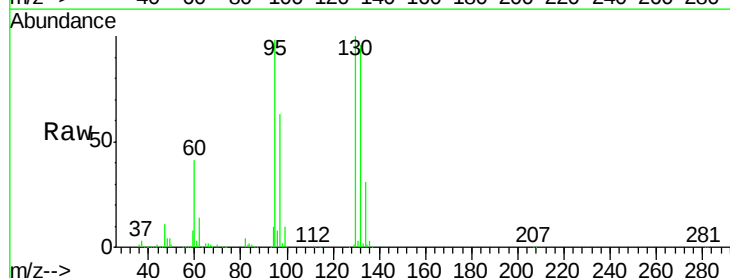
Acq: 19 Jun 2018 13:44

Tgt Ion: 130 Resp: 1044516

Ion Ratio Lower Upper

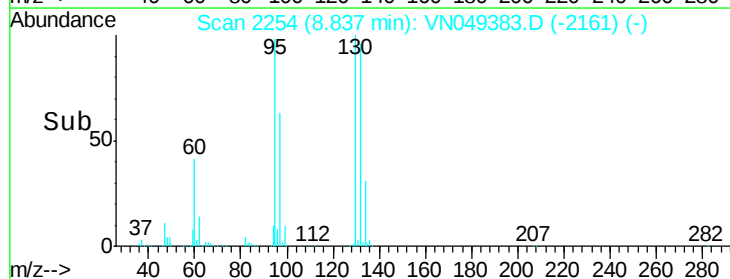
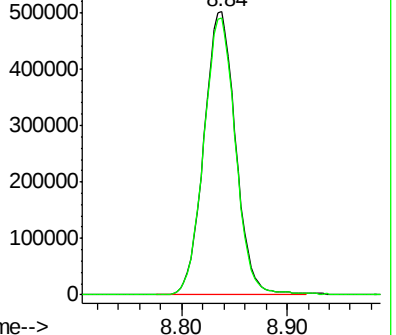
130 100

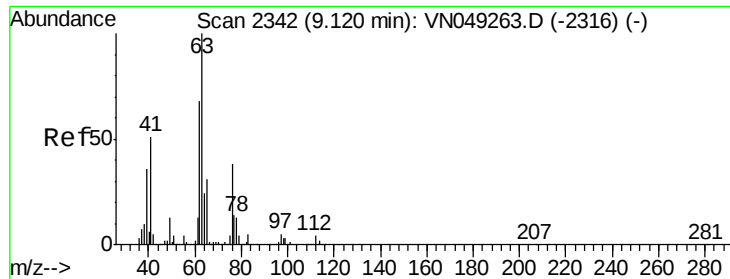
95 97.8 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049383.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049383.D (-2161) (-)





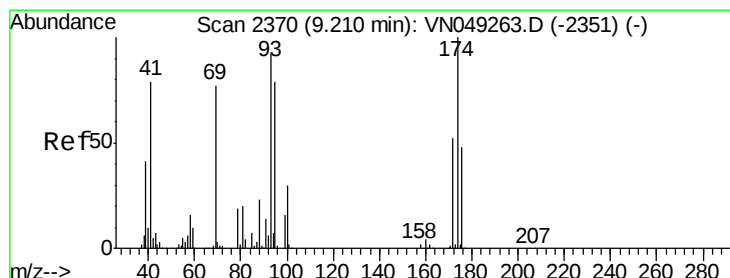
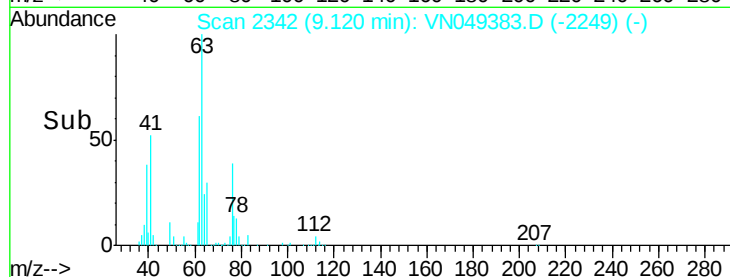
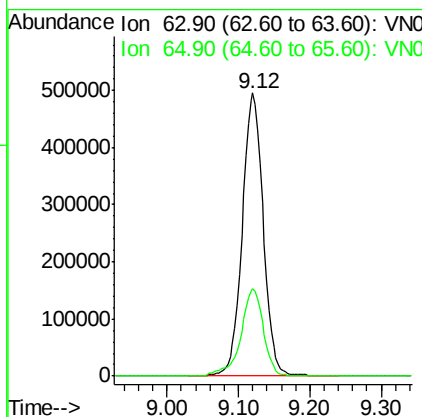
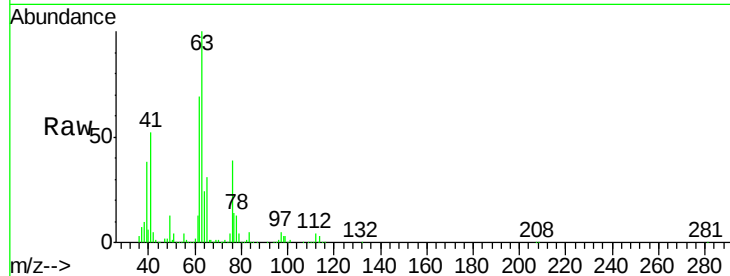
#45
 1,2-Dichloropropane
 Concen: 47.577 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 1017133
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

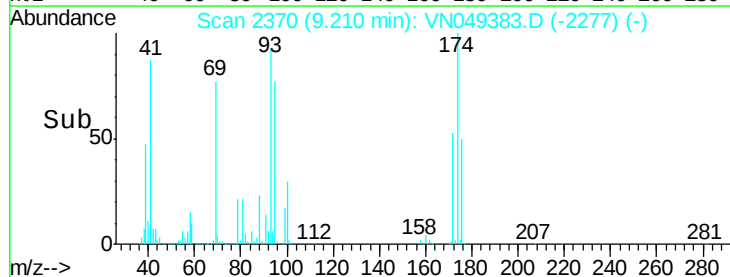
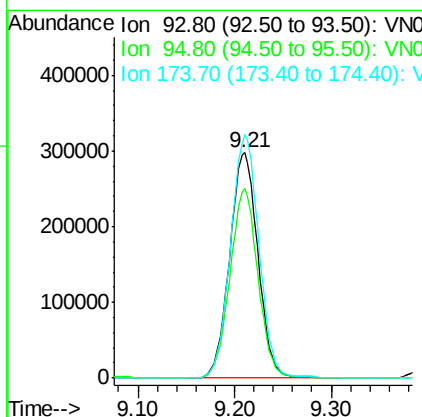
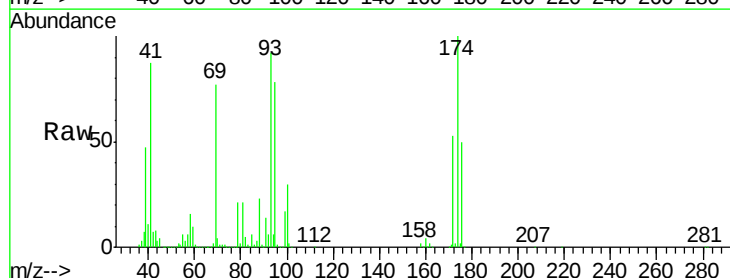
Manual Integrations
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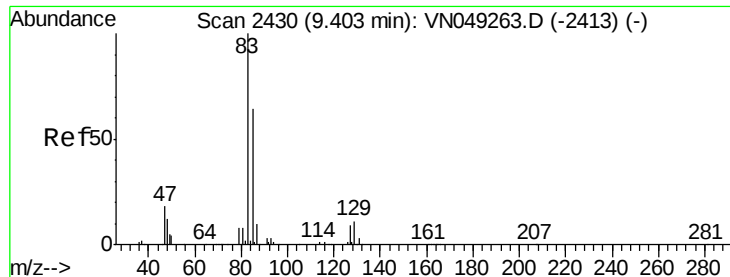
MMDadoda
 6/20/2018 4:53:59 PM



#46
 Dibromomethane
 Concen: 48.871 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 93 Resp: 605817
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 108.2 75.6 113.4





#47

Bromodichloromethane

Concen: 47.836 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1303103

Ion Ratio Lower Upper

83 100

85 64.4 49.4 74.0

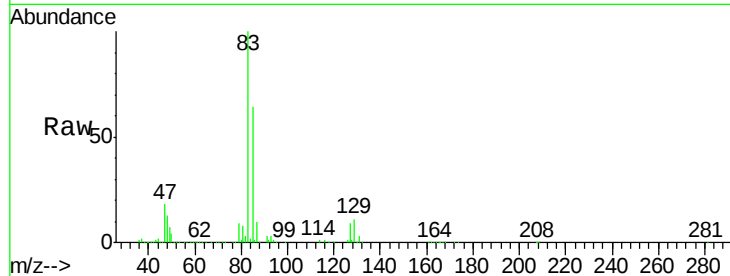
127 8.8 6.3 9.5

Manual Integrations

APPROVED

MMDadoda

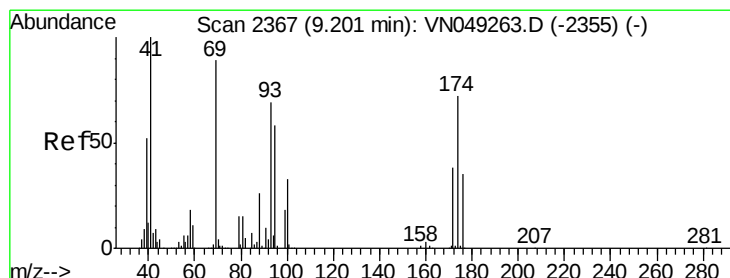
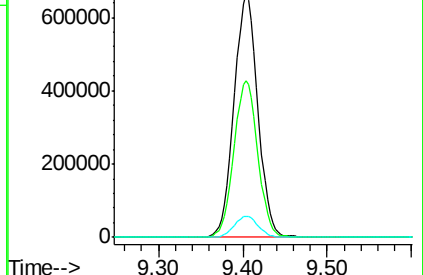
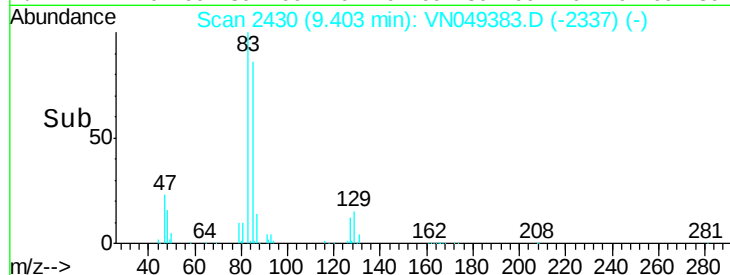
6/20/2018 4:53:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049383.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049383.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049383.D (-2337) (-)



#48

Methyl methacrylate

Concen: 54.342 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

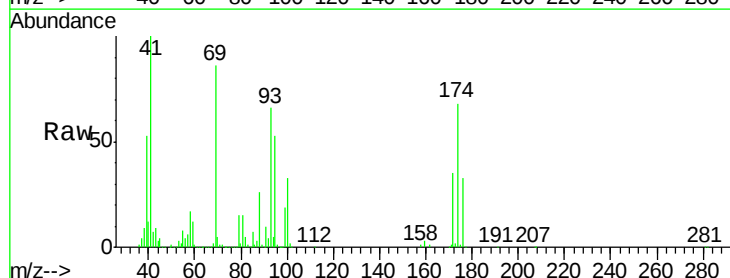
Tgt Ion: 41 Resp: 707909

Ion Ratio Lower Upper

41 100

69 89.6 62.0 93.0

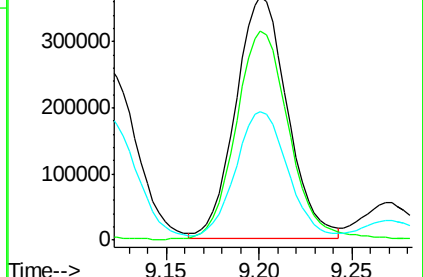
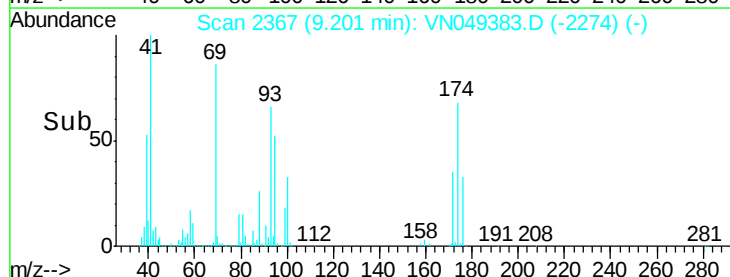
39 54.3 50.6 75.8

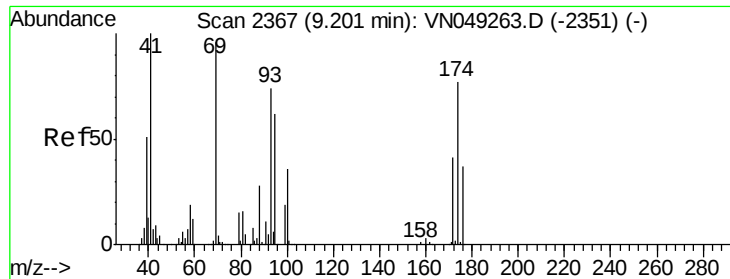


Abundance Ion 41.00 (40.70 to 41.70): VN049383.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049383.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049383.D (-2274) (-)





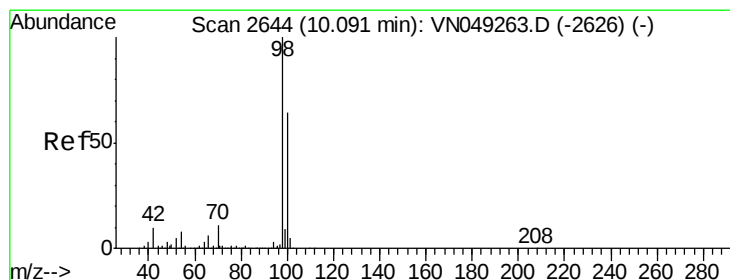
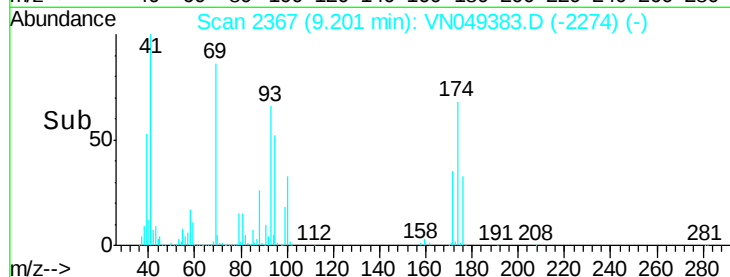
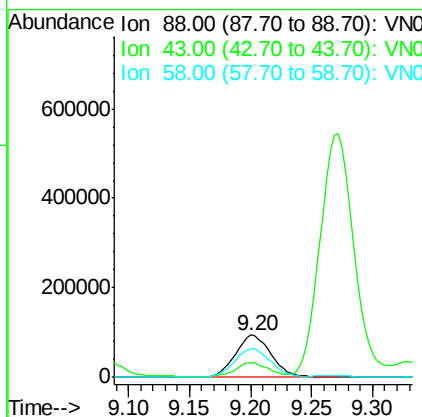
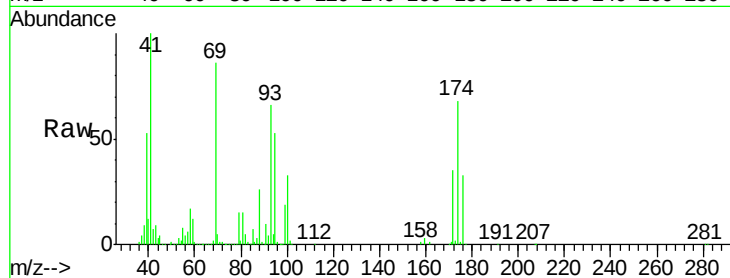
#49
1,4-Dioxane
Concen: 1073.104 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	30.9	46.3
58	68.1	58.9	88.3

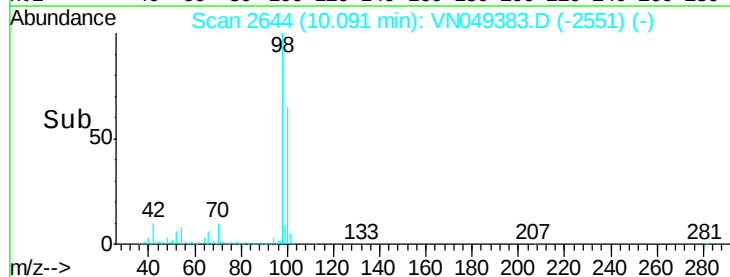
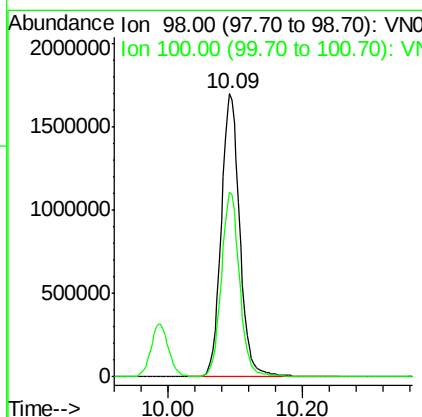
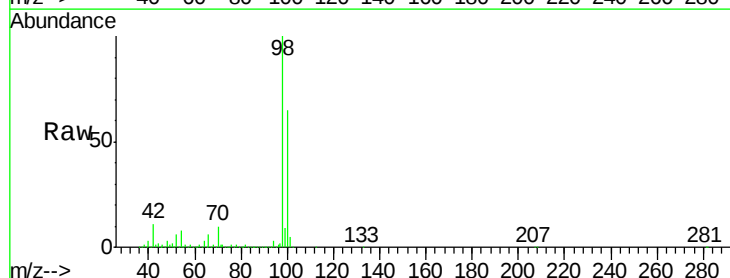
Manual Integrations
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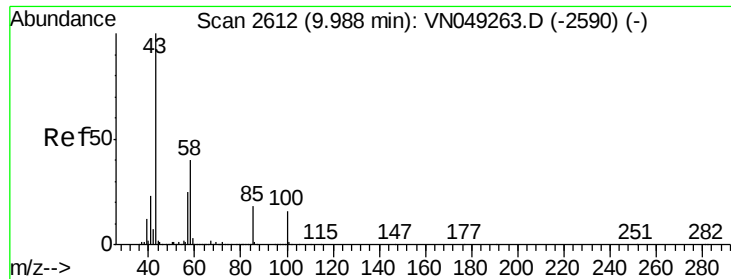
MMDadoda
6/20/2018 4:53:59 PM



#50
Toluene-d8
Concen: 45.578 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 268.027 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3885960

Ion Ratio Lower Upper

43 100

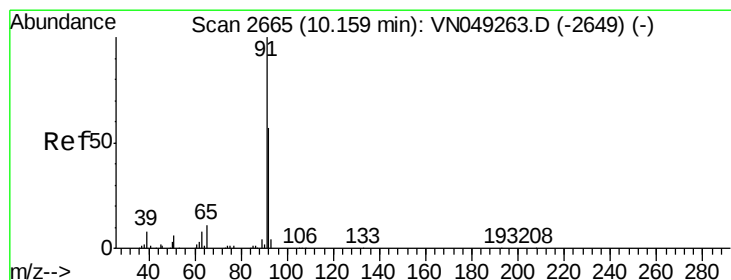
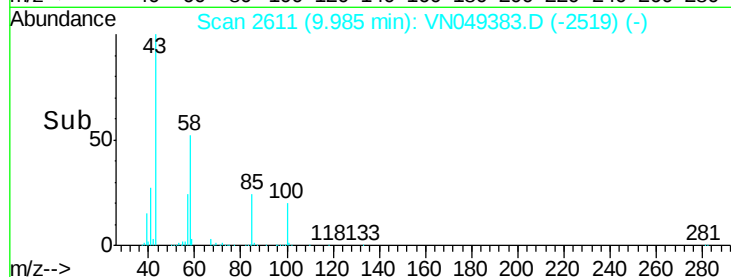
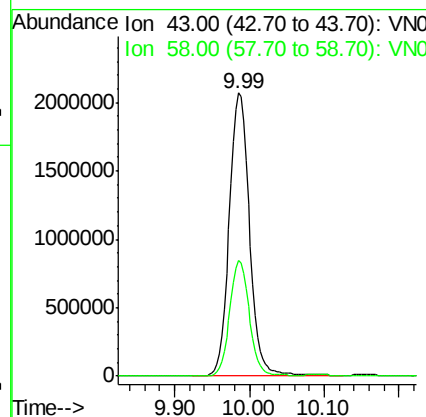
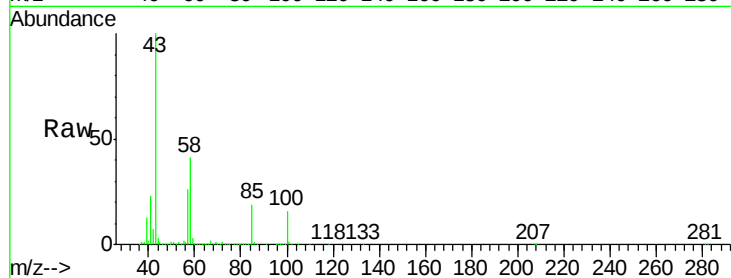
58 39.8 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 50.887 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049383.D

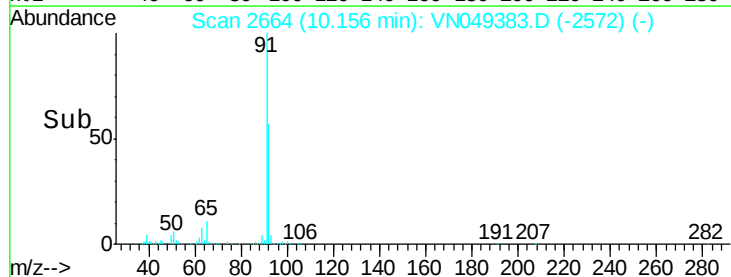
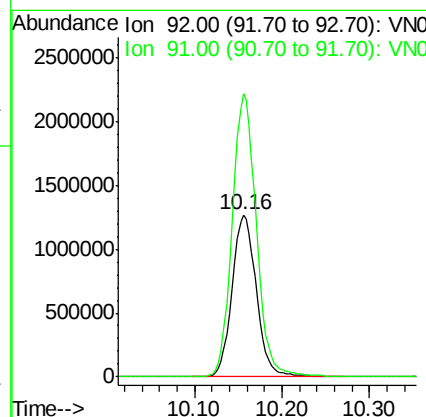
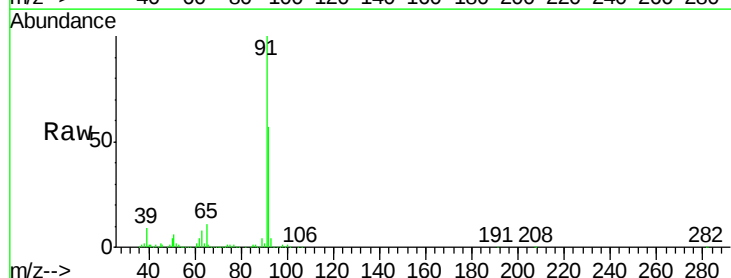
Acq: 19 Jun 2018 13:44

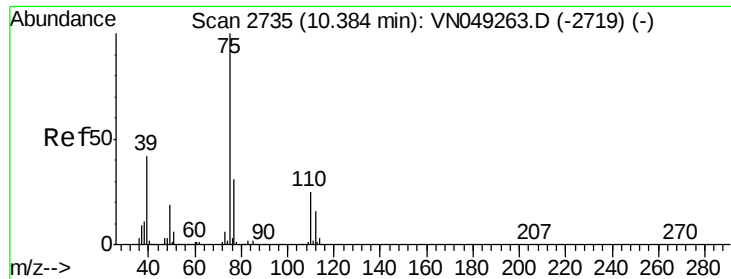
Tgt Ion: 92 Resp: 2438568

Ion Ratio Lower Upper

92 100

91 174.1 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 51.043 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1330170

Ion Ratio Lower Upper

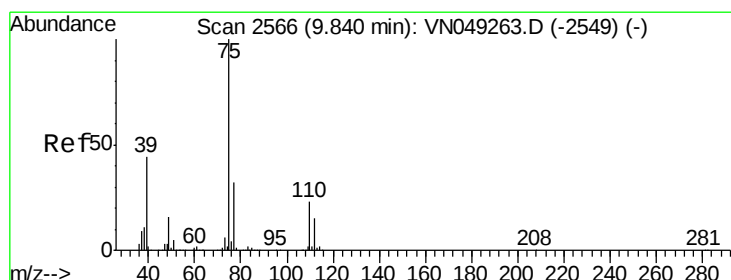
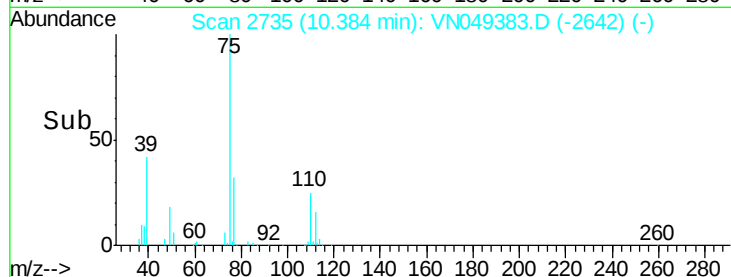
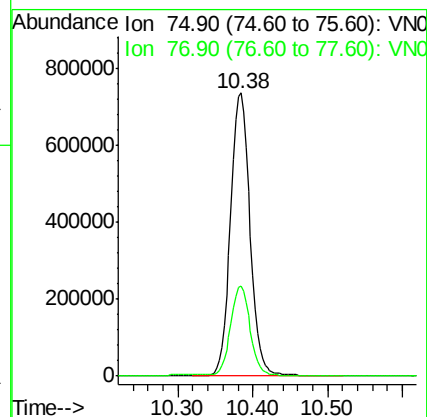
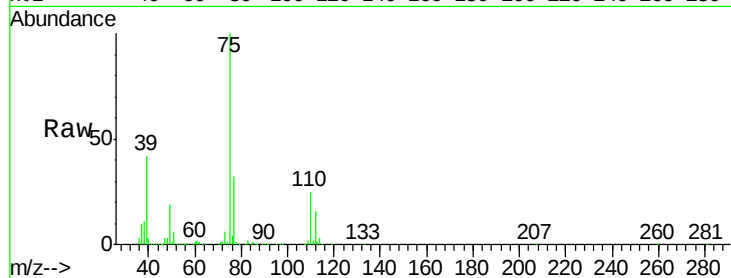
75 100

77 31.7 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.366 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

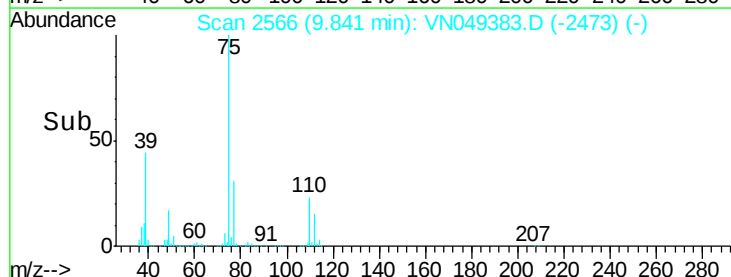
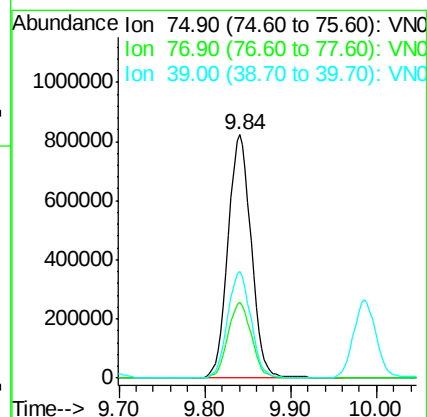
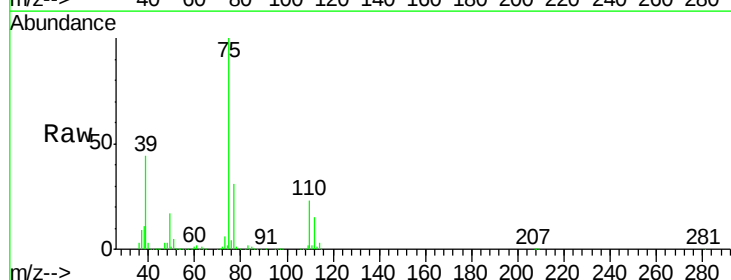
Tgt Ion: 75 Resp: 1549737

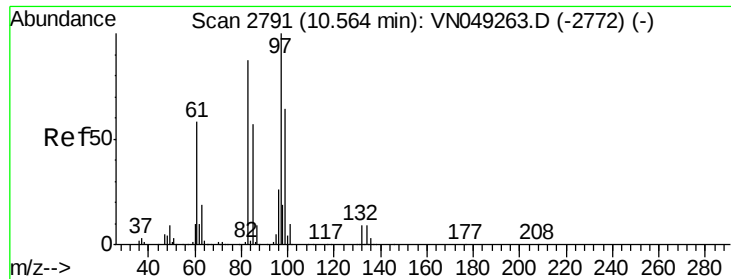
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 43.8 45.1 67.7#





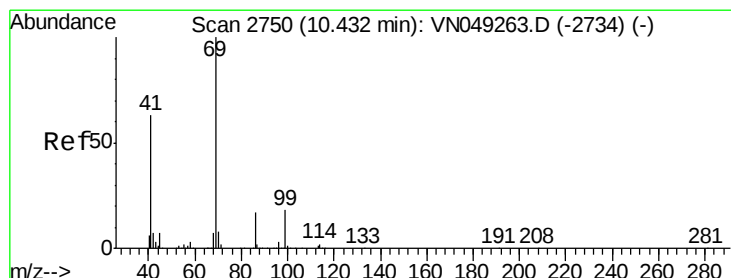
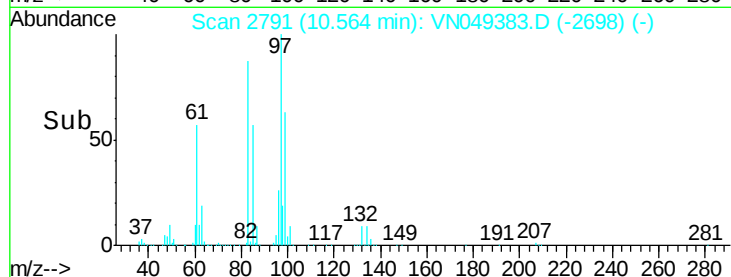
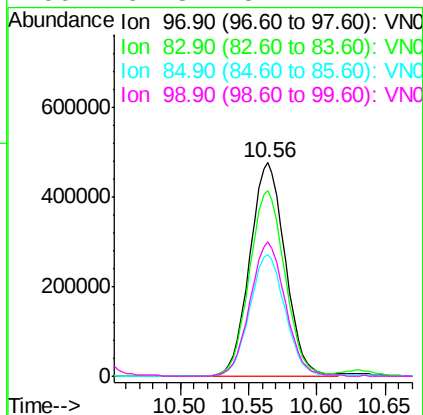
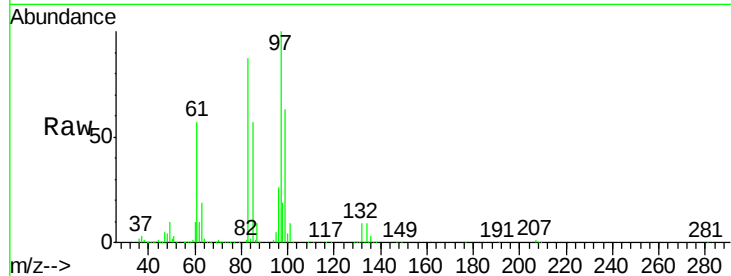
#55
 1,1,2-Trichloroethane
 Concen: 48.124 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.5	107.3
85	57.0	47.0	70.4
99	62.8	51.4	77.2

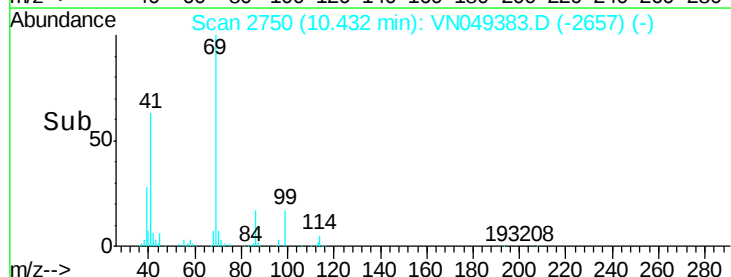
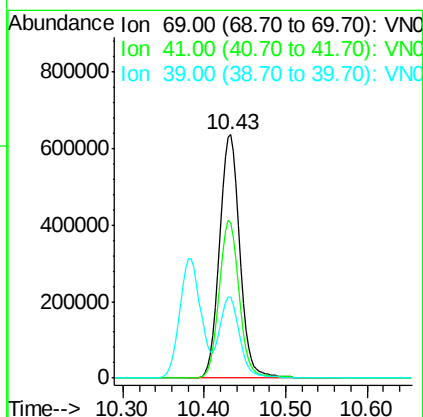
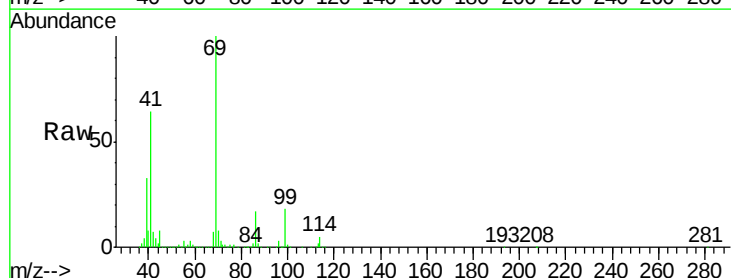
Manual Integrations
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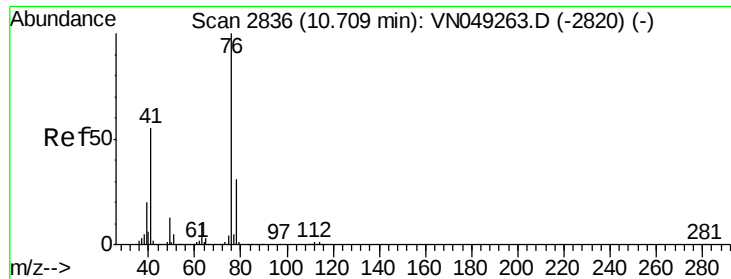
MMDadoda
 6/20/2018 4:53:59 PM



#56
 Ethyl methacrylate
 Concen: 54.830 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	58.4	87.6
39	32.3	35.5	53.3#





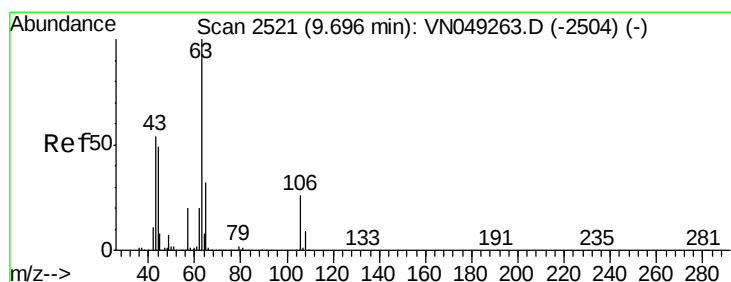
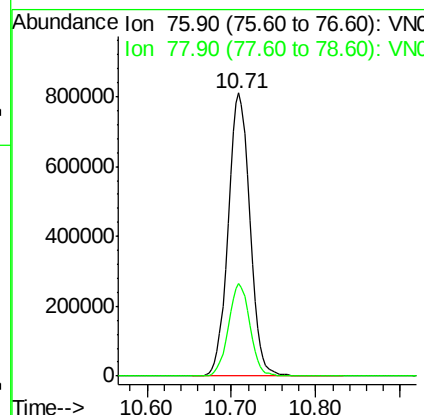
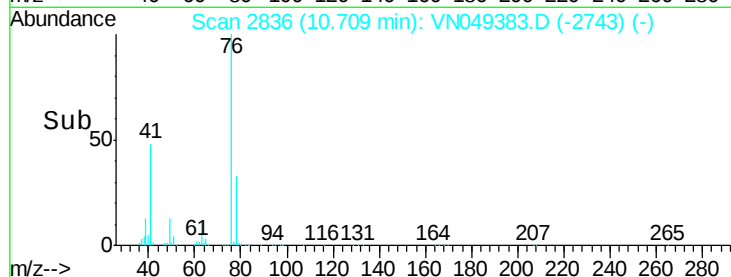
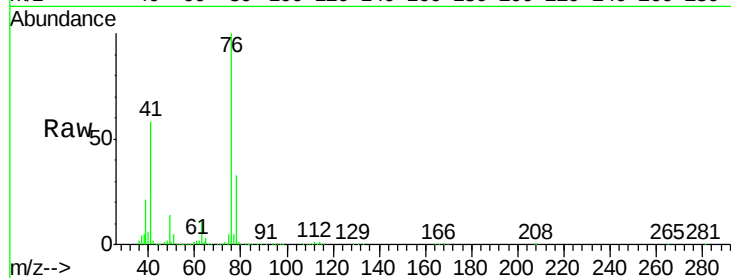
#57
 1,3-Dichloropropane
 Concen: 49.033 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1451114
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5

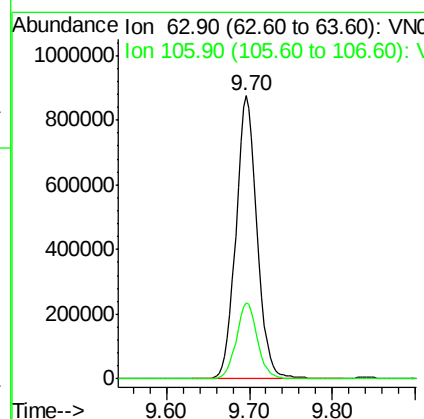
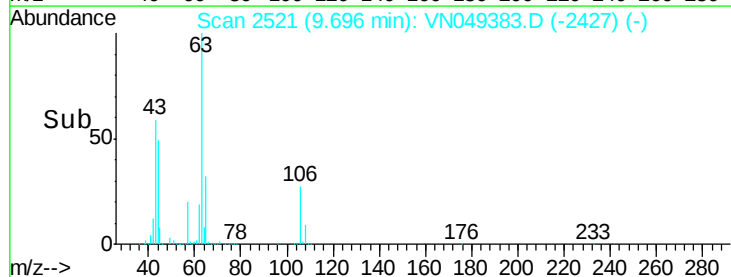
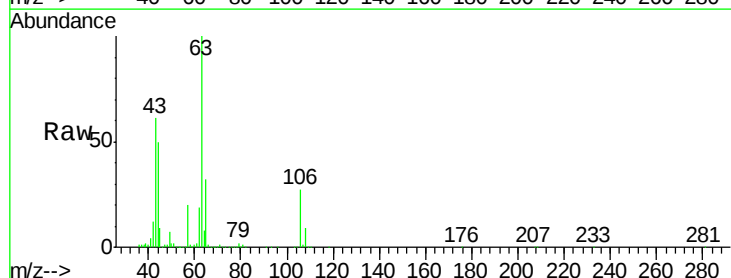
Manual Integrations
 APPROVED

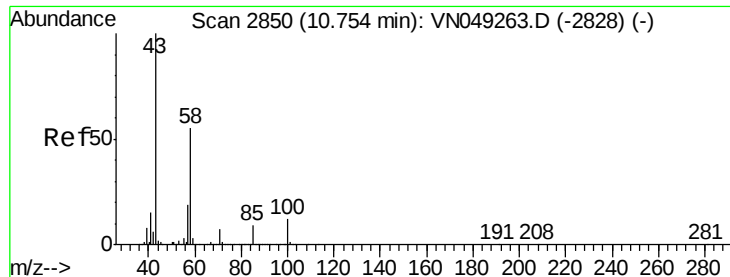
MMDadoda
 6/20/2018 4:53:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.890 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 63 Resp: 1559794
 Ion Ratio Lower Upper
 63 100
 106 27.0 19.4 29.2





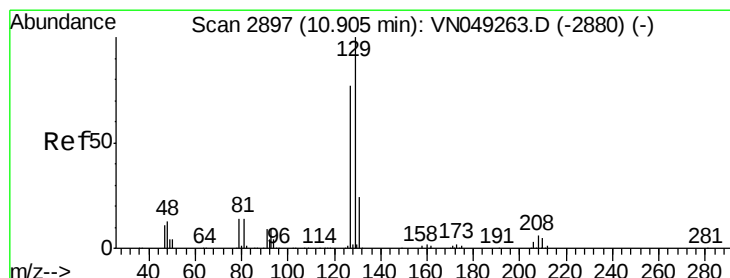
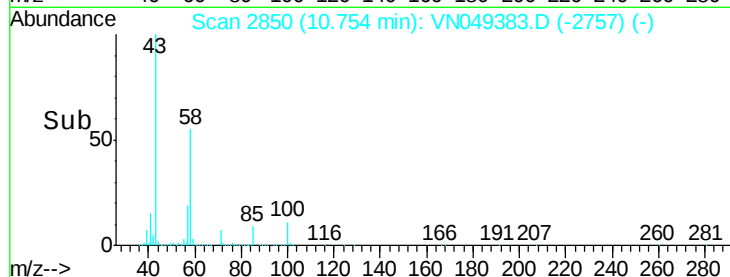
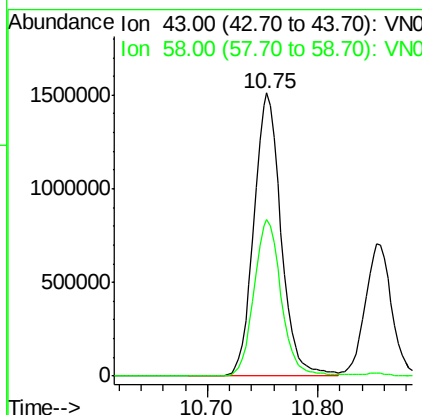
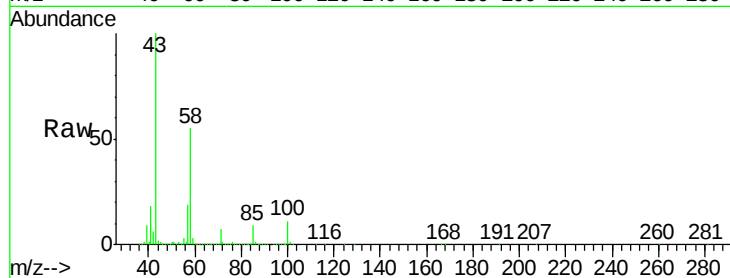
#59
2-Hexanone
Concen: 275.717 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2577167
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

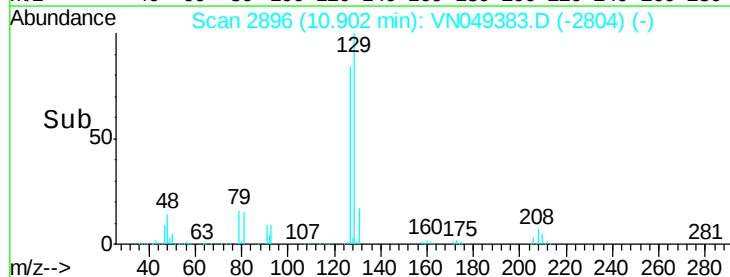
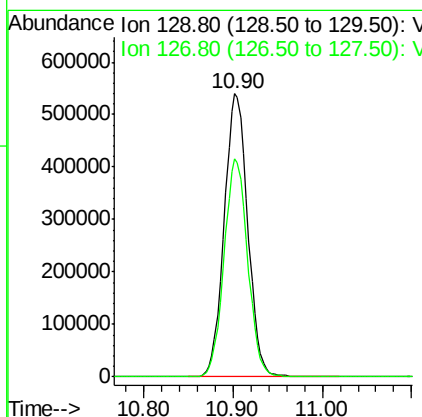
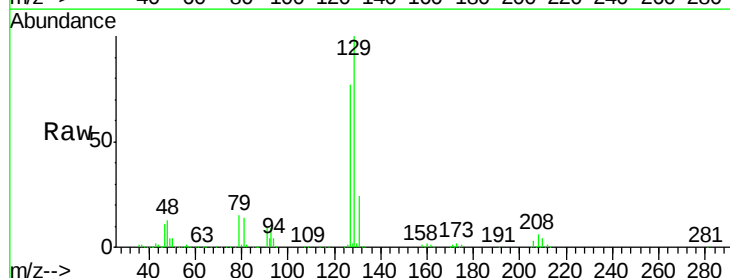
Manual Integrations
APPROVED

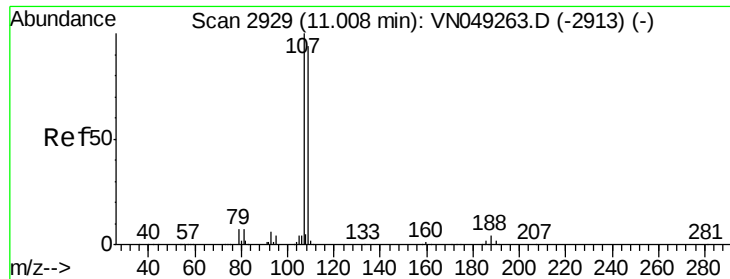
MMDadoda
6/20/2018 4:53:59 PM



#60
Dibromochloromethane
Concen: 49.399 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 129 Resp: 984962
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.381 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 836608

Ion Ratio Lower Upper

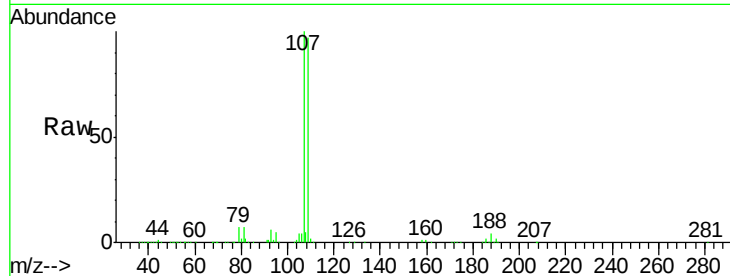
107 100

109 94.3 75.4 113.2

Manual Integrations
APPROVED

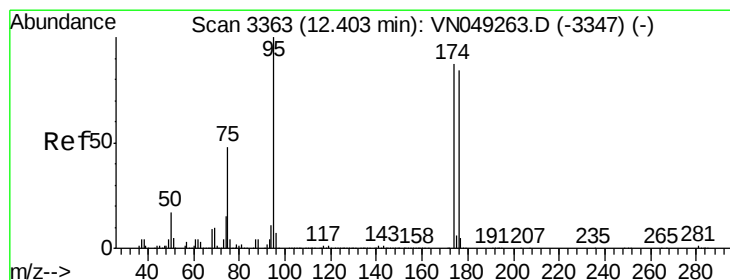
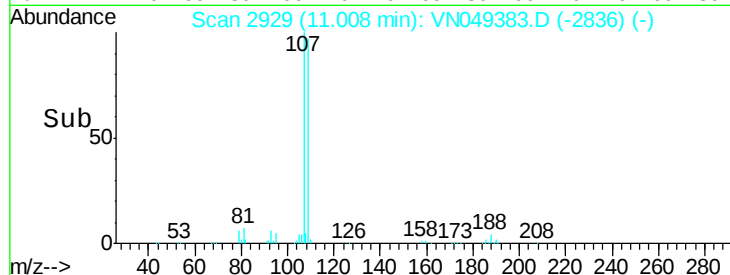
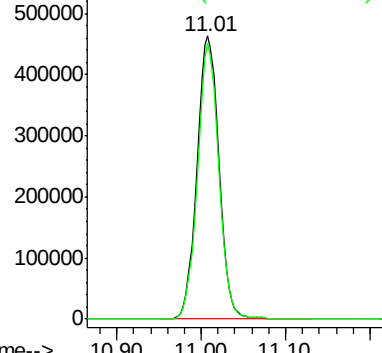
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.030 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

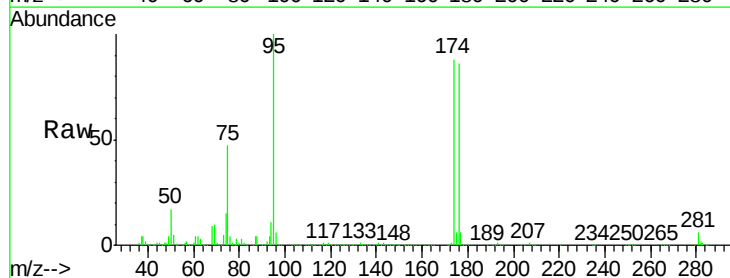
Tgt Ion: 95 Resp: 1136847

Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.6

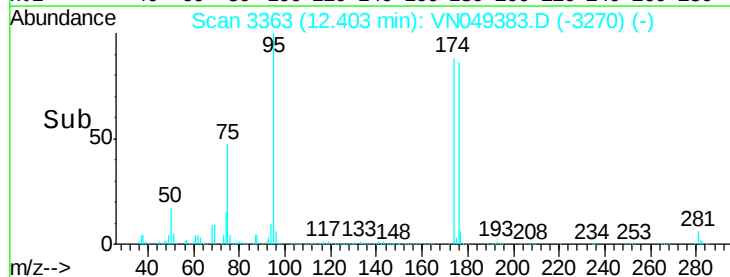
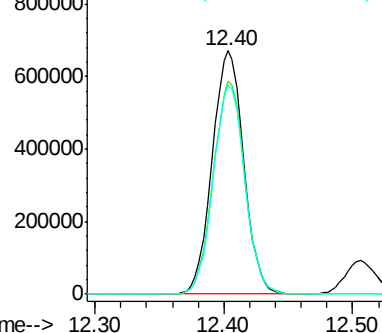
176 86.0 0.0 157.4

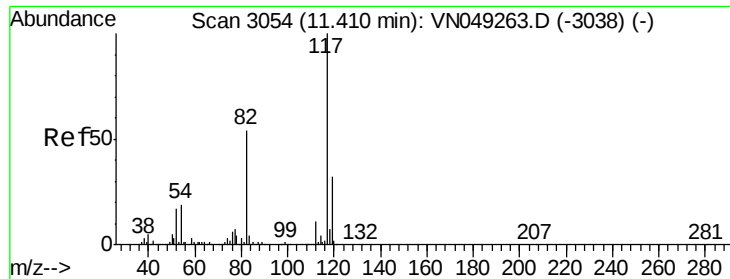


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





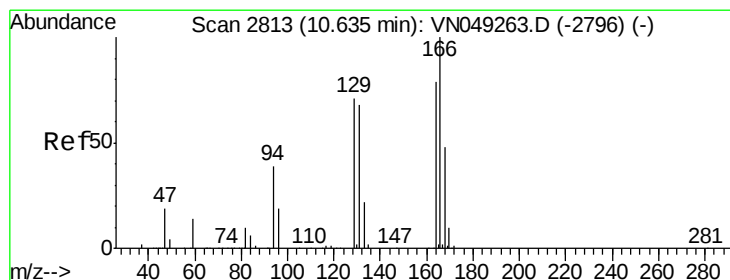
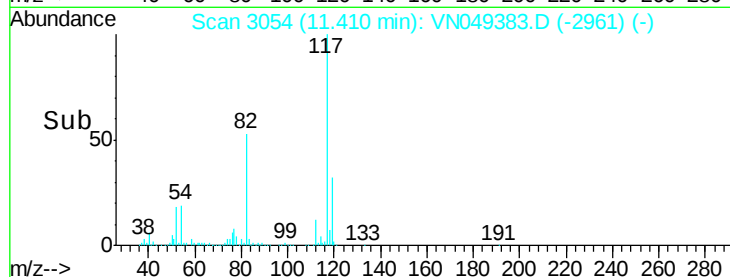
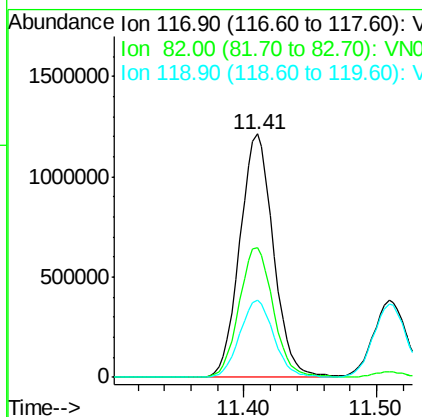
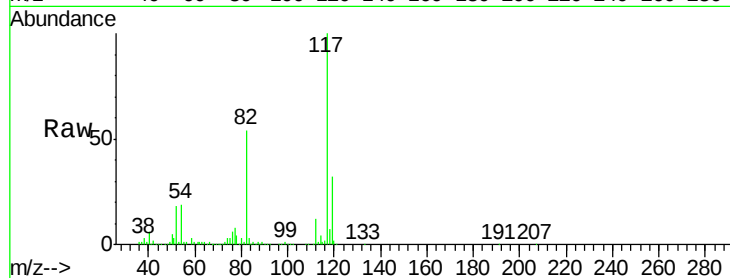
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 2133814
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 31.9 25.5 38.3

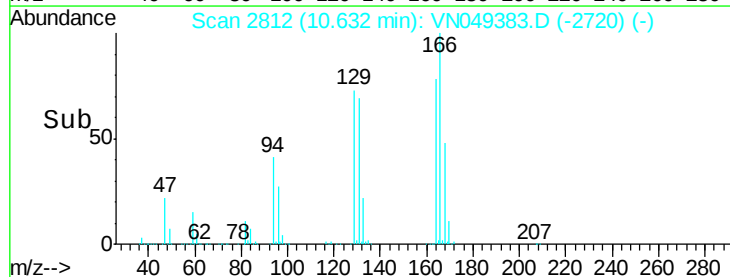
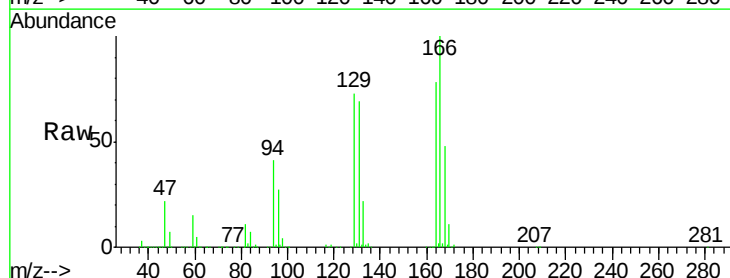
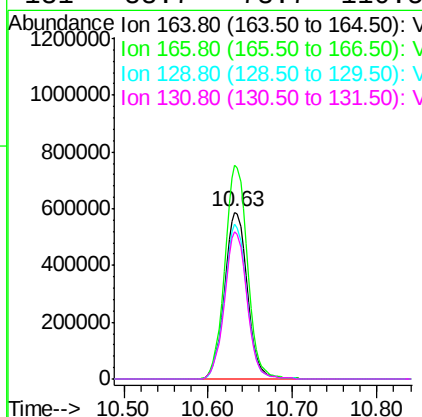
Manual Integrations
APPROVED

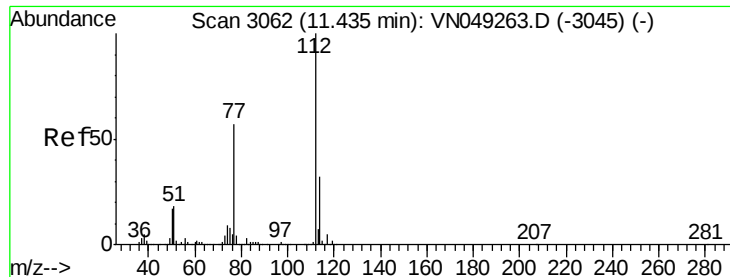
MMDadoda
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#64
Tetrachloroethene
Concen: 50.070 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion:164 Resp: 1094793
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.2
129 93.1 74.1 111.1
131 88.7 73.7 110.5





#65

Chlorobenzene

Concen: 47.901 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2633032

Ion Ratio Lower Upper

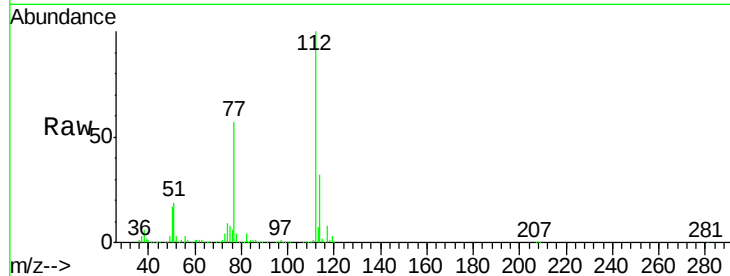
112 100

114 32.4 26.2 39.4

Manual Integrations
APPROVED

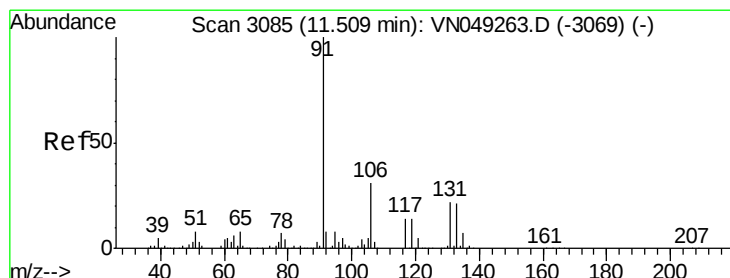
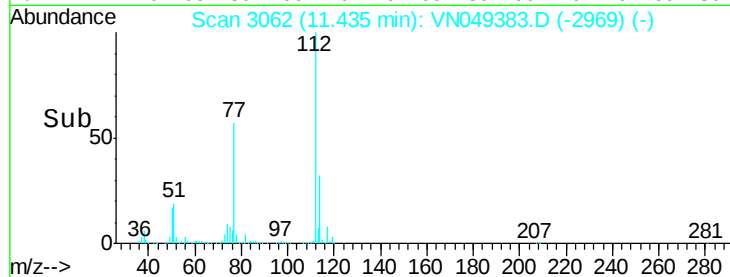
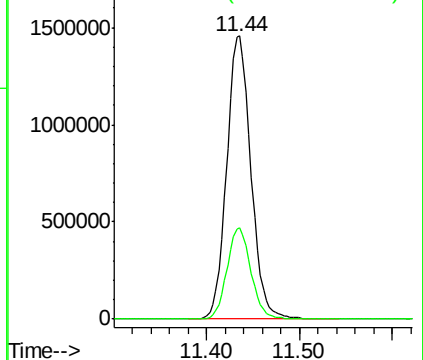
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.672 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

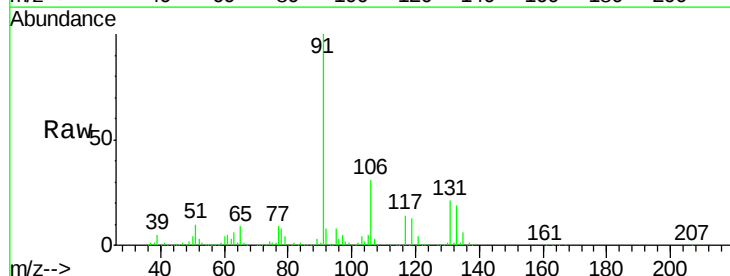
Tgt Ion:131 Resp: 965455

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

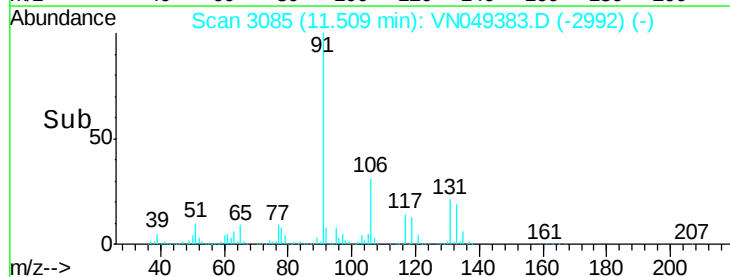
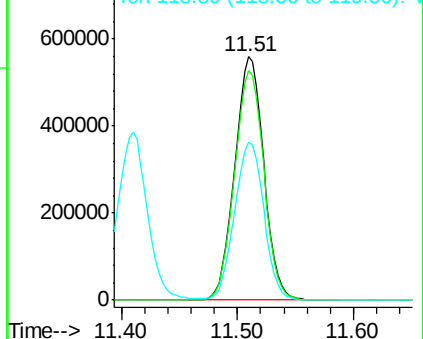
119 65.8 33.6 100.8

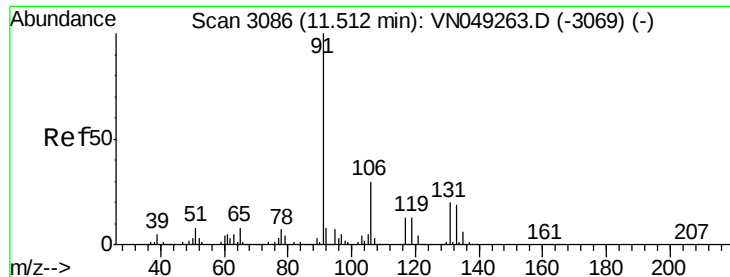


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





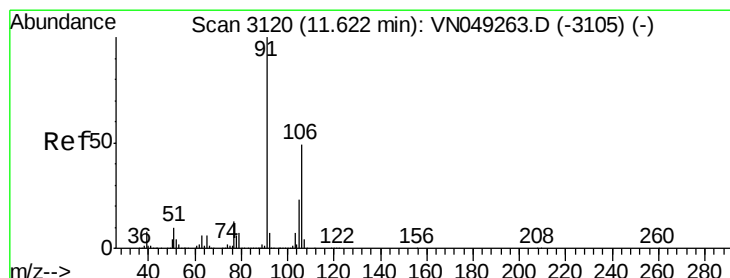
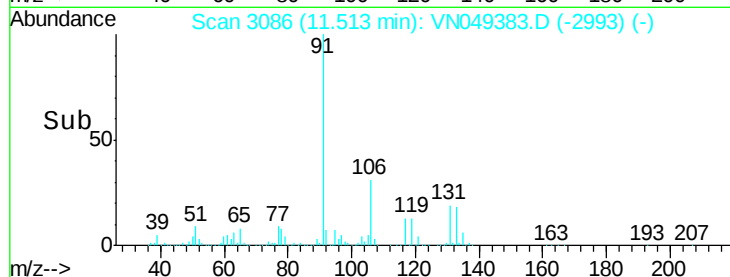
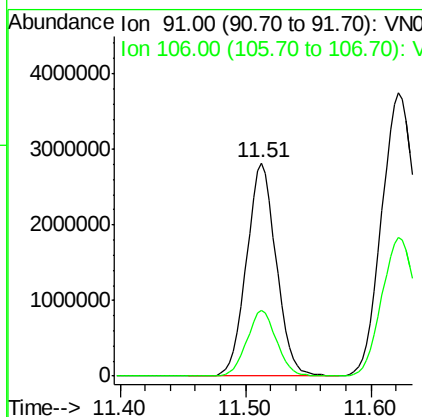
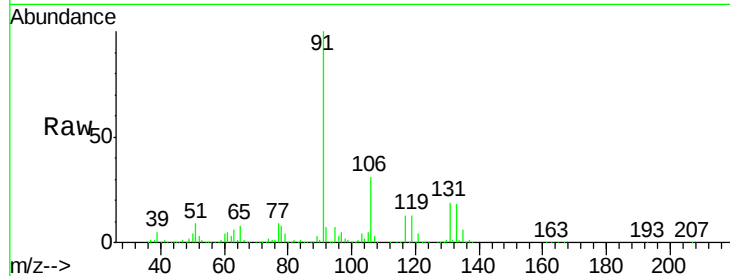
#67
Ethyl Benzene
Concen: 50.890 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 4639986
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

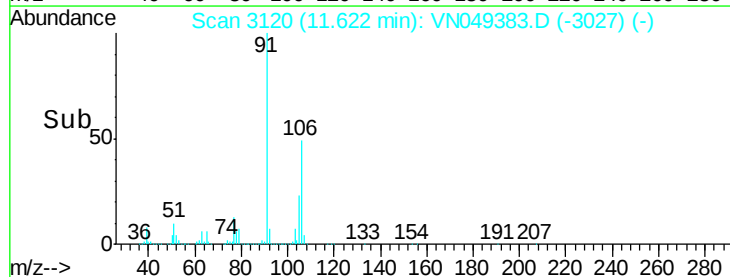
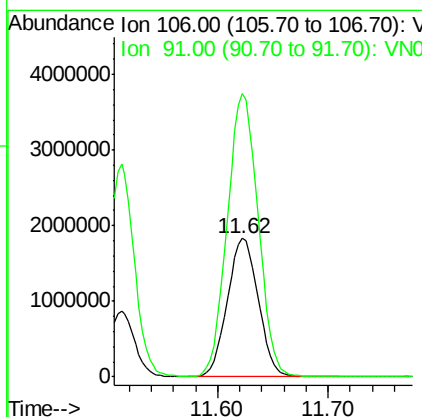
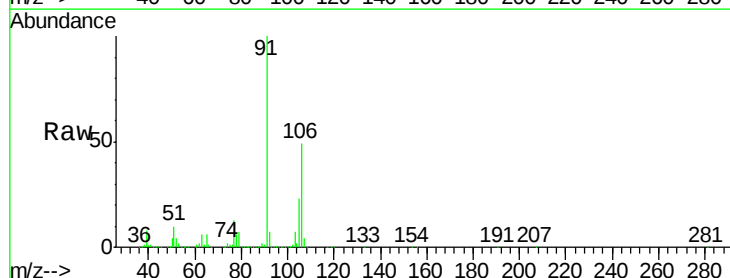
Manual Integrations
APPROVED

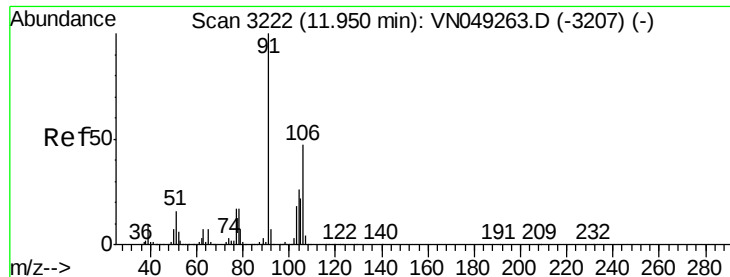
MMDadoda
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#68
m/p-Xylenes
Concen: 104.072 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 106 Resp: 3561070
Ion Ratio Lower Upper
106 100
91 204.4 167.3 250.9





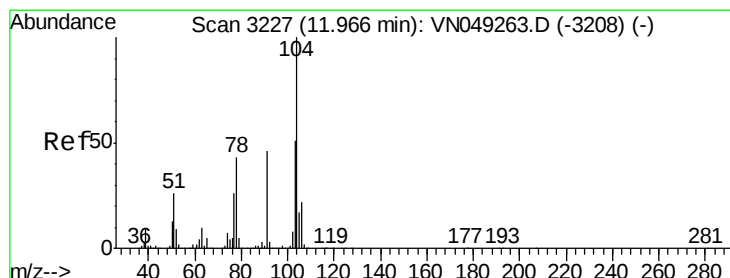
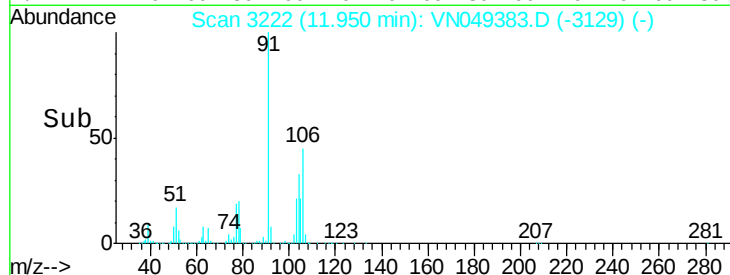
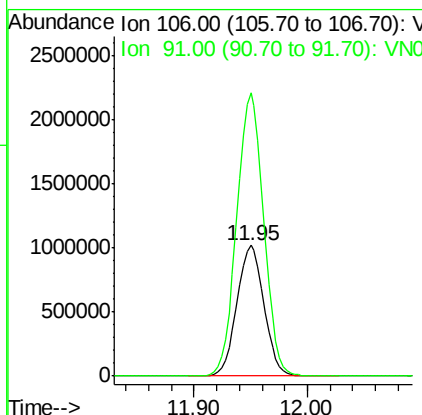
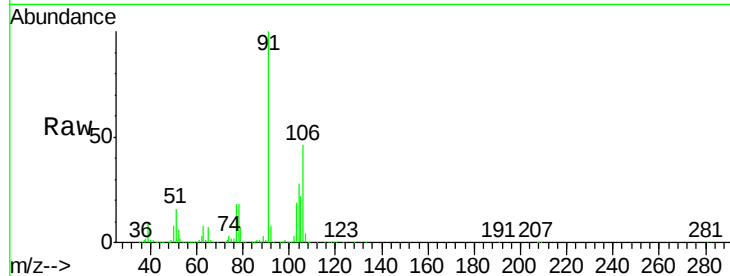
#69
o-Xylene
Concen: 51.663 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1702654
Ion Ratio Lower Upper
106 100
91 215.9 111.0 333.0

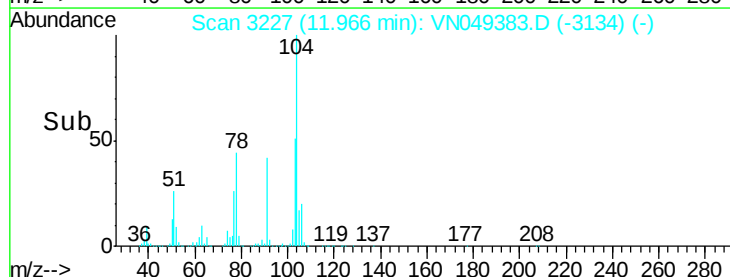
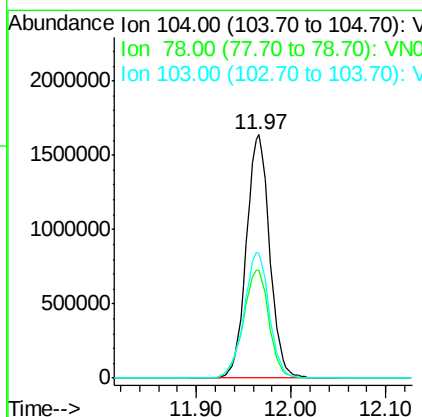
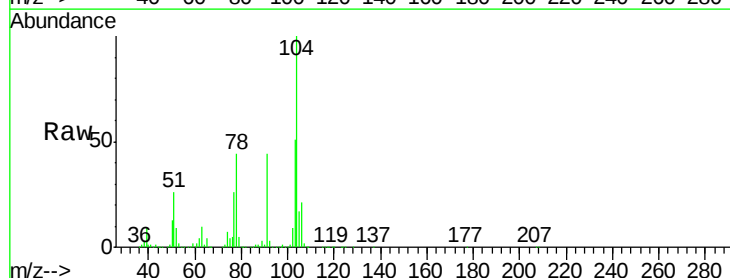
Manual Integrations
APPROVED

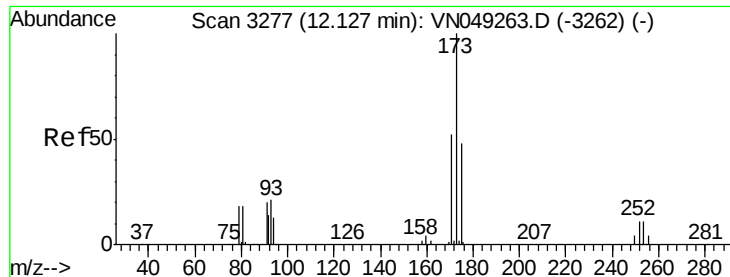
MMDadoda
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#70
Styrene
Concen: 53.792 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion:104 Resp: 2796882
Ion Ratio Lower Upper
104 100
78 49.1 41.6 62.4
103 55.8 45.4 68.2





#71

Bromoform

Concen: 49.935 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

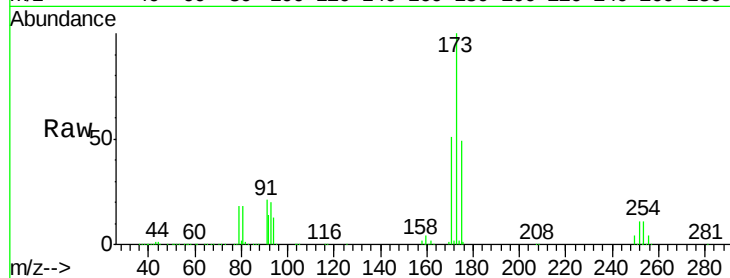
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.1	0.1	0.1#

Manual Integrations
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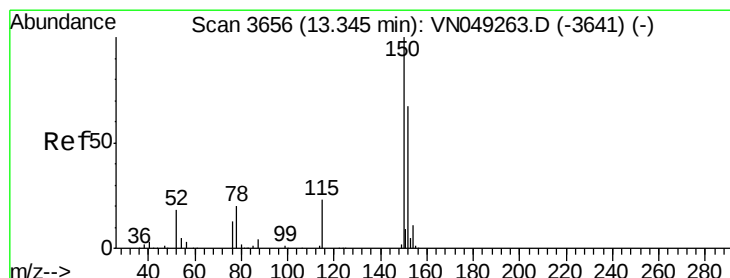
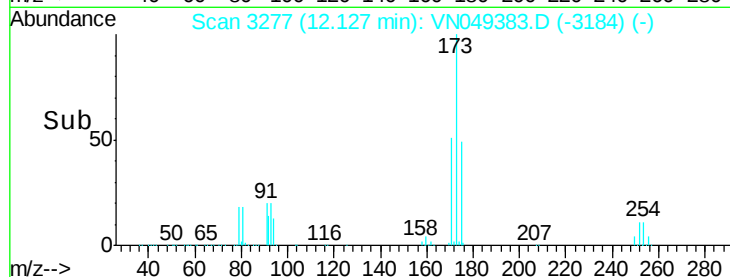
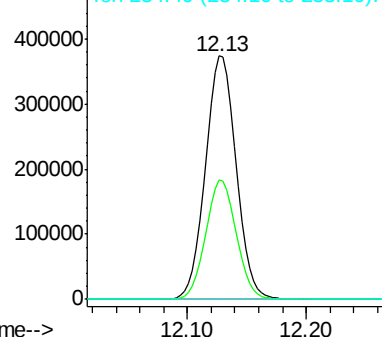


Abundance

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

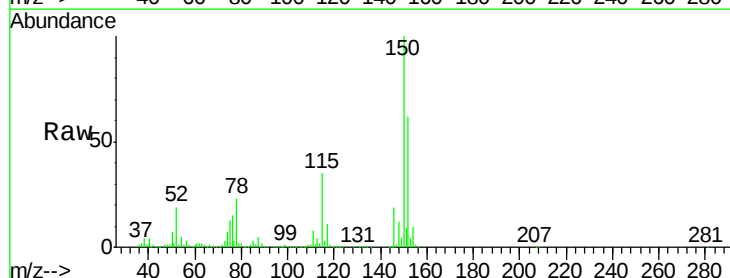
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.7	86.1
150	175.0	0.0	351.0

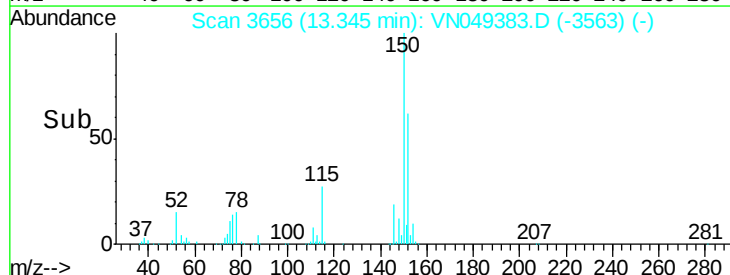
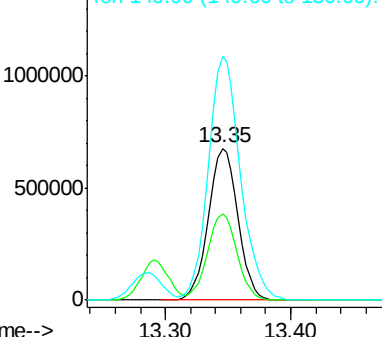


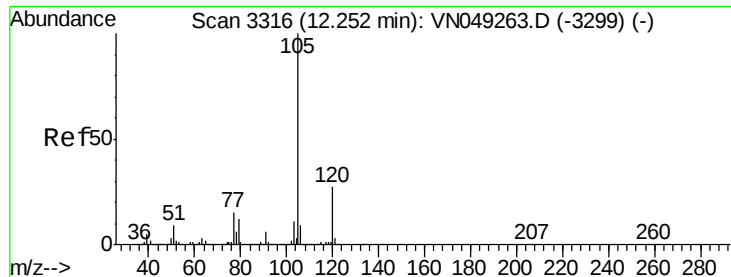
Abundance

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: 47.149 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4565876

Ion Ratio Lower Upper

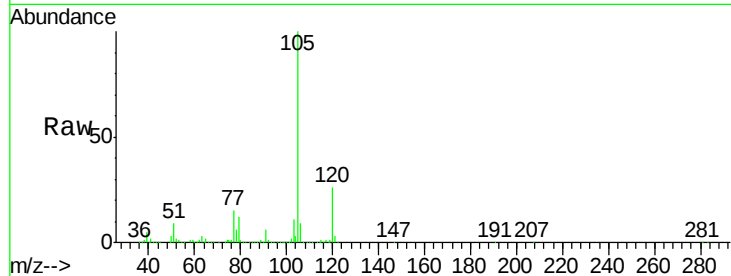
105 100

120 26.5 12.8 38.3

Manual Integrations
APPROVED

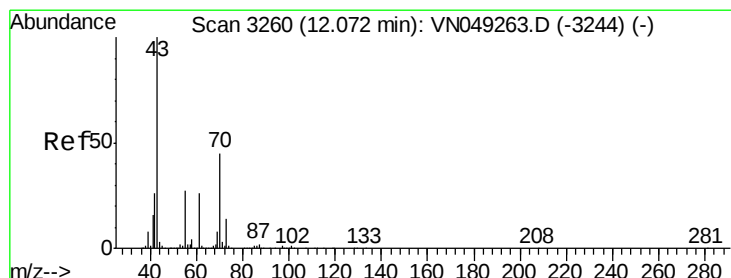
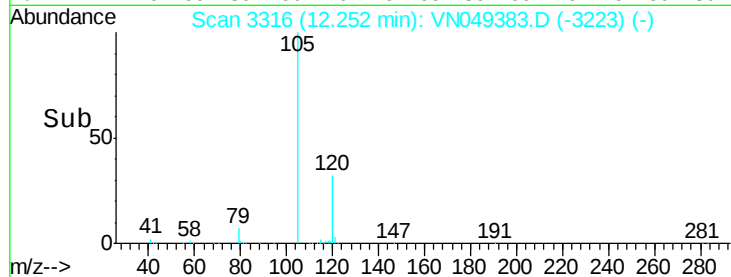
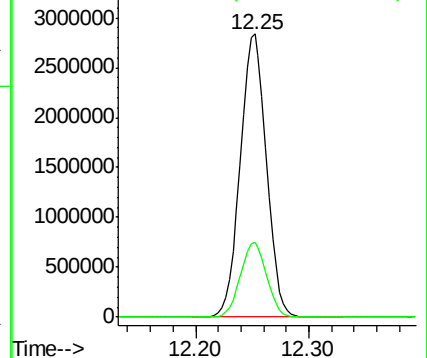
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.798 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion: 43 Resp: 1204891

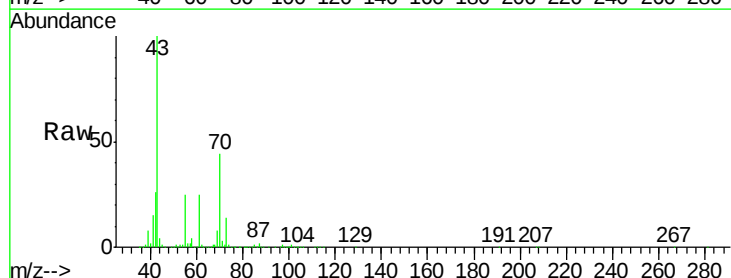
Ion Ratio Lower Upper

43 100

70 43.8 30.3 45.5

55 26.1 19.4 29.2

61 24.9 17.8 26.6

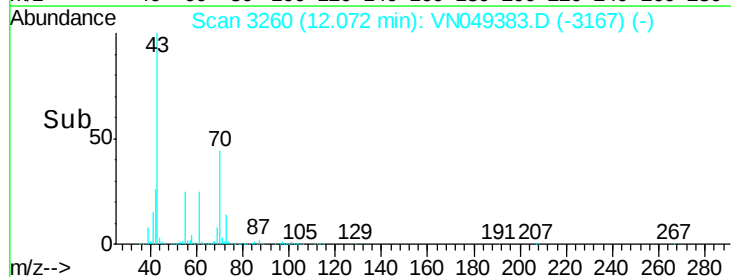
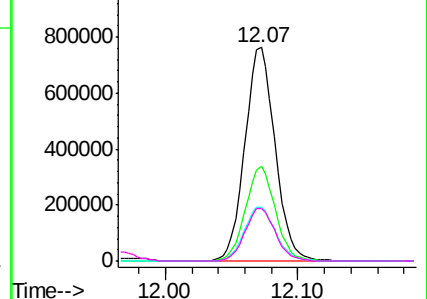


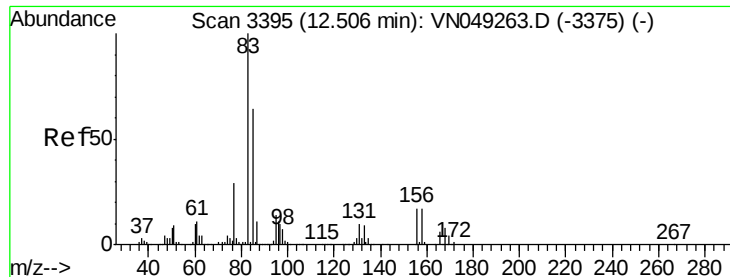
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.653 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1008500

Ion Ratio Lower Upper

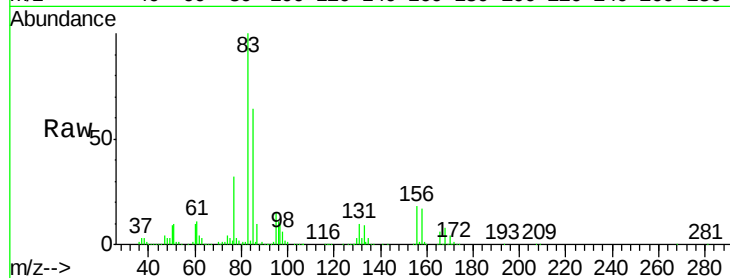
83 100

131 10.4 5.0 15.0

85 63.6 32.0 96.0

Manual Integrations
APPROVED

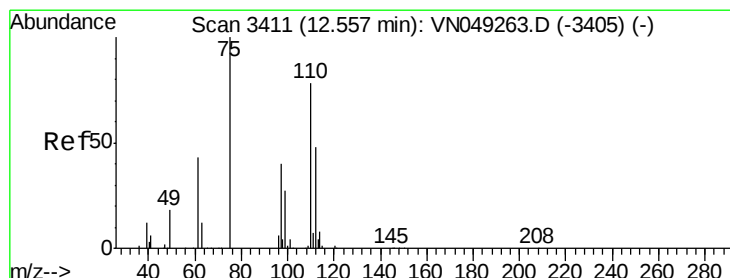
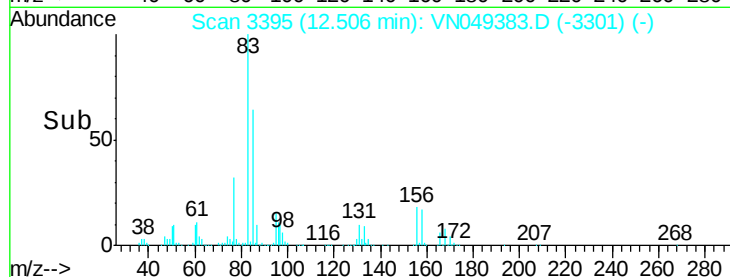
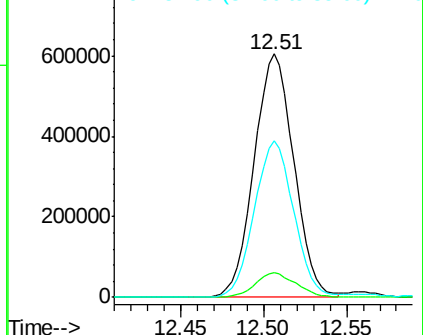
MMDadoda
6/20/2018 4:53:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049383.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049383.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049383.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 48.521 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049383.D

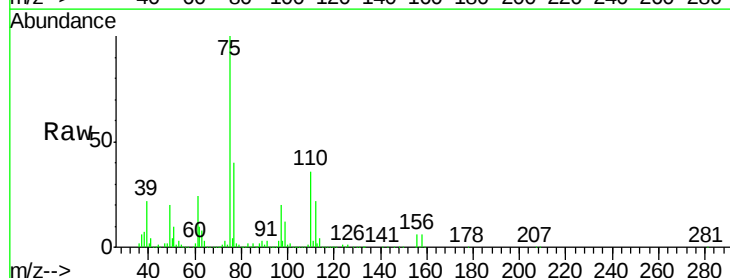
Acq: 19 Jun 2018 13:44

Tgt Ion: 75 Resp: 913086

Ion Ratio Lower Upper

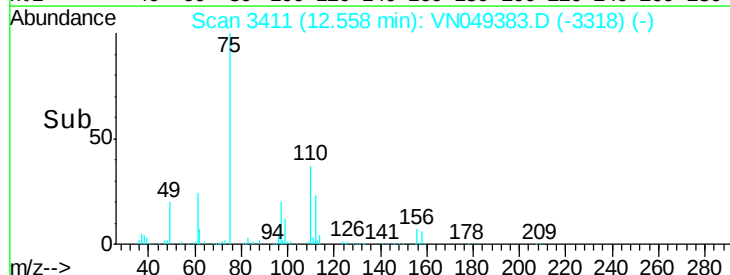
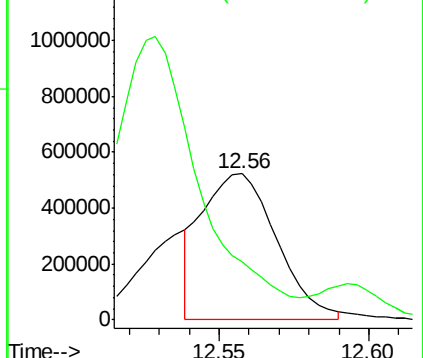
75 100

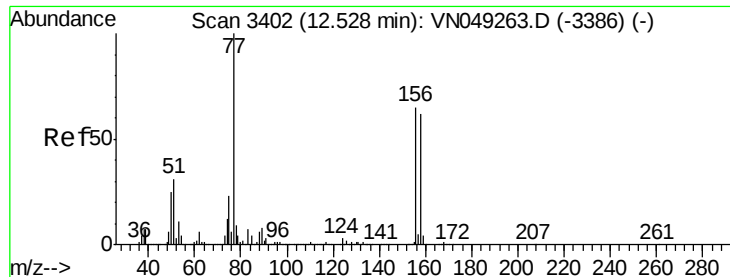
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049383.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049383.D (-3318) (-)





#77

Bromobenzene

Concen: 44.598 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1140755

Ion Ratio Lower Upper

156 100

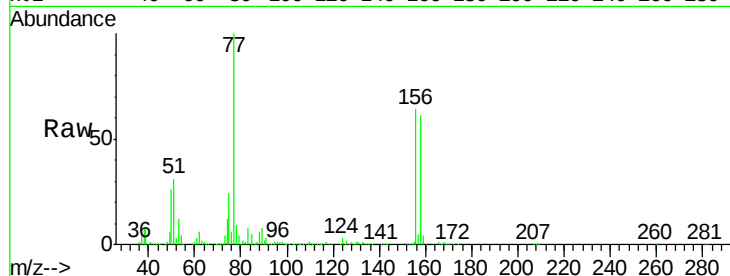
77 181.7 100.8 302.4

158 96.3 49.3 147.9

Manual Integrations
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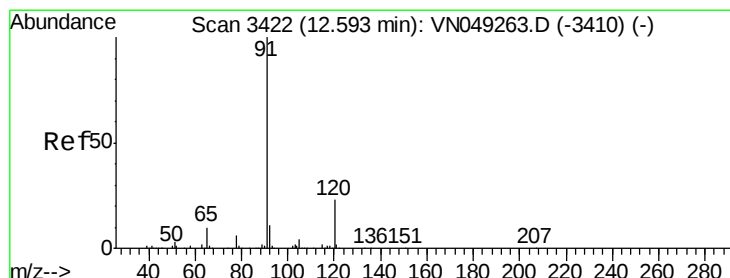
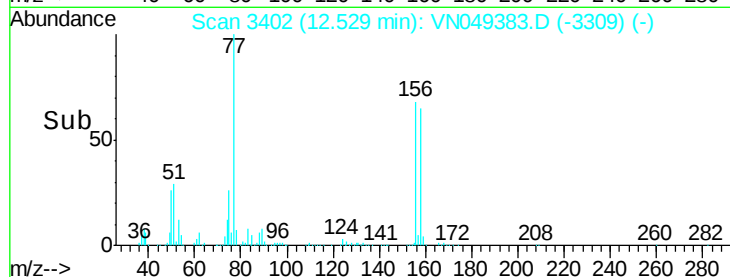
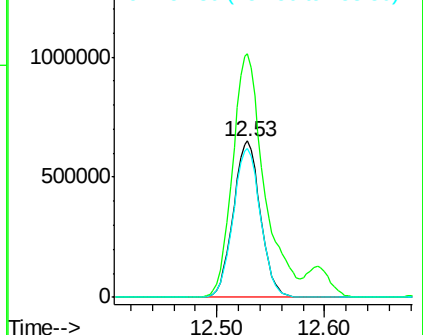
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.137 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049383.D

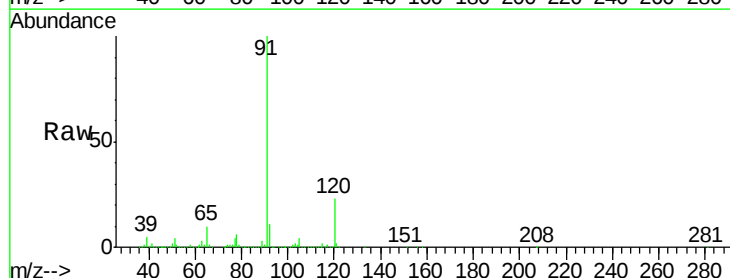
Acq: 19 Jun 2018 13:44

Tgt Ion: 91 Resp: 5224614

Ion Ratio Lower Upper

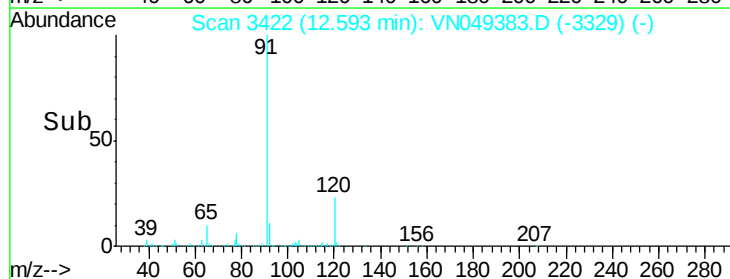
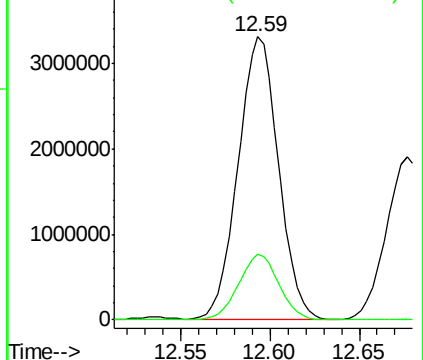
91 100

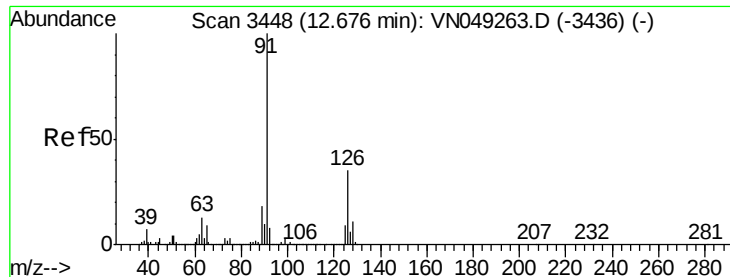
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.296 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3119052

Ion Ratio Lower Upper

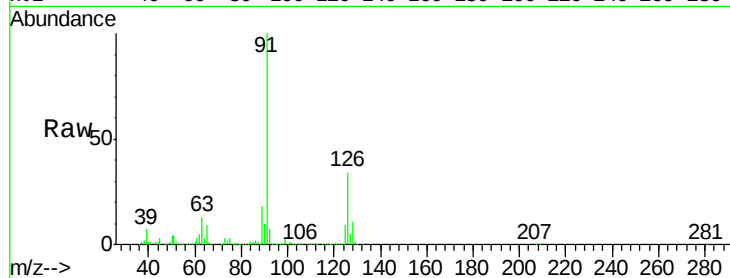
91 100

126 34.8 16.6 49.8

Manual Integrations
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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) (-)

2500000

2000000

1500000

1000000

500000

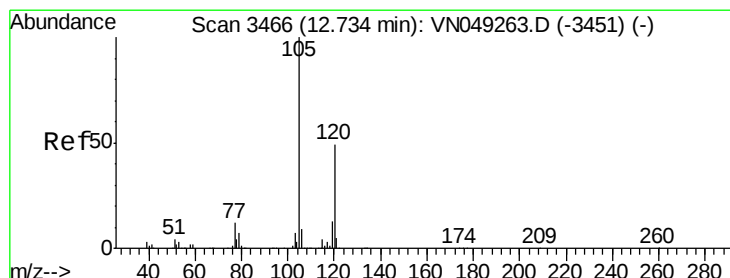
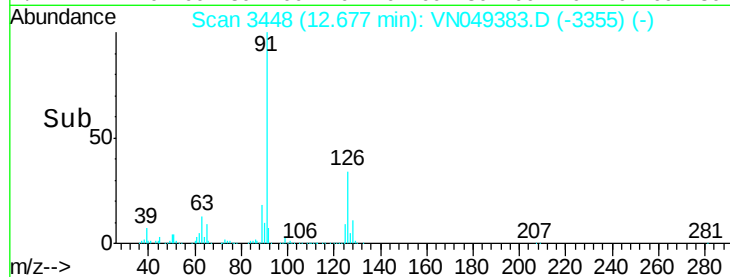
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.908 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049383.D

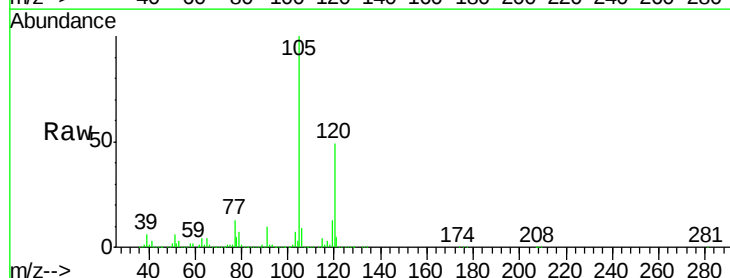
Acq: 19 Jun 2018 13:44

Tgt Ion:105 Resp: 3722664

Ion Ratio Lower Upper

105 100

120 48.8 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

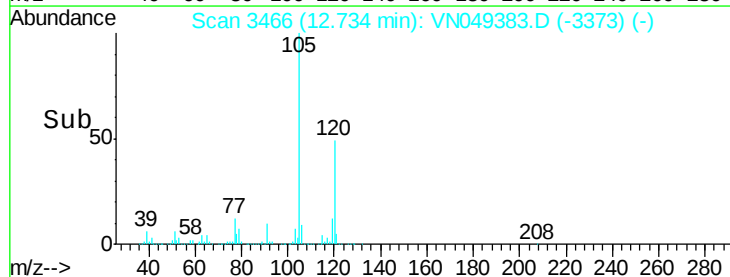
0

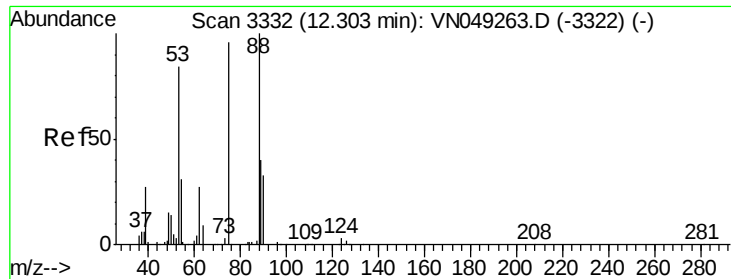
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.545 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 289048

Ion Ratio Lower Upper

75 100

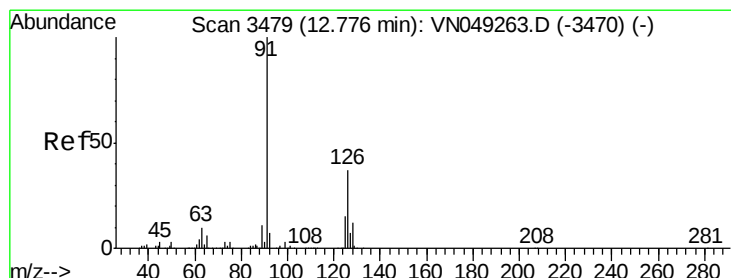
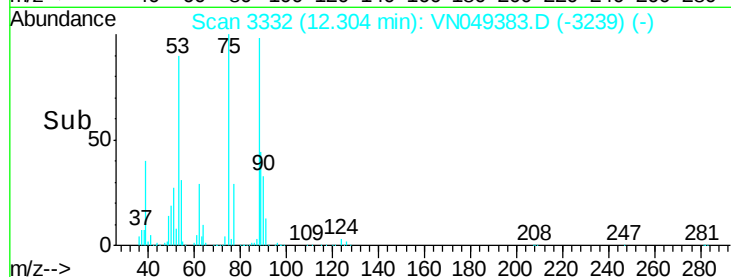
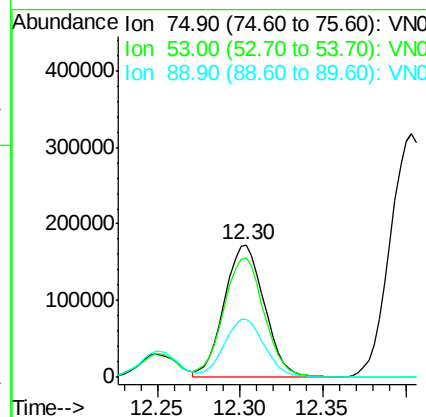
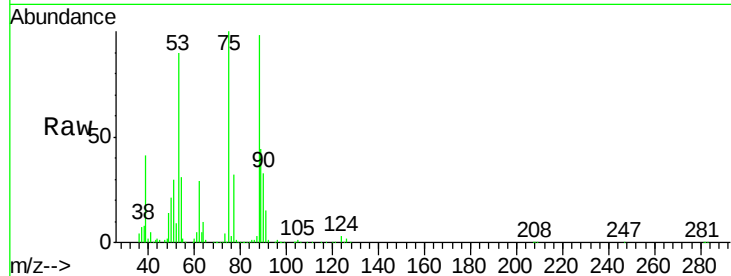
53 91.7 82.7 124.1

89 44.8 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.310 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049383.D

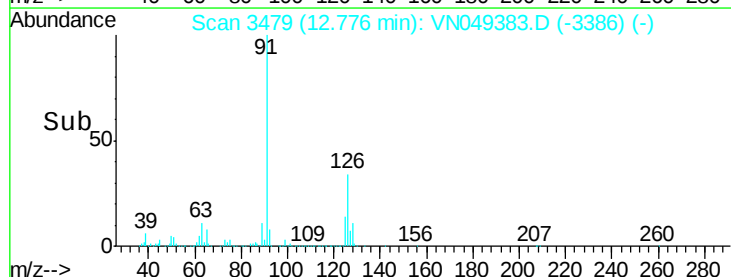
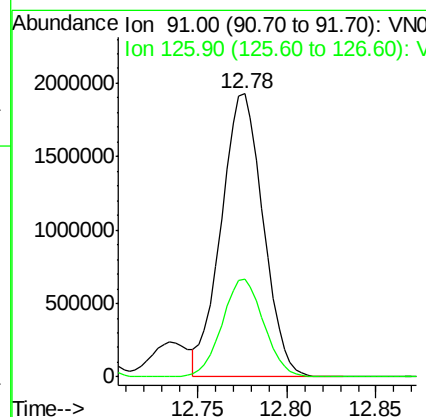
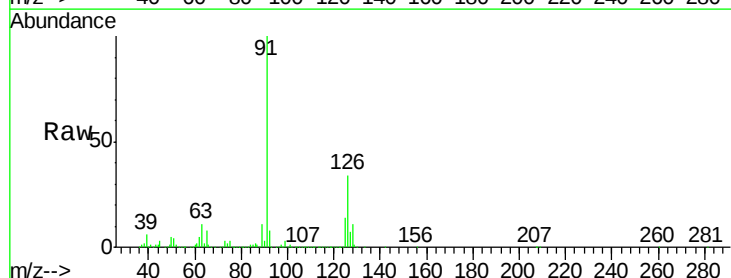
Acq: 19 Jun 2018 13:44

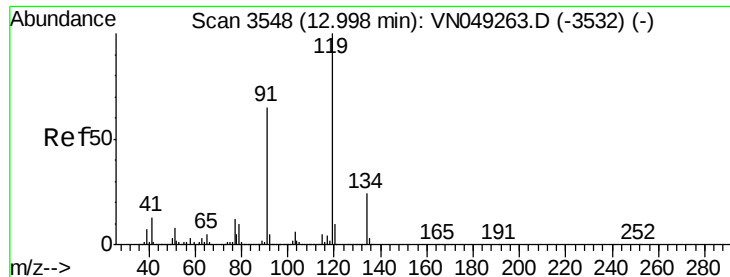
Tgt Ion: 91 Resp: 3139965

Ion Ratio Lower Upper

91 100

126 34.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 46.679 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3147673

Ion Ratio Lower Upper

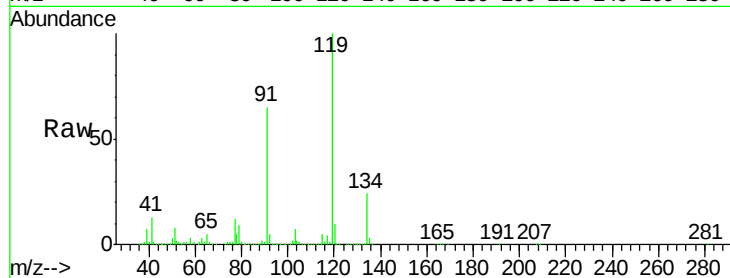
119 100

91 64.3 33.7 101.0

134 25.9 12.9 38.6

Manual Integrations
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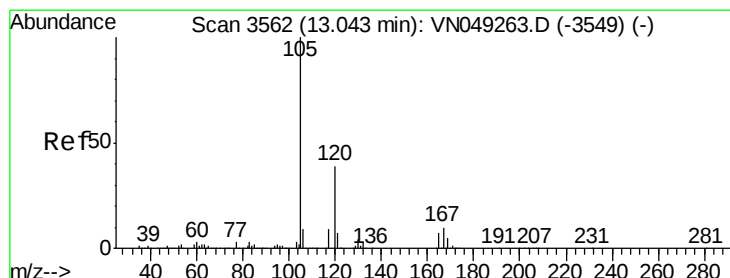
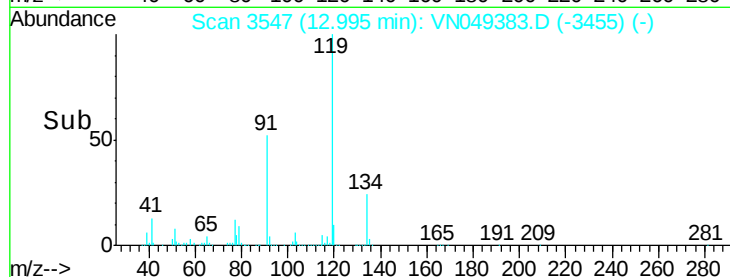
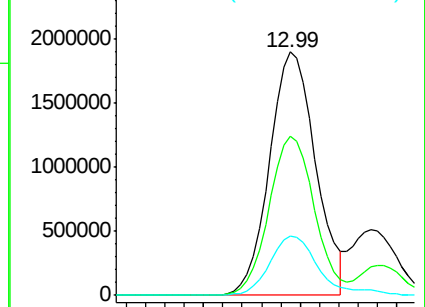
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.968 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049383.D

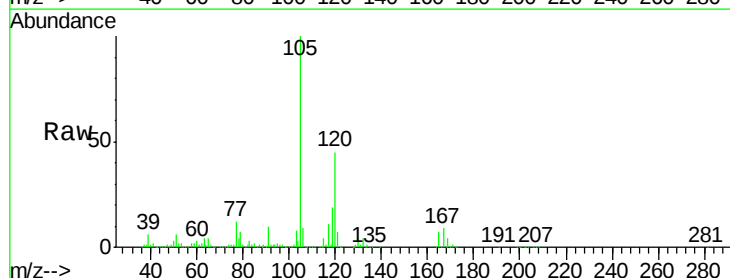
Acq: 19 Jun 2018 13:44

Tgt Ion:105 Resp: 3778271

Ion Ratio Lower Upper

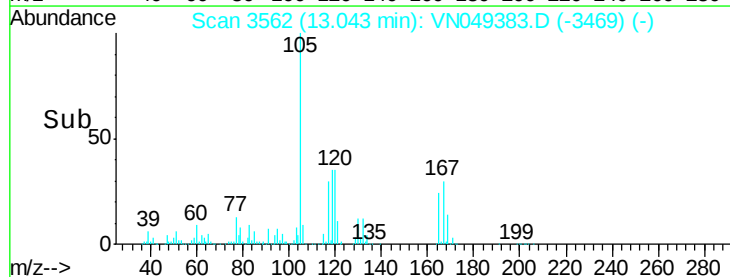
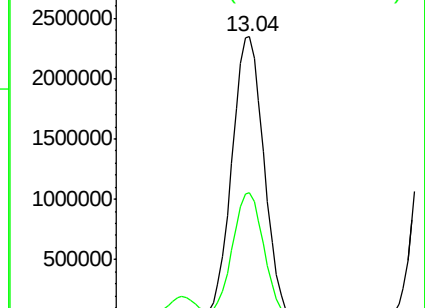
105 100

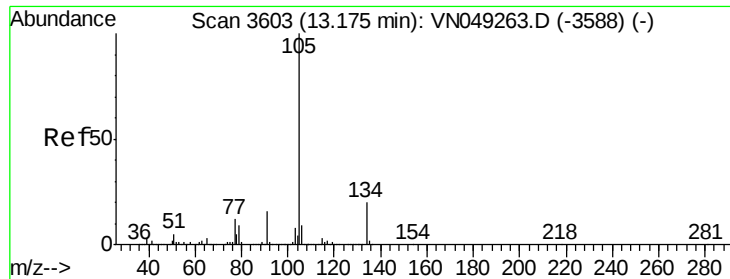
120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.344 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4249209

Ion Ratio Lower Upper

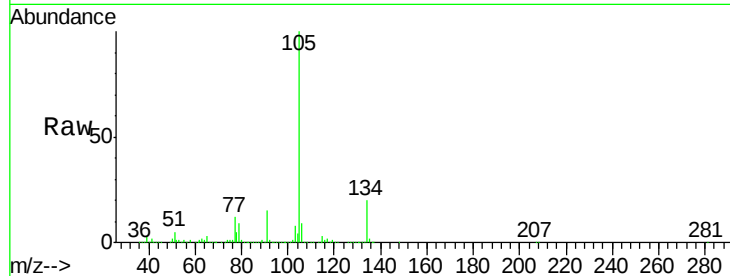
105 100

134 20.2 9.8 29.3

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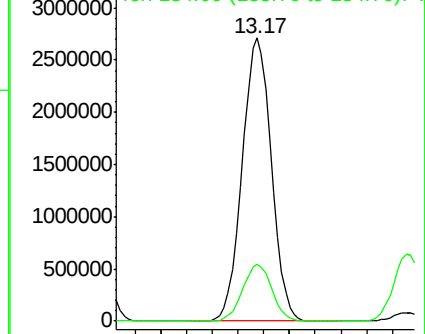
MMDadoda

6/20/2018 4:53:59 PM

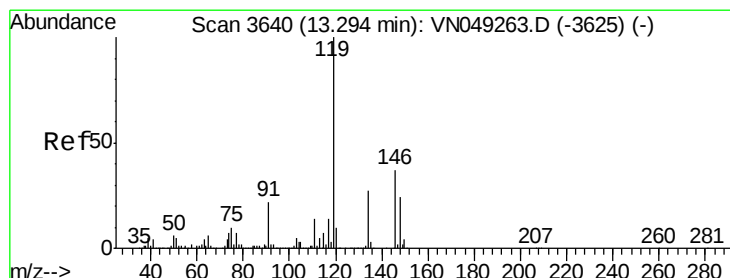
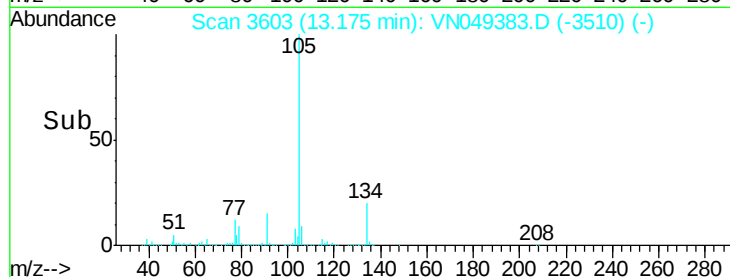


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.125 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

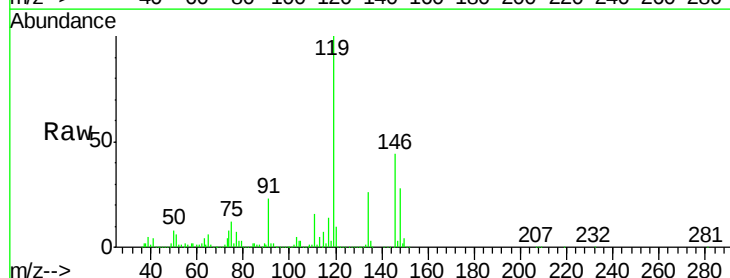
Tgt Ion:119 Resp: 3683715

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

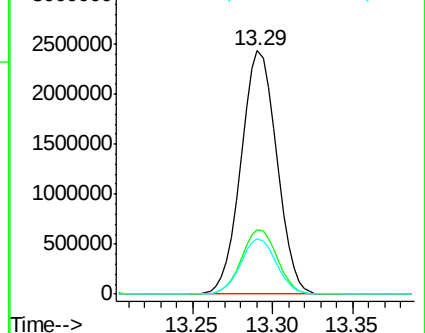
91 22.7 12.1 36.3



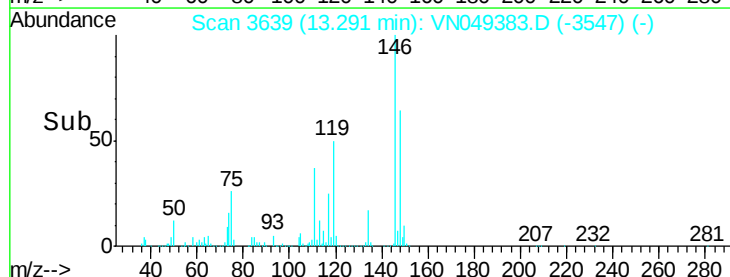
Abundance Ion 119.00 (118.70 to 119.70): V

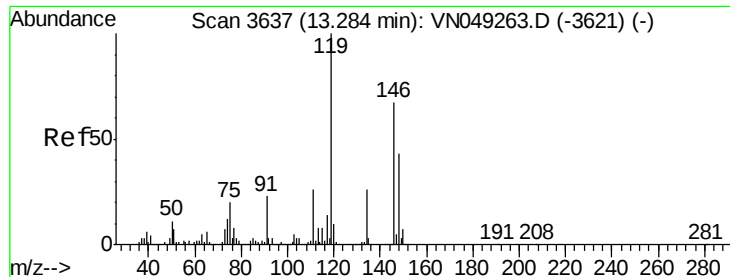
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





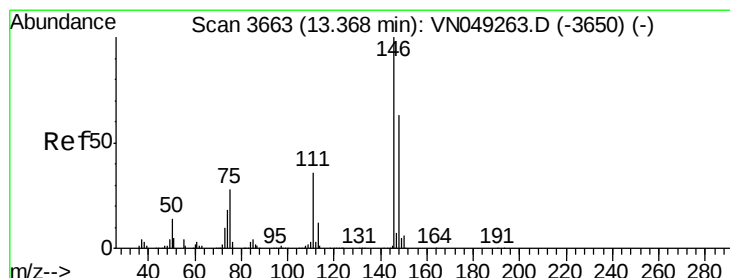
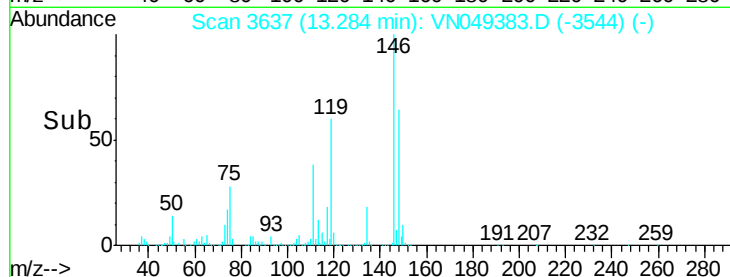
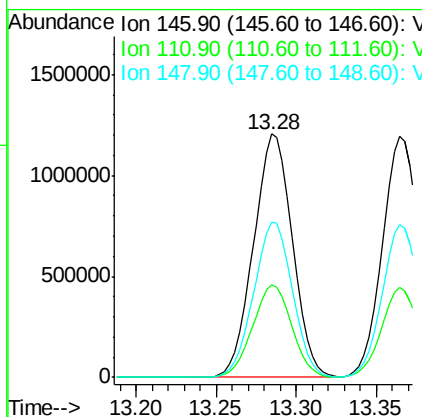
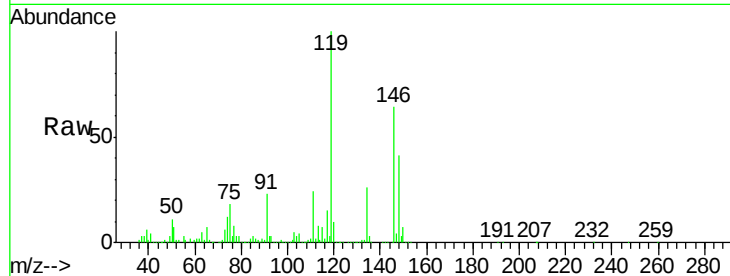
#87
 1,3-Dichlorobenzene
 Concen: 47.855 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 2013730
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.9 59.6
 148 63.7 32.1 96.5

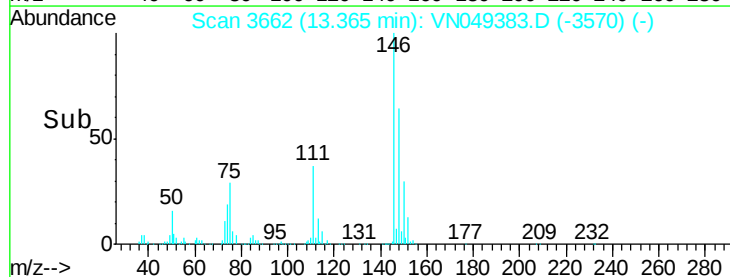
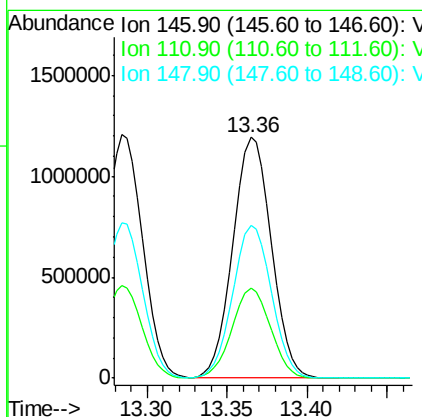
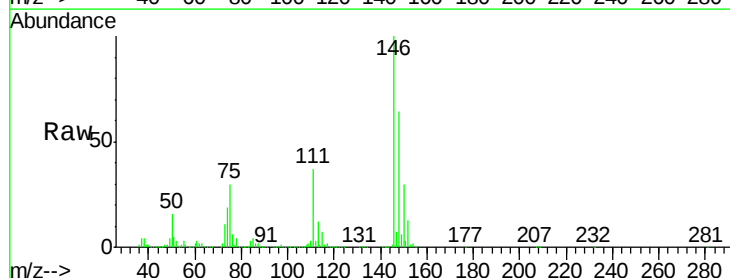
Manual Integrations
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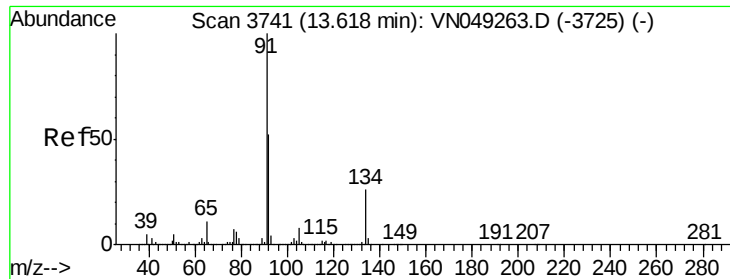
MMDadoda
 6/20/2018 4:53:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.915 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion:146 Resp: 1956701
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 63.7 32.0 96.2





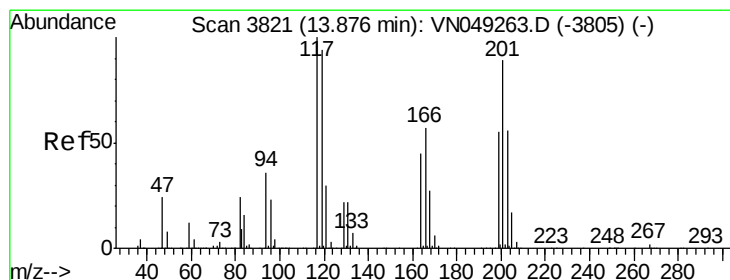
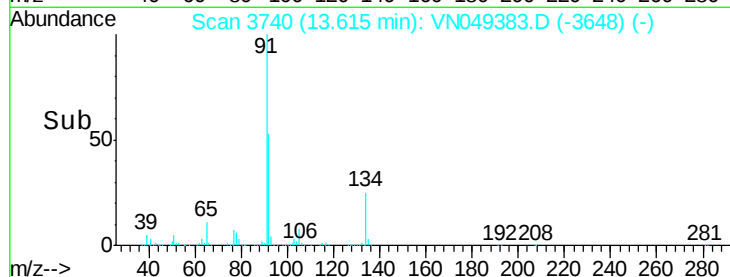
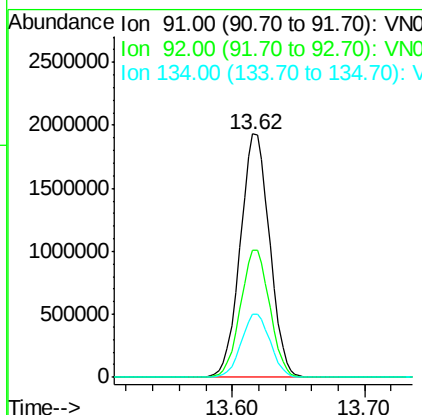
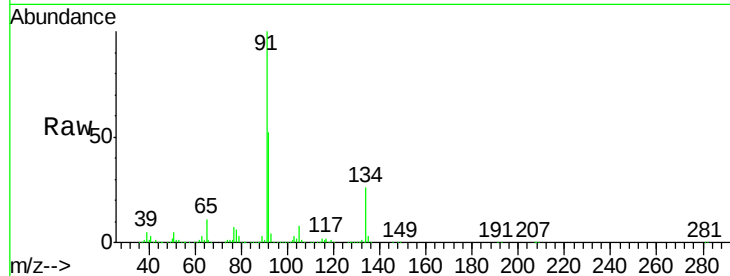
#89
n-Butylbenzene
Concen: 50.569 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.3	25.1	75.4	
134	25.8	12.0	36.0	

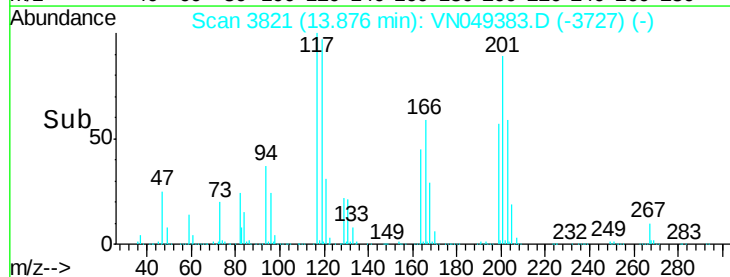
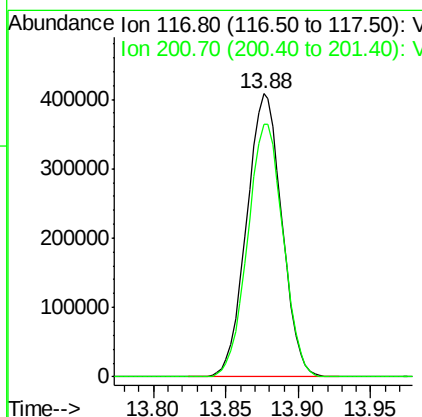
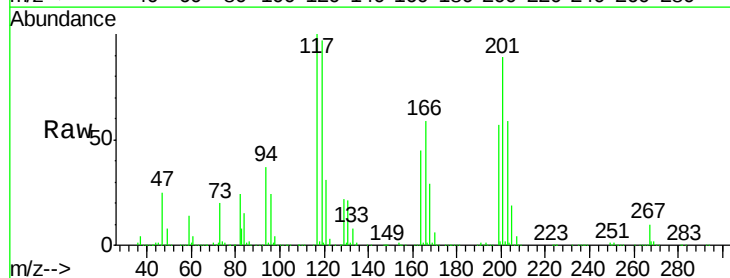
Manual Integrations
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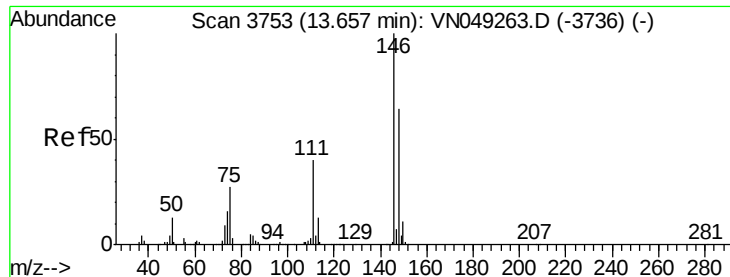
MMDadoda
6/20/2018 4:53:59 PM



#90
Hexachloroethane
Concen: 48.504 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	90.1	40.1	120.2	





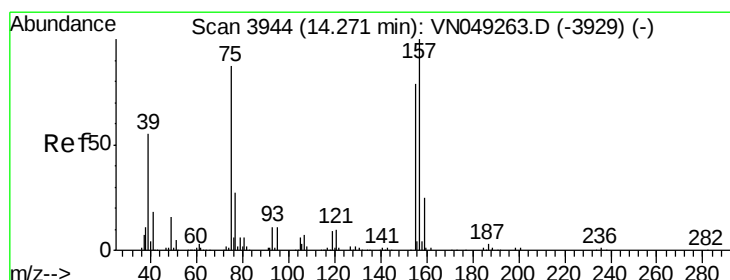
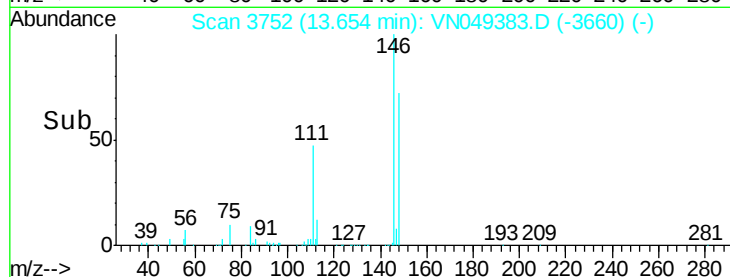
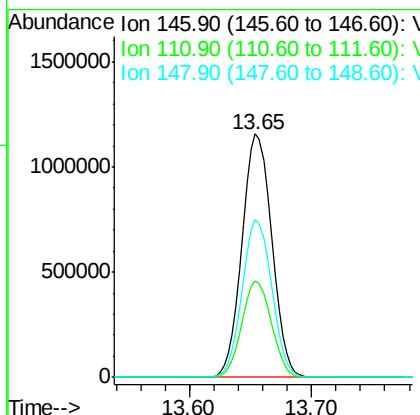
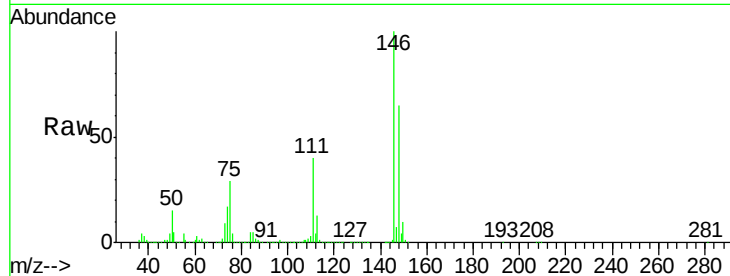
#91
 1,2-Dichlorobenzene
 Concen: 47.130 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.4	32.0	96.2

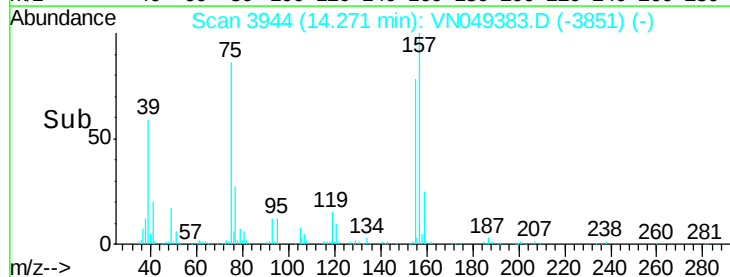
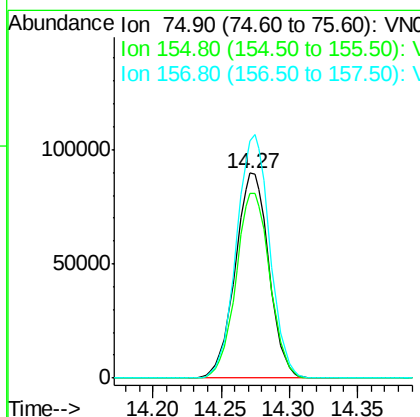
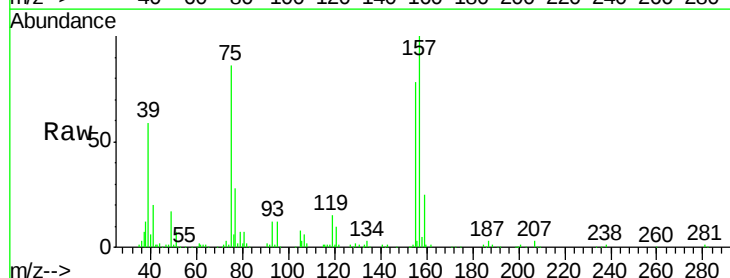
Manual Integrations
 APPROVED

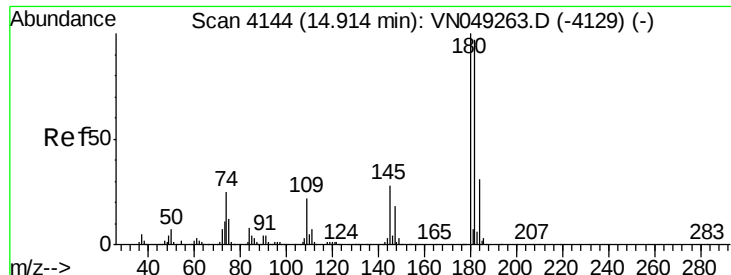
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.445 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	38.8	116.3
157	117.3	51.0	153.1





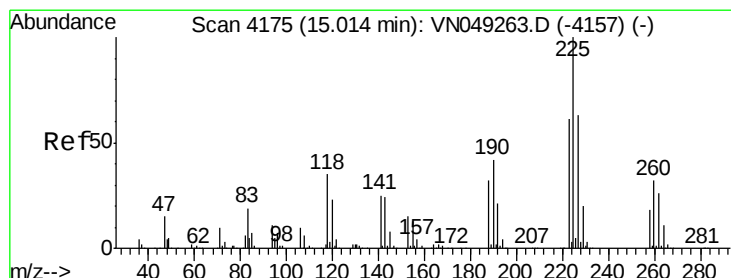
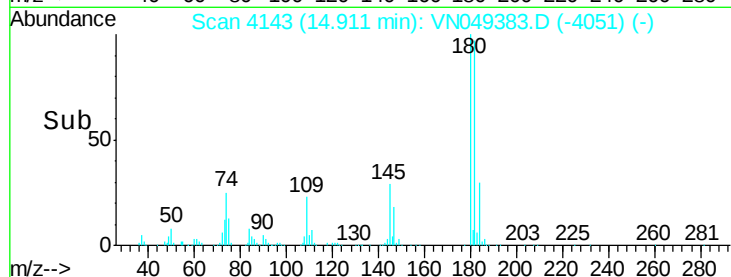
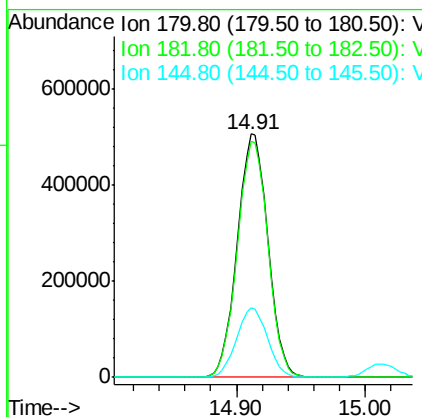
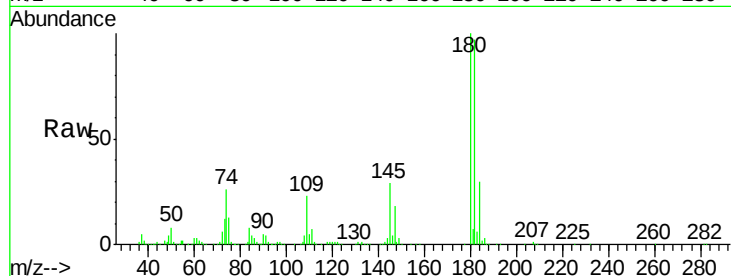
#93
 1,2,4-Trichlorobenzene
 Concen: 44.835 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	46.9	140.8	
145	28.8	14.7	44.1	

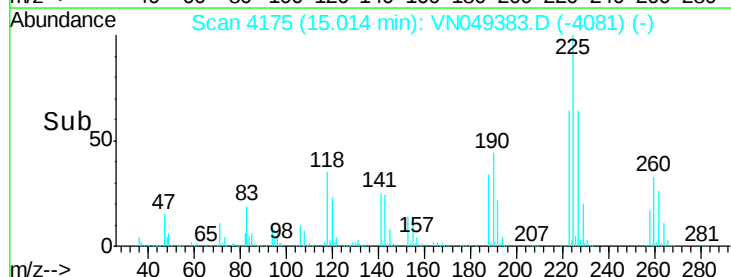
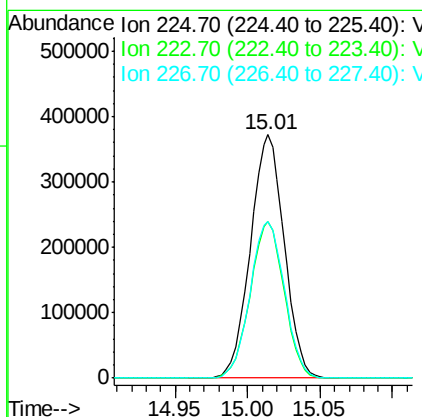
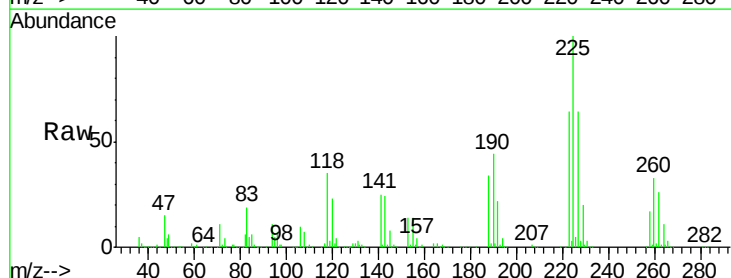
Manual Integrations
 APPROVED

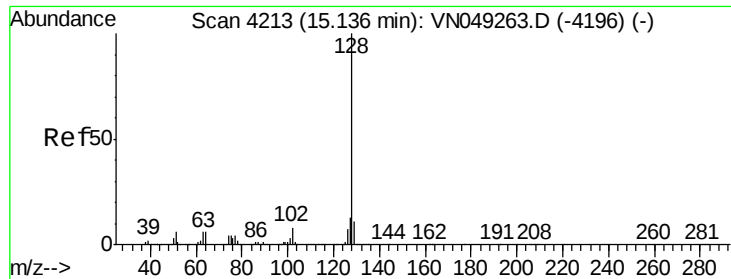
MMDadoda
 6/20/2018 4:53:59 PM



#94
 Hexachlorobutadiene
 Concen: 50.013 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	32.1	96.3	
227	65.5	31.8	95.3	





#95

Naphthalene

Concen: 49.557 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1660000

Ion Ratio Lower Upper

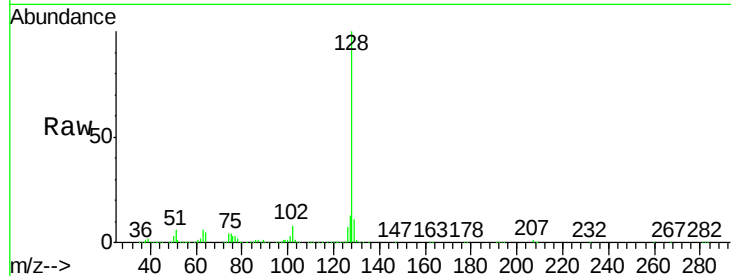
128 100

127 13.0 10.6 16.0

129 10.9 8.5 12.7

Manual Integrations
APPROVED

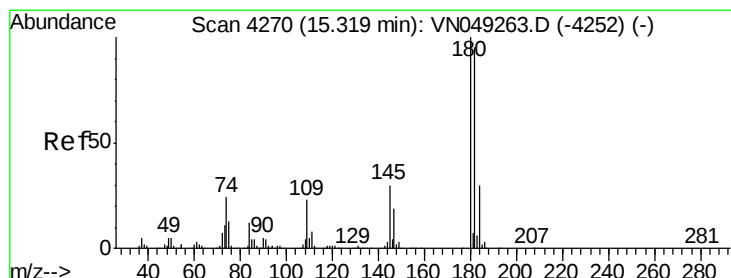
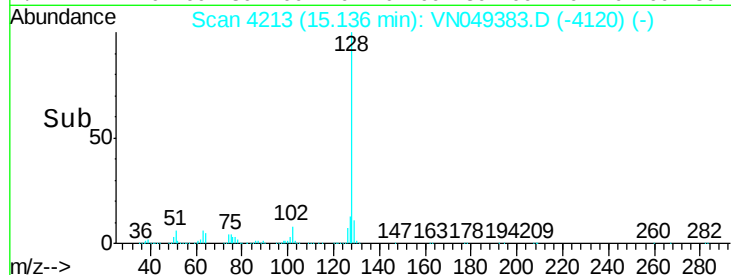
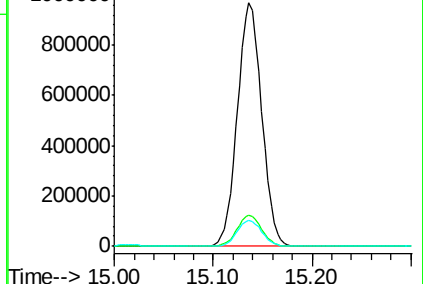
MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.815 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

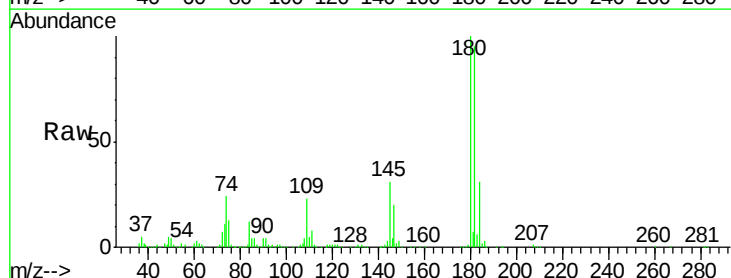
Tgt Ion:180 Resp: 841420

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.8

145 30.6 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

