

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049582.D
 Acq On : 28 Jun 2018 11:29
 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
 6/29/2018 1:46:41 PM

Quant Time: Jun 29 01:56:08 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	7.66	168	1523972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2278517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2063217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1145995	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	949569	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	7.59	113	833006	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
50) Toluene-d8	10.09	98	3333814	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
62) 4-Bromofluorobenzene	12.40	95	1148343	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	874659	49.86	ug/l	98
3) Chloromethane	2.06	50	1006850	44.45	ug/l	98
4) Vinyl Chloride	2.18	62	1103489	45.84	ug/l	98
5) Bromomethane	2.56	94	519315	41.04	ug/l	97
6) Chloroethane	2.70	64	679467	47.34	ug/l	100
7) Trichlorofluoromethane	3.02	101	1229168	40.93	ug/l	99
8) Diethyl Ether	3.41	74	489719	46.71	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	897205	47.10	ug/l	92
10) Methyl Iodide	3.95	142	1091383	55.04	ug/l	91
11) Tert butyl alcohol	4.79	59	254474	214.50	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	820450	46.95	ug/l	91
13) Acrolein	3.60	56	306322	246.22	ug/l	98
14) Allyl chloride	4.32	41	1066042	38.64	ug/l	89
15) Acrylonitrile	4.99	53	1348153	227.26	ug/l	98
16) Acetone	3.82	43	918610	187.17	ug/l	94
17) Carbon Disulfide	4.05	76	2439298	44.54	ug/l	100
18) Methyl Acetate	4.32	43	918380	61.37	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	2155477	48.38	ug/l	100
20) Methylene Chloride	4.55	84	916437	44.71	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	866294	46.83	ug/l	92
22) Diisopropyl ether	5.95	45	2677619	48.60	ug/l	98
23) Vinyl Acetate	5.90	43	8886748	247.42	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1619237	45.92	ug/l	98
25) 2-Butanone	6.84	43	1454481	220.71	ug/l	94
26) 2,2-Dichloropropane	6.82	77	1345783	47.25	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	976390	47.47	ug/l	91
28) Bromochloromethane	7.19	49	727429	46.53	ug/l	84
29) Tetrahydrofuran	7.21	42	983102	231.75	ug/l	93
30) Chloroform	7.37	83	1635203	46.59	ug/l	99
31) Cyclohexane	7.65	56	1471327	49.21	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1415773	47.28	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1258515	48.19	ug/l	97
37) Ethyl Acetate	6.93	43	678011	47.76	ug/l #	96
38) Carbon Tetrachloride	7.77	117	1224918	45.31	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1431971	51.08	ug/l	94
40) Benzene	8.04	78	3707201	46.30	ug/l	100
41) Methacrylonitrile	7.18	41	381812	49.75	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1146054	46.33	ug/l	97
43) Isopropyl Acetate	8.17	43	1466677	54.07	ug/l #	89
44) Trichloroethene	8.83	130	1090018	51.56	ug/l	93
45) 1,2-Dichloropropane	9.12	63	970976	46.32	ug/l	99
46) Dibromomethane	9.21	93	568557	46.78	ug/l	90
47) Bromodichloromethane	9.40	83	1238992	46.39	ug/l	97
48) Methyl methacrylate	9.20	41	614189	48.08	ug/l #	84
49) 1,4-Dioxane	9.20	88	160969	913.06	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3385275	238.13	ug/l	94
52) Toluene	10.16	92	2293155	48.80	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1211635	47.42	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1442130	47.80	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	794995	45.38	ug/l	97
56) Ethyl methacrylate	10.43	69	1022986	50.62	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1344395	46.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2368875	323.42	ug/l	94
59) 2-Hexanone	10.75	43	2290259	249.88	ug/l	92
60) Dibromochloromethane	10.90	129	911882	46.64	ug/l	98
61) 1,2-Dibromoethane	11.01	107	788660	48.44	ug/l	99
64) Tetrachloroethene	10.63	164	1268726	60.01	ug/l	97
65) Chlorobenzene	11.44	112	2526126	47.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	902823	45.14	ug/l	99
67) Ethyl Benzene	11.51	91	4380900	49.69	ug/l	98
68) m/p-Xylenes	11.62	106	3443039	104.07	ug/l	96
69) o-Xylene	11.95	106	1640802	51.49	ug/l	95
70) Styrene	11.96	104	2710254	53.91	ug/l	97
71) Bromoform	12.13	173	606025	46.81	ug/l	99
73) Isopropylbenzene	12.25	105	4326817	43.00	ug/l	97
74) N-amyl acetate	12.07	43	1152993	46.78	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	873663	41.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	793558m	40.58	ug/l	
77) Bromobenzene	12.53	156	1104600	41.56	ug/l	89
78) n-propylbenzene	12.59	91	5127568	46.41	ug/l	98
79) 2-Chlorotoluene	12.68	91	3017021	43.10	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3732340	47.19	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	251853	40.71	ug/l	92
82) 4-Chlorotoluene	12.77	91	3137206	46.45	ug/l	97
83) tert-Butylbenzene	12.99	119	3097918	44.21	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3817770	48.59	ug/l	97
85) sec-Butylbenzene	13.17	105	4218479	45.23	ug/l	98
86) p-Isopropyltoluene	13.29	119	3773973	48.44	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2047812	46.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1997508	46.09	ug/l	99
89) n-Butylbenzene	13.62	91	3210697	52.76	ug/l	97
90) Hexachloroethane	13.88	117	407769	26.87	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	1970662	45.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	142577	40.70	ug/l	83

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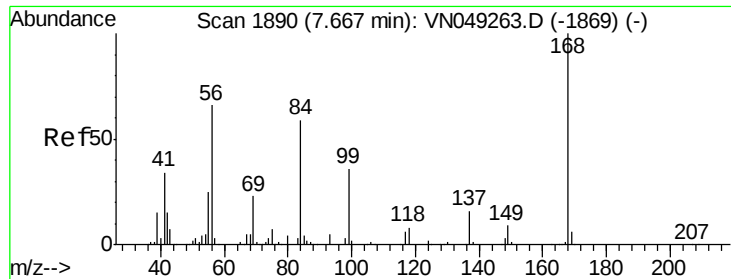
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1000062	50.80	ug/l	99
94) Hexachlorobutadiene	15.01	225	623091	49.66	ug/l	98
95) Naphthalene	15.14	128	2018753	56.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	944894	49.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1523972

Ion Ratio Lower Upper

168 100

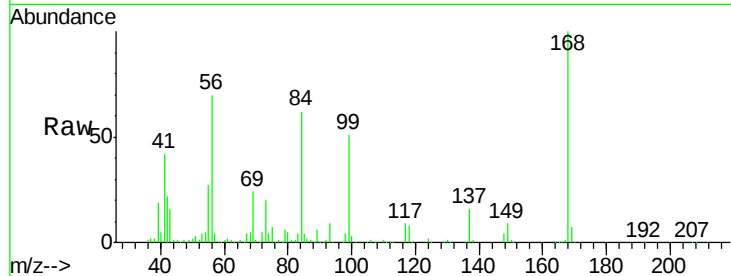
99 50.8 45.8 68.6

Manual Integrations

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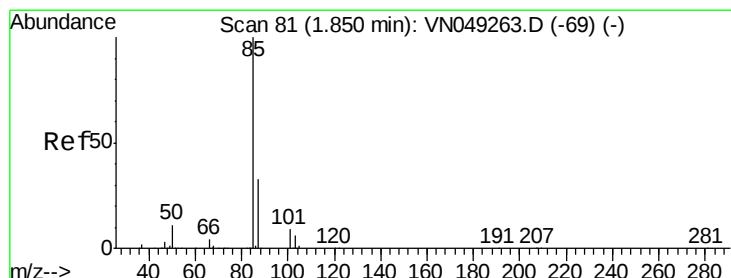
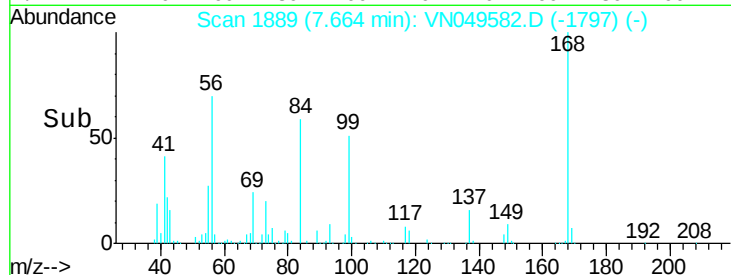
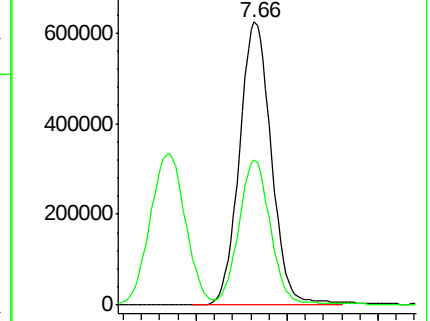
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.86 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049582.D

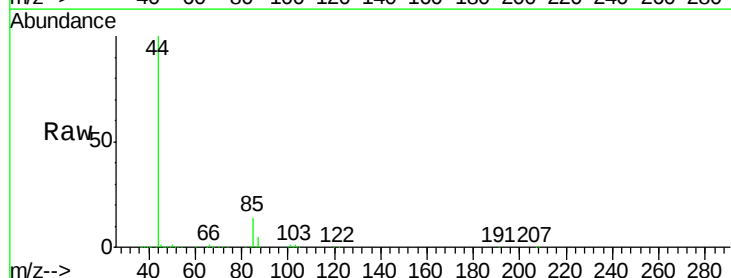
Acq: 28 Jun 2018 11:29

Tgt Ion: 85 Resp: 874659

Ion Ratio Lower Upper

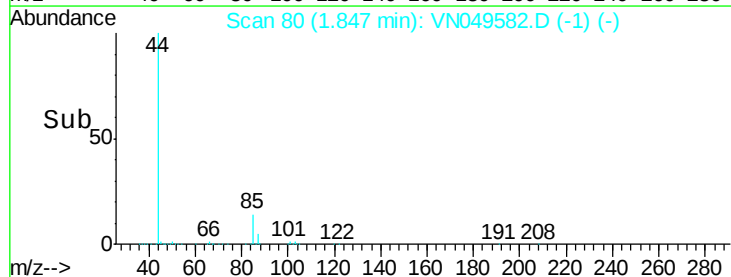
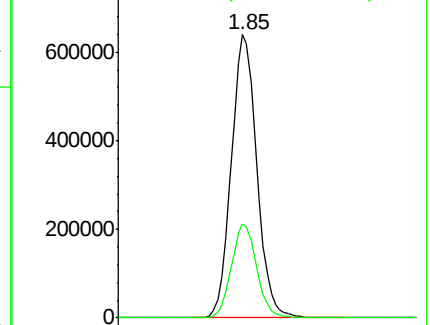
85 100

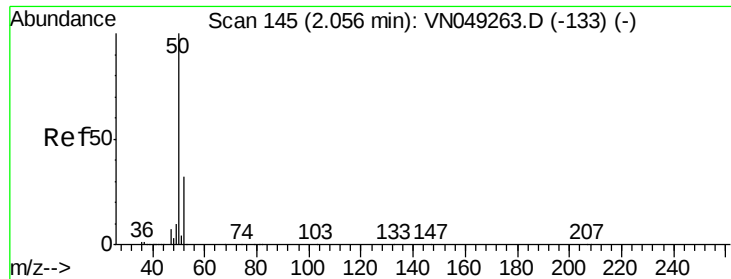
87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 1006850

Ion Ratio Lower Upper

50 100

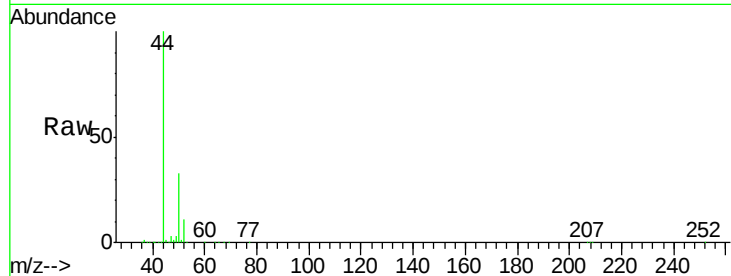
52 32.8 25.2 37.8

Manual Integrations

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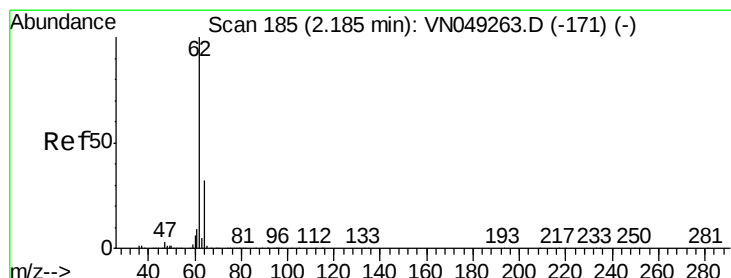
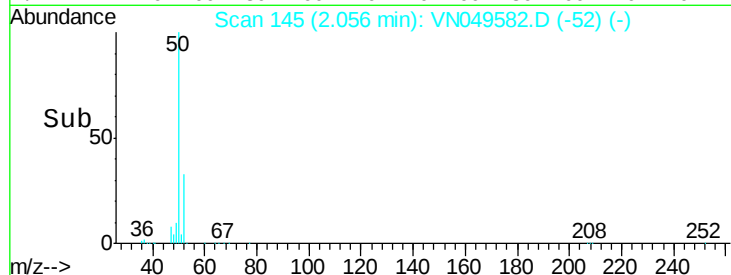
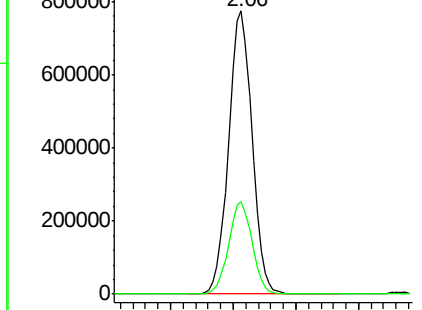
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.84 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049582.D

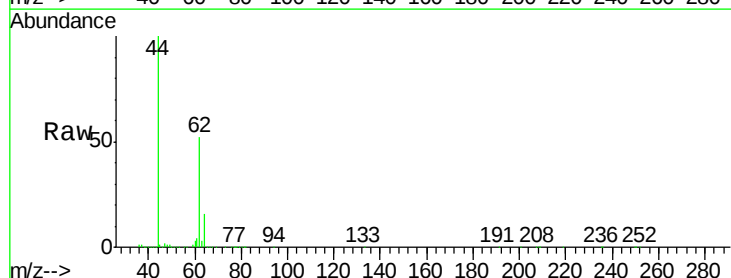
Acq: 28 Jun 2018 11:29

Tgt Ion: 62 Resp: 1103489

Ion Ratio Lower Upper

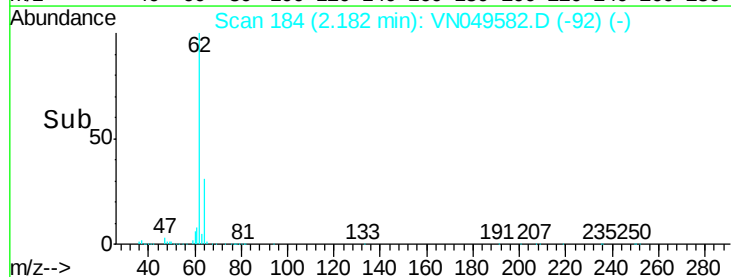
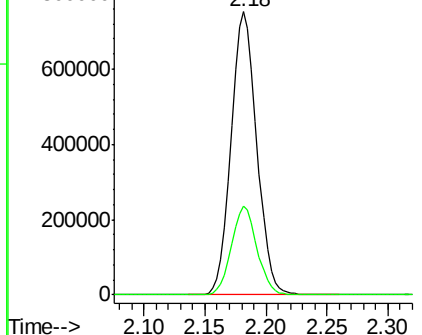
62 100

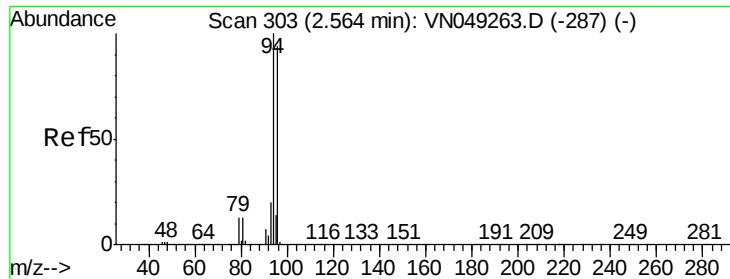
64 31.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 41.04 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 519315

Ion Ratio Lower Upper

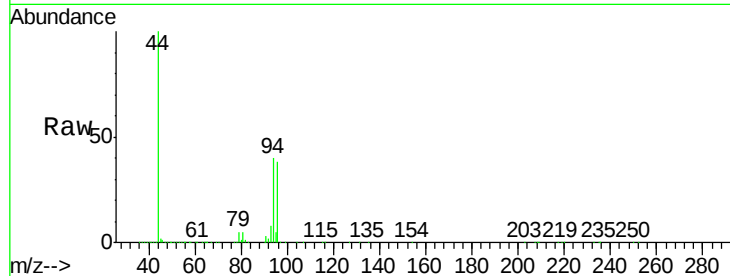
94 100

96 94.0 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

250000

200000

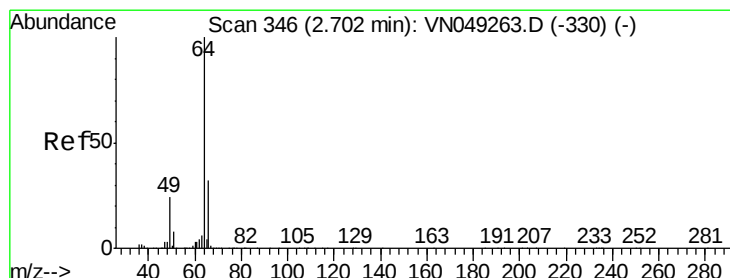
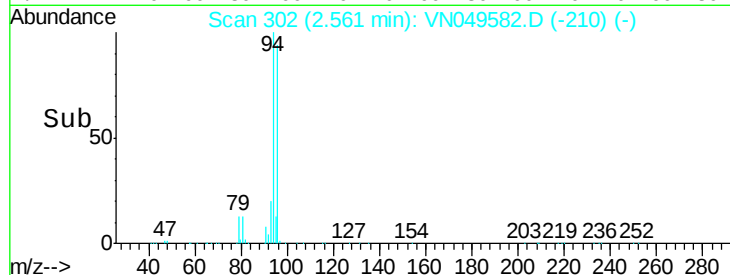
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.34 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049582.D

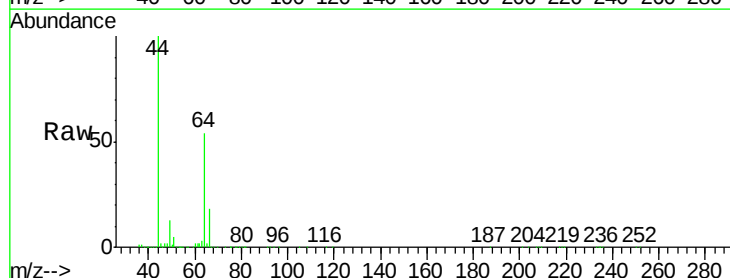
Acq: 28 Jun 2018 11:29

Tgt Ion: 64 Resp: 679467

Ion Ratio Lower Upper

64 100

66 32.1 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

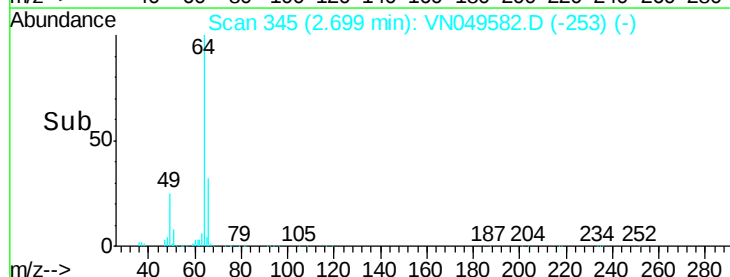
300000

200000

100000

0

Time-->





#7

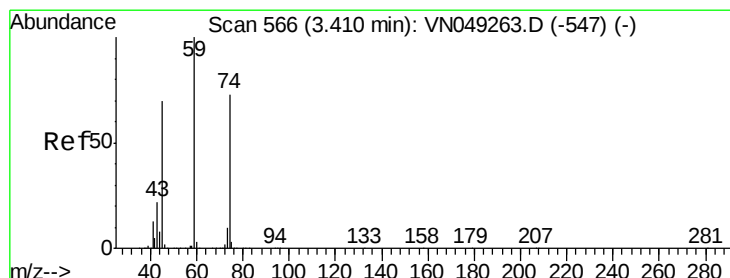
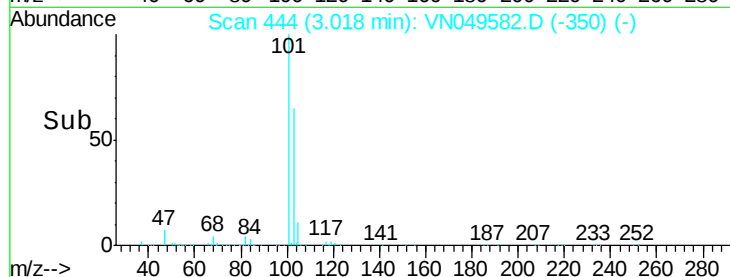
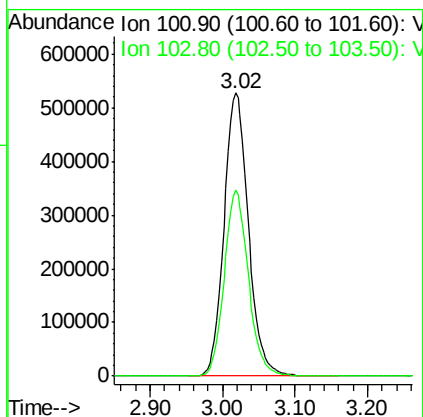
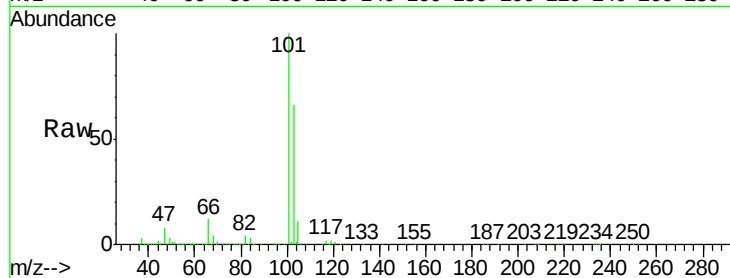
Trichlorofluoromethane
Concen: 40.93 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1229168
Ion Ratio Lower Upper
101 100
103 65.5 51.7 77.5

Manual Integrations
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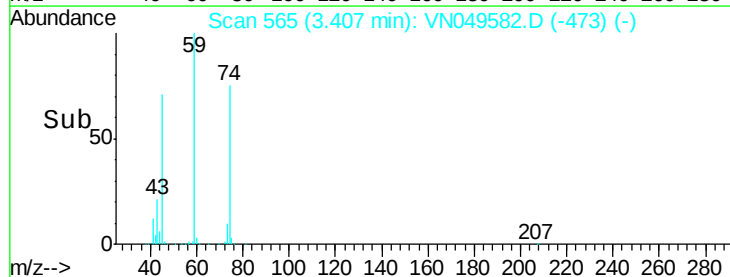
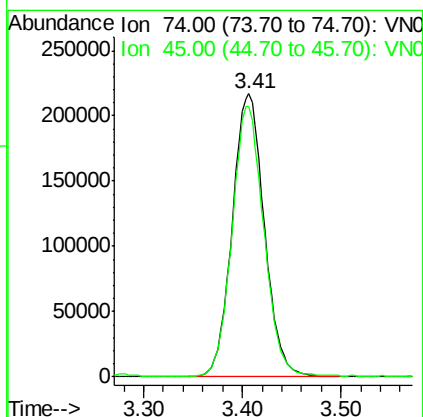
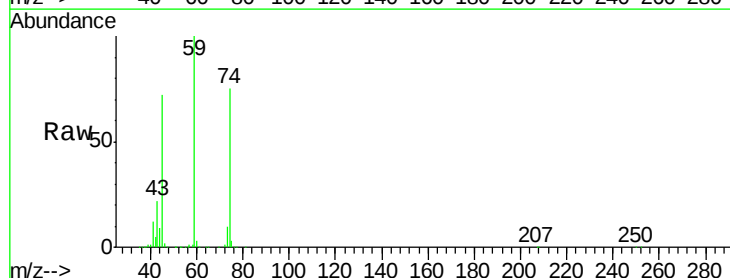
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6/29/2018 1:46:41 PM



#8

Diethyl Ether
Concen: 46.71 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 74 Resp: 489719
Ion Ratio Lower Upper
74 100
45 94.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.10 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

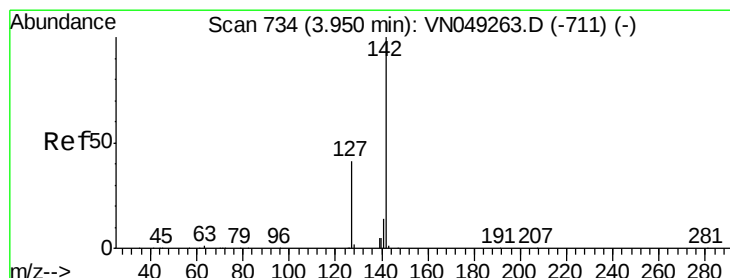
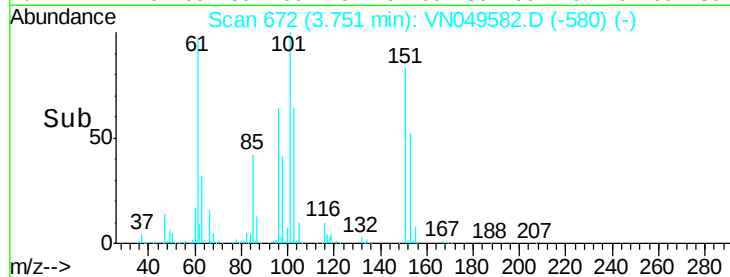
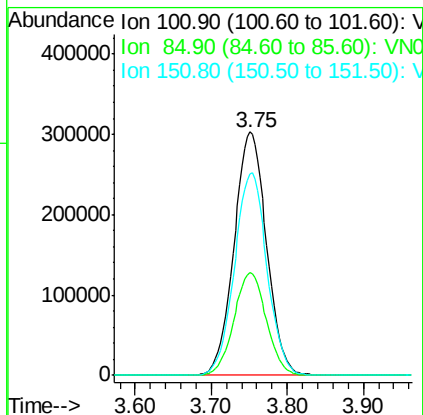
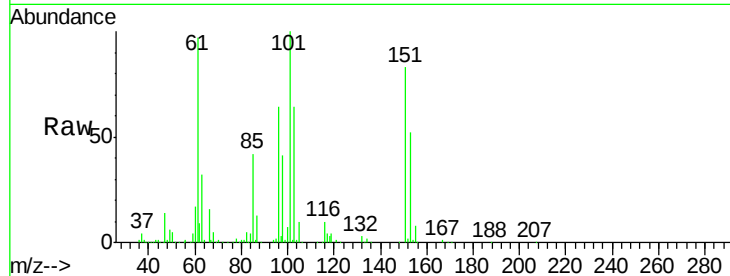
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	897205
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.6	56.4
151	83.5	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 55.04 ug/l

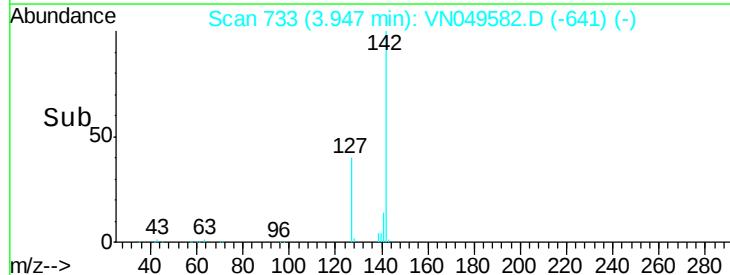
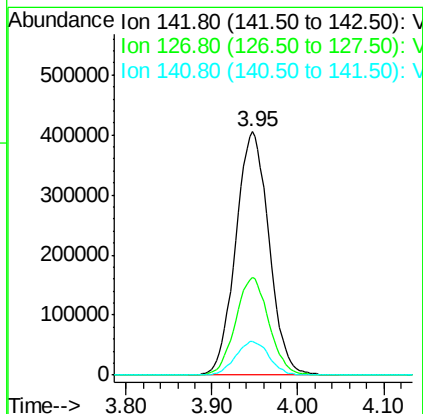
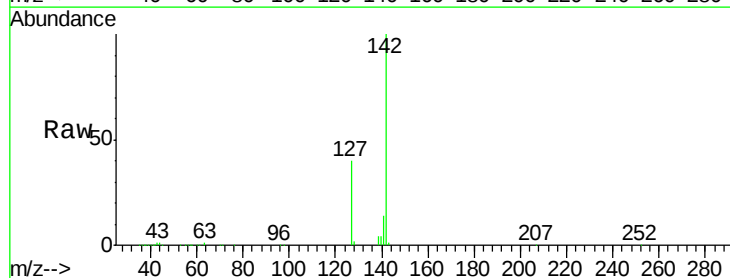
RT: 3.95 min Scan# 733

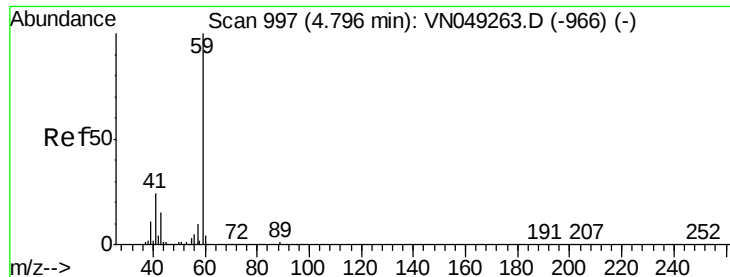
Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion:	142	Resp:	1091383
Ion Ratio	Lower	Upper	
142	100		
127	40.2	38.2	57.4
141	14.0	11.9	17.9





#11

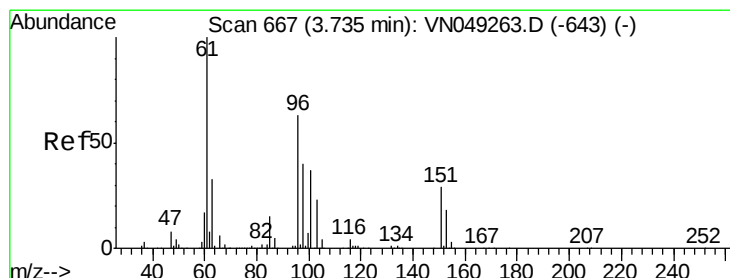
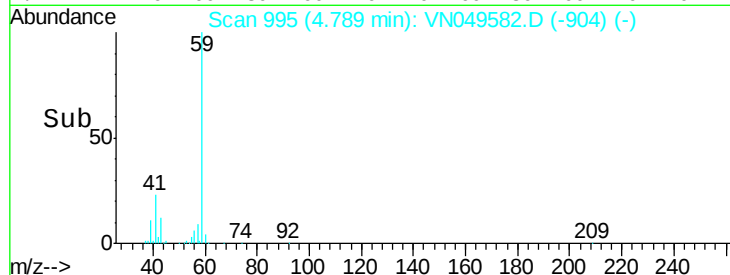
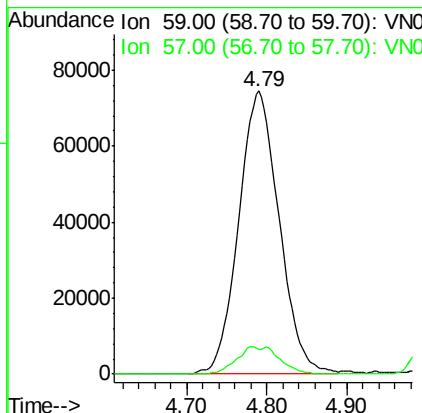
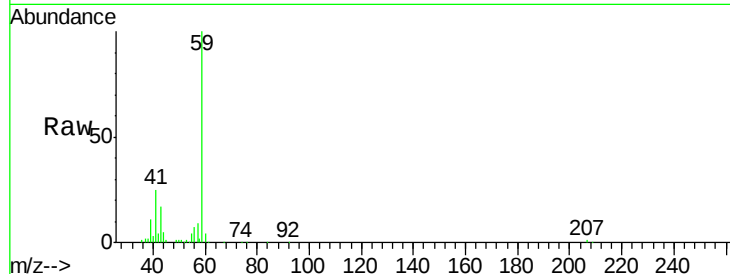
Tert butyl alcohol
Concen: 214.50 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	254474		
57	57	0.0	9.0	13.6#	

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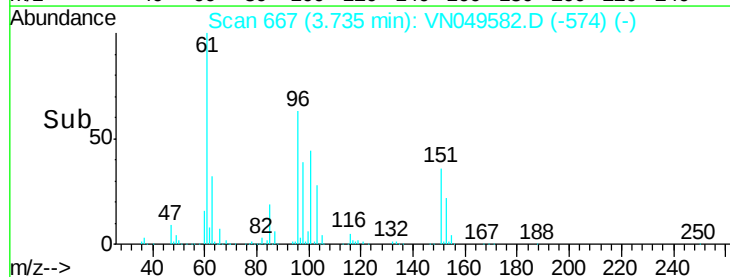
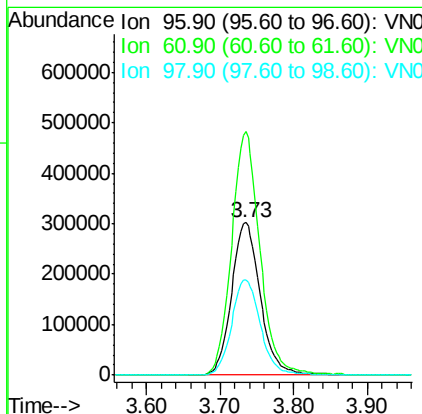
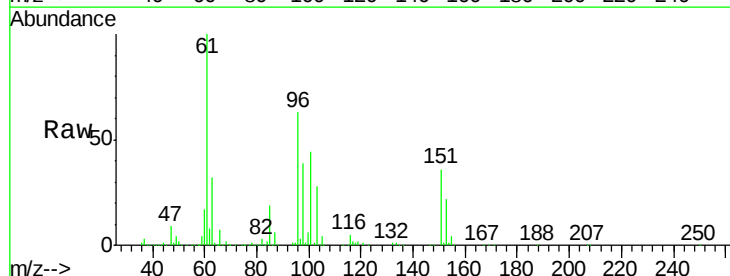
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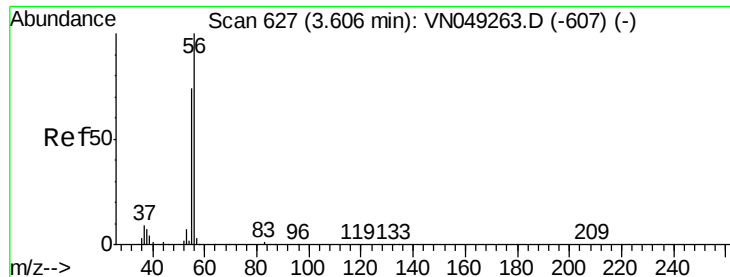


#12

1,1-Dichloroethene
Concen: 46.95 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	820450		
61	61	159.7	141.0	211.4	
98	98	62.1	50.4	75.6	





#13

Acrolein

Concen: 246.22 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 306322

Ion Ratio Lower Upper

56 100

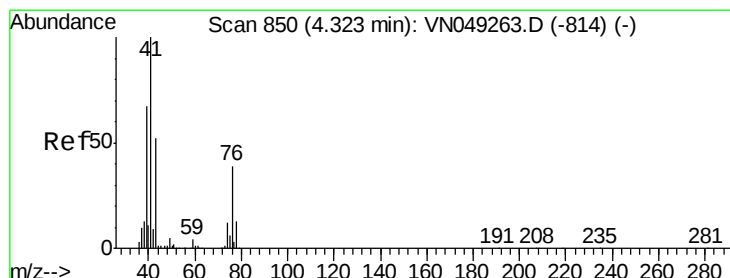
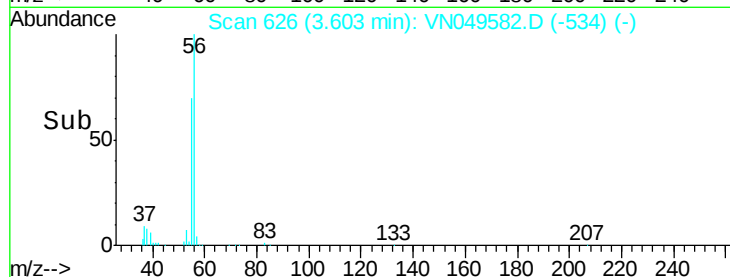
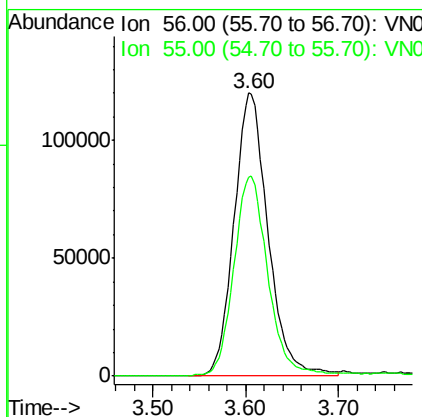
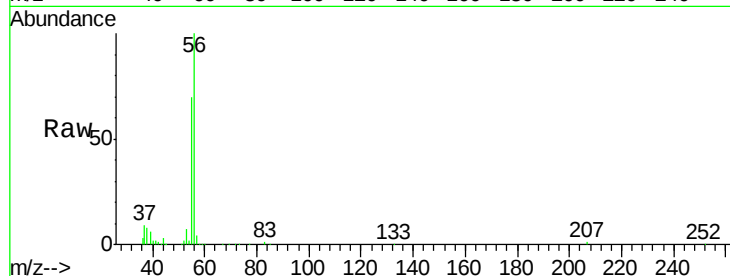
55 69.8 57.1 85.7

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#14

Allyl chloride

Concen: 38.64 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

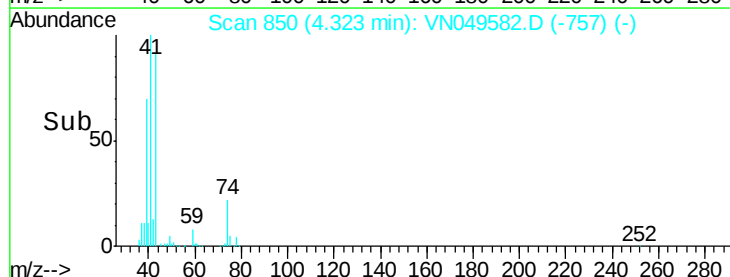
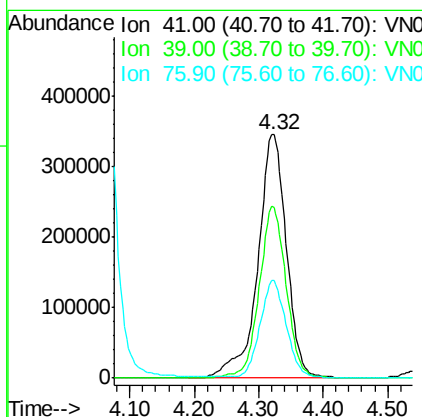
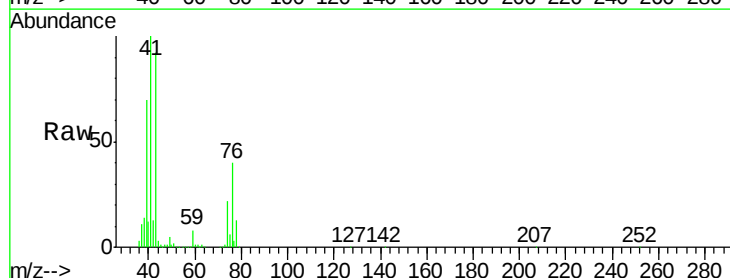
Tgt Ion: 41 Resp: 1066042

Ion Ratio Lower Upper

41 100

39 66.2 62.5 93.7

76 36.4 27.1 40.7





#15
 Acrylonitrile
 Concen: 227.26 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

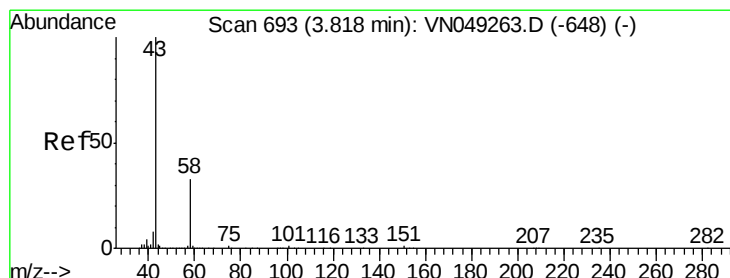
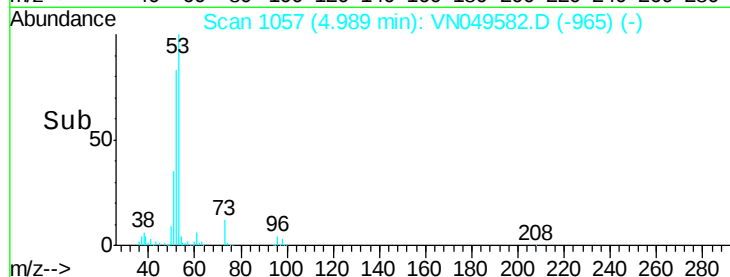
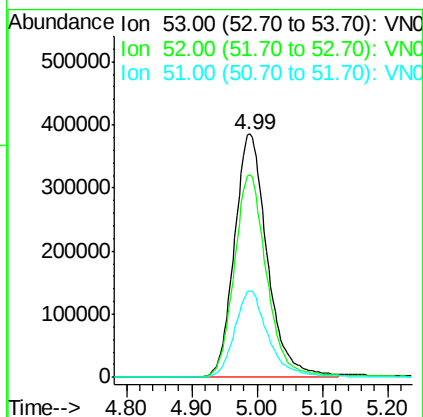
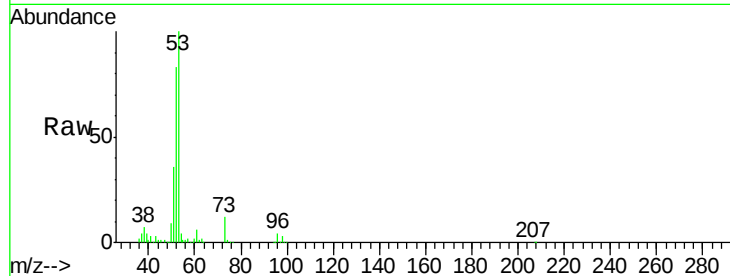
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 1348153

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	100.0
51	36.0	29.8	44.8

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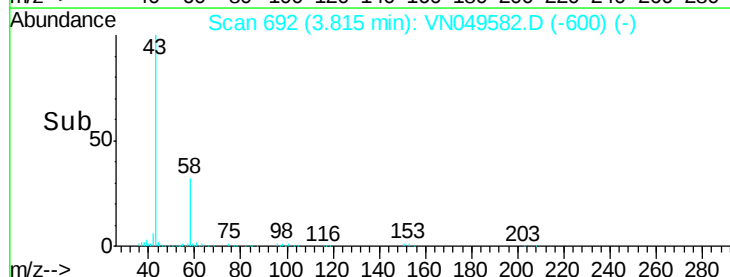
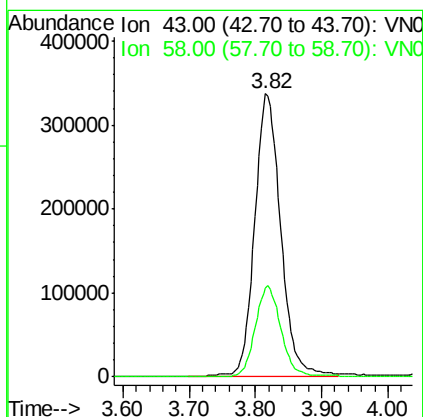
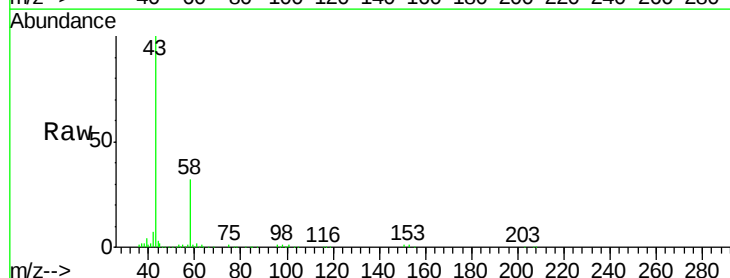
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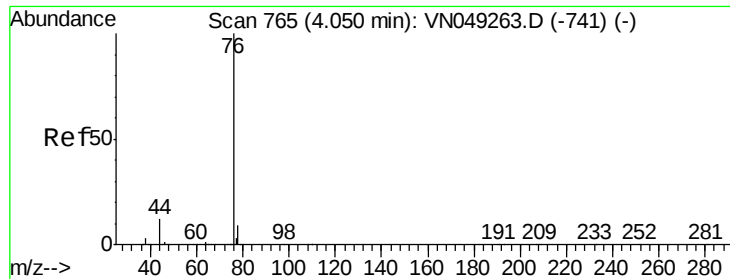


#16
 Acetone
 Concen: 187.17 ug/l
 RT: 3.82 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion: 43 Resp: 918610

Ion	Ratio	Lower	Upper
43	100		
58	31.3	22.4	33.6





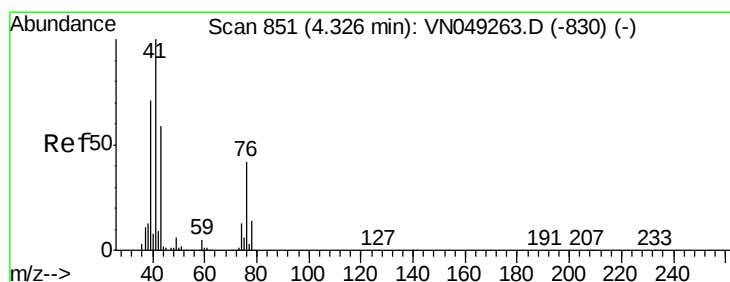
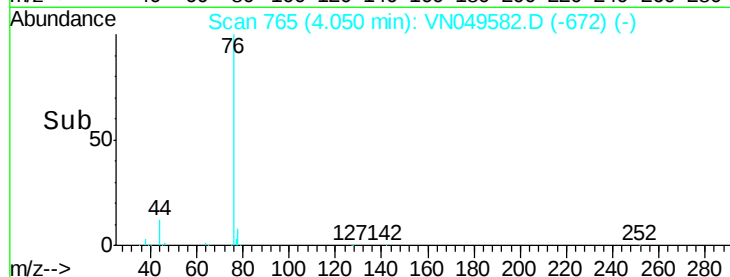
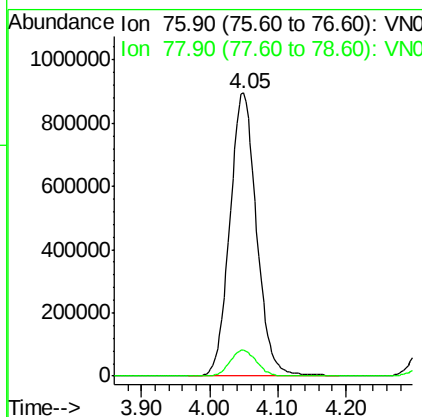
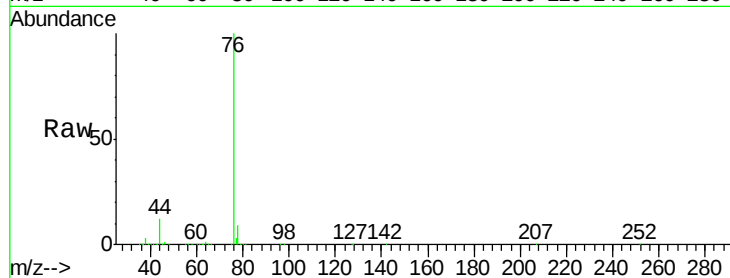
#17
Carbon Disulfide
Concen: 44.54 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2439298
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

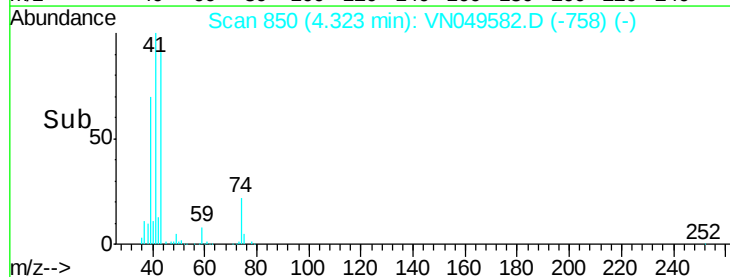
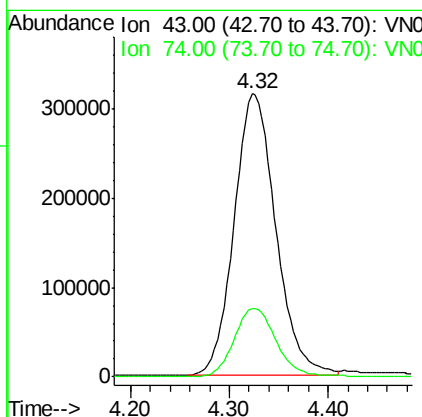
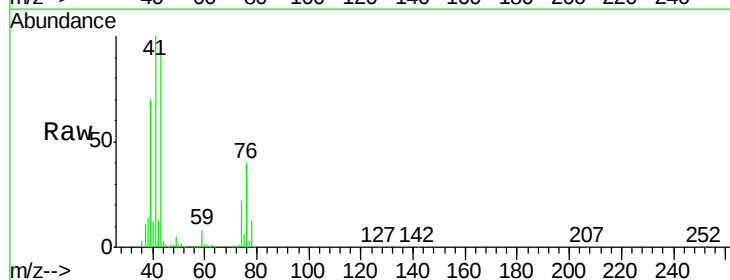
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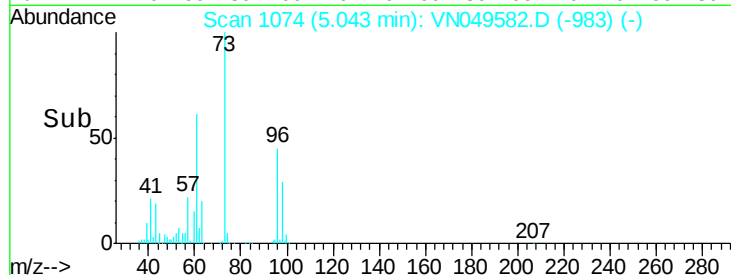
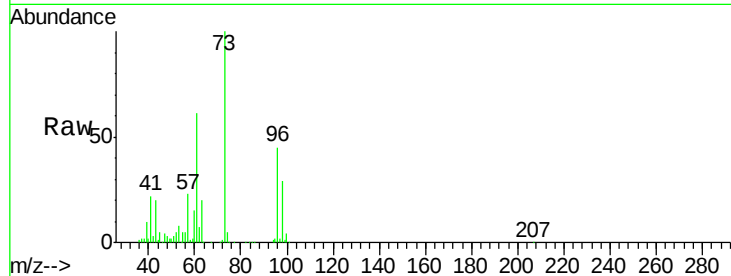
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#18
Methyl Acetate
Concen: 61.37 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 43 Resp: 918380
Ion Ratio Lower Upper
43 100
74 24.9 17.4 26.0





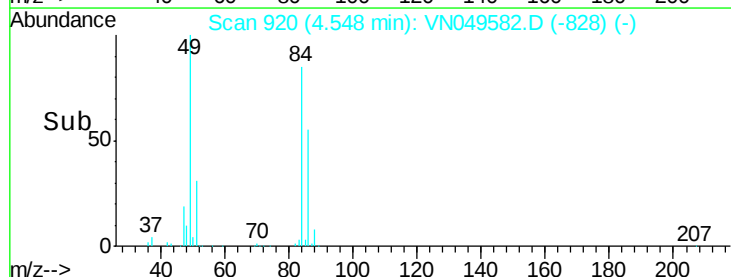
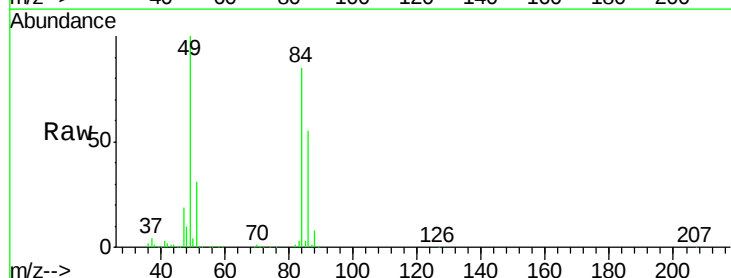
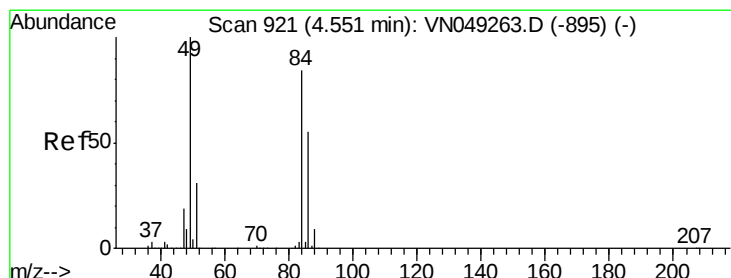
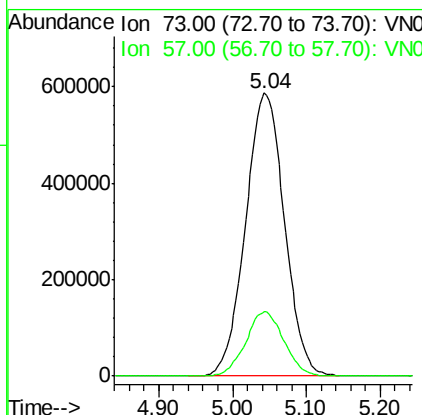
#19
Methvl tert-butvl Ether
Concen: 48.38 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tot Ion: 73 Resp: 2155477
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

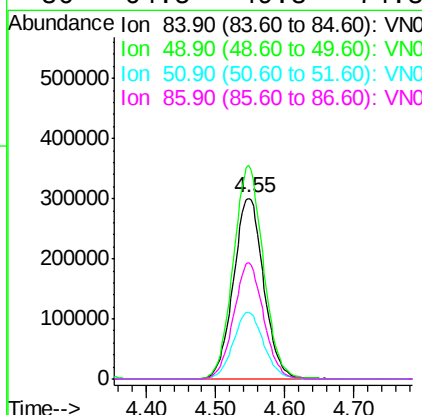
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#20
Methylene Chloride
Concen: 44.71 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 84 Resp: 916437
Ion Ratio Lower Upper
84 100
49 118.3 106.9 160.3
51 37.0 32.7 49.1
86 64.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.83 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

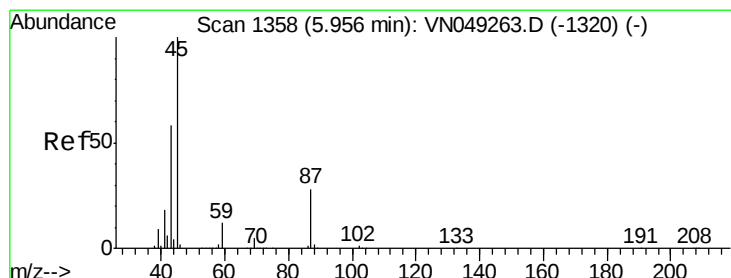
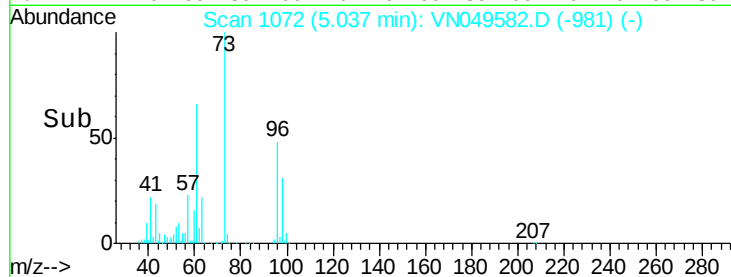
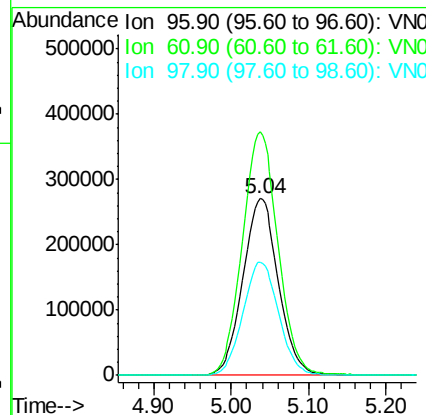
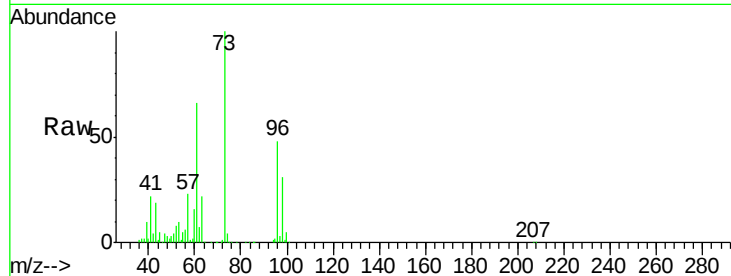
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	866294
Ion	Ratio	Lower	Upper
96	100		
61	137.8	121.3	181.9
98	64.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 48.60 ug/l

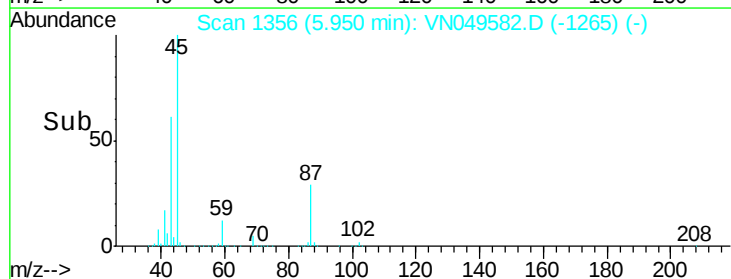
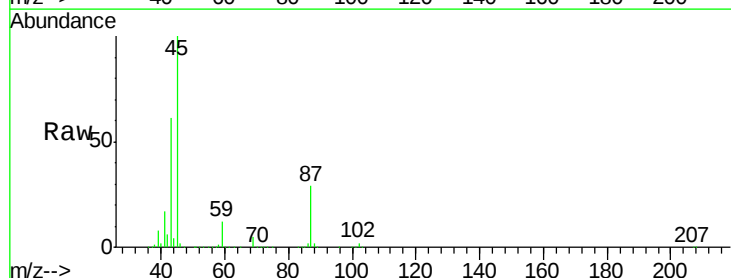
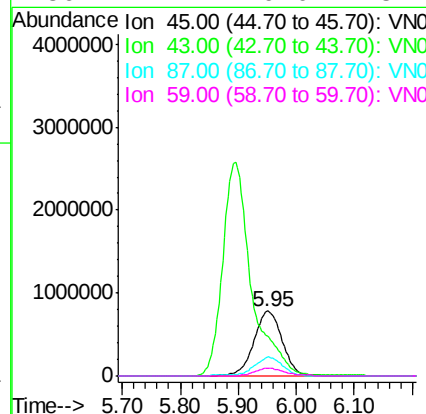
RT: 5.95 min Scan# 1356

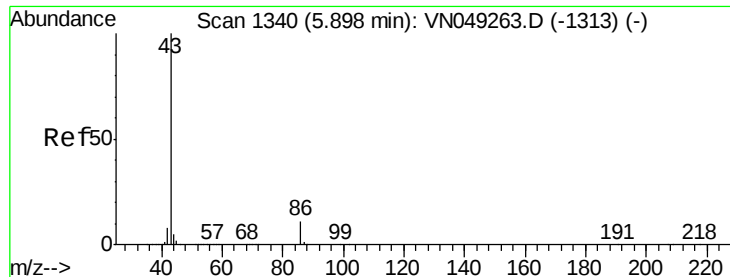
Delta R.T. -0.01 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion:	45	Resp:	2677619
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.6	72.8
87	28.5	20.2	30.2
59	11.7	9.0	13.4





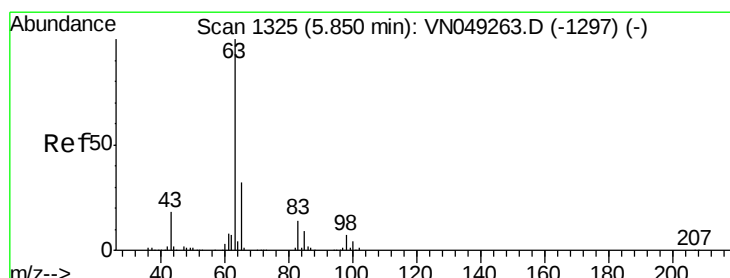
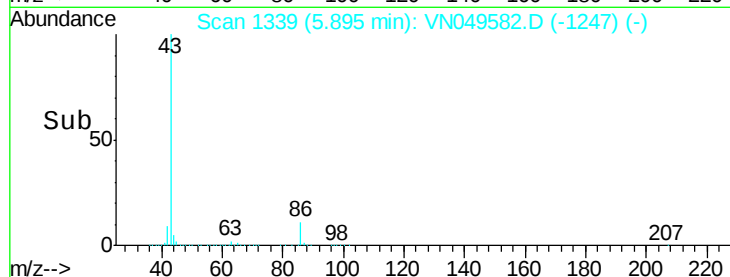
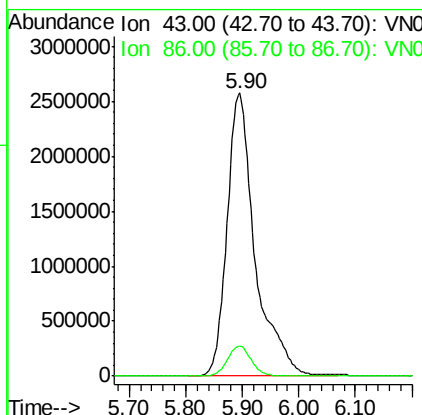
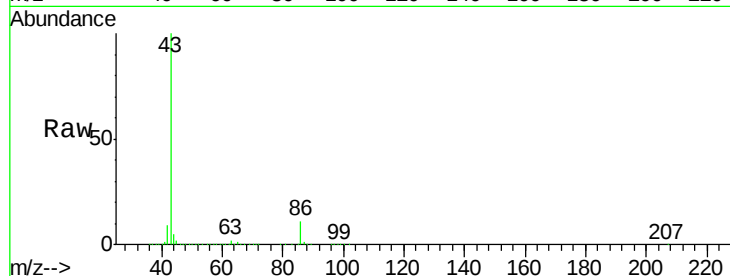
#23
 Vinyl Acetate
 Concen: 247.42 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 8886748
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.2 10.8

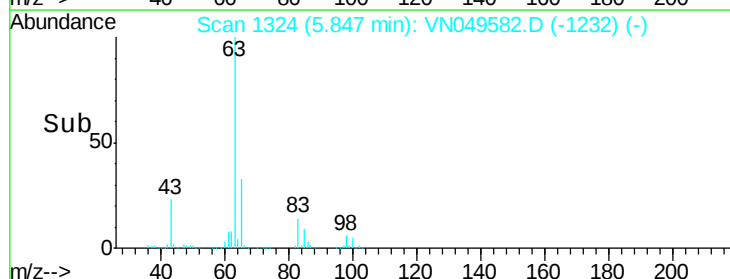
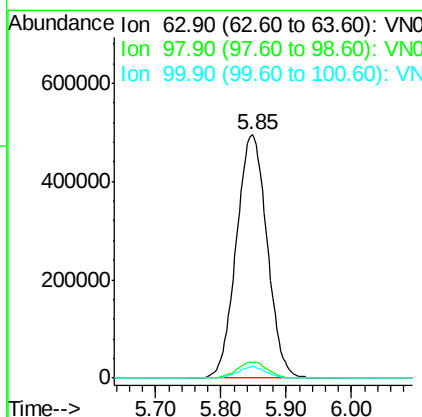
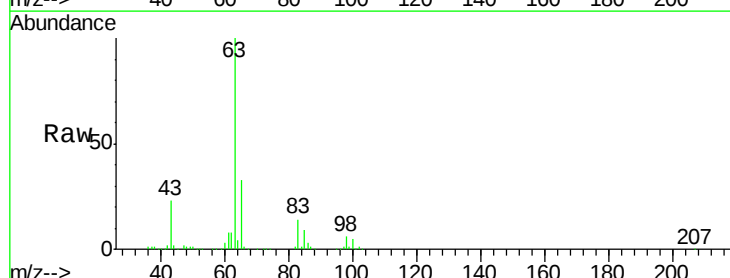
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#24
 1,1-Dichloroethane
 Concen: 45.92 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion: 63 Resp: 1619237
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.8 2.1 6.3





#25

2-Butanone

Concen: 220.71 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1454481

Ion Ratio Lower Upper

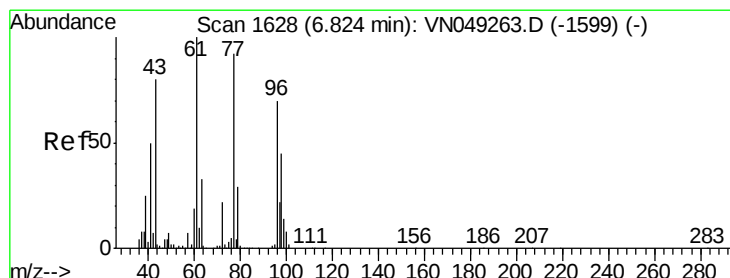
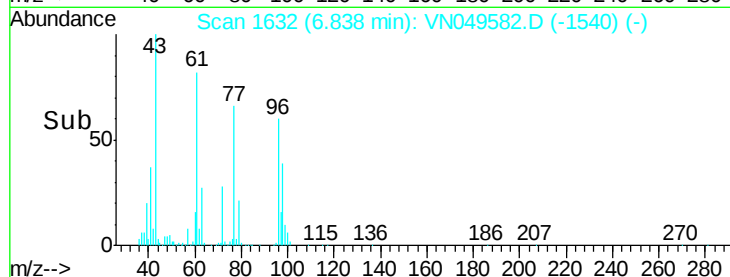
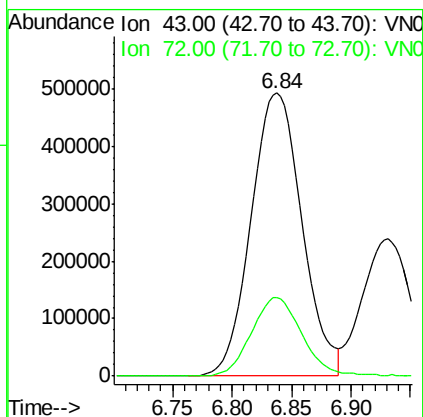
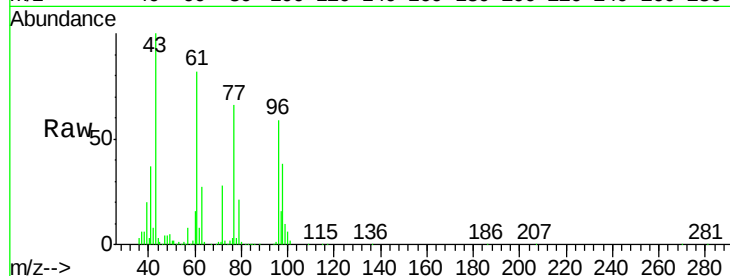
43 100

72 28.0 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 47.25 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049582.D

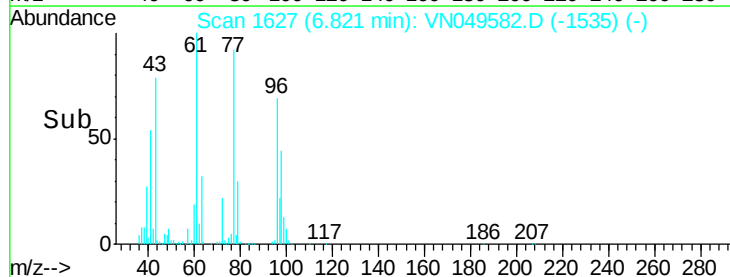
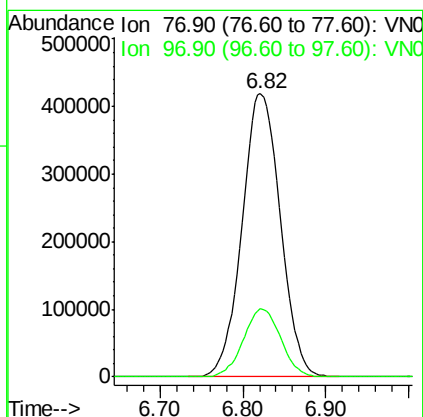
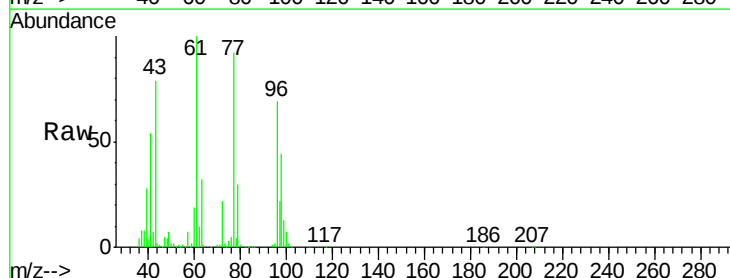
Acq: 28 Jun 2018 11:29

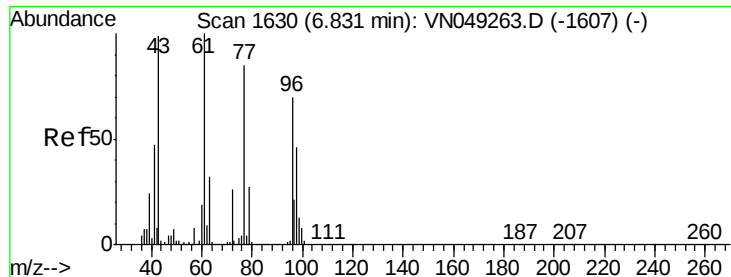
Tgt Ion: 77 Resp: 1345783

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.47 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

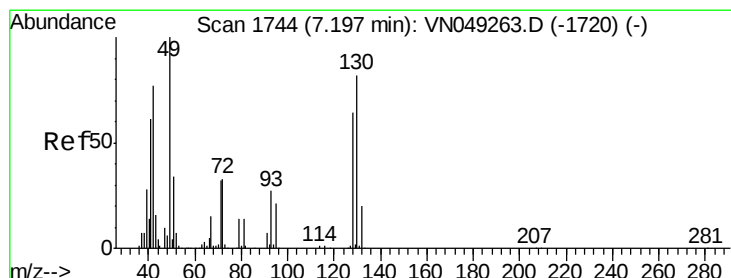
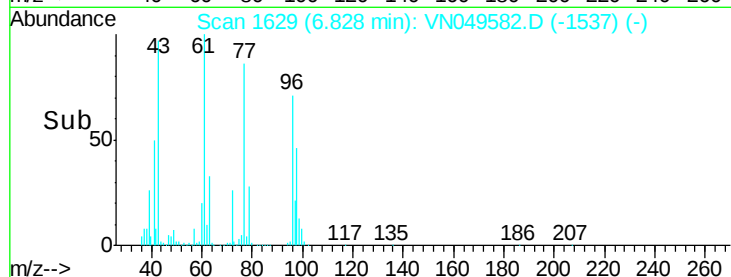
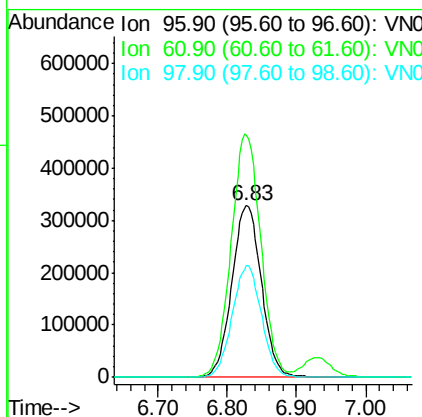
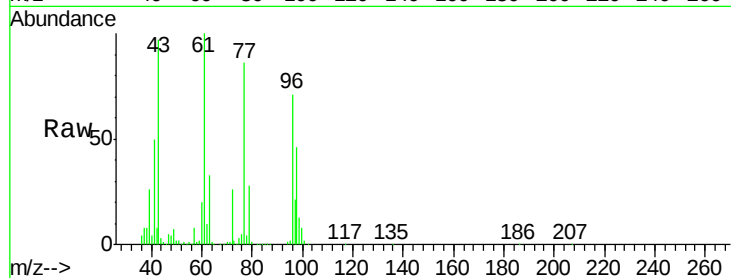
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	316.4
98	64.4	0.0	128.4

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#28

Bromochloromethane

Concen: 46.53 ug/l

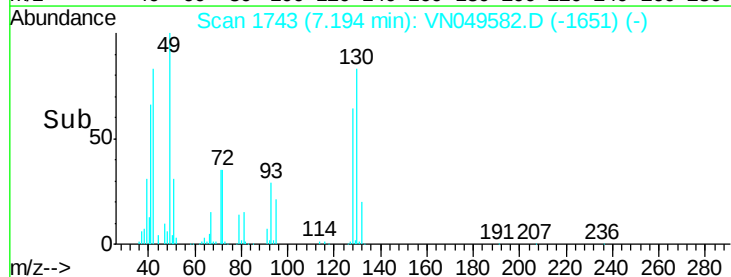
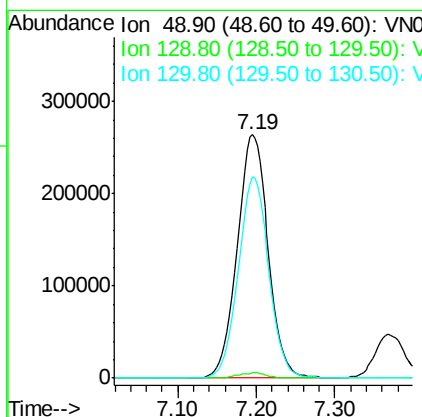
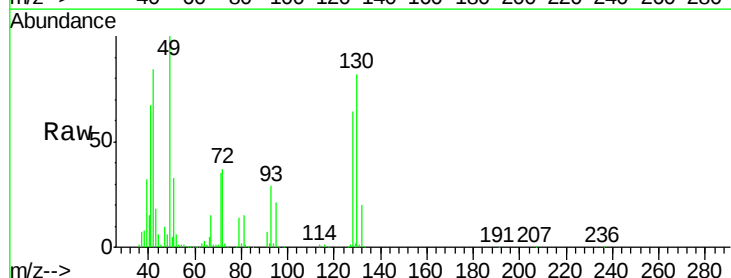
RT: 7.19 min Scan# 1743

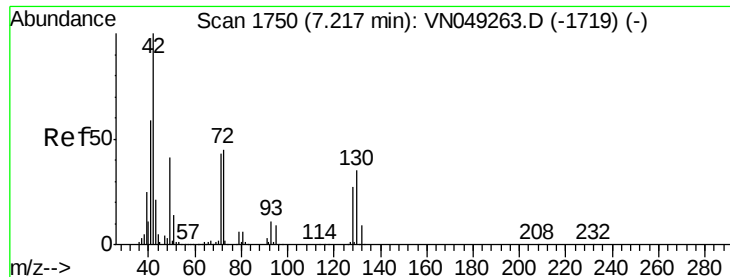
Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.8	54.9	82.3





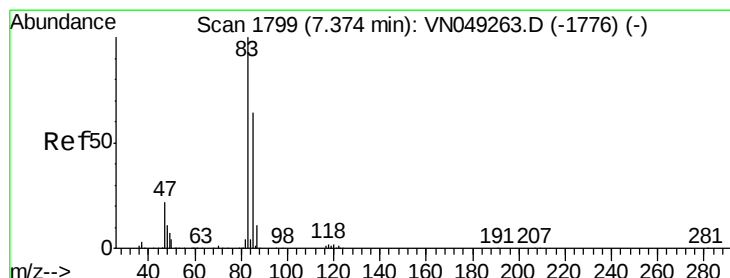
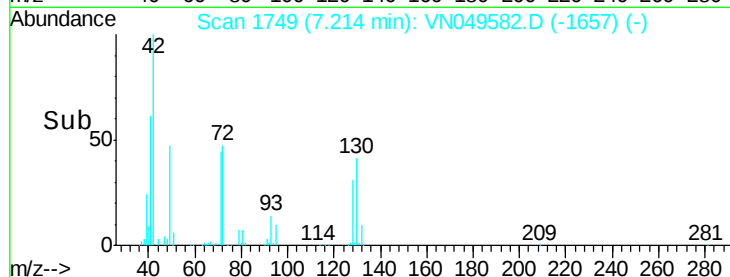
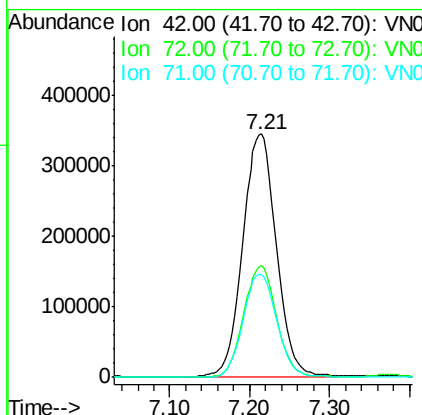
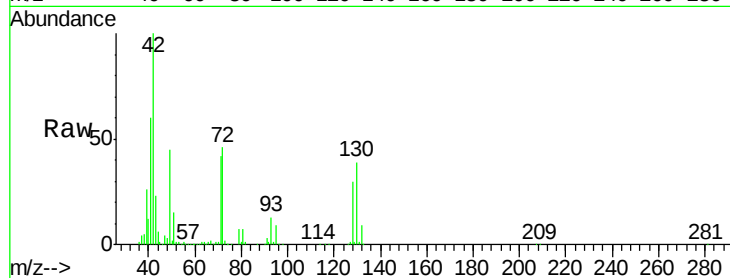
#29
Tetrahydrofuran
Concen: 231.75 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.2	48.4
71	42.5	30.5	45.7

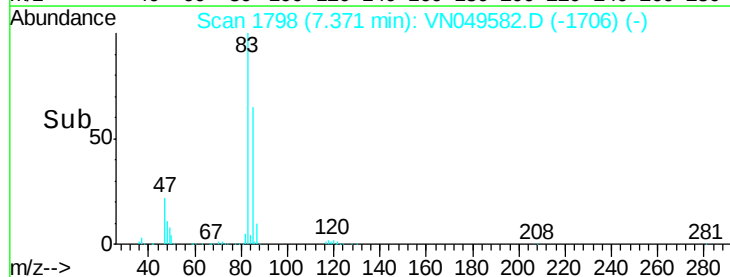
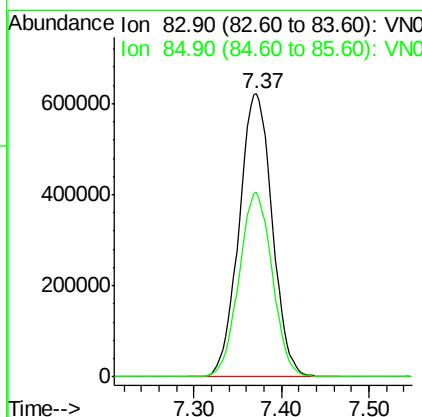
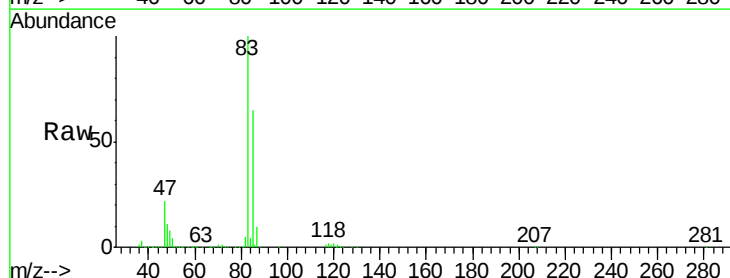
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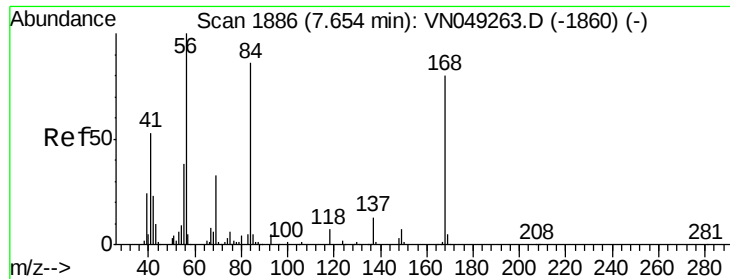
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#30
Chloroform
Concen: 46.59 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5





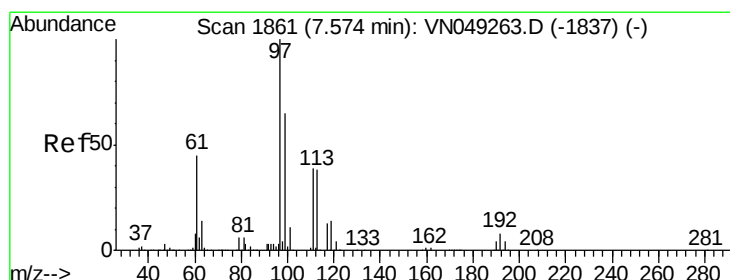
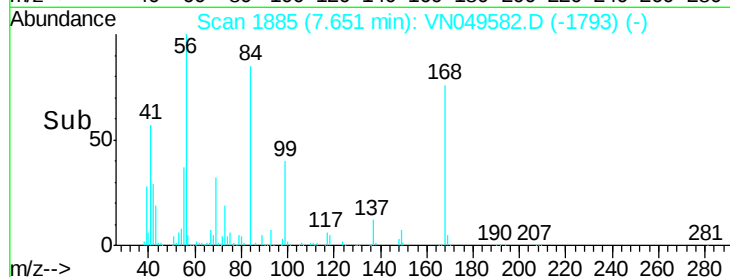
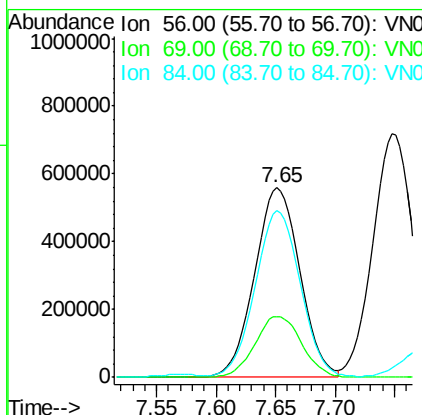
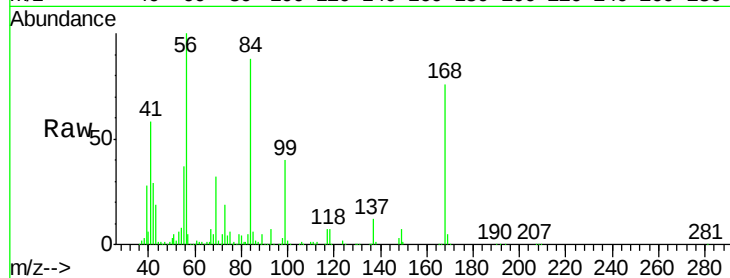
#31
Cyclohexane
Concen: 49.21 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1471327
Ion Ratio Lower Upper
56 100
69 32.2 25.0 37.4
84 86.6 64.6 96.8

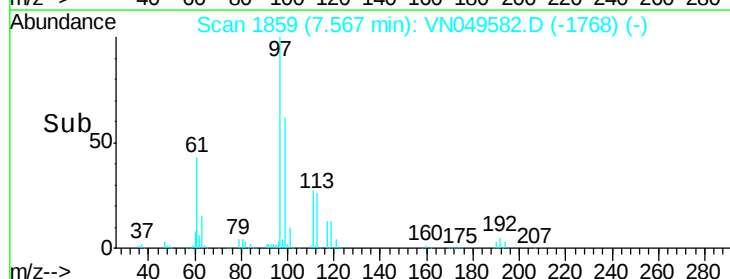
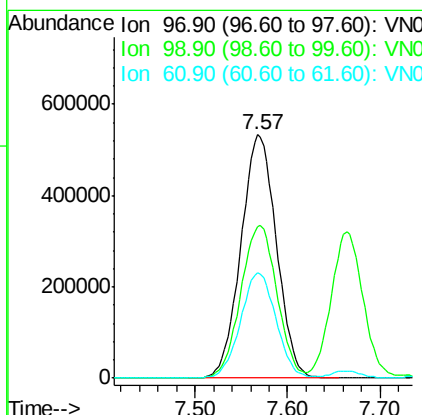
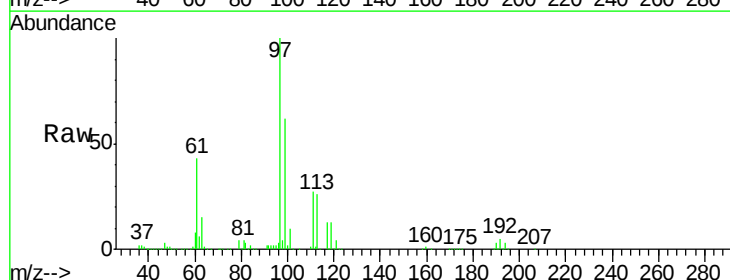
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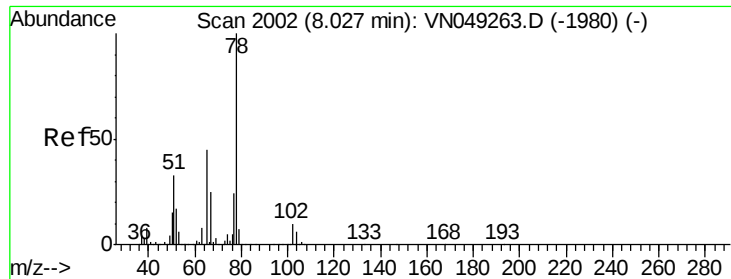
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.28 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 97 Resp: 1415773
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 43.4 37.9 56.9





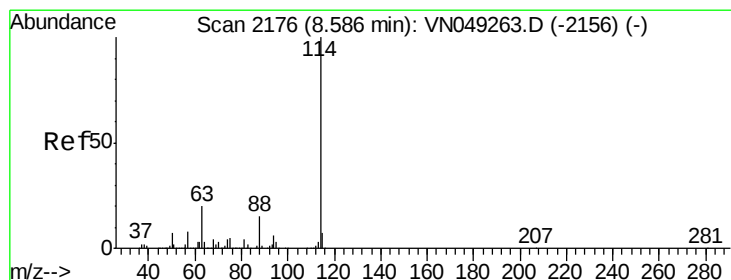
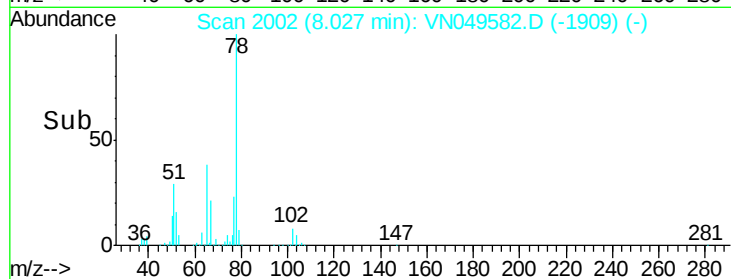
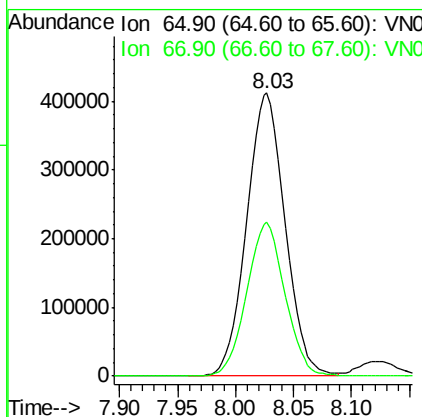
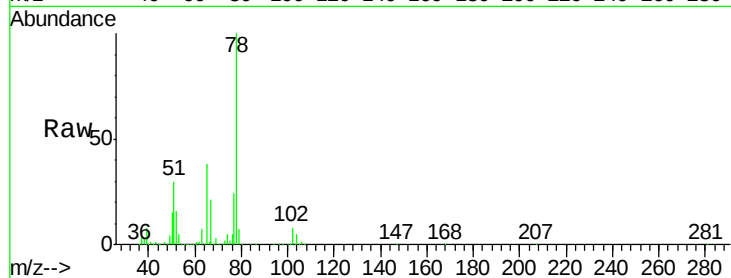
#33
 1,2-Dichloroethane-d4
 Concen: 46.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	103.8	

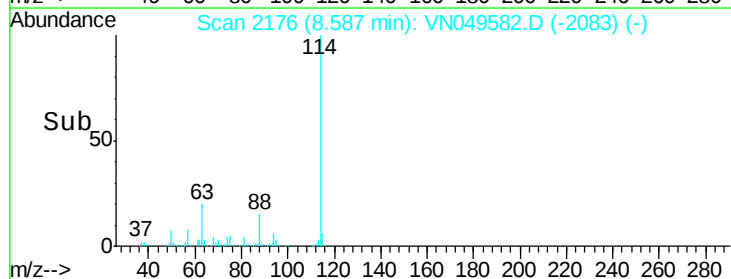
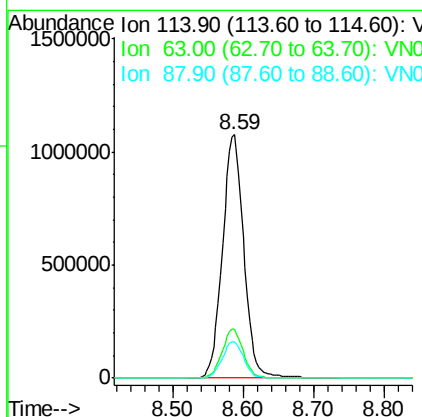
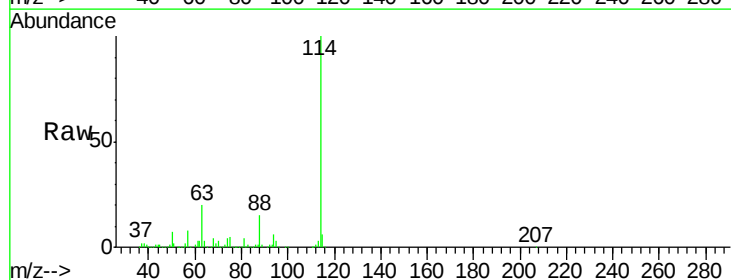
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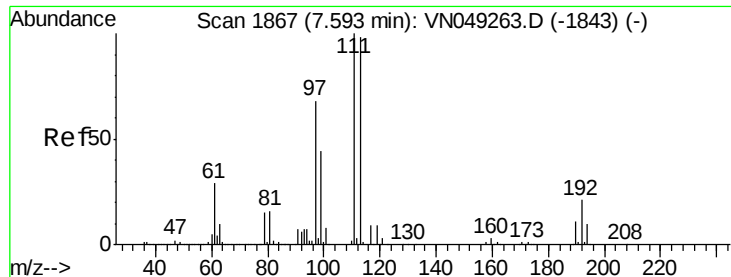
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	44.4	
88	15.1	0.0	31.4	





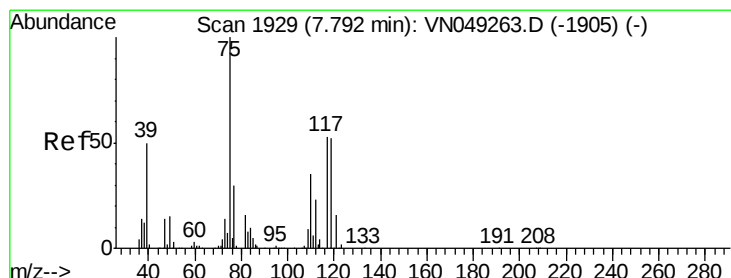
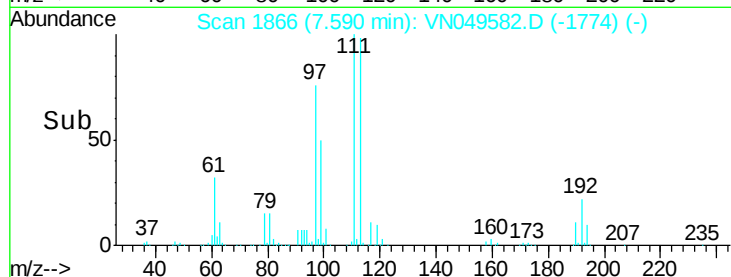
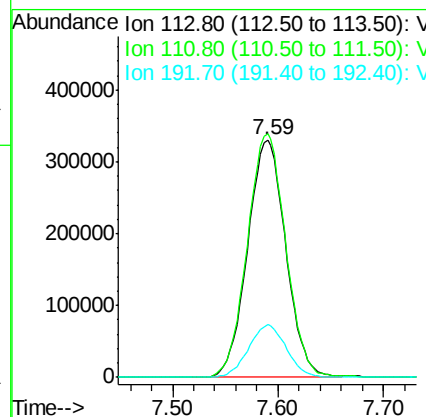
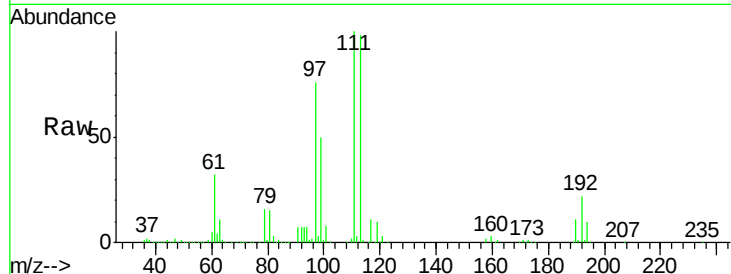
#35
 Dibromofluoromethane
 Concen: 45.19 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	833006		
111	103.2	82.4	123.6	
192	21.8	15.0	22.6	

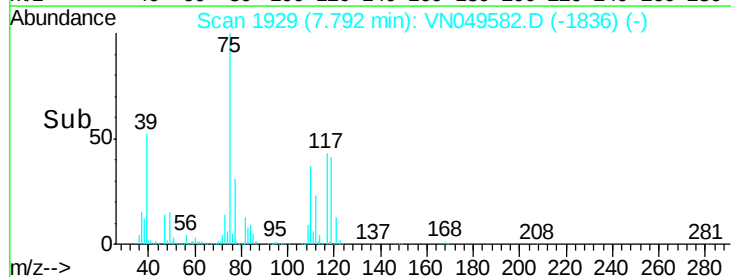
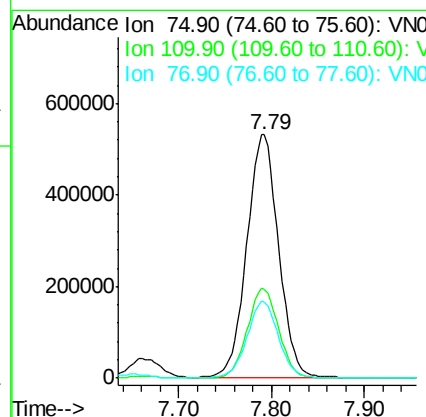
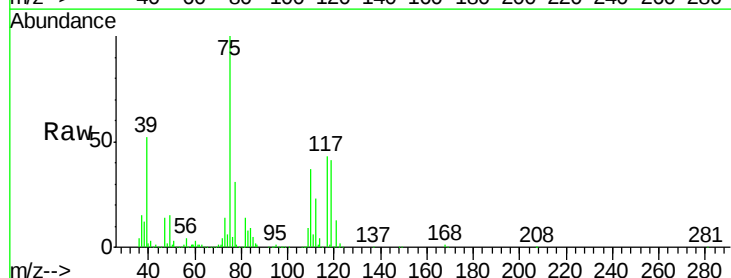
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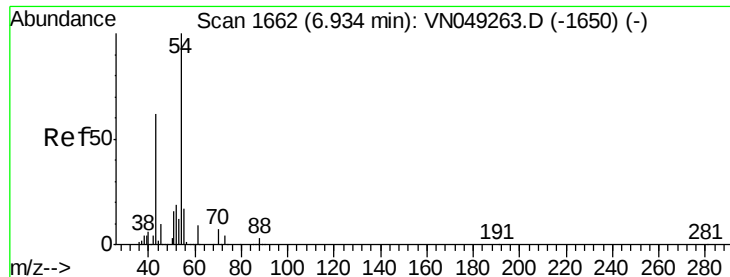
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#36
 1,1-Dichloropropene
 Concen: 48.19 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1258515		
110	36.6	17.0	50.9	
77	31.4	24.4	36.6	





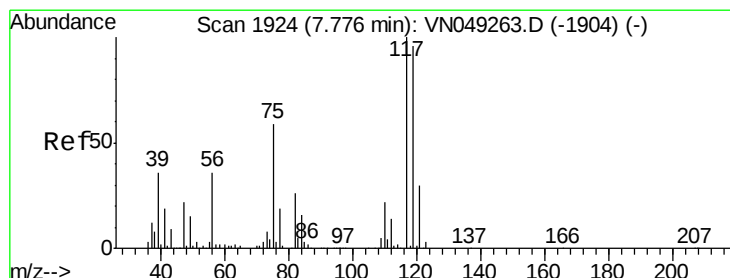
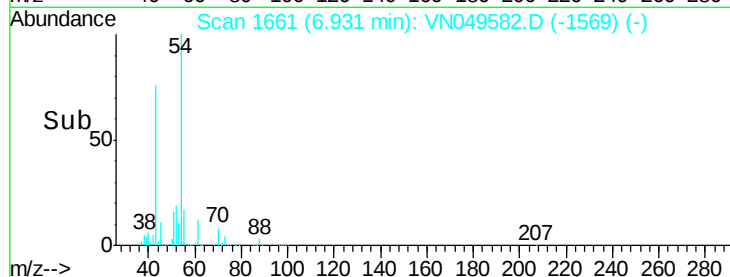
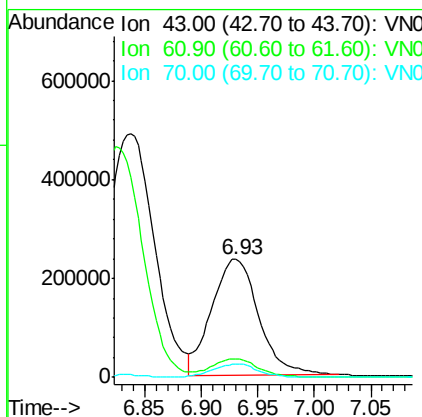
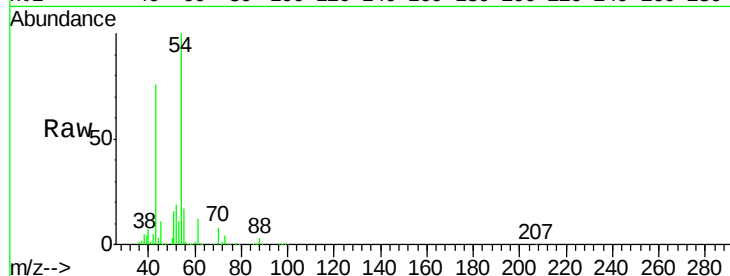
#37
Ethyl Acetate
Concen: 47.76 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.0	16.4
70	10.9	7.2	10.8

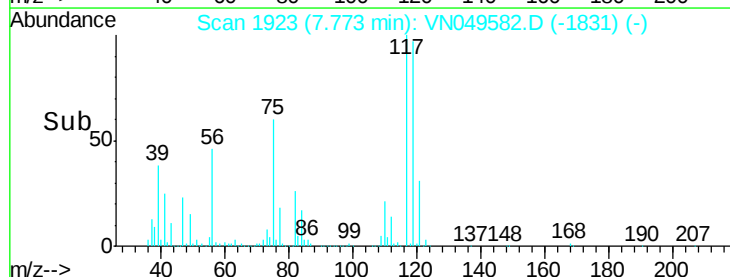
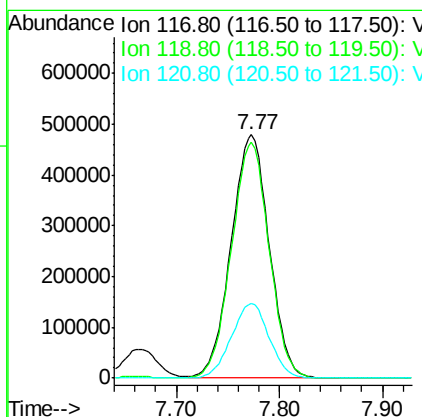
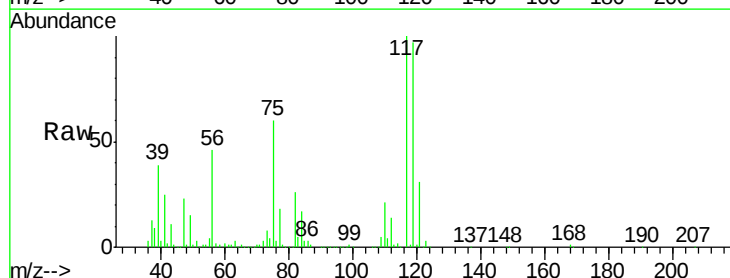
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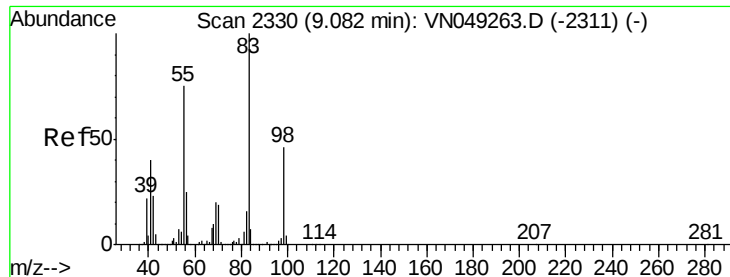
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#38
Carbon Tetrachloride
Concen: 45.31 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.6	113.4
121	30.8	24.7	37.1





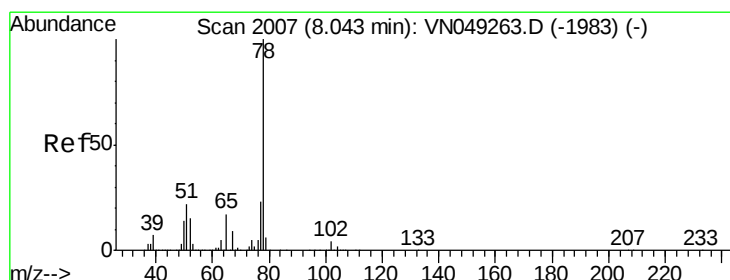
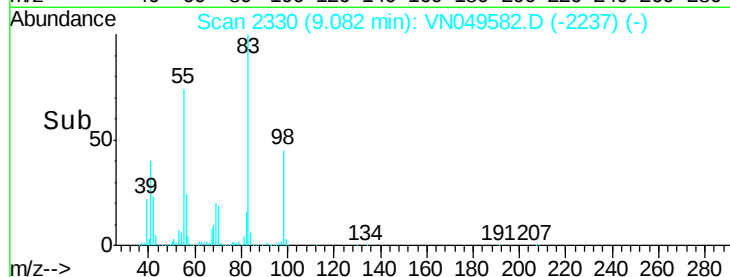
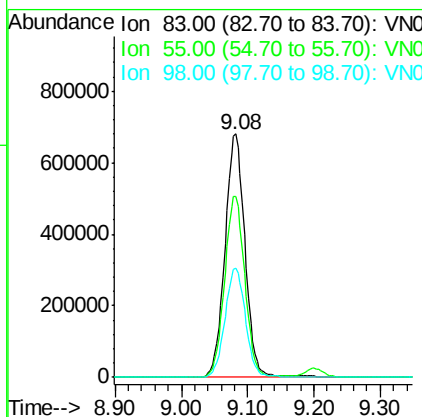
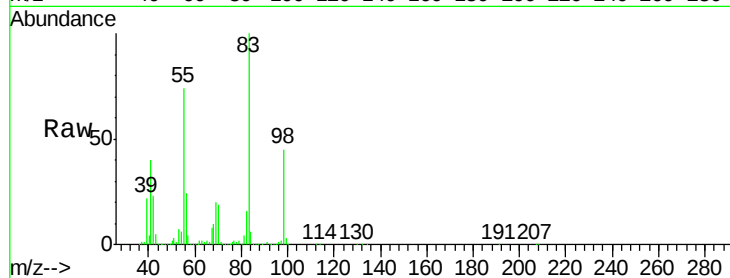
#39
Methvlcvclohexane
Concen: 51.08 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1431971
Ion Ratio Lower Upper
83 100
55 74.2 65.1 97.7
98 44.9 36.5 54.7

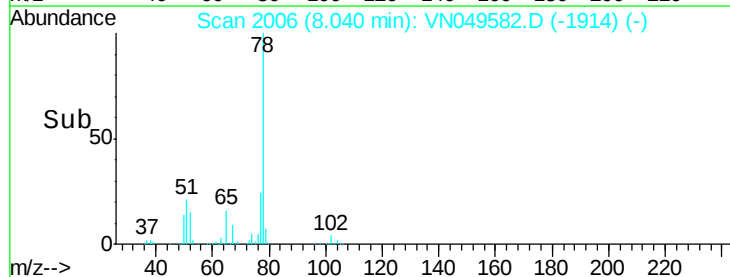
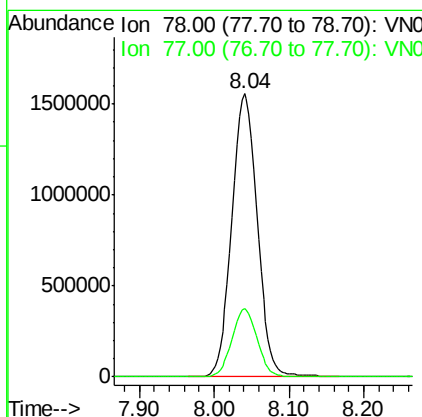
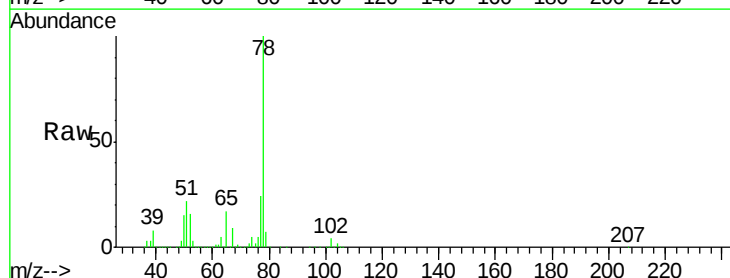
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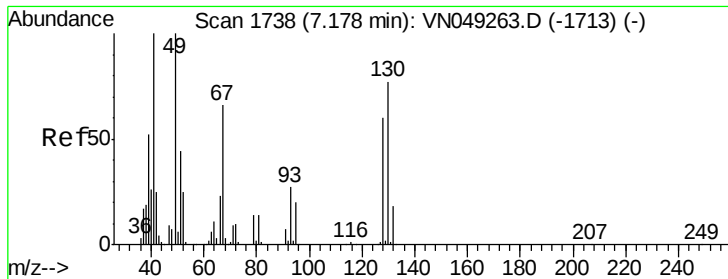
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#40
Benzene
Concen: 46.30 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 78 Resp: 3707201
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





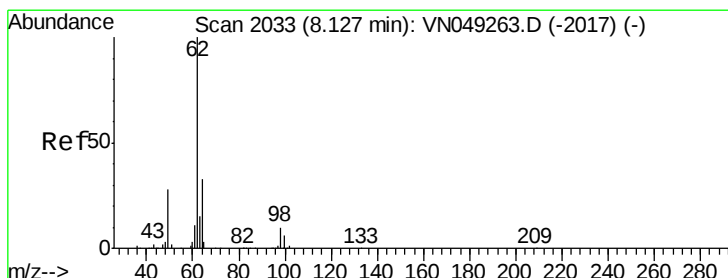
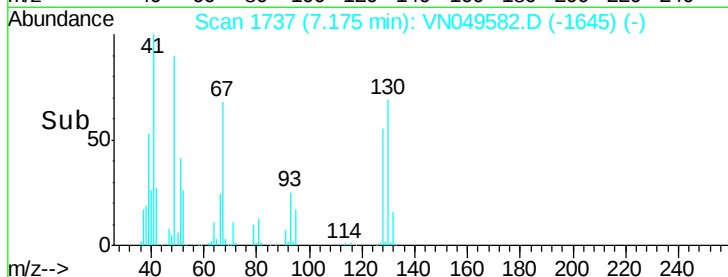
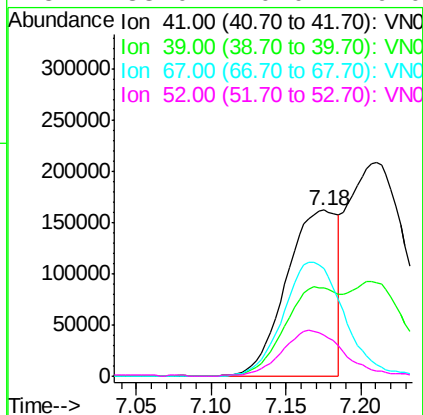
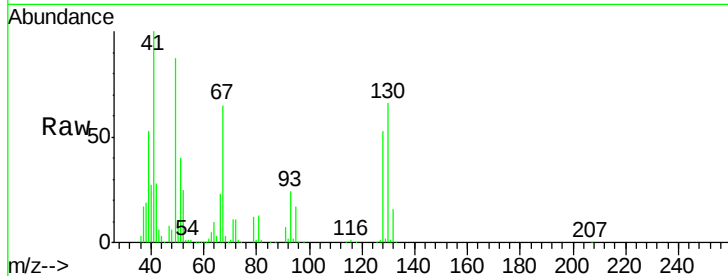
#41
Methacrylonitrile
Concen: 49.75 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	0.0	0.0#
67	83.2	0.0	0.0#
52	33.0	0.0	0.0#

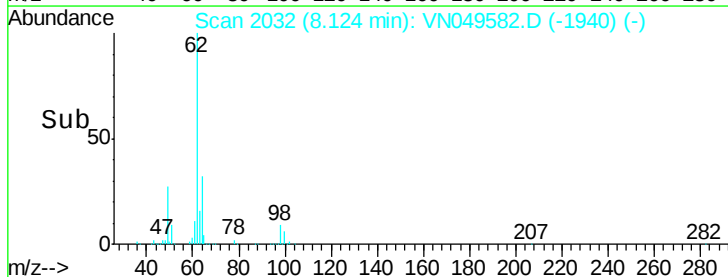
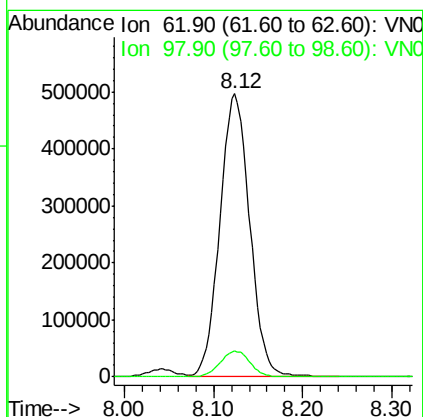
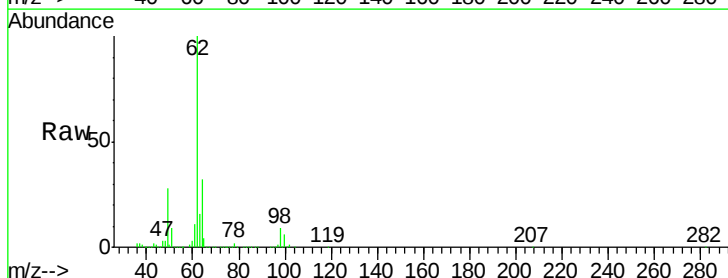
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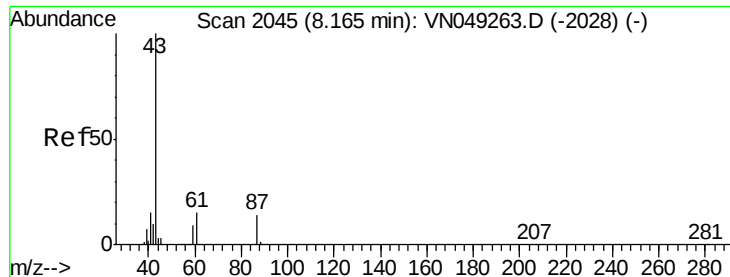
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.33 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 54.07 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1466677

Ion Ratio Lower Upper

43 100

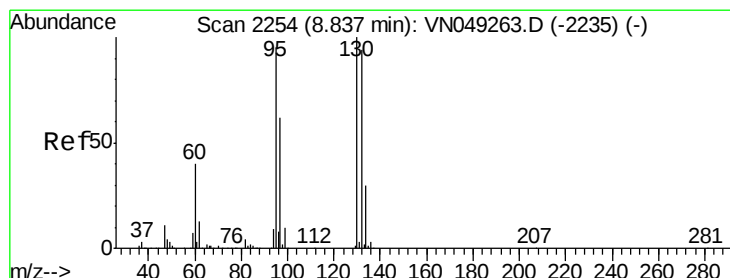
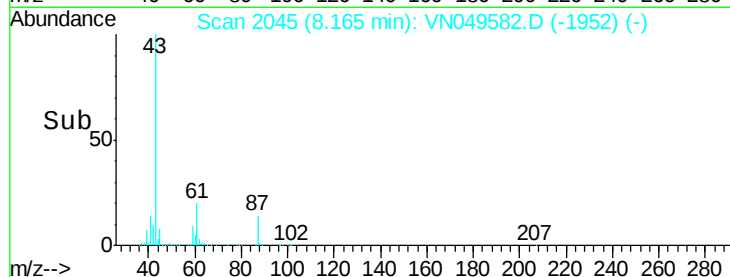
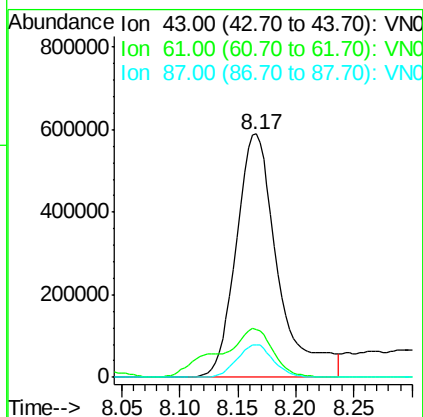
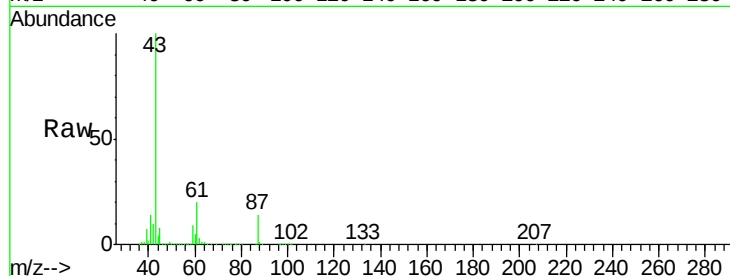
61 25.7 14.2 21.4#

87 12.0 9.4 14.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.56 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049582.D

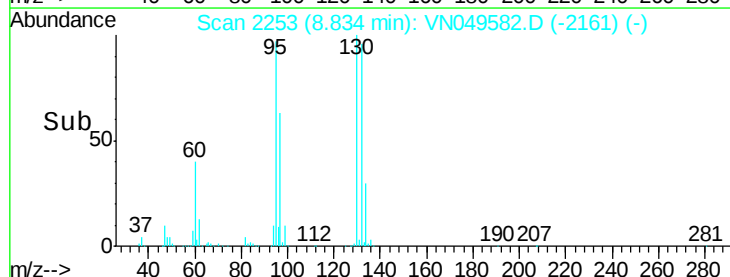
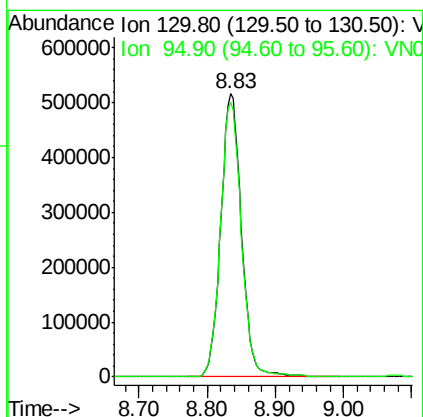
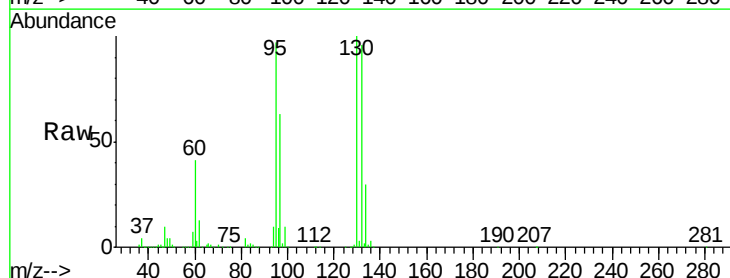
Acq: 28 Jun 2018 11:29

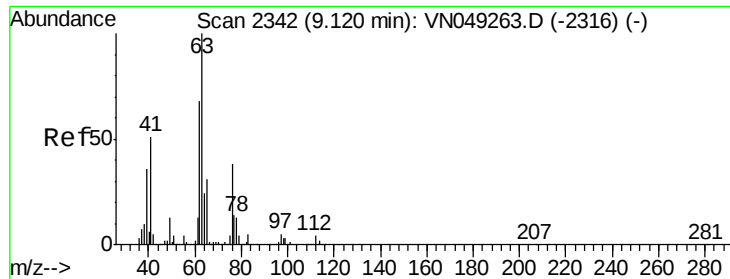
Tgt Ion:130 Resp: 1090018

Ion Ratio Lower Upper

130 100

95 96.9 0.0 208.6





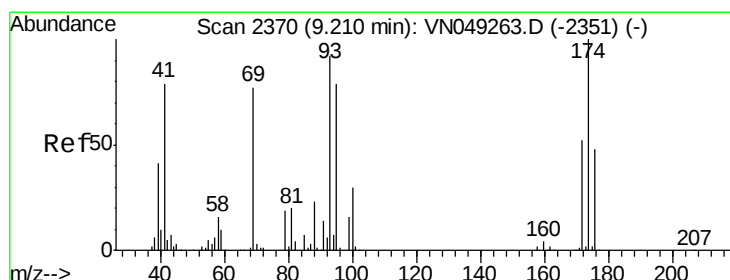
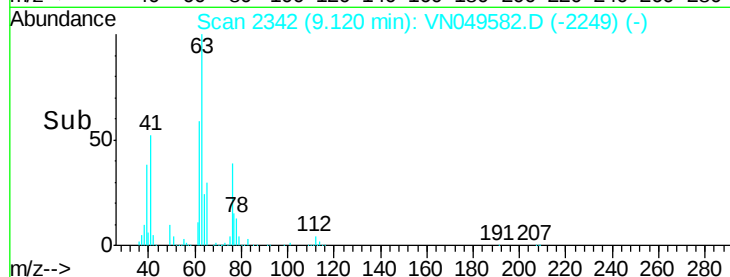
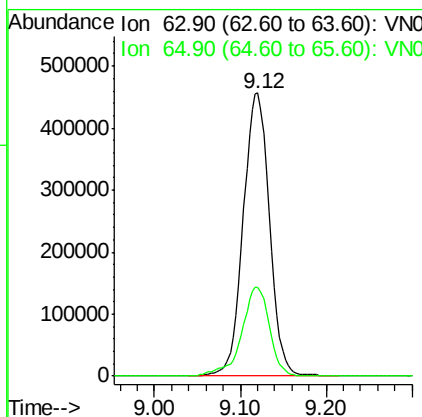
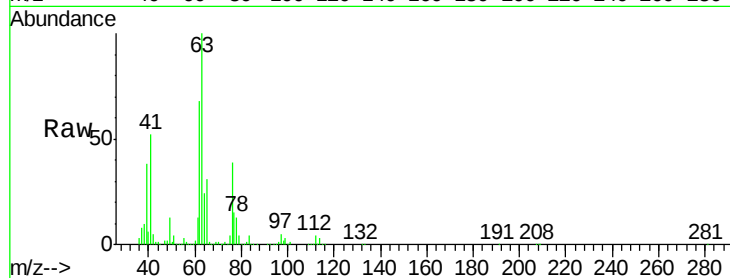
#45
 1,2-Dichloropropane
 Concen: 46.32 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.8	37.2

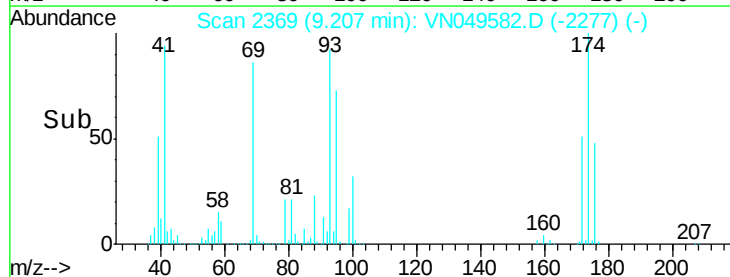
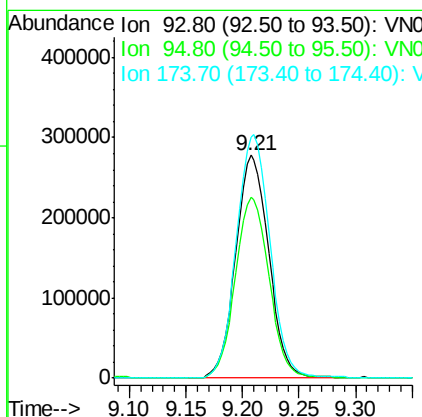
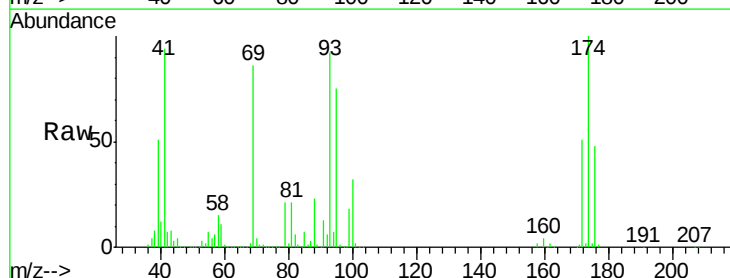
Manual Integrations
 APPROVED

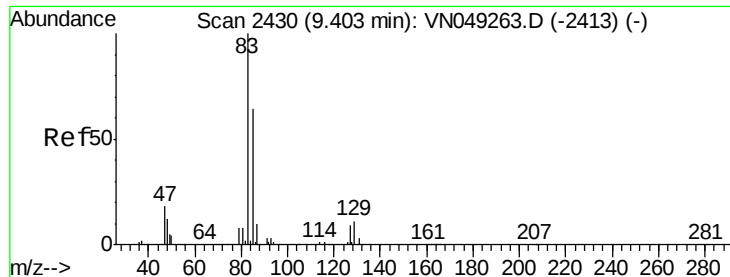
MMDadoda
 6/29/2018 1:46:41 PM



#46
 Dibromomethane
 Concen: 46.78 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	110.6	75.6	113.4





#47

Bromodichloromethane

Concen: 46.39 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1238992

Ion Ratio Lower Upper

83 100

85 64.3 49.4 74.0

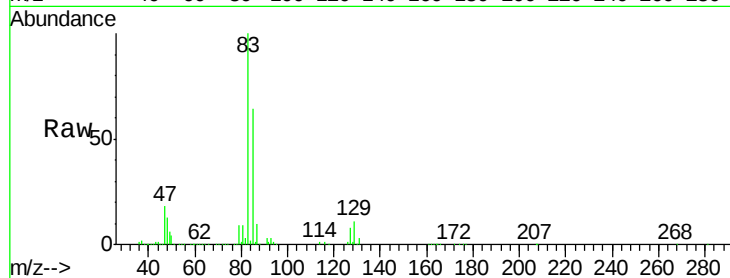
127 8.4 6.3 9.5

Manual Integrations

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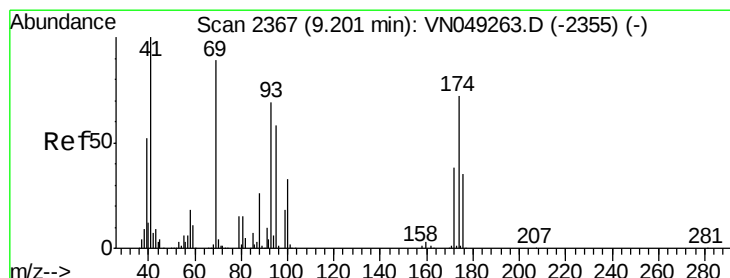
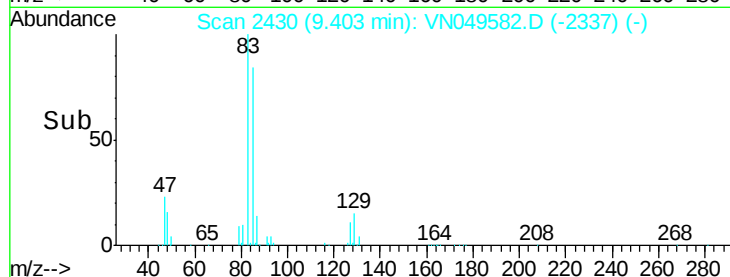
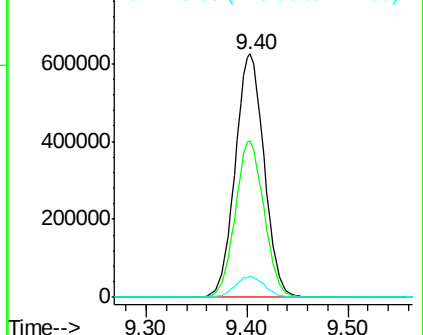
6/29/2018 1:46:41 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049582.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049582.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049582.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.08 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

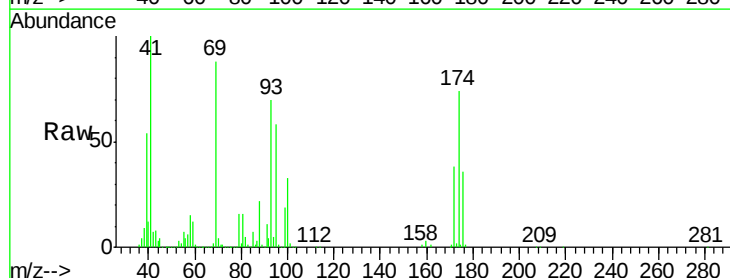
Tgt Ion: 41 Resp: 614189

Ion Ratio Lower Upper

41 100

69 93.2 62.0 93.0#

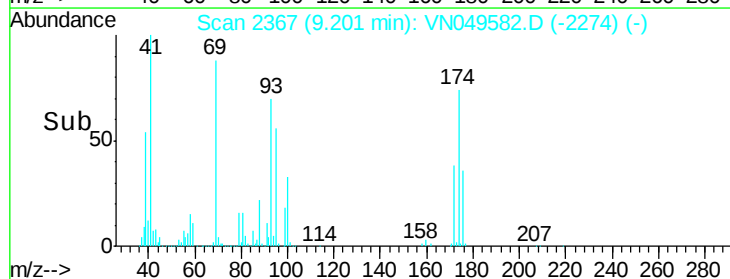
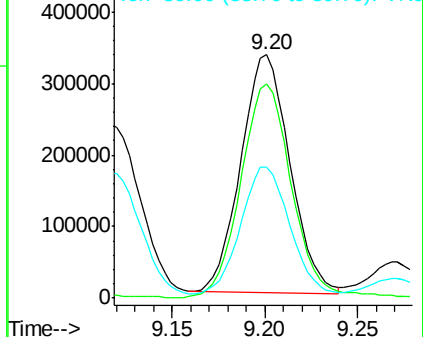
39 53.0 50.6 75.8

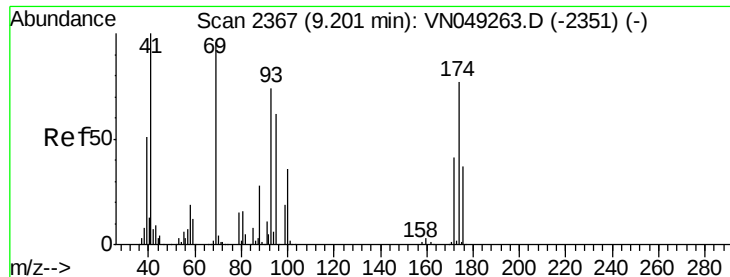


Abundance Ion 41.00 (40.70 to 41.70): VN049582.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049582.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049582.D (-2274) (-)





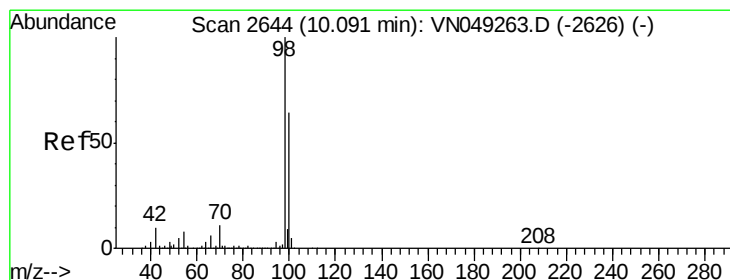
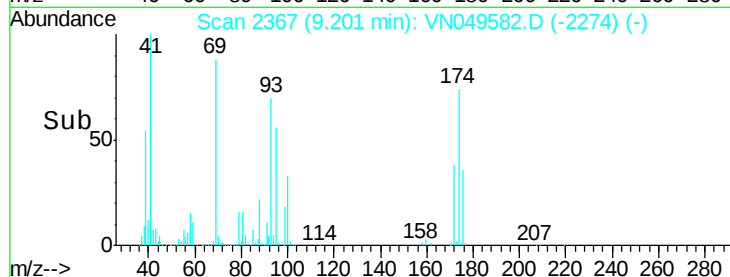
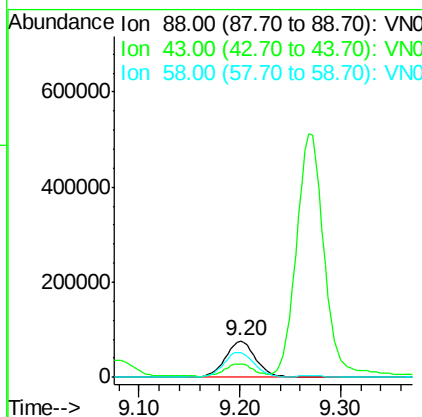
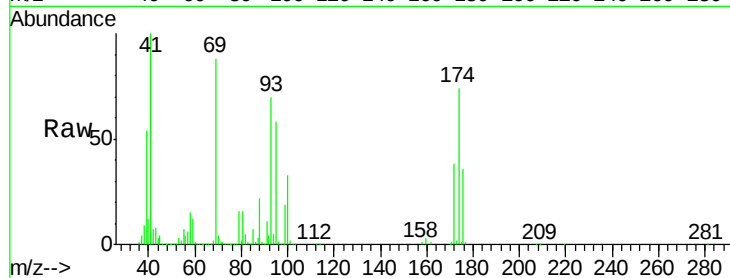
#49
1,4-Dioxane
Concen: 913.06 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	160969
Ion	Ratio	Lower	Upper
88	100		
43	31.6	30.9	46.3
58	69.2	58.9	88.3

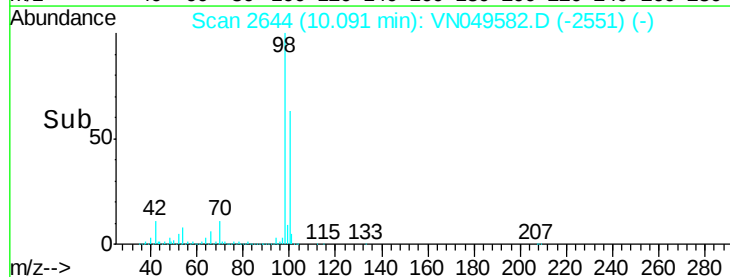
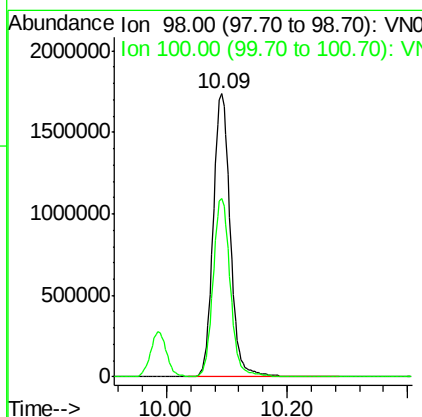
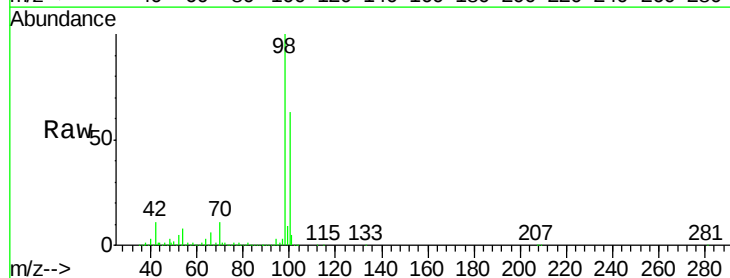
Manual Integrations
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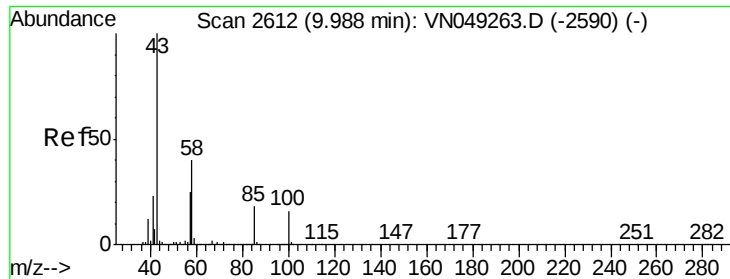
MMDadoda
6/29/2018 1:46:41 PM



#50
Toluene-d8
Concen: 47.50 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	98	Resp	3333814
Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





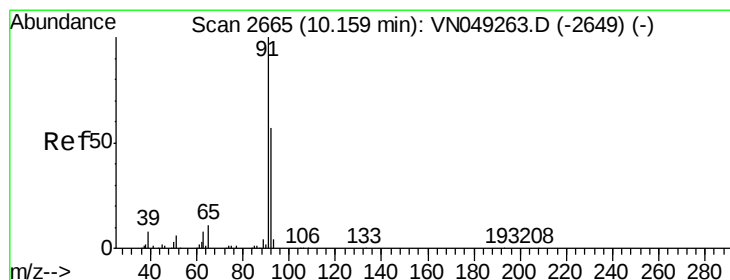
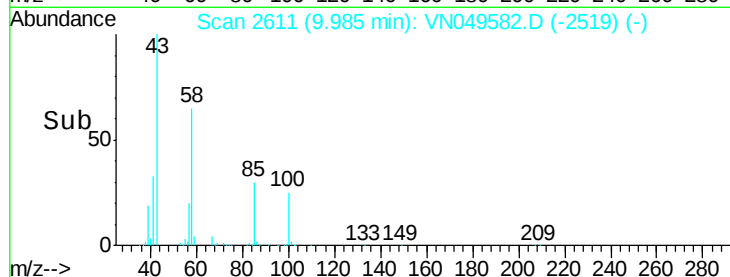
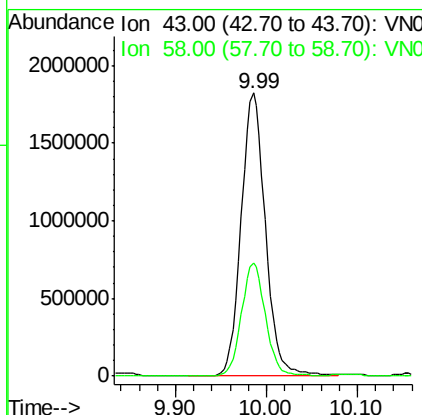
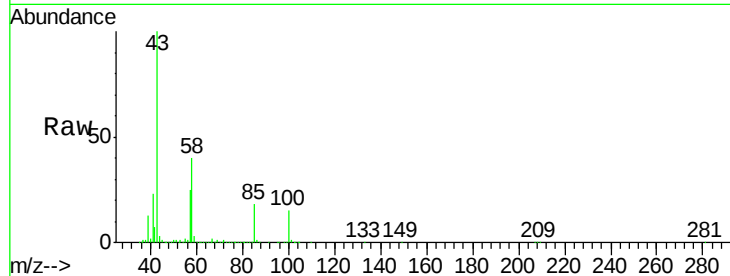
#51
4-Methyl-2-Pentanone
Concen: 238.13 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3385275
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

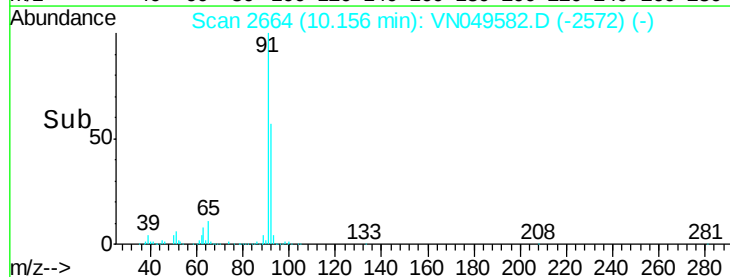
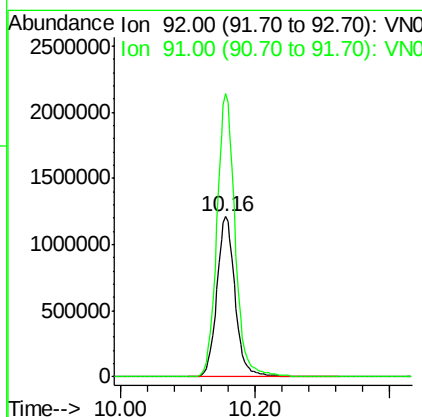
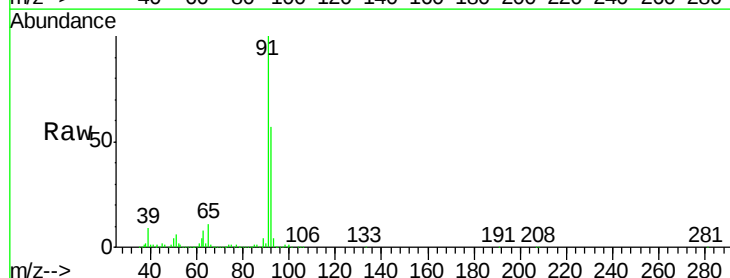
Manual Integrations
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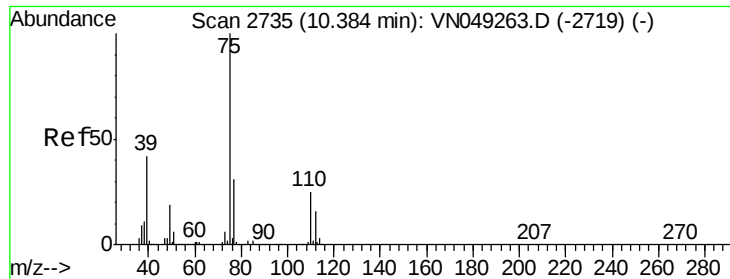
MMDadoda
6/29/2018 1:46:41 PM



#52
Toluene
Concen: 48.80 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 92 Resp: 2293155
Ion Ratio Lower Upper
92 100
91 176.5 143.4 215.2





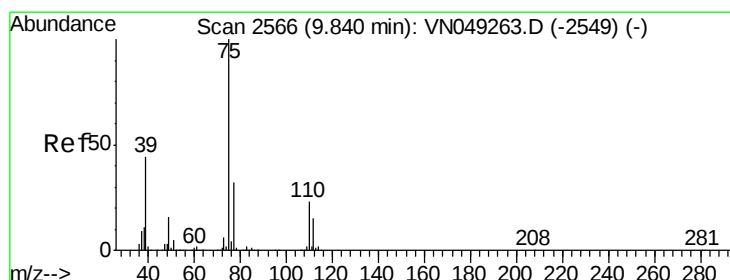
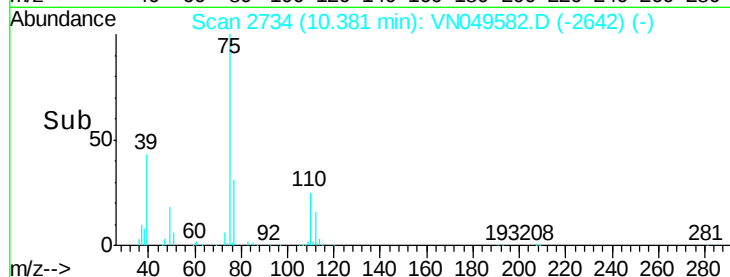
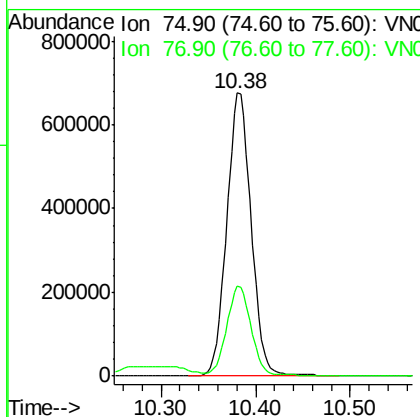
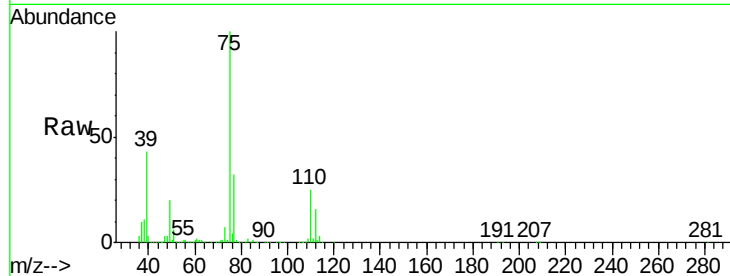
#53
t-1,3-Dichloropropene
Concen: 47.42 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1211635
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

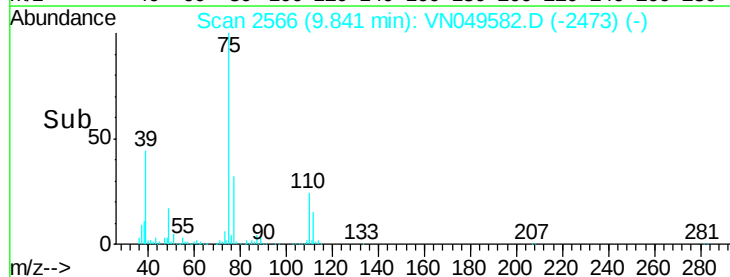
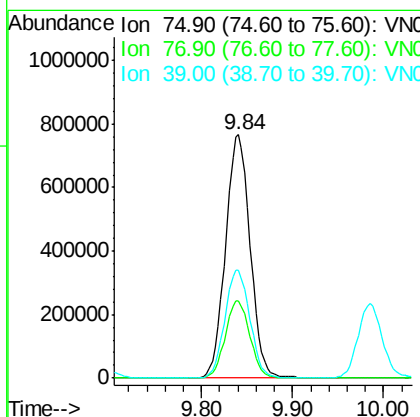
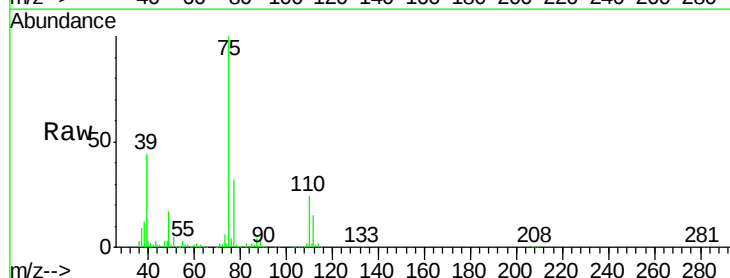
Manual Integrations
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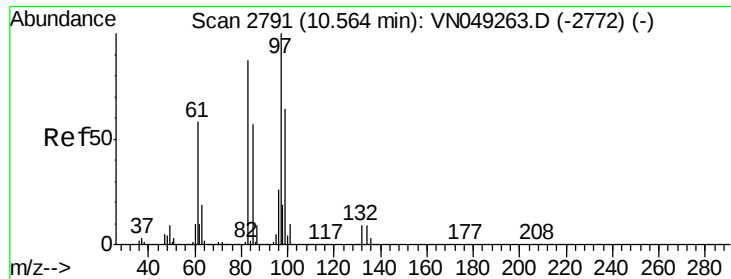
MMDadoda
6/29/2018 1:46:41 PM



#54
cis-1,3-Dichloropropene
Concen: 47.80 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 75 Resp: 1442130
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 44.1 45.1 67.7#





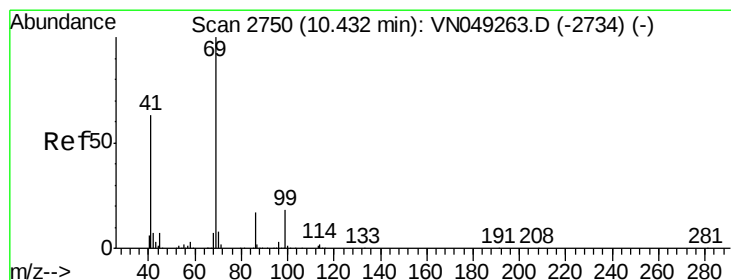
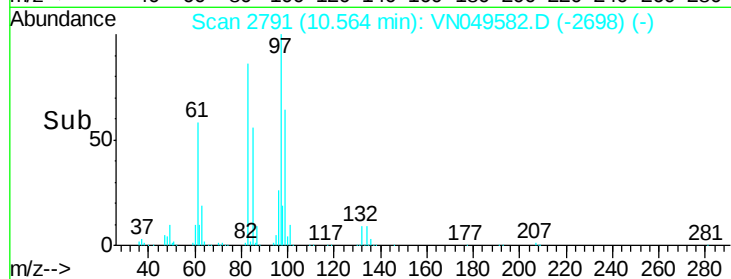
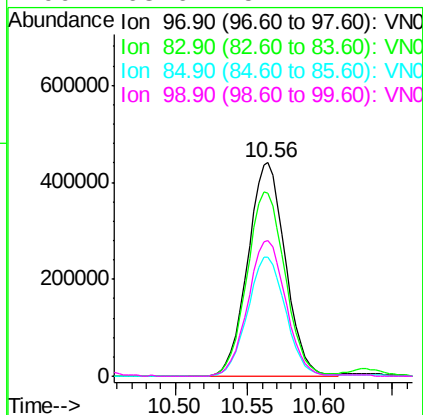
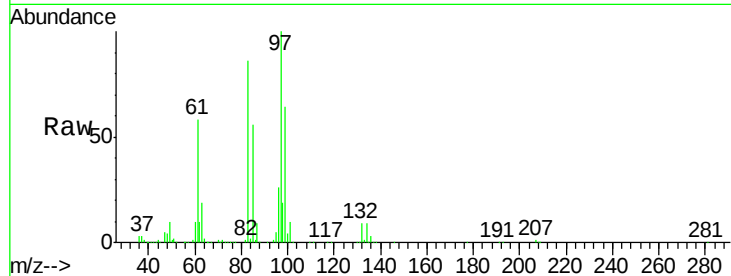
#55
 1,1,2-Trichloroethane
 Concen: 45.38 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	794995
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.5	107.3
85	55.8	47.0	70.4
99	63.6	51.4	77.2

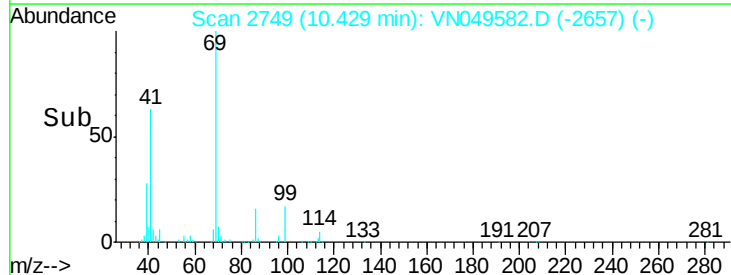
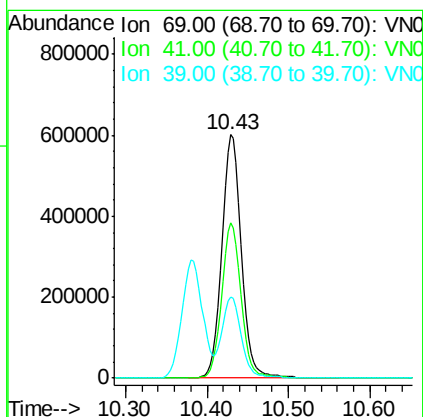
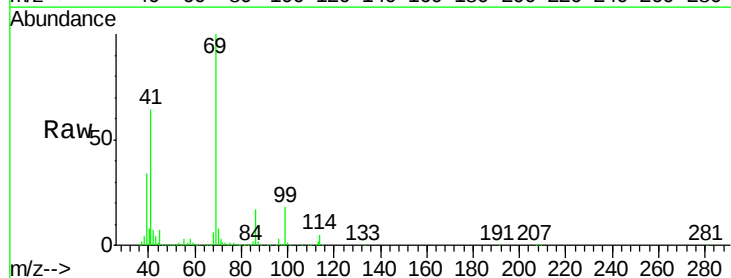
Manual Integrations
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 6/29/2018 1:46:41 PM



#56
 Ethyl methacrylate
 Concen: 50.62 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion:	69	Resp:	1022986
Ion	Ratio	Lower	Upper
69	100		
41	62.3	58.4	87.6
39	33.8	35.5	53.3#





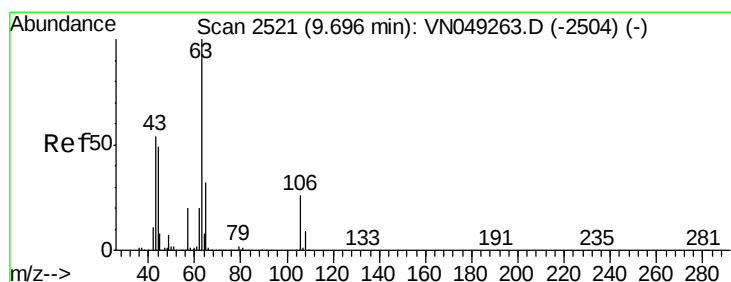
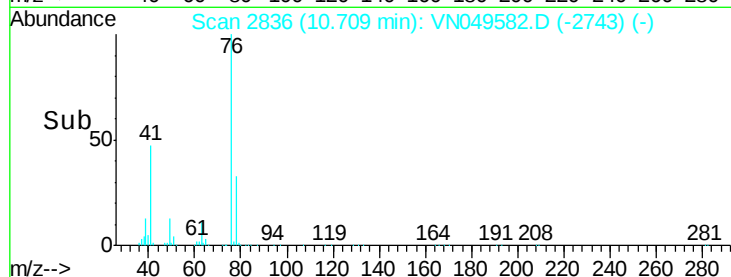
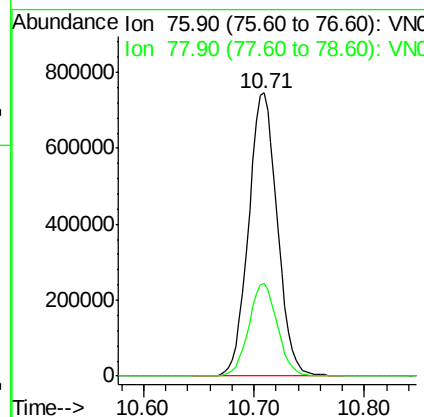
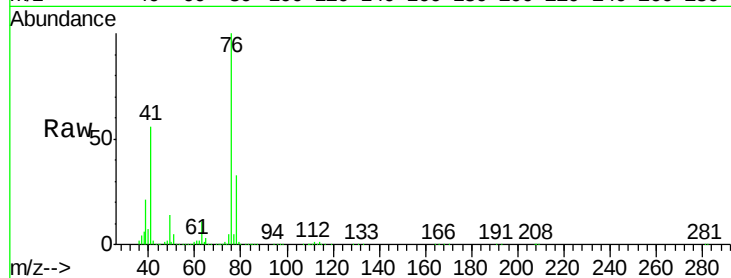
#57
 1,3-Dichloropropane
 Concen: 46.33 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1344395
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5

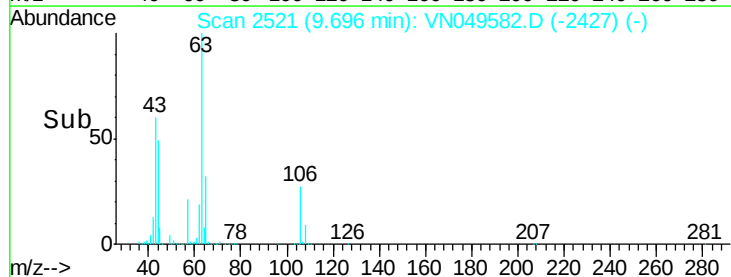
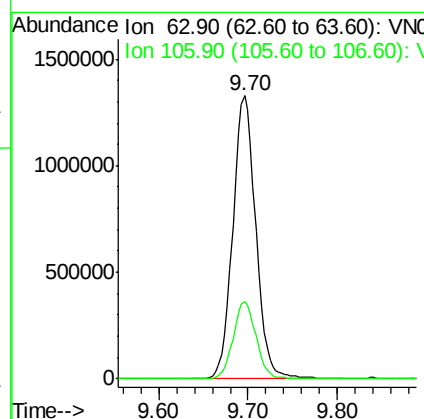
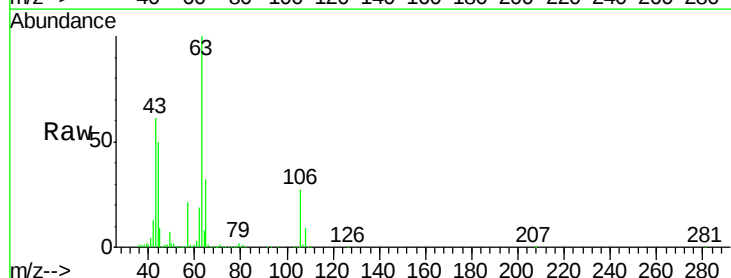
Manual Integrations
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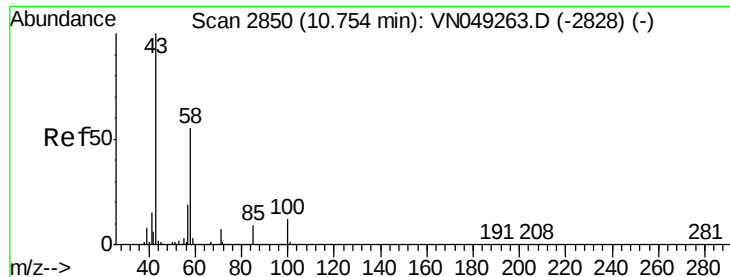
MMDadoda
 6/29/2018 1:46:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 323.42 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion: 63 Resp: 2368875
 Ion Ratio Lower Upper
 63 100
 106 27.3 19.4 29.2





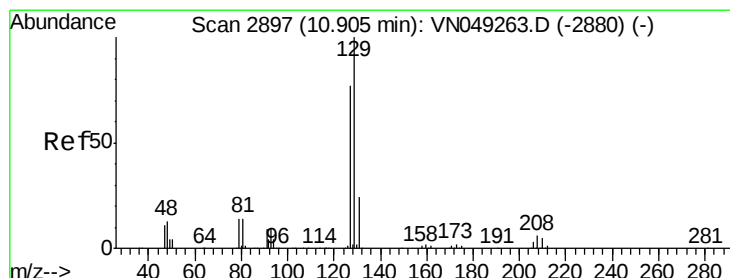
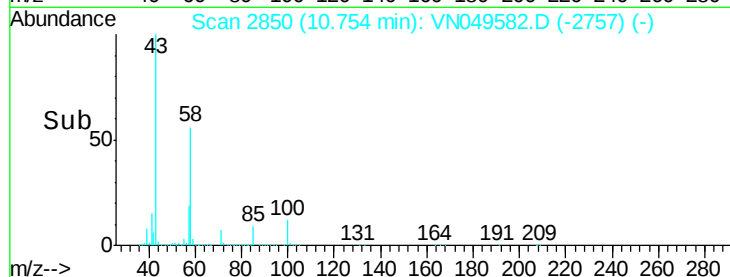
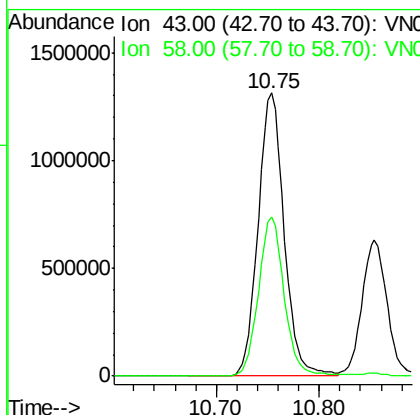
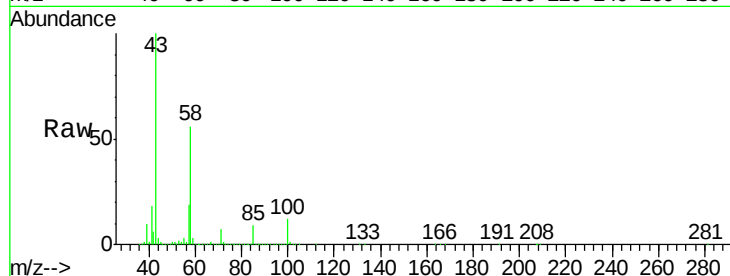
#59
2-Hexanone
Concen: 249.88 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2290259
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

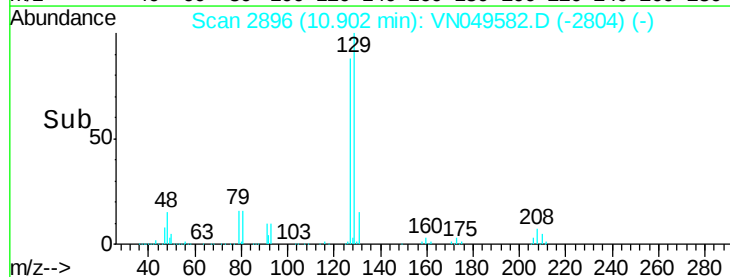
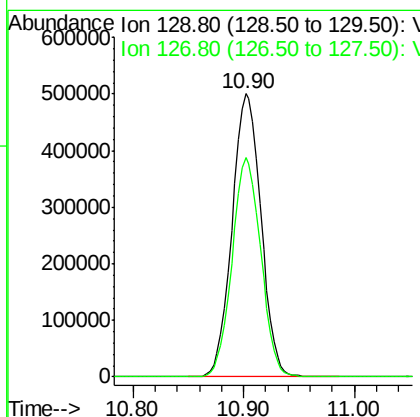
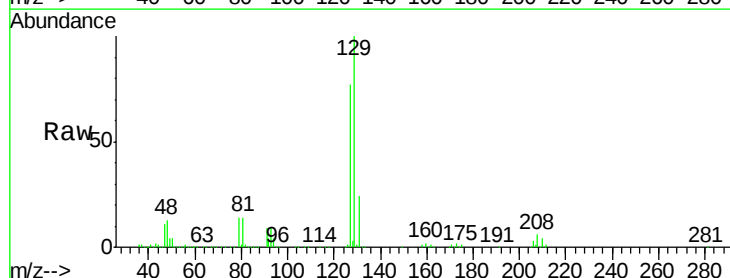
Manual Integrations
APPROVED

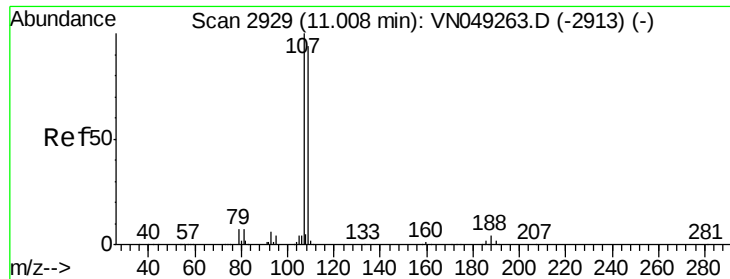
MMDadoda
6/29/2018 1:46:41 PM



#60
Dibromochloromethane
Concen: 46.64 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion: 129 Resp: 911882
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 48.44 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 788660

Ion Ratio Lower Upper

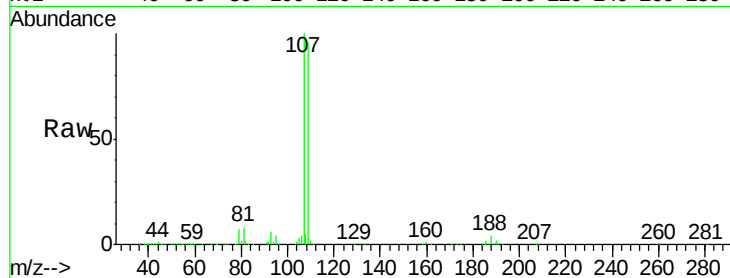
107 100

109 95.2 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

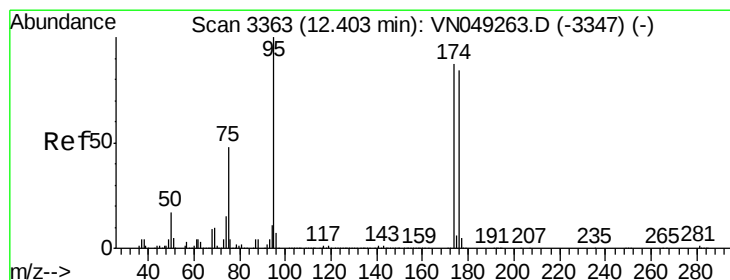
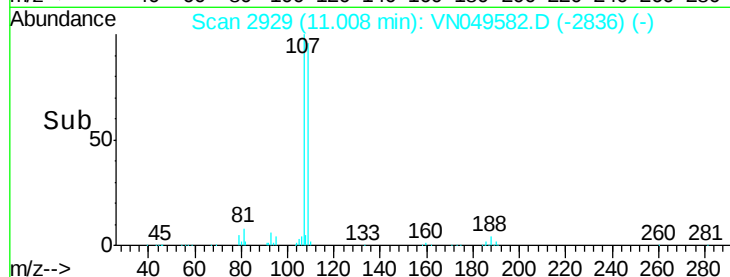
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

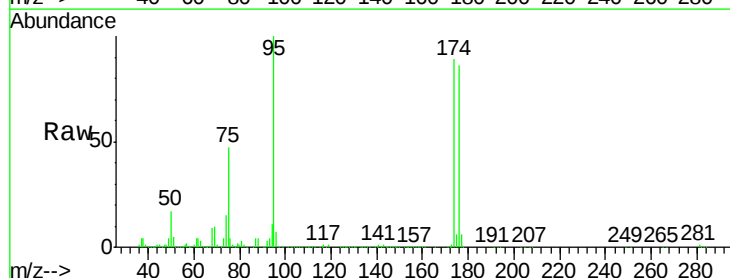
Tgt Ion: 95 Resp: 1148343

Ion Ratio Lower Upper

95 100

174 89.6 0.0 165.6

176 86.4 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

12.40

800000

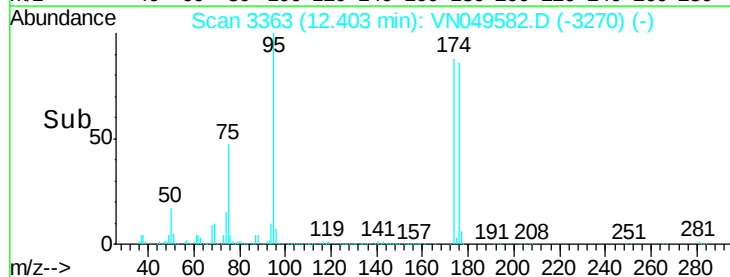
600000

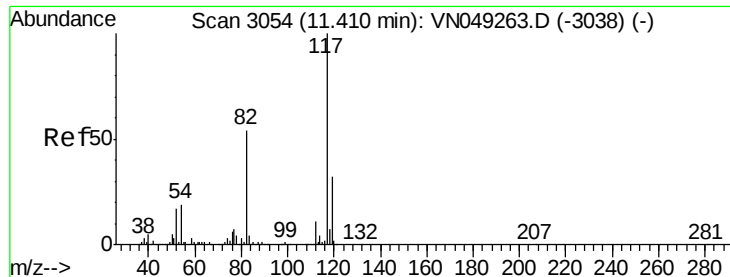
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 2063217

Ion Ratio Lower Upper

117 100

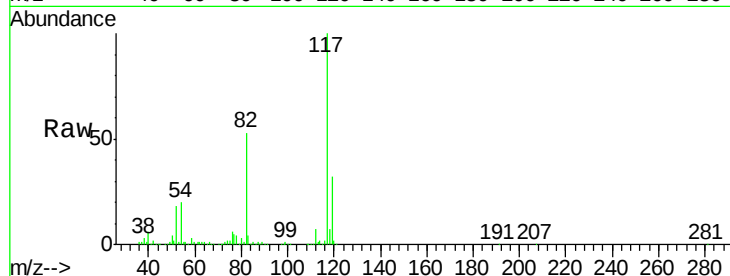
82 53.2 45.9 68.9

119 32.1 25.5 38.3

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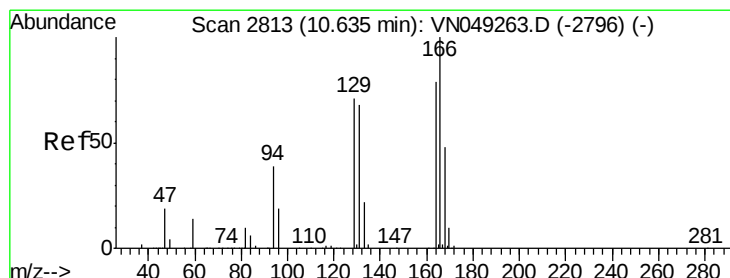
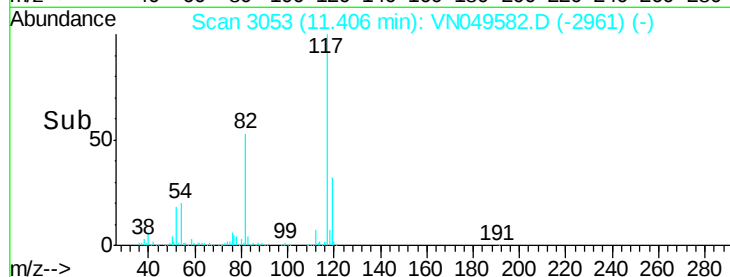
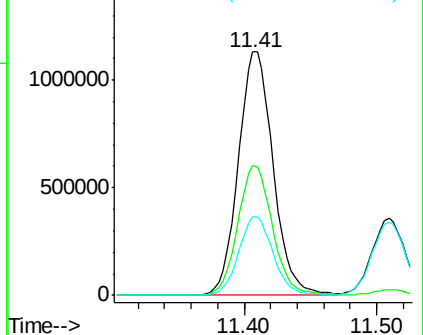
6/29/2018 1:46:41 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 60.01 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion:164 Resp: 1268726

Ion Ratio Lower Upper

164 100

166 127.6 101.4 152.2

129 89.5 74.1 111.1

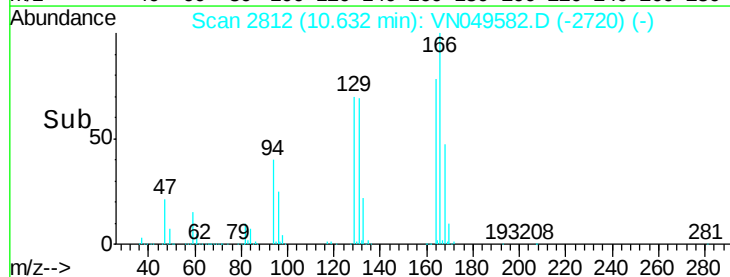
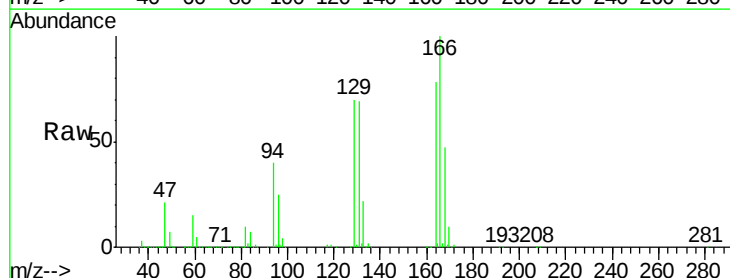
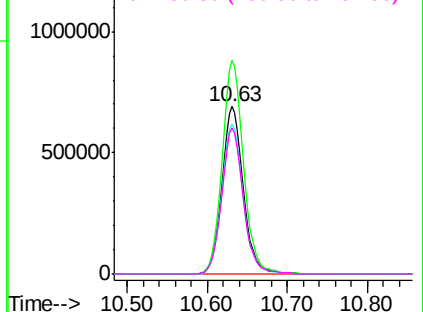
131 87.5 73.7 110.5

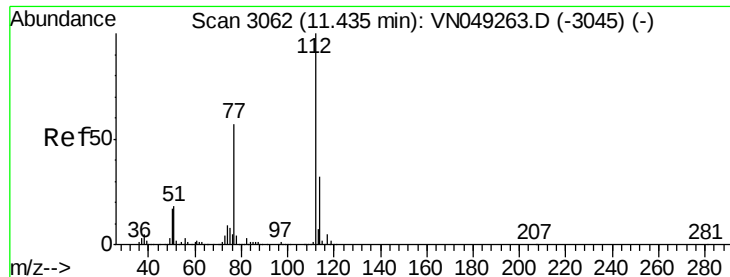
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





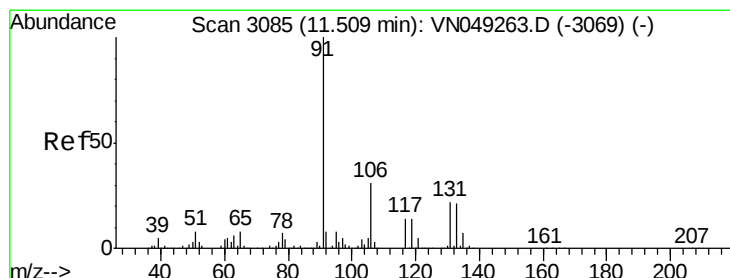
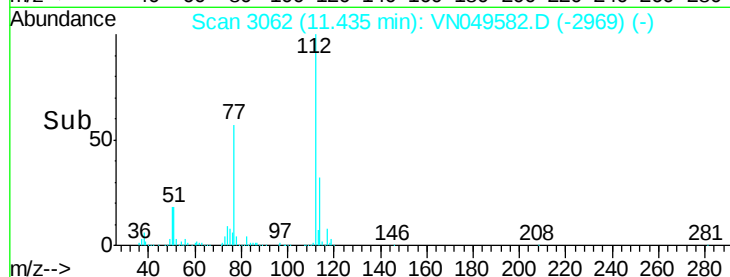
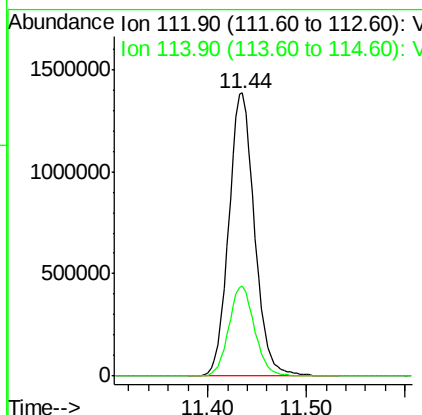
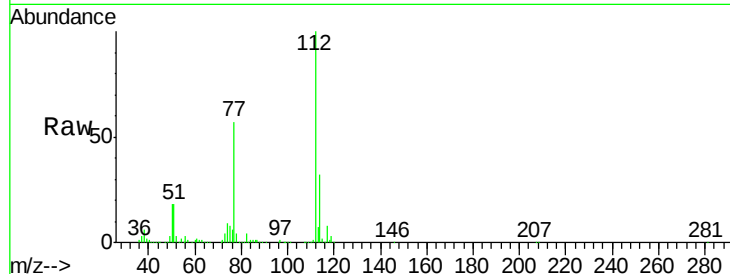
#65
Chlorobenzene
Concen: 47.53 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2526126
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

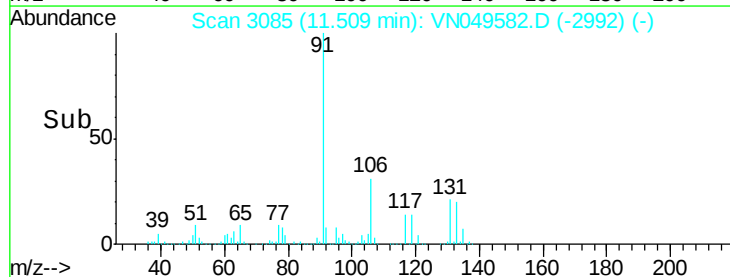
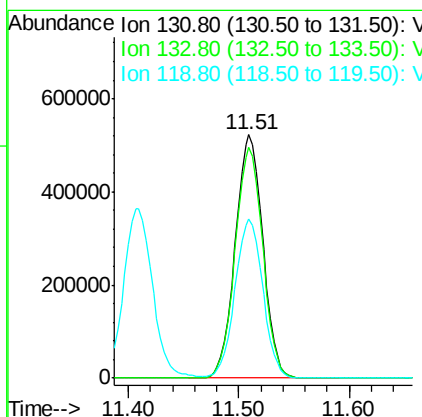
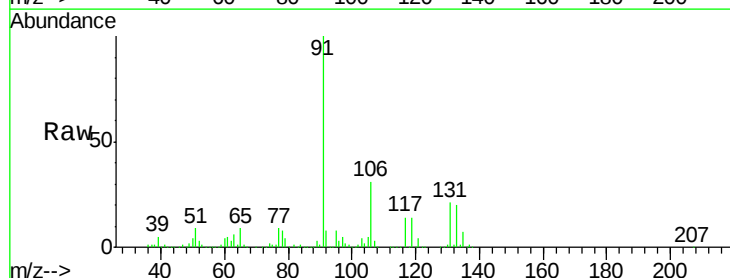
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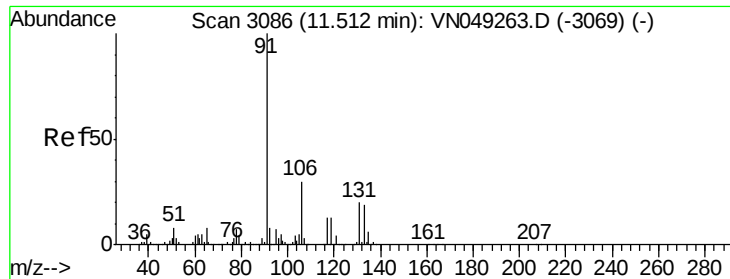
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.14 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion:131 Resp: 902823
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 66.4 33.6 100.8





#67

Ethyl Benzene

Concen: 49.69 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 4380900

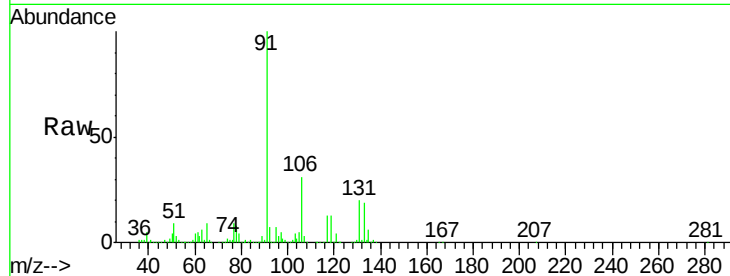
Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9

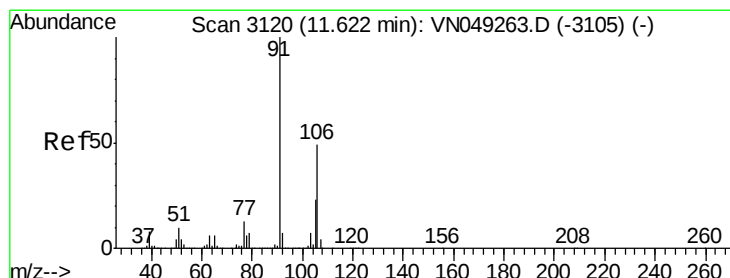
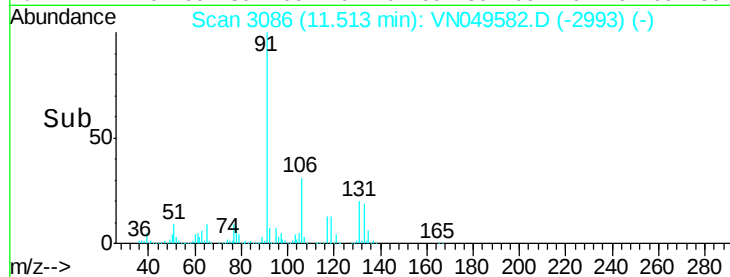
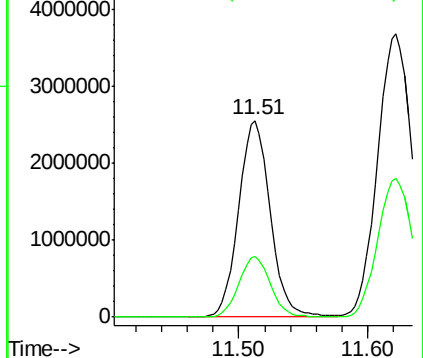
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN049263.D (-3069) (-)



#68

m/p-Xylenes

Concen: 104.07 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049582.D

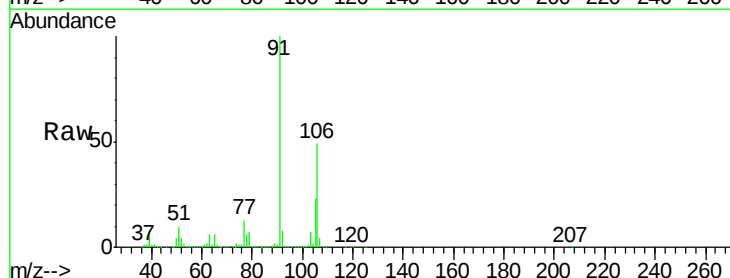
Acq: 28 Jun 2018 11:29

Tgt Ion: 106 Resp: 3443039

Ion Ratio Lower Upper

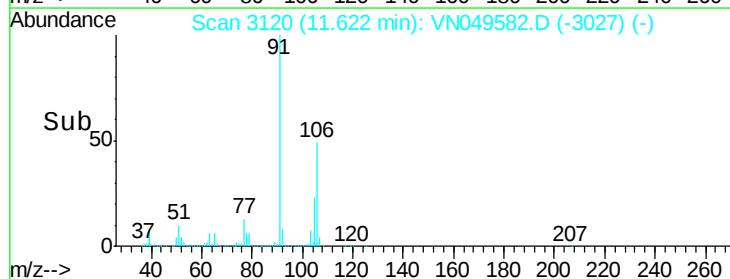
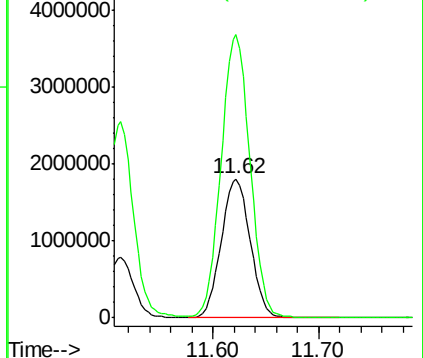
106 100

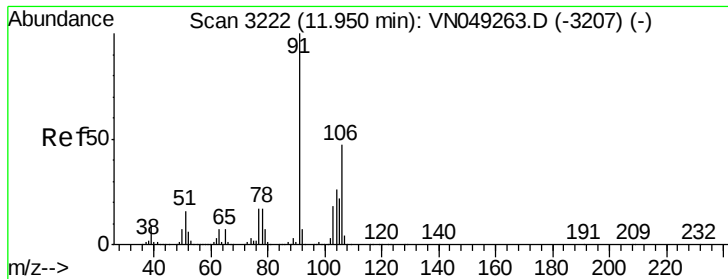
91 202.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-3105) (-)





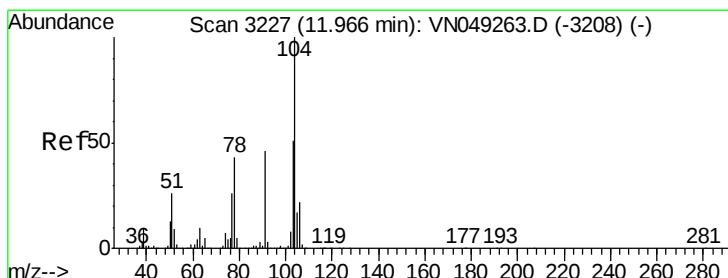
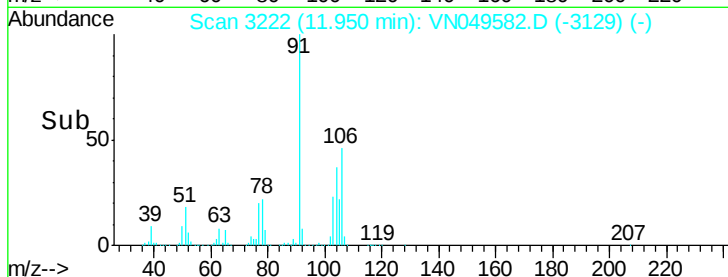
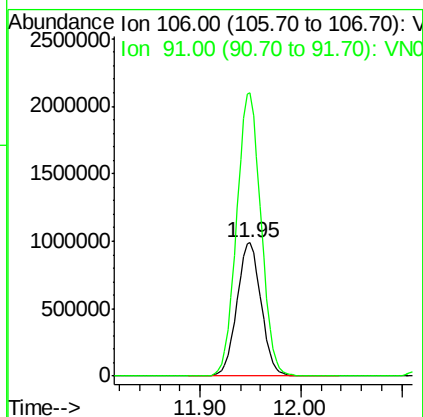
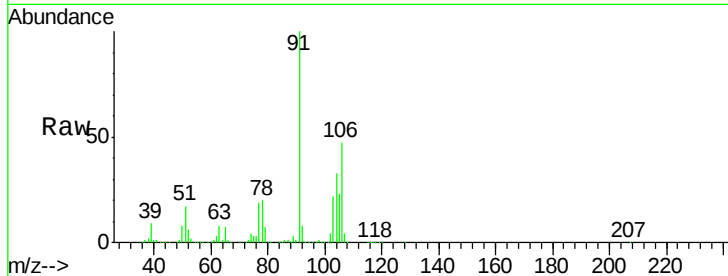
#69
o-Xylene
Concen: 51.49 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1640802
Ion Ratio Lower Upper
106 100
91 213.9 111.0 333.0

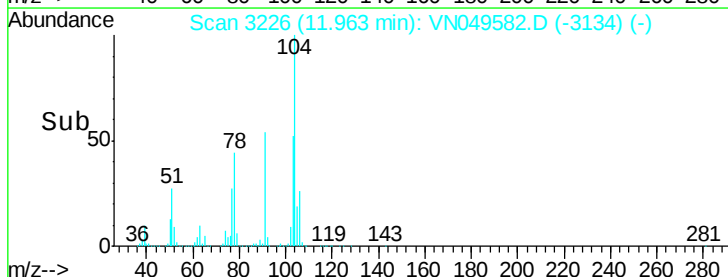
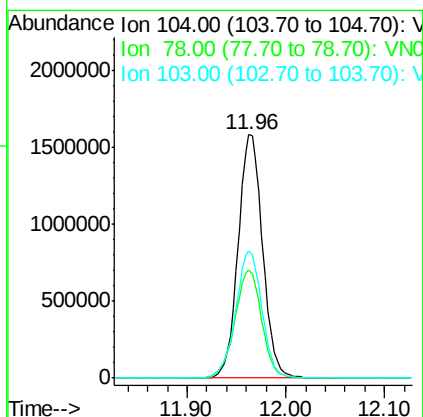
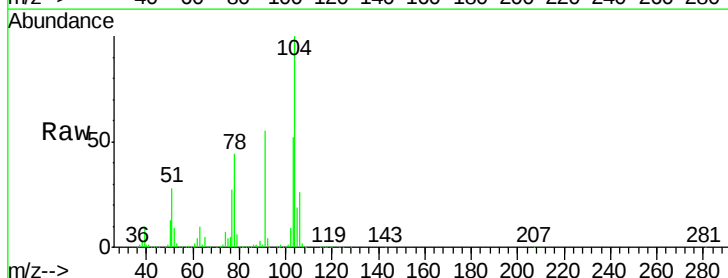
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#70
Styrene
Concen: 53.91 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion:104 Resp: 2710254
Ion Ratio Lower Upper
104 100
78 48.7 41.6 62.4
103 56.0 45.4 68.2





#71

Bromoform

Concen: 46.81 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 606025

Ion Ratio Lower Upper

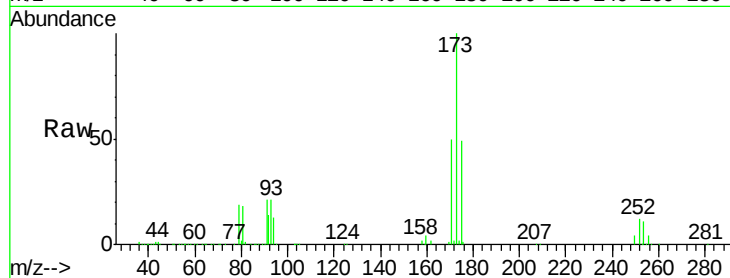
173 100

175 48.2 24.5 73.5

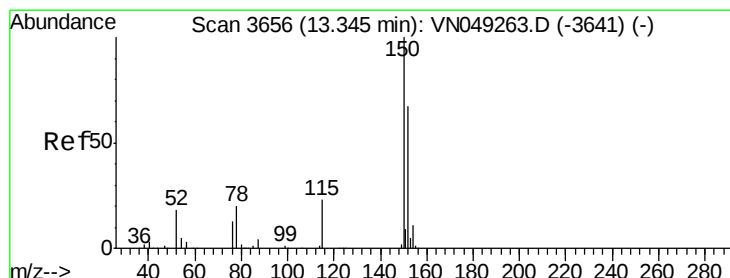
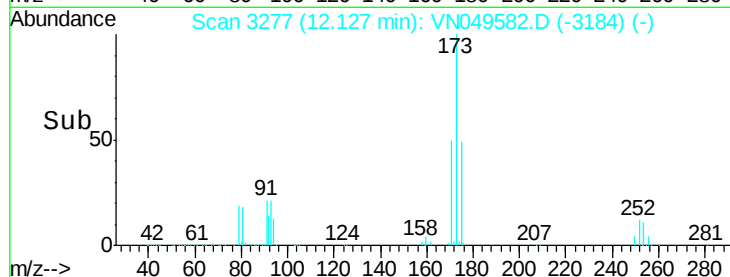
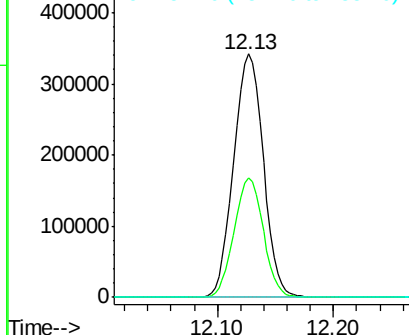
254 0.1 0.1 0.1

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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: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

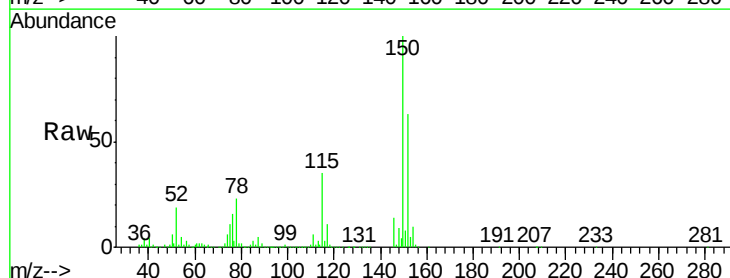
Tgt Ion:152 Resp: 1145995

Ion Ratio Lower Upper

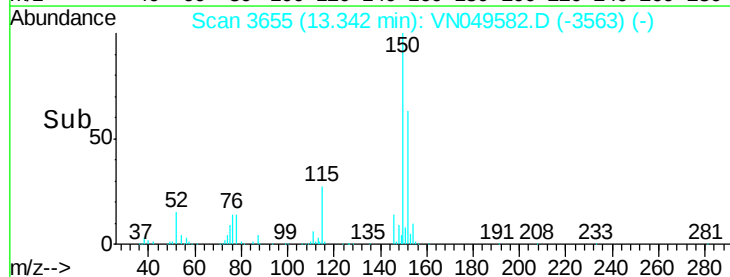
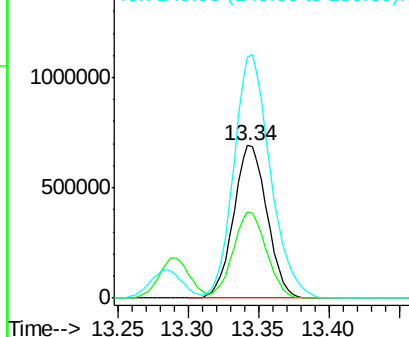
152 100

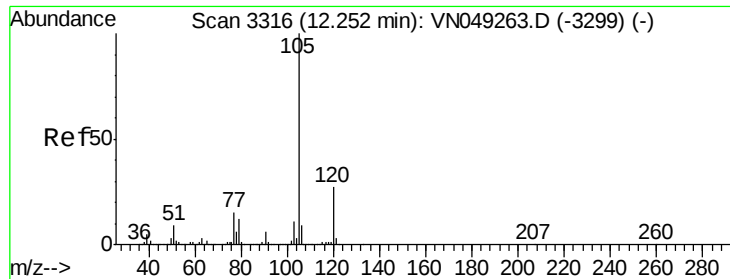
115 56.2 28.7 86.1

150 174.3 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: 43.00 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4326817

Ion Ratio Lower Upper

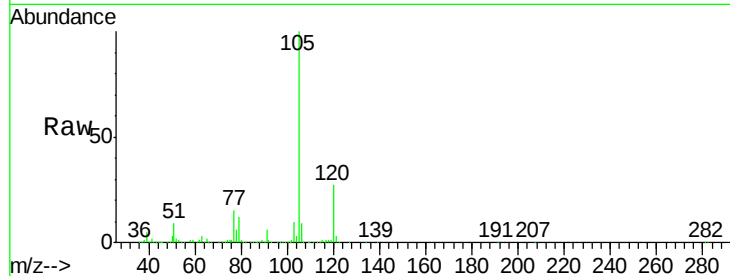
105 100

120 26.8 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

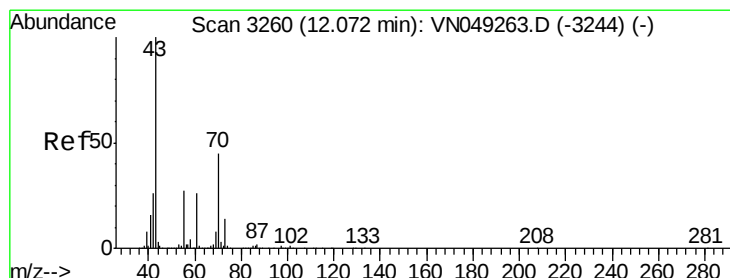
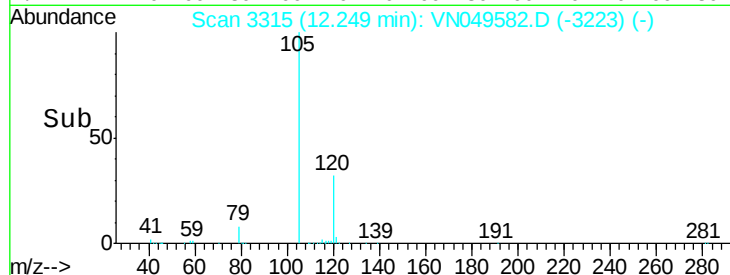
1000000

500000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 46.78 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion: 43 Resp: 1152993

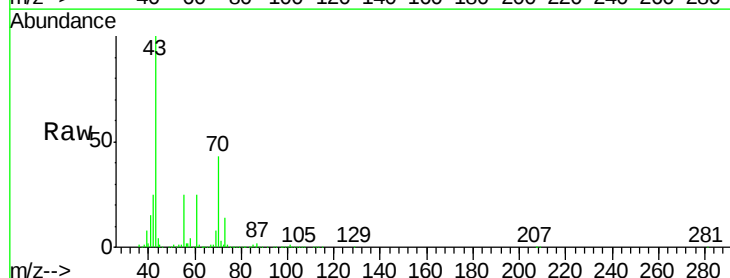
Ion Ratio Lower Upper

43 100

70 43.0 30.3 45.5

55 26.0 19.4 29.2

61 24.8 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

1000000

800000

600000

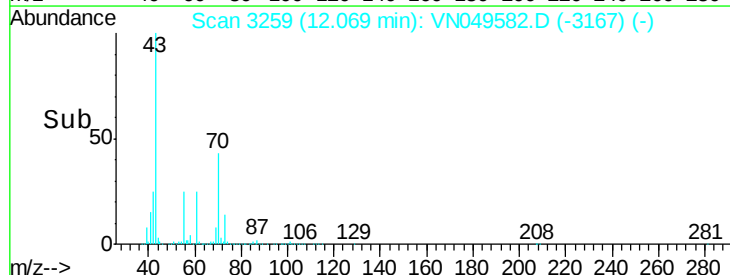
400000

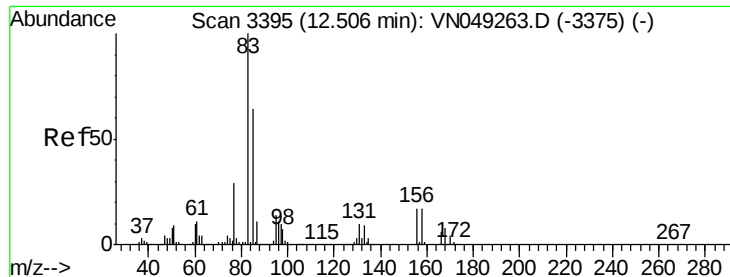
200000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 41.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

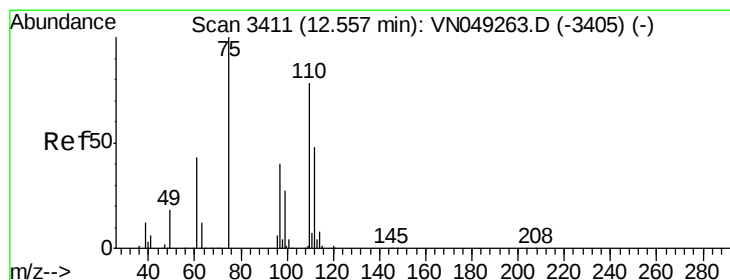
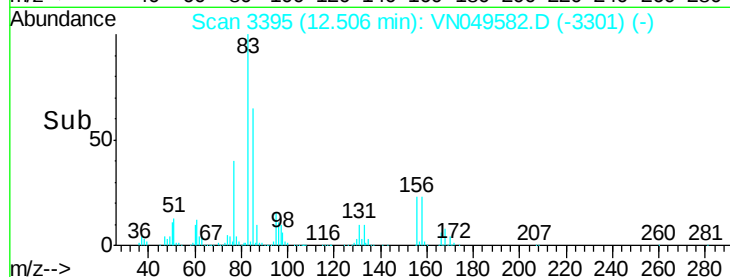
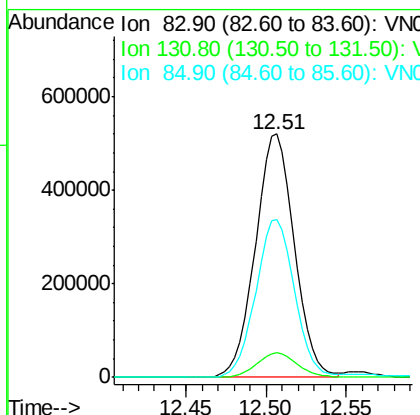
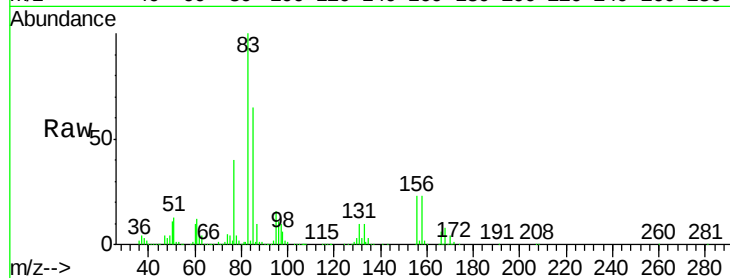
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	873663
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.5	32.0	96.0

Manual Integrations
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6/29/2018 1:46:41 PM



#76

1,2,3-Trichloropropane

Concen: 40.58 ug/l m

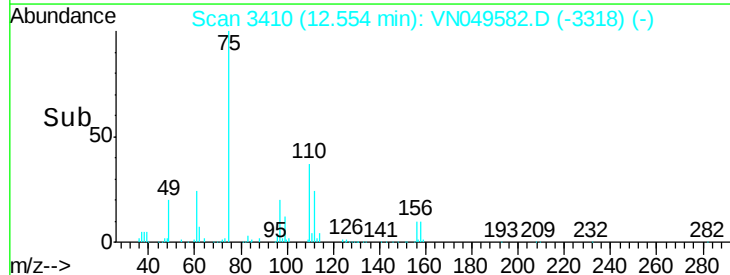
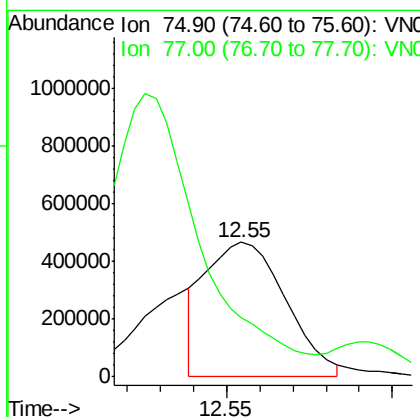
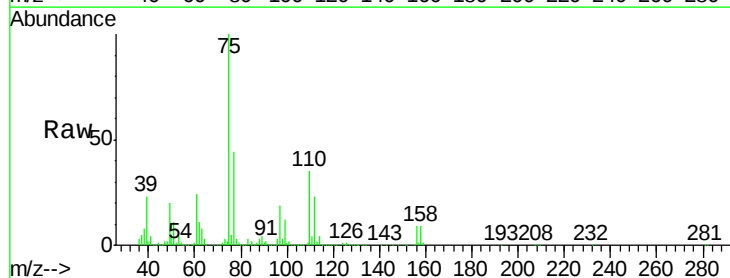
RT: 12.55 min Scan# 3410

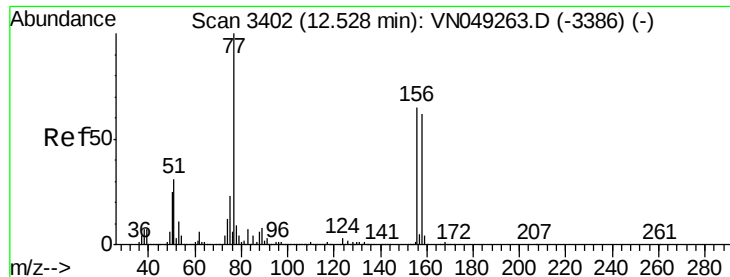
Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Tgt Ion:	75	Resp:	793558
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 41.56 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1104600

Ion Ratio Lower Upper

156 100

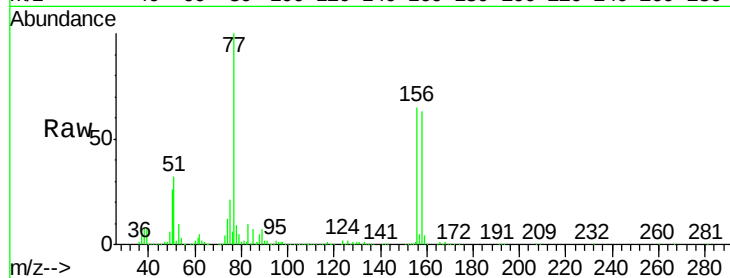
77 178.3 100.8 302.4

158 97.2 49.3 147.9

Manual Integrations
APPROVED

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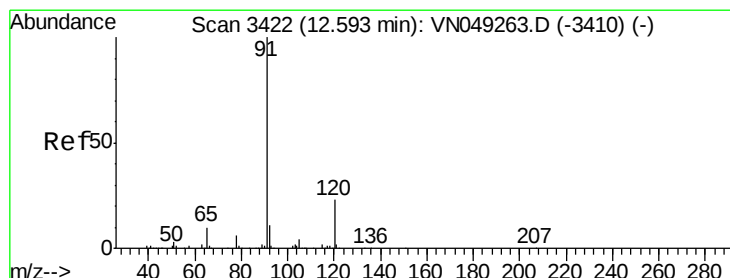
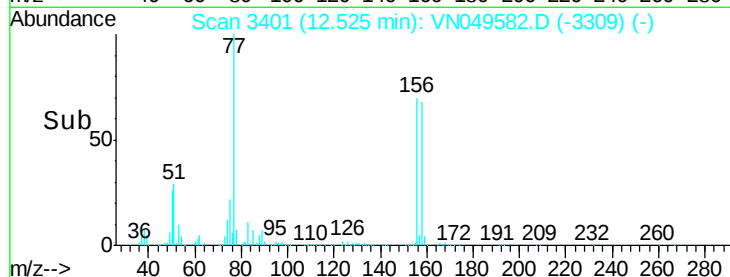
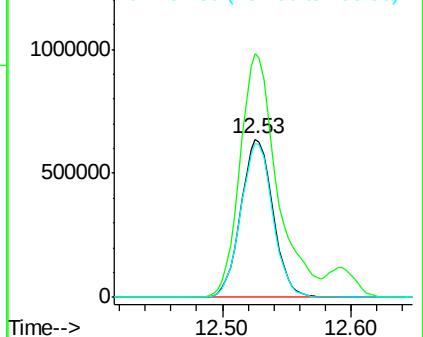
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049582.D

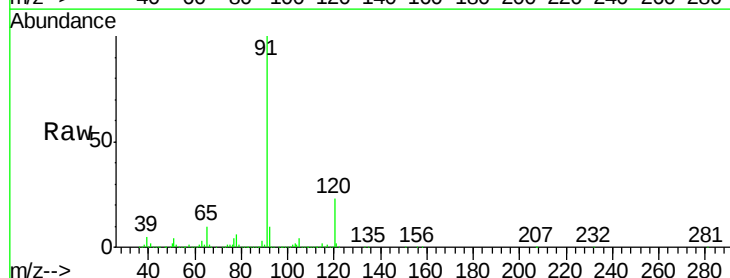
Acq: 28 Jun 2018 11:29

Tgt Ion: 91 Resp: 5127568

Ion Ratio Lower Upper

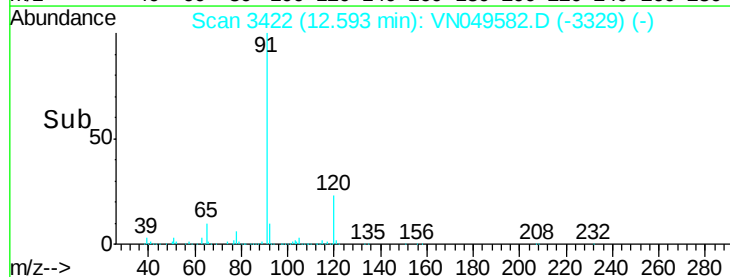
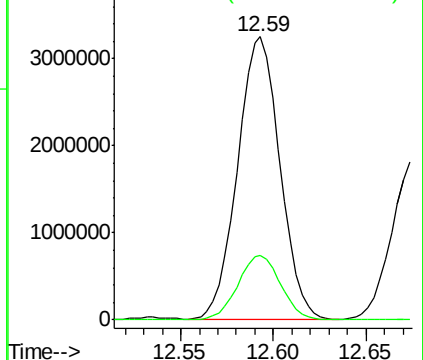
91 100

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: 43.10 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3017021

Ion Ratio Lower Upper

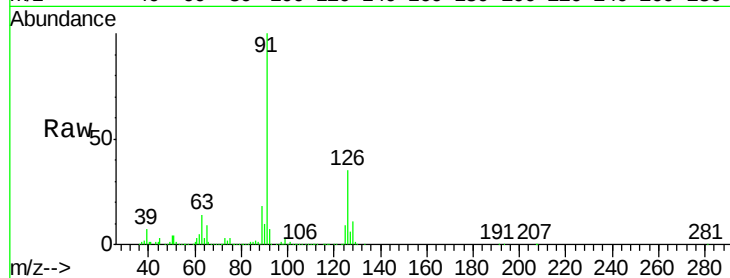
91 100

126 35.3 16.6 49.8

Manual Integrations
APPROVED

MMDadoda

6/29/2018 1:46:41 PM



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

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

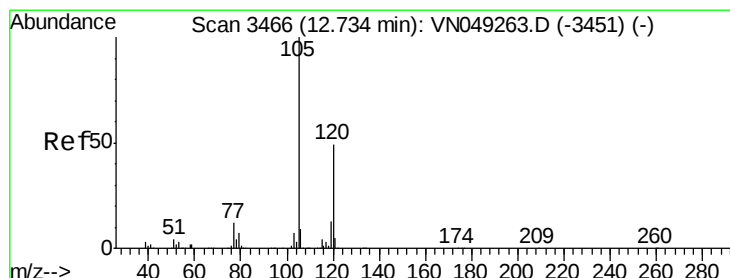
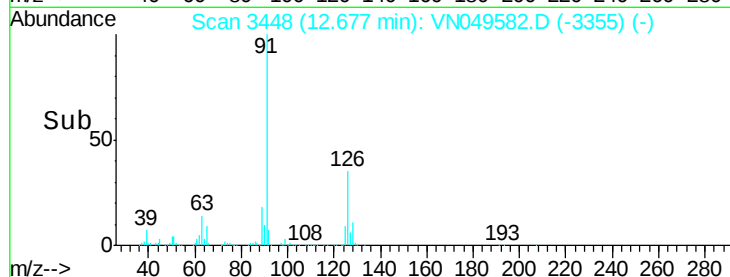
3000000

2000000

1000000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 47.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049582.D

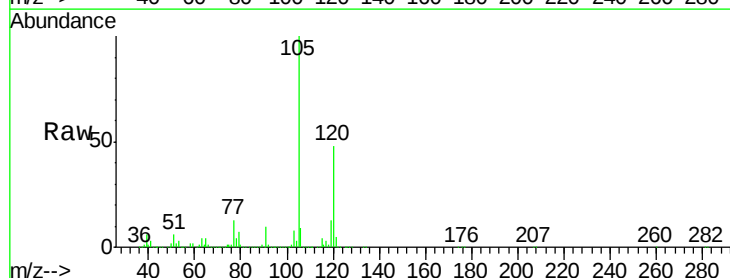
Acq: 28 Jun 2018 11:29

Tgt Ion:105 Resp: 3732340

Ion Ratio Lower Upper

105 100

120 48.4 23.5 70.5



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

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

2500000

2000000

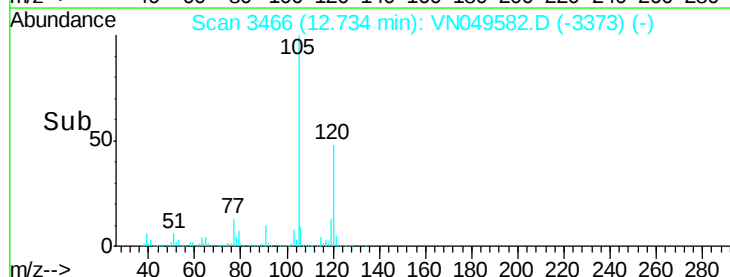
1500000

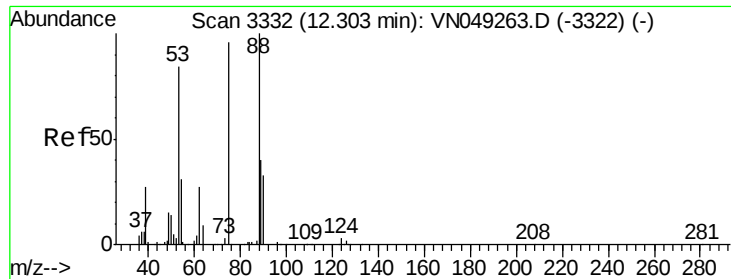
1000000

500000

0

Time--> 12.70 12.80





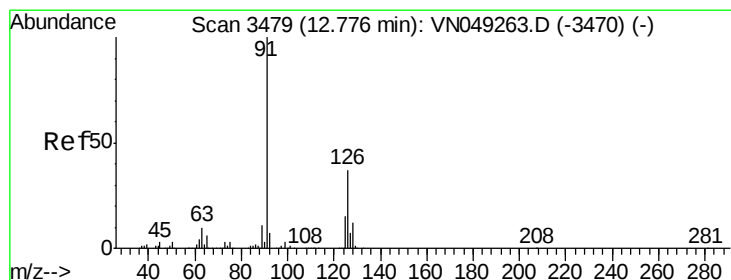
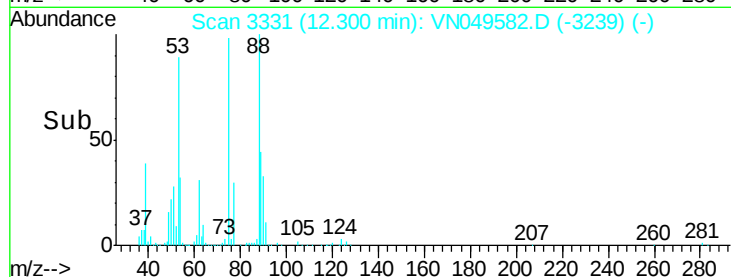
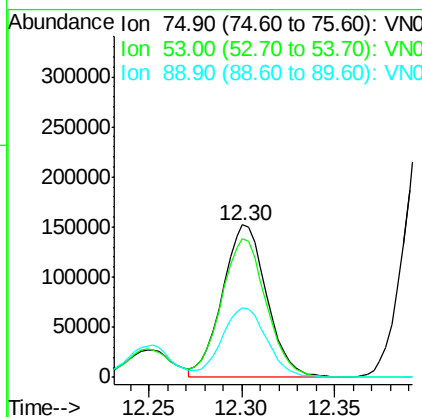
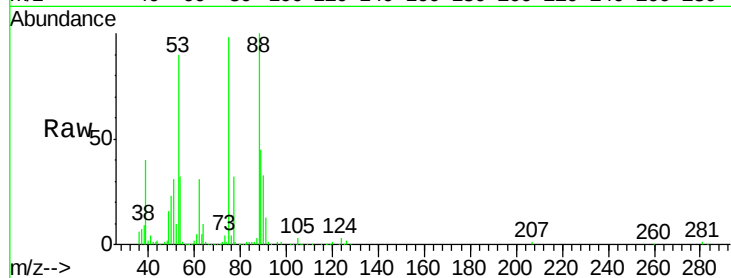
#81
trans-1,4-Dichloro-2-butene
Concen: 40.71 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	82.7	124.1
89	46.1	36.5	54.7

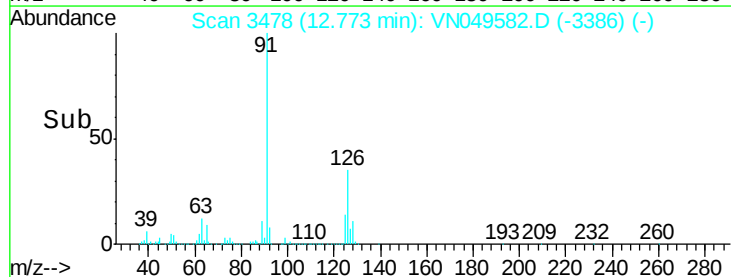
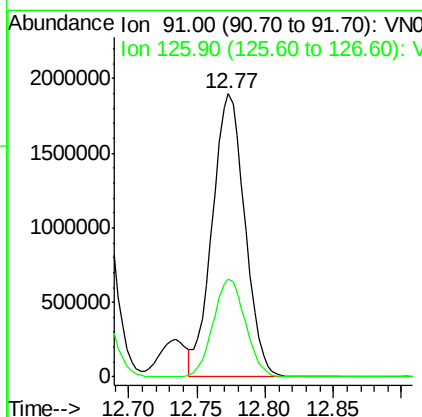
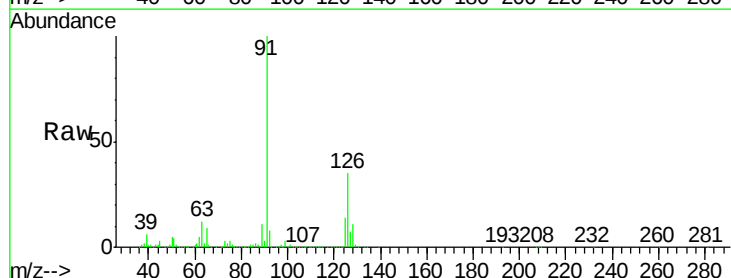
Manual Integrations
APPROVED

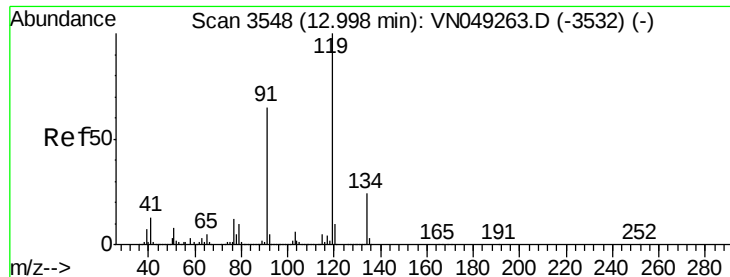
MMDadoda
6/29/2018 1:46:41 PM



#82
4-Chlorotoluene
Concen: 46.45 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 44.21 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3097918

Ion Ratio Lower Upper

119 100

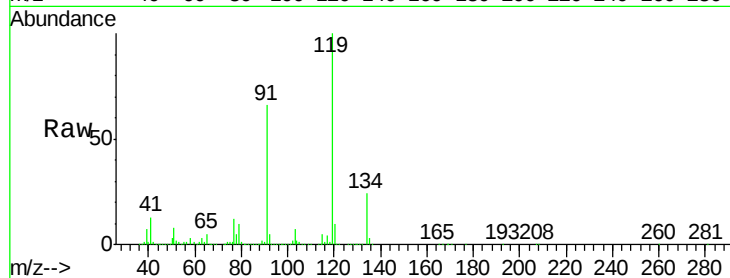
91 64.2 33.7 101.0

134 25.6 12.9 38.6

Manual Integrations
APPROVED

MMDadoda

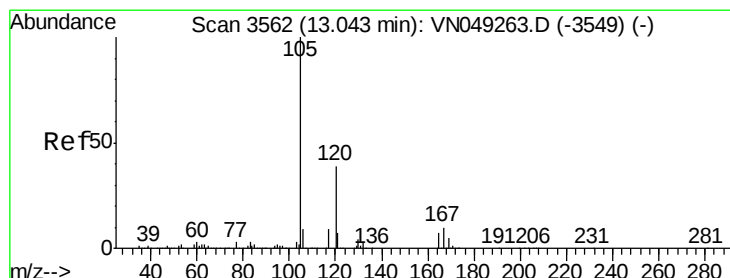
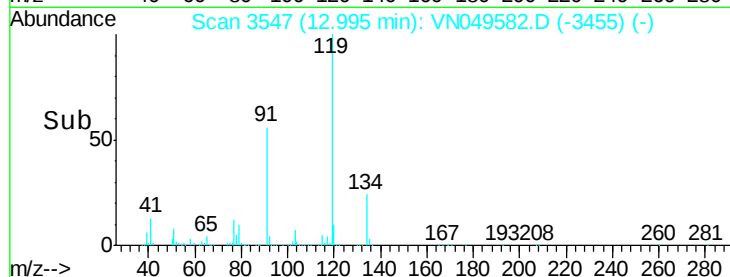
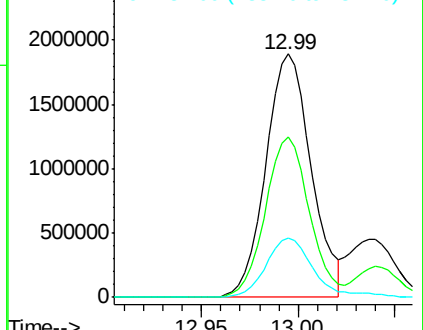
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.59 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049582.D

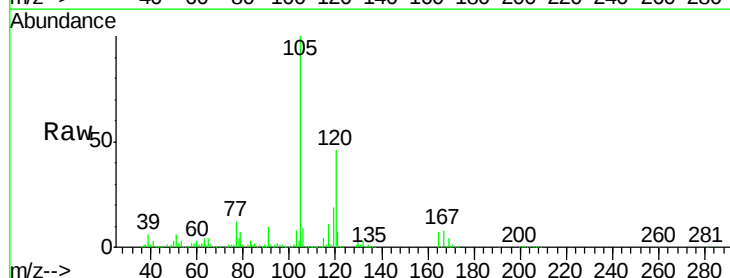
Acq: 28 Jun 2018 11:29

Tgt Ion:105 Resp: 3817770

Ion Ratio Lower Upper

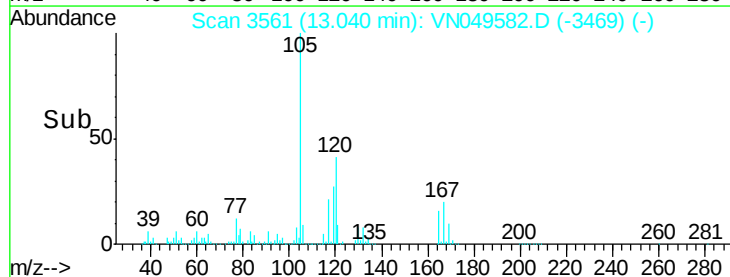
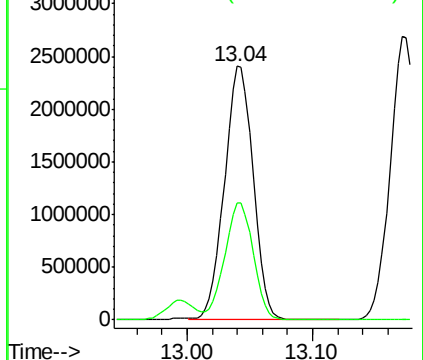
105 100

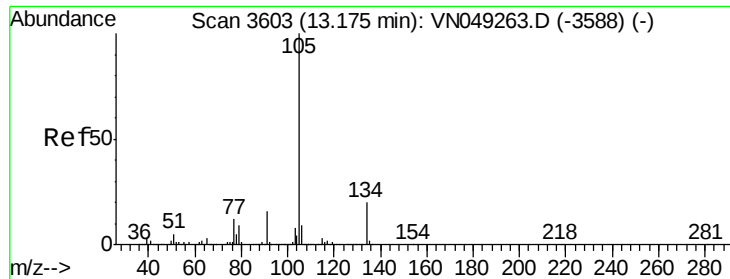
120 46.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.23 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4218479

Ion Ratio Lower Upper

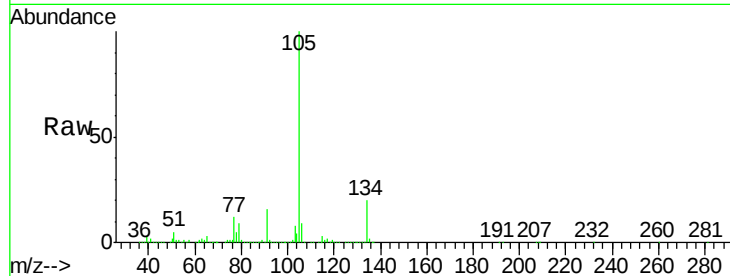
105 100

134 20.3 9.8 29.3

Manual Integrations
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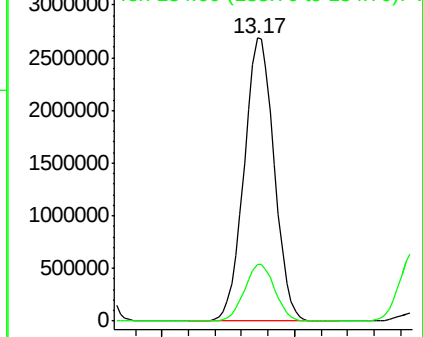
MMDadoda

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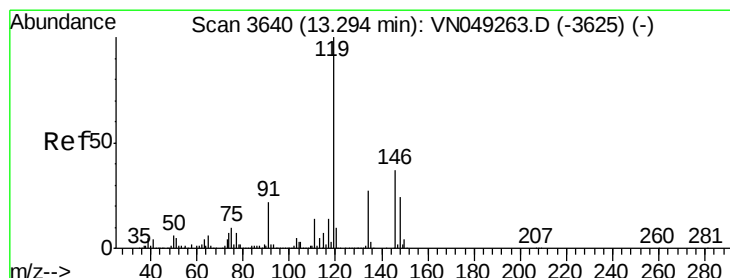
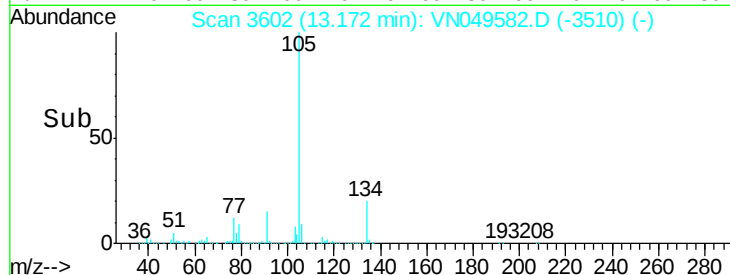


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 48.44 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049582.D

Acq: 28 Jun 2018 11:29

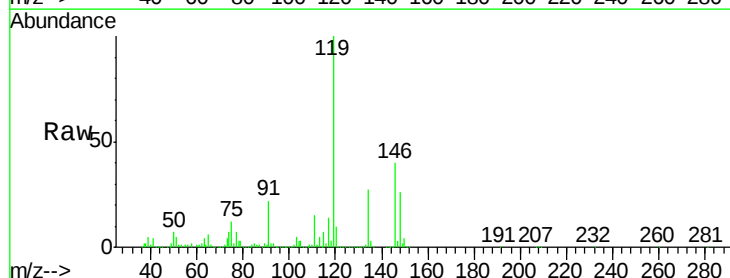
Tgt Ion:119 Resp: 3773973

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

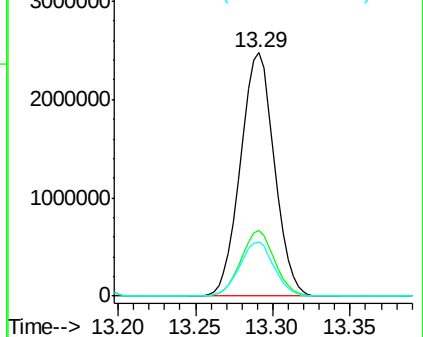
91 22.5 12.1 36.3



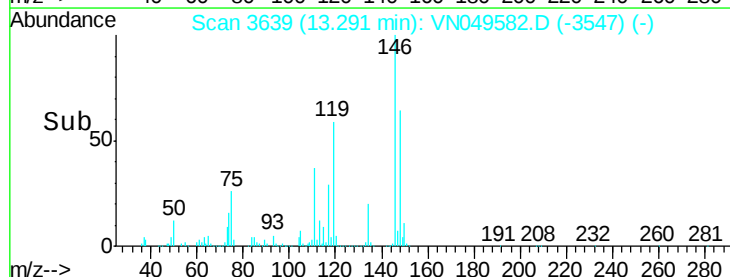
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35





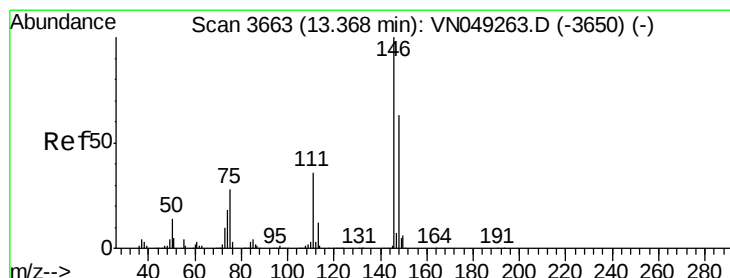
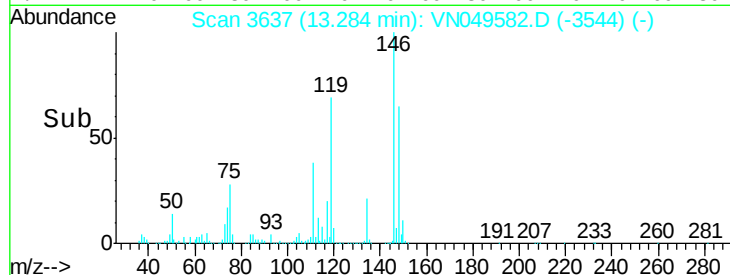
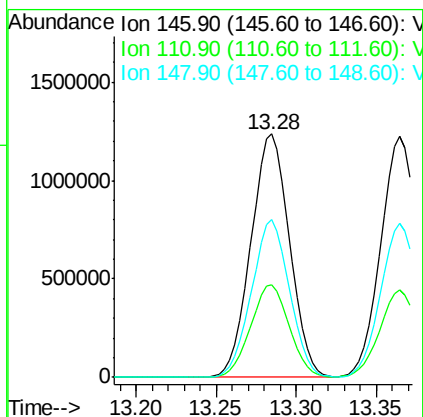
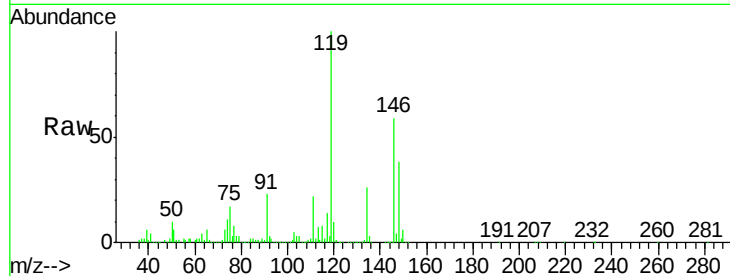
#87
 1,3-Dichlorobenzene
 Concen: 46.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	63.9	32.1	96.5

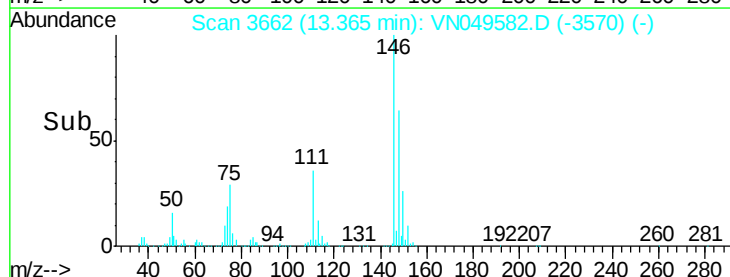
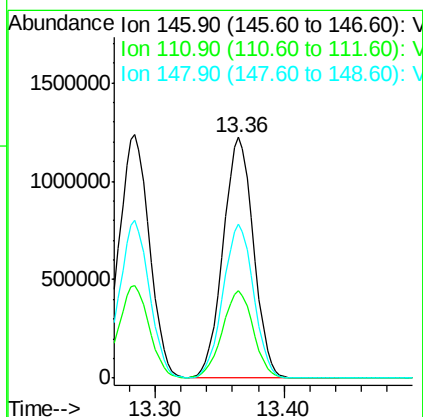
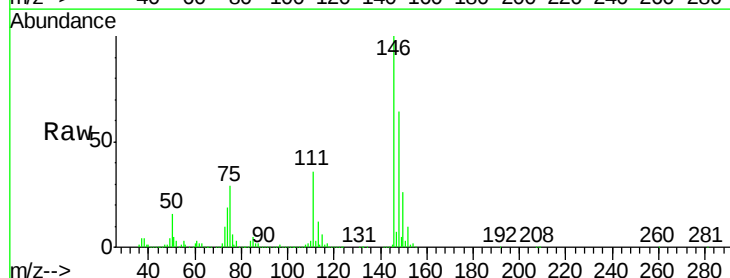
Manual Integrations
 APPROVED

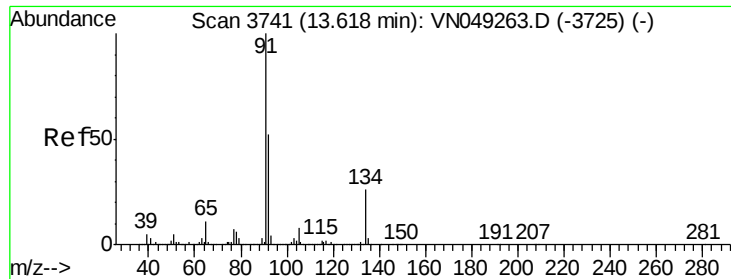
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.09 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	64.1	32.0	96.2





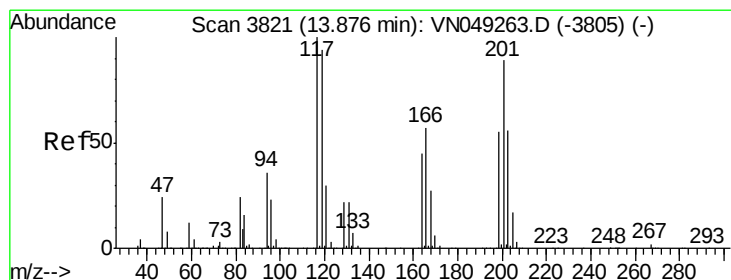
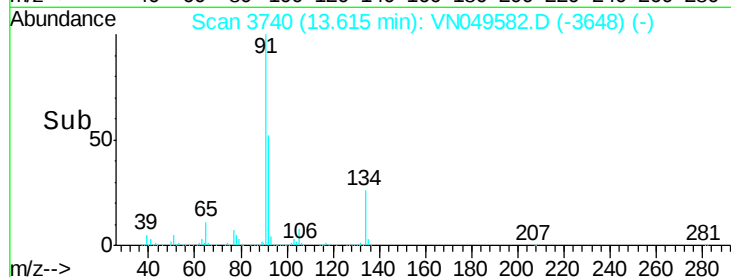
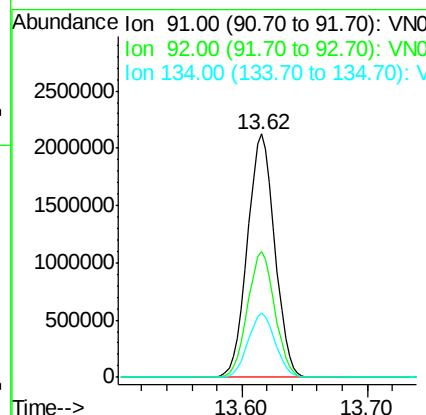
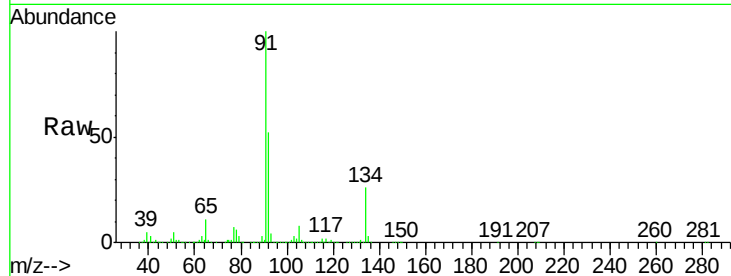
#89
n-Butylbenzene
Concen: 52.76 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.1	75.4
134	26.4	12.0	36.0

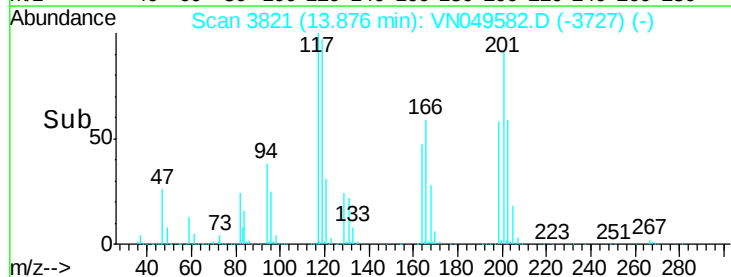
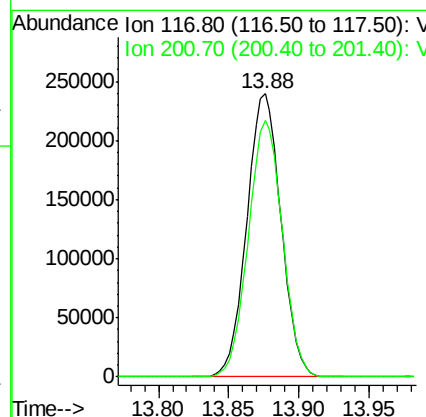
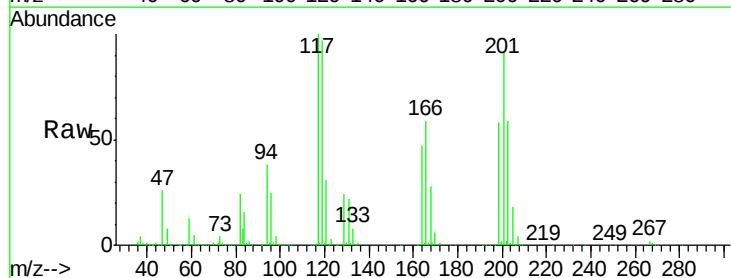
Manual Integrations
APPROVED

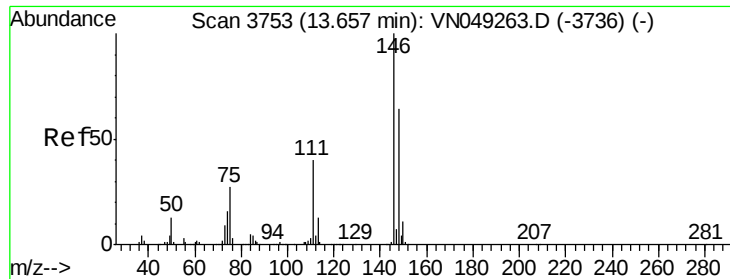
MMDadoda
6/29/2018 1:46:41 PM



#90
Hexachloroethane
Concen: 26.87 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	40.1	120.2





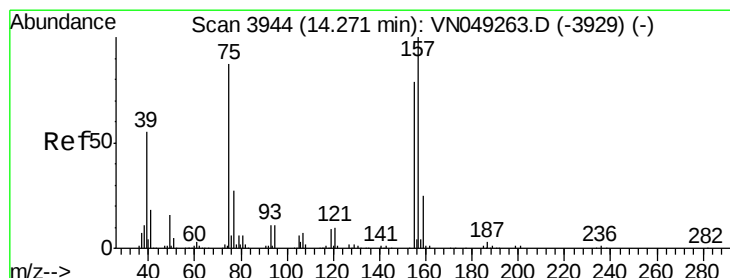
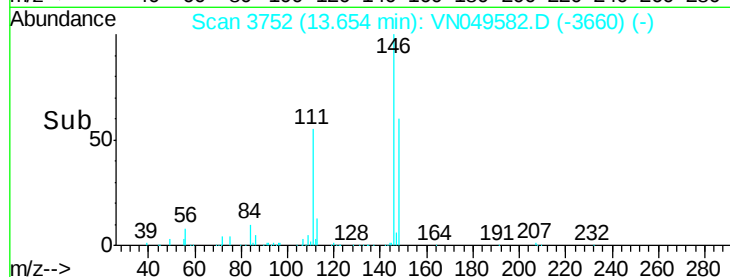
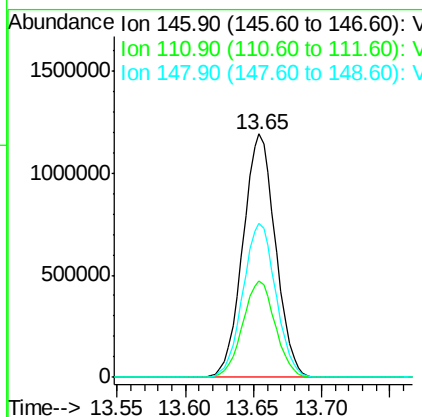
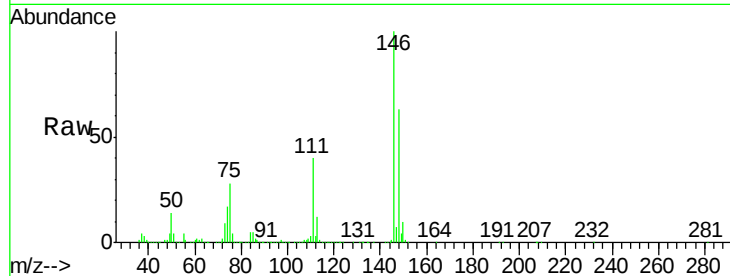
#91
 1,2-Dichlorobenzene
 Concen: 45.95 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	64.0	32.0	96.2

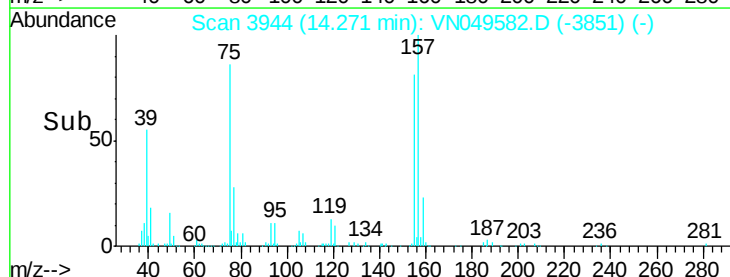
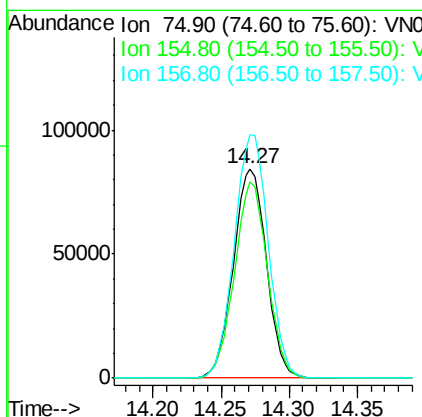
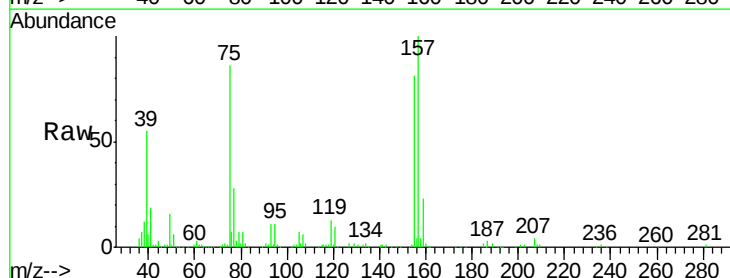
Manual Integrations
 APPROVED

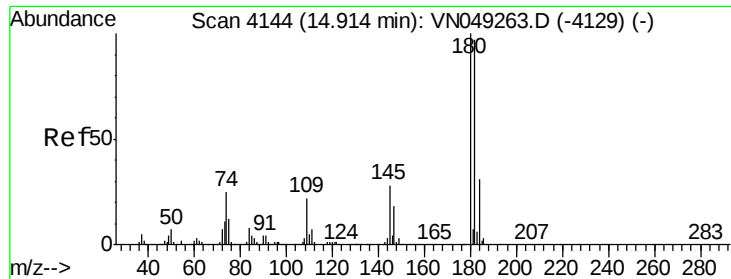
MMDadoda
 6/29/2018 1:46:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.70 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	38.8	116.3
157	119.5	51.0	153.1





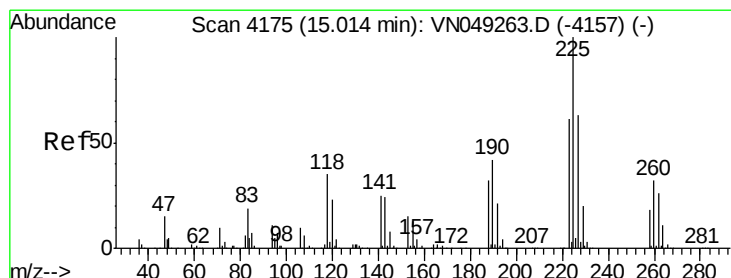
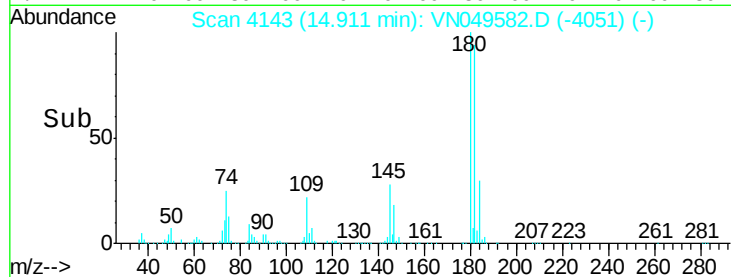
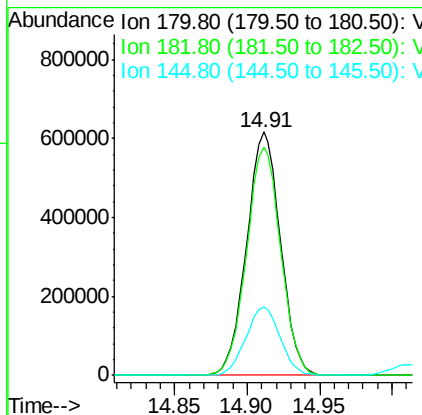
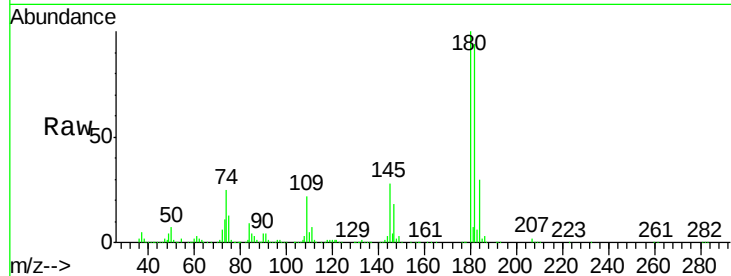
#93
 1,2,4-Trichlorobenzene
 Concen: 50.80 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.8
145	28.6	14.7	44.1

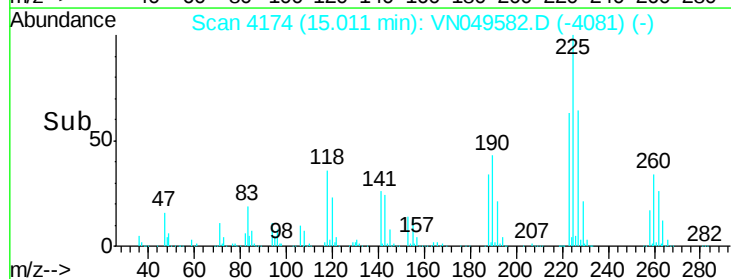
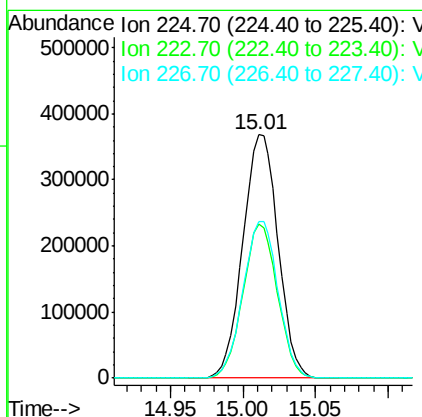
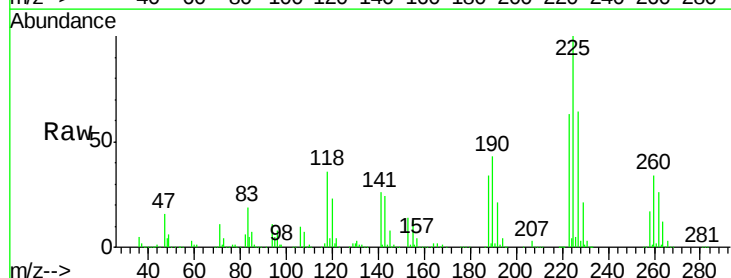
Manual Integrations
 APPROVED

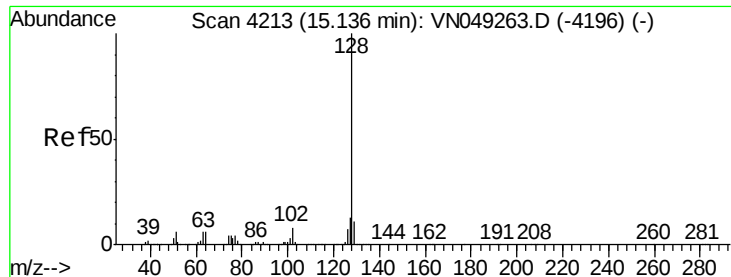
MMDadoda
 6/29/2018 1:46:41 PM



#94
 Hexachlorobutadiene
 Concen: 49.66 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049582.D
 Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.1	96.3
227	64.3	31.8	95.3





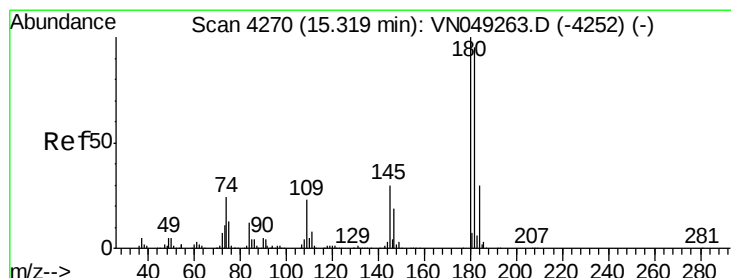
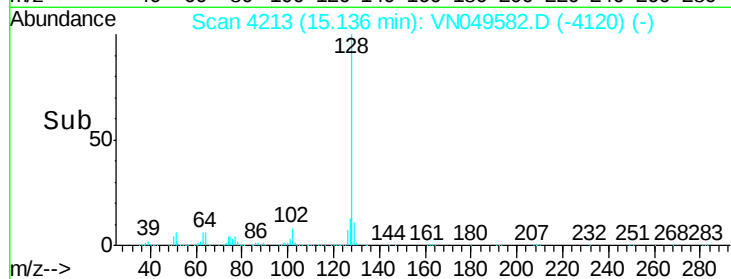
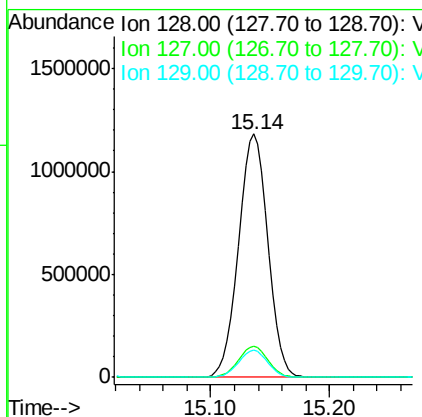
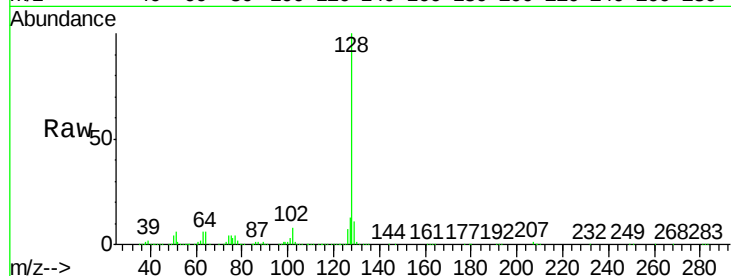
#95
Naphthalene
Concen: 56.62 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.24 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049582.D
Acq: 28 Jun 2018 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	29.6	15.6	46.7

