

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021121\
 Data File : VN065813.D
 Acq On : 11 Feb 2021 14:24
 Operator : JC/MD
 Sample : M1363-03
 Misc : 3.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VCP-SS-9-SOIL

Quant Time: Feb 11 15:09:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.618	168	147331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.544	114	239426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	215765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	89823	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.981	65	81169	41.88	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	83.76%
35) Dibromofluoromethane	7.544	113	69174	48.75	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.50%
50) Toluene-d8	10.055	98	297495	53.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.68%
62) 4-Bromofluorobenzene	12.373	95	103406	51.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.98%

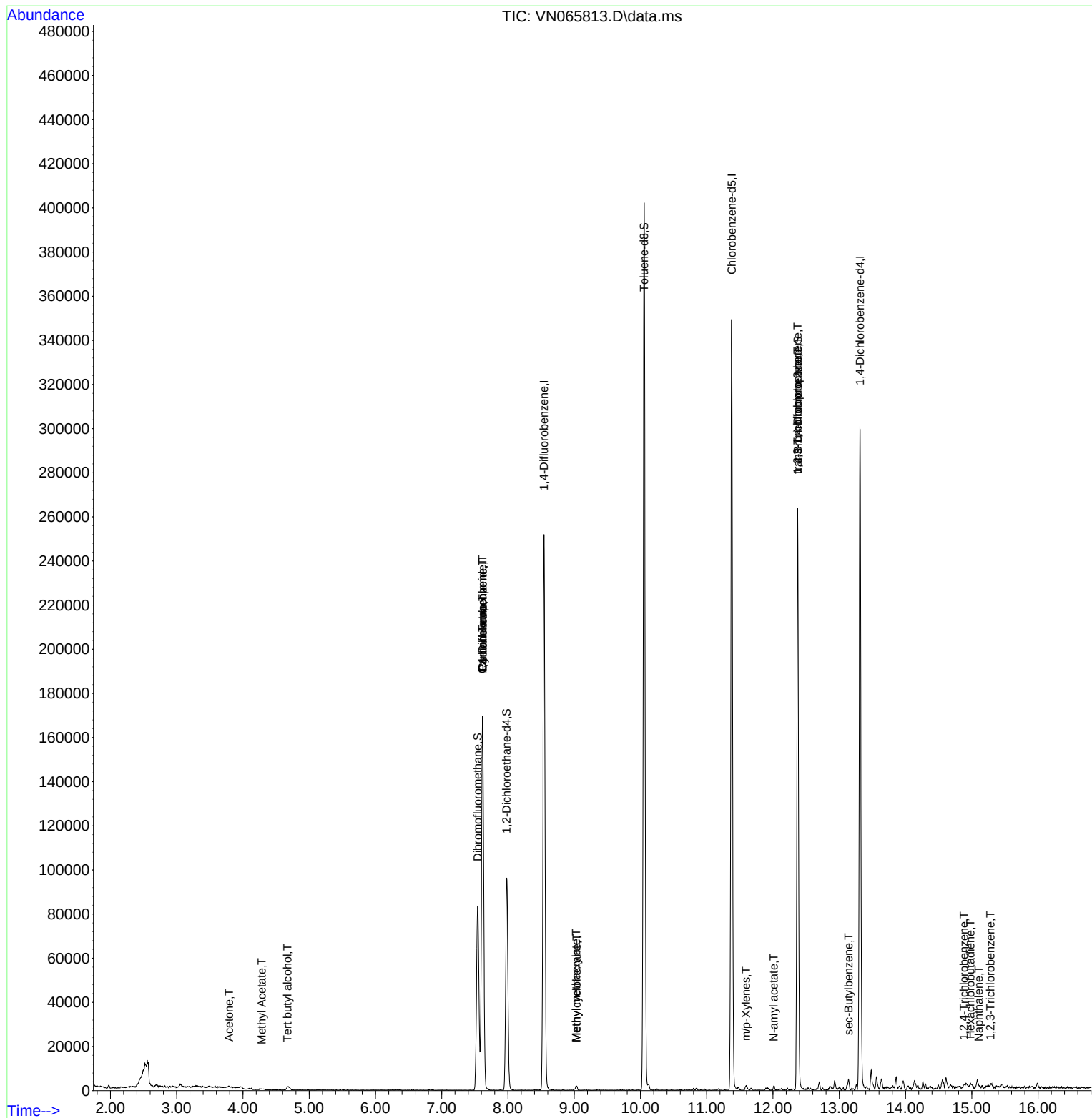
Target Compounds						Qvalue
11) Tert butyl alcohol	4.672	59	1695	4.67	ug/l #	73
16) Acetone	3.788	43	1050	1.39	ug/l #	41
18) Methyl Acetate	4.283	43	1195	0.57	ug/l #	51
31) Cyclohexane	7.618	56	2878	0.79	ug/l #	1
36) 1,1-Dichloropropene	7.614	75	10406	4.32	ug/l #	47
38) Carbon Tetrachloride	7.614	117	13344	6.73	ug/l #	16
39) Methylcyclohexane	9.036	83	897	0.31	ug/l	91
48) Methyl methacrylate	9.029	41	462	0.24	ug/l #	13
68) m/p-Xylenes	11.595	106	872	0.28	ug/l	94
74) N-amyl acetate	12.013	43	753	0.23	ug/l #	47
76) 1,2,3-Trichloropropane	12.370	75	46515	19.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.370	75	46515	50.72	ug/l #	12
85) sec-Butylbenzene	13.142	105	3901	0.52	ug/l	93
93) 1,2,4-Trichlorobenzene	14.881	180	581	3.66	ug/l #	52
94) Hexachlorobutadiene	14.981	225	249	0.55	ug/l #	57
95) Naphthalene	15.106	128	1939	3.76	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.283	180	729	3.23	ug/l #	77

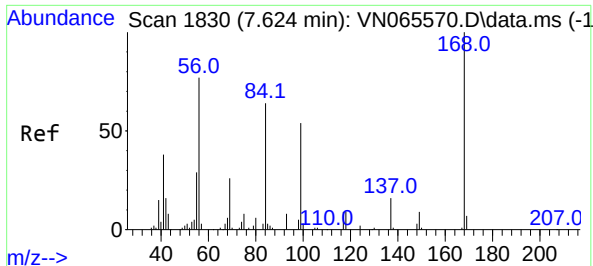
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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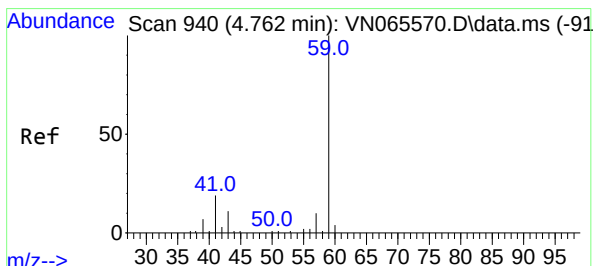
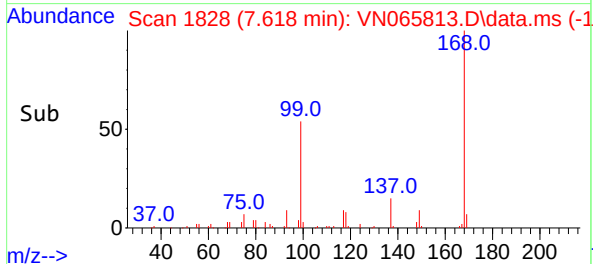
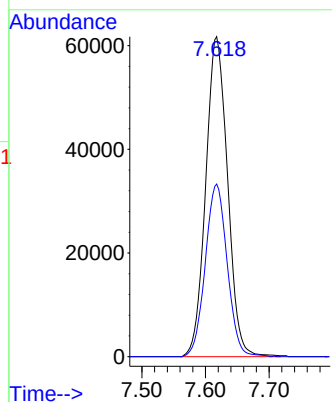
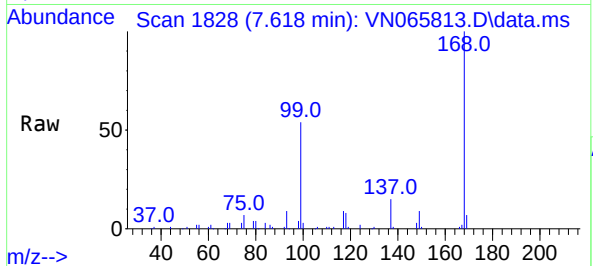




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.006 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

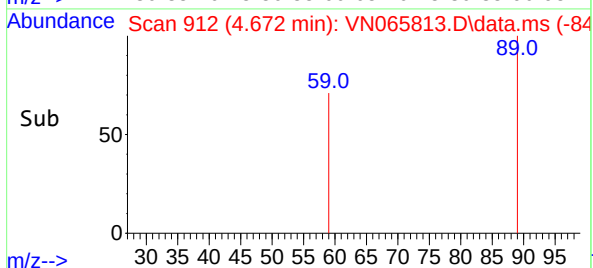
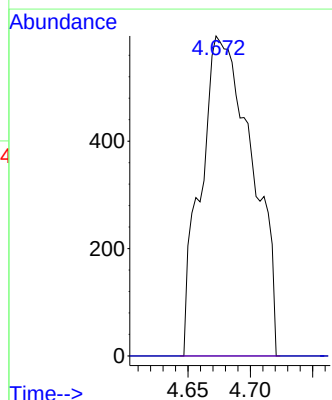
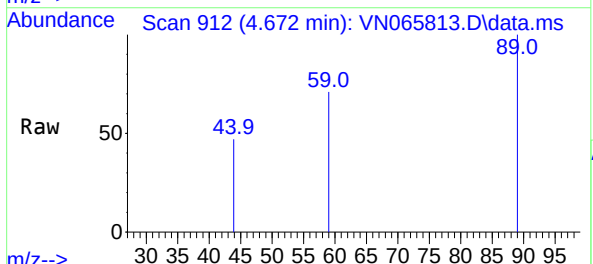
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

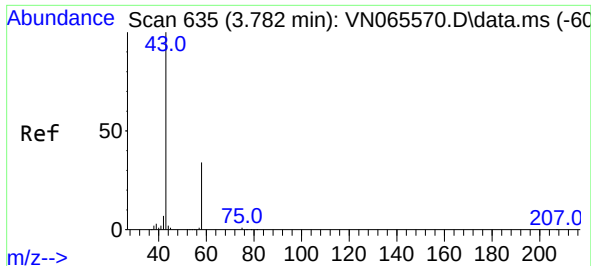
Tgt Ion:168 Resp: 147331
Ion Ratio Lower Upper
168 100
99 53.9 42.6 63.8



#11
Tert butyl alcohol
Concen: 4.67 ug/l
RT: 4.672 min Scan# 912
Delta R.T. -0.090 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion: 59 Resp: 1695
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

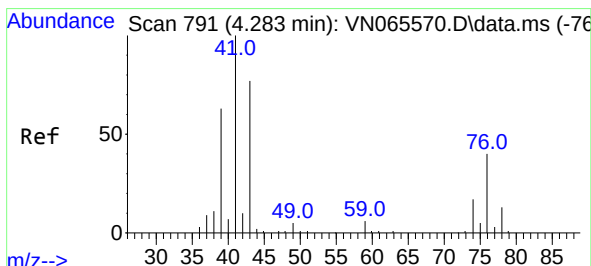
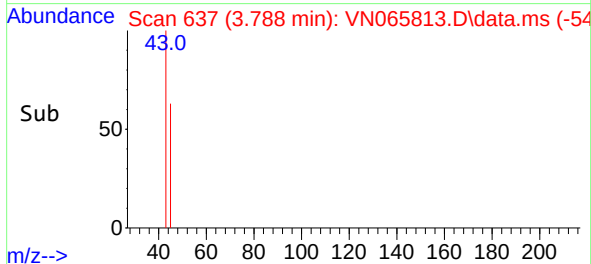
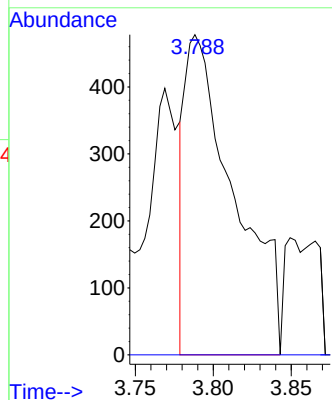
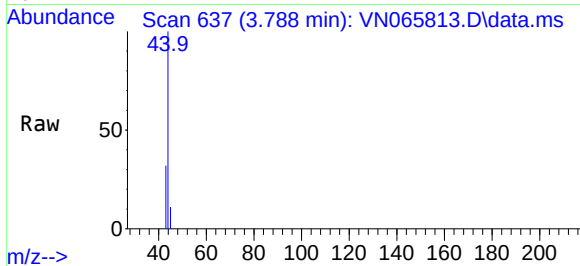




#16
Acetone
Concen: 1.39 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.006 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

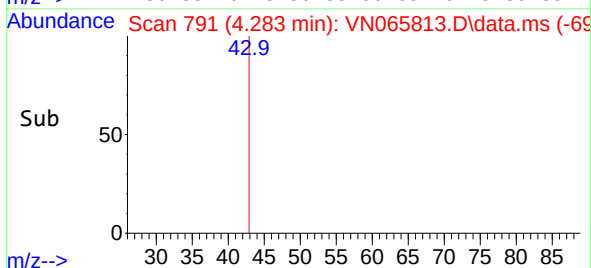
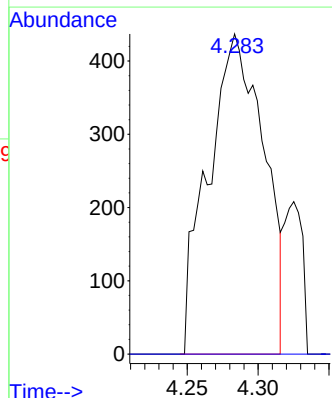
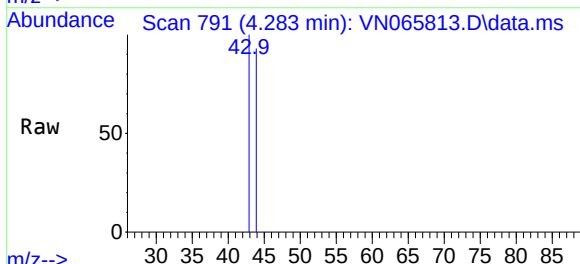
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

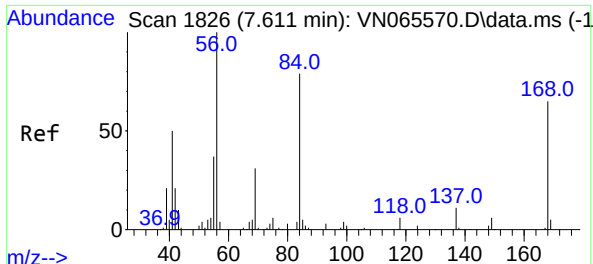
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#18
Methyl Acetate
Concen: 0.57 ug/l
RT: 4.283 min Scan# 791
Delta R.T. 0.000 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#





#31

Cyclohexane

Concen: 0.79 ug/l

RT: 7.618 min Scan# 1828

Delta R.T. 0.007 min

Lab File: VN065813.D

Acq: 11 Feb 2021 14:24

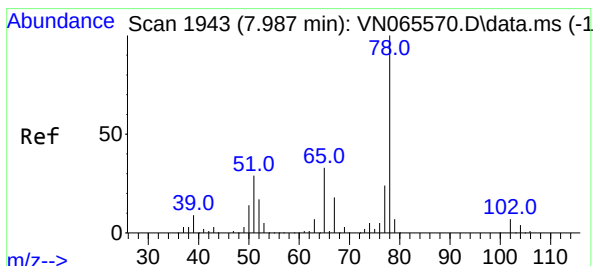
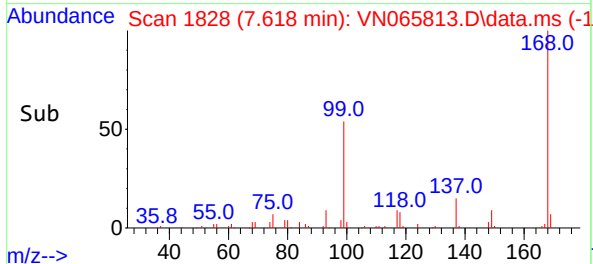
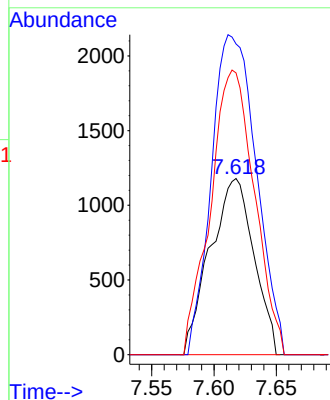
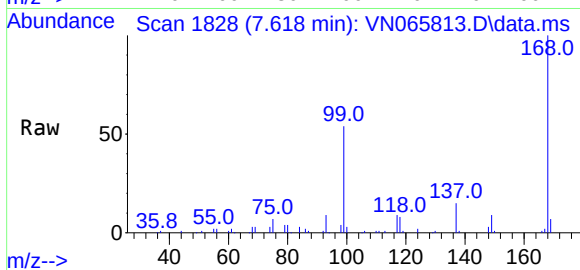
Tgt Ion: 56 Resp: 2878

Ion Ratio Lower Upper

56 100

69 176.4 26.6 39.8#

84 160.0 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 41.88 ug/l

RT: 7.981 min Scan# 1941

Delta R.T. -0.006 min

Lab File: VN065813.D

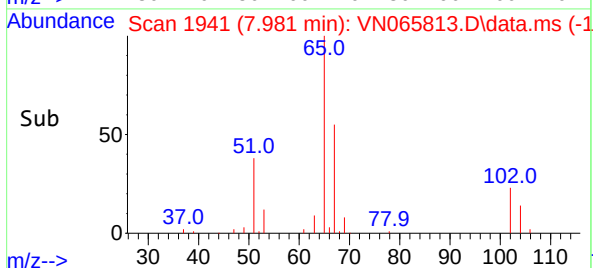
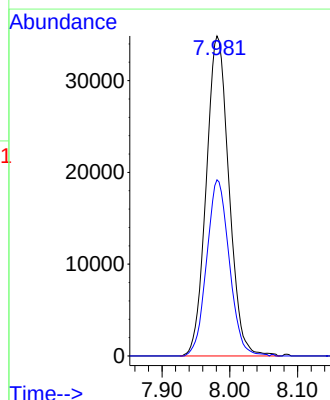
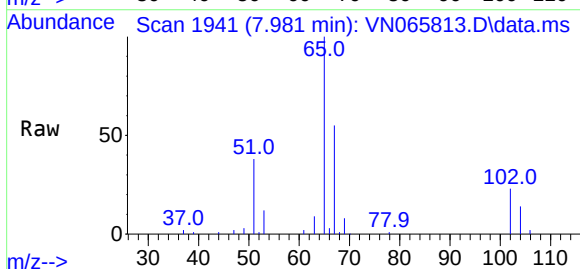
Acq: 11 Feb 2021 14:24

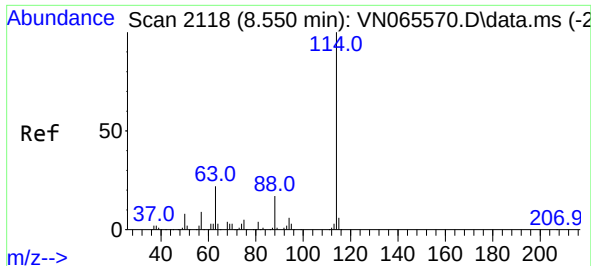
Tgt Ion: 65 Resp: 81169

Ion Ratio Lower Upper

65 100

67 54.8 0.0 107.2





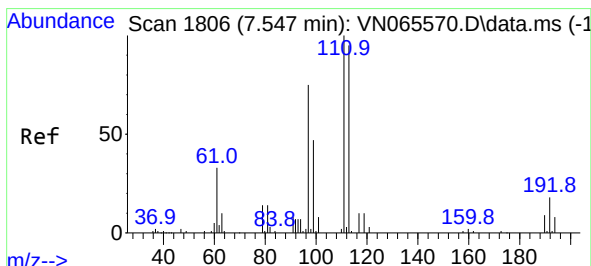
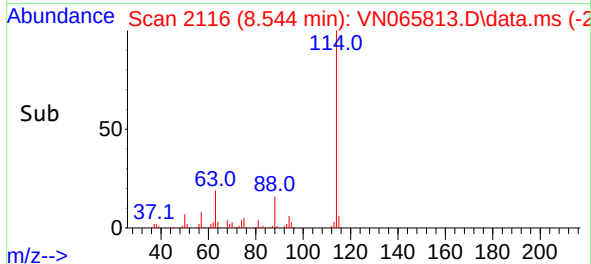
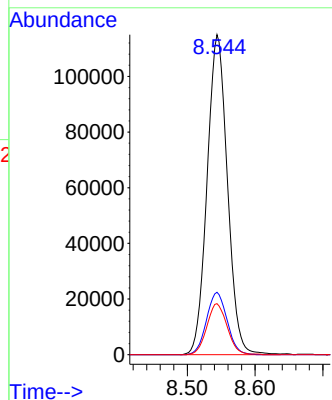
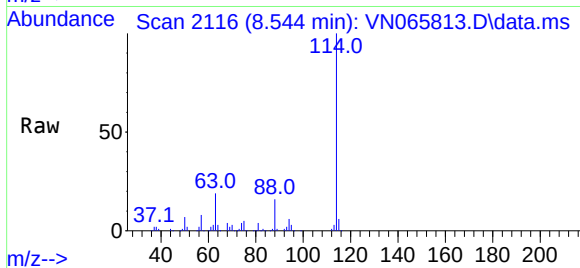
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.544 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

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VCP-SS-9-SOIL

Tgt Ion:114 Resp: 239426

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.6
88	16.0	0.0	30.6

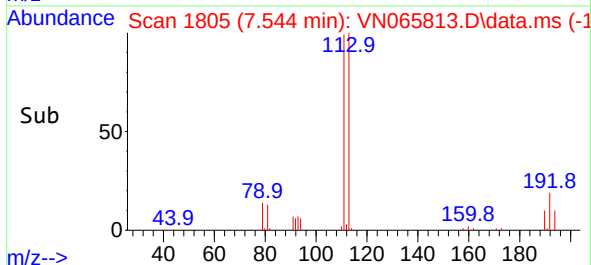
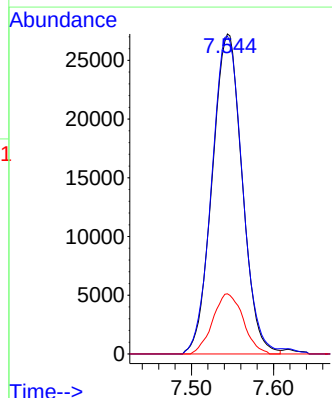
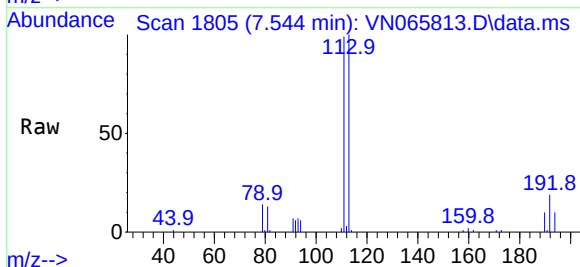


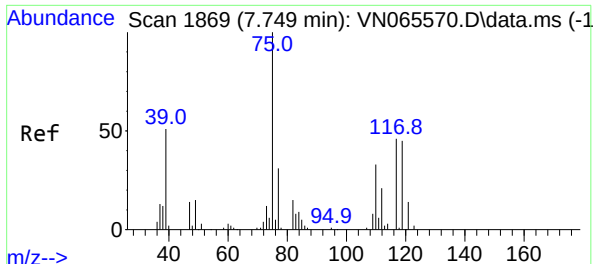
#35

Dibromofluoromethane
Concen: 48.75 ug/l
RT: 7.544 min Scan# 1805
Delta R.T. -0.003 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion:113 Resp: 69174

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.2
192	19.1	15.4	23.0

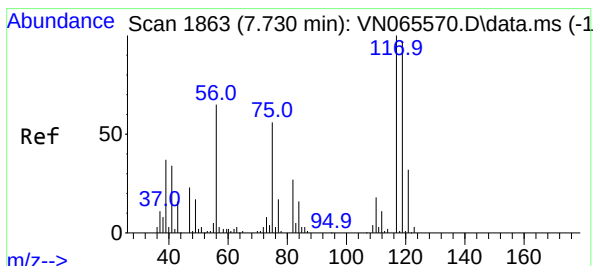
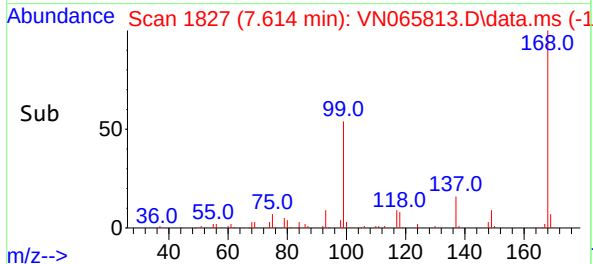
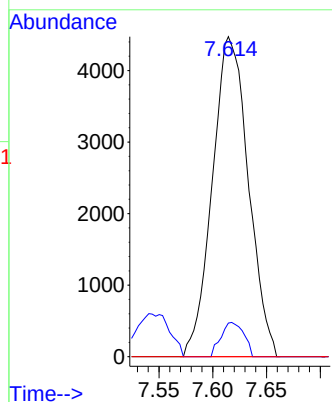
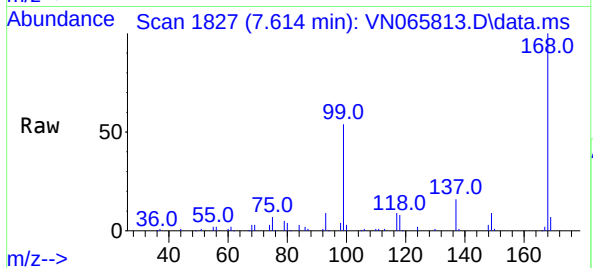




#36
1,1-Dichloropropene
Concen: 4.32 ug/l
RT: 7.614 min Scan# 1827
Delta R.T. -0.135 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

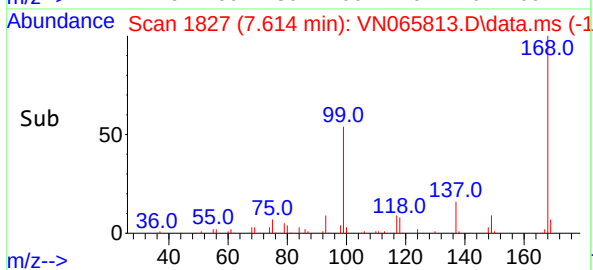
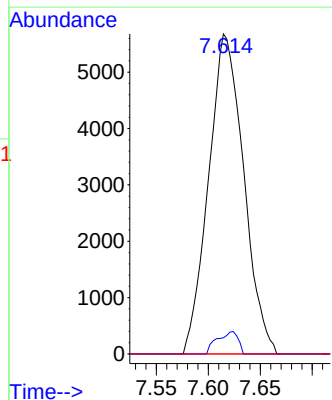
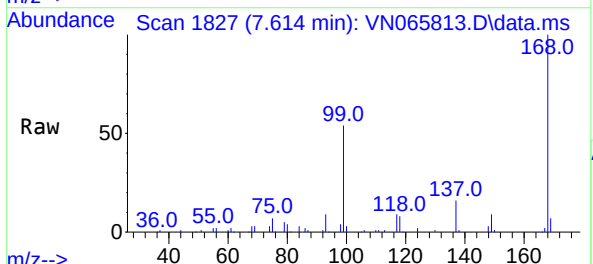
Instrument :
MSVOA_N
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VCP-SS-9-SOIL

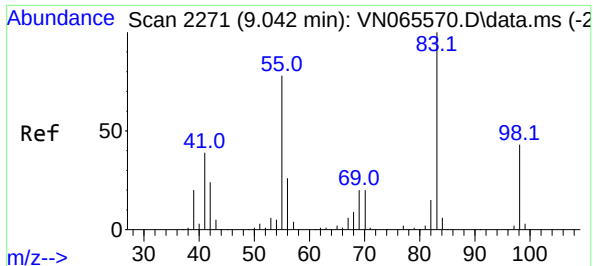
Tgt Ion:	75	Resp:	10406
Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.2	54.6#
77	0.0	24.9	37.3#



#38
Carbon Tetrachloride
Concen: 6.73 ug/l
RT: 7.614 min Scan# 1827
Delta R.T. -0.116 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion:	117	Resp:	13344
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.0	114.0#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 0.31 ug/l

RT: 9.036 min Scan# 2269

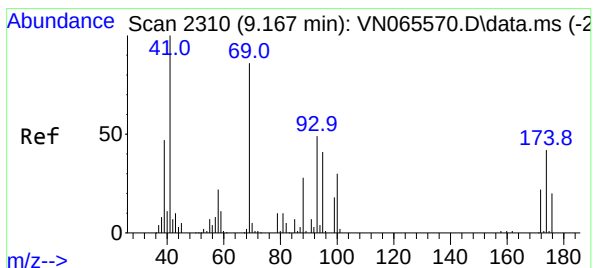
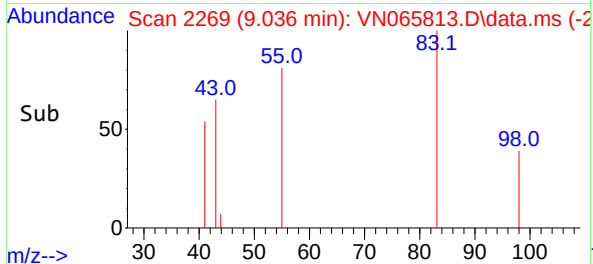
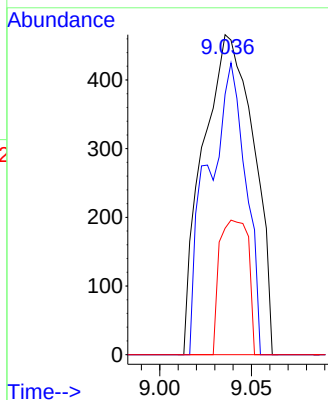
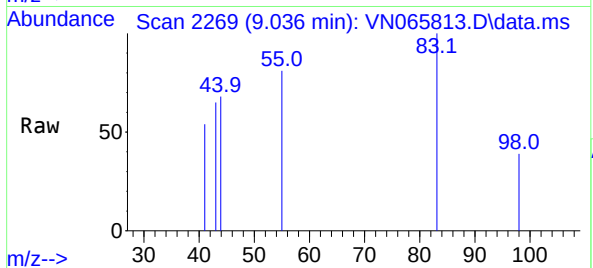
Delta R.T. -0.006 min

Lab File: VN065813.D

Acq: 11 Feb 2021 14:24

Tgt Ion: 83 Resp: 897

Ion	Ratio	Lower	Upper
83	100		
55	81.3	58.9	88.3
98	39.5	35.9	53.9



#48

Methyl methacrylate

Concen: 0.24 ug/l

RT: 9.029 min Scan# 2267

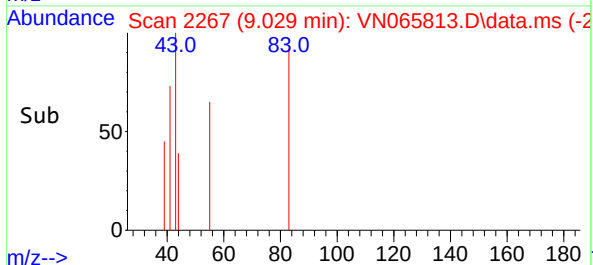
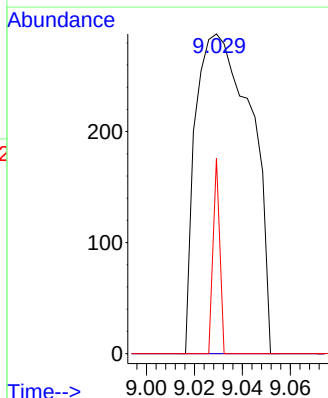
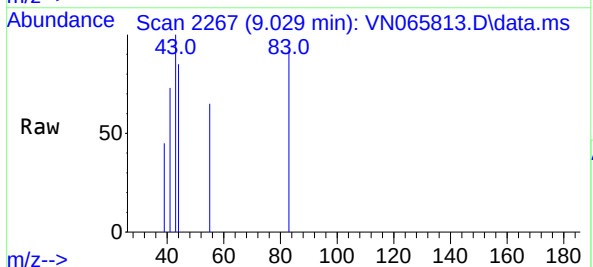
Delta R.T. -0.138 min

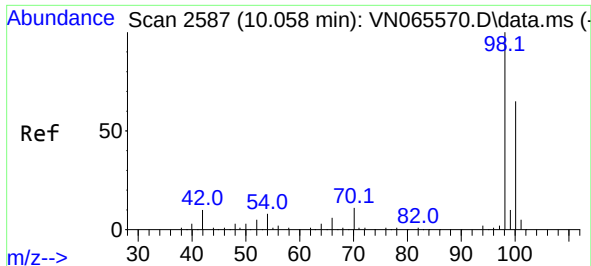
Lab File: VN065813.D

Acq: 11 Feb 2021 14:24

Tgt Ion: 41 Resp: 462

Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	7.4	46.6	69.8#

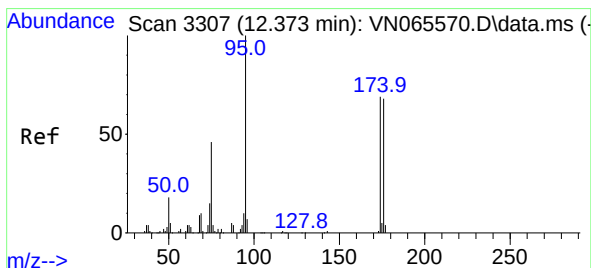
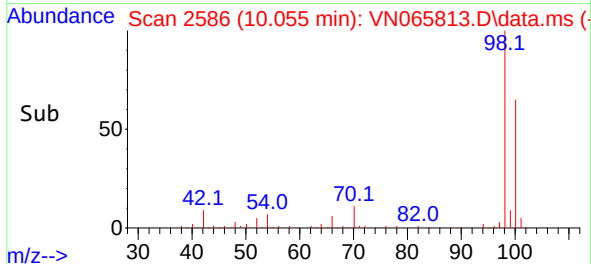
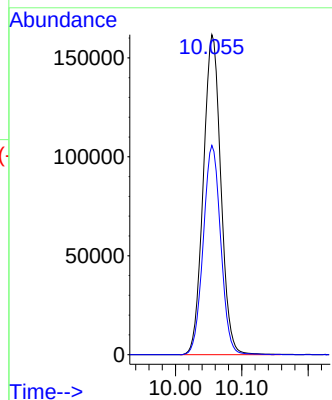
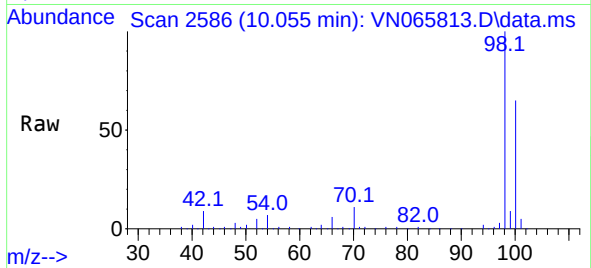




#50
Toluene-d8
Concen: 53.34 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

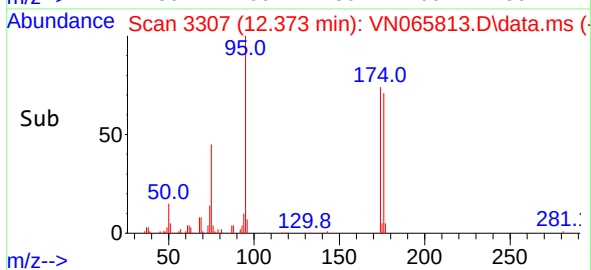
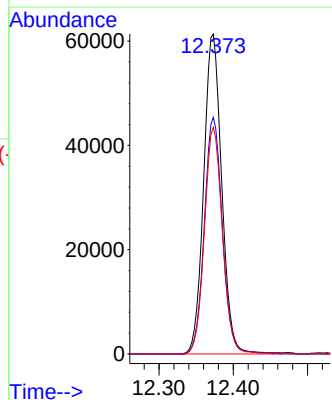
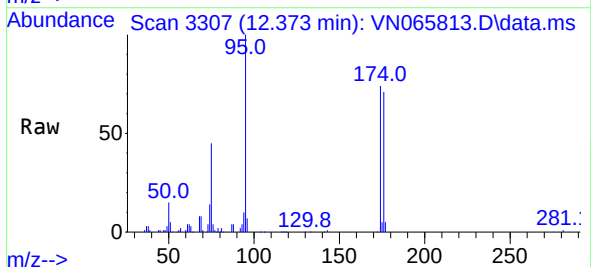
Instrument :
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VCP-SS-9-SOIL

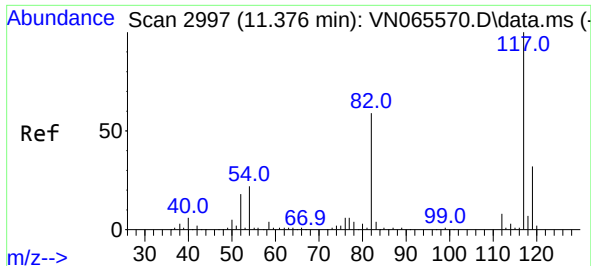
Tgt Ion: 98 Resp: 297495
Ion Ratio Lower Upper
98 100
100 65.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.49 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion: 95 Resp: 103406
Ion Ratio Lower Upper
95 100
174 74.1 0.0 169.0
176 70.5 0.0 162.4

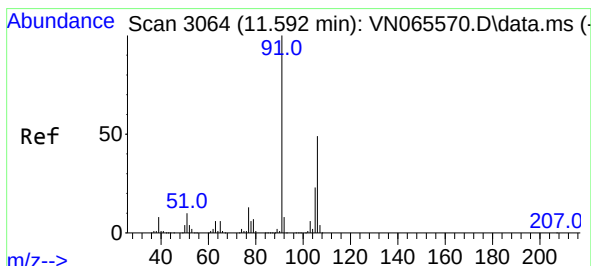
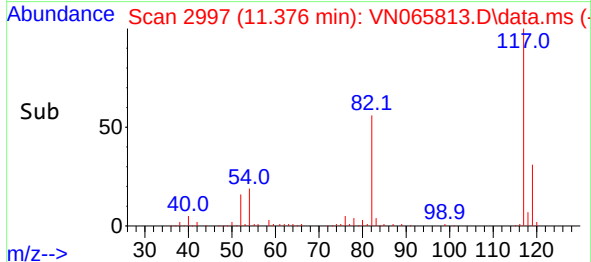
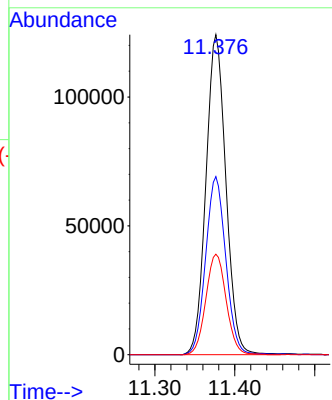
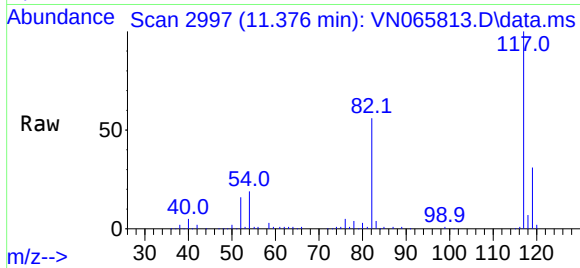




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

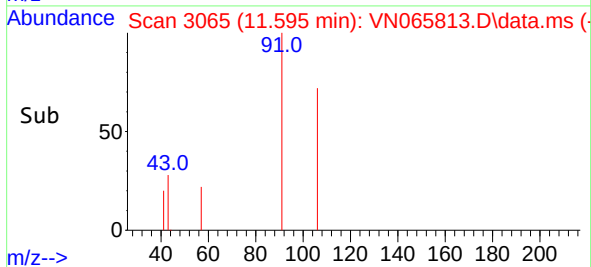
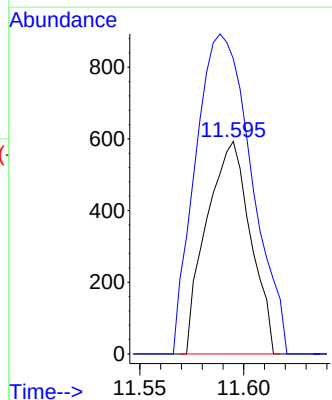
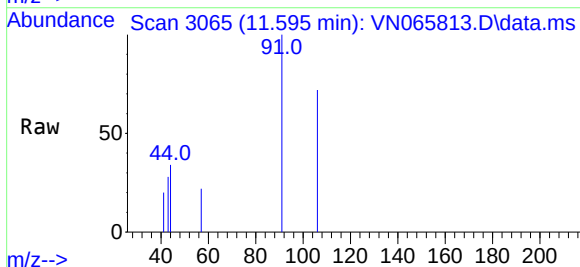
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

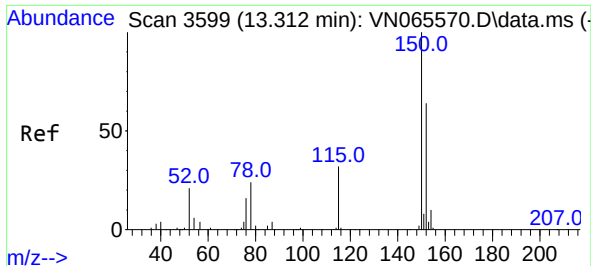
Tgt Ion:117 Resp: 215765
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 31.4 26.1 39.1



#68
m/p-Xylenes
Concen: 0.28 ug/l
RT: 11.595 min Scan# 3065
Delta R.T. 0.003 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion:106 Resp: 872
Ion Ratio Lower Upper
106 100
91 192.3 161.4 242.0

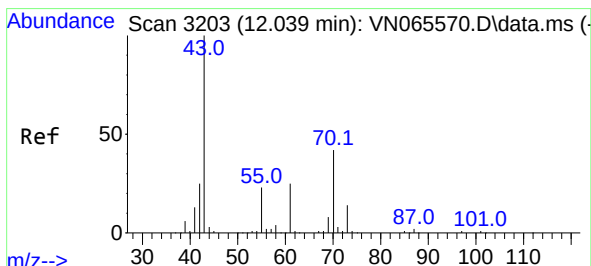
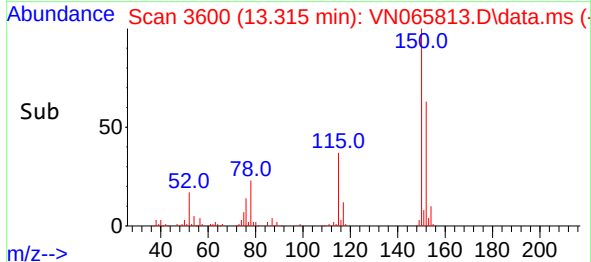
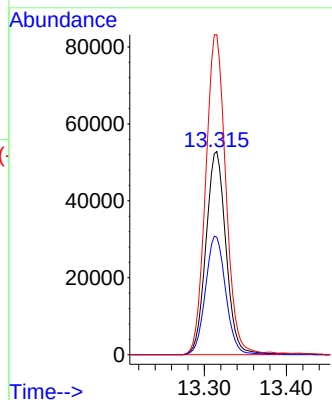
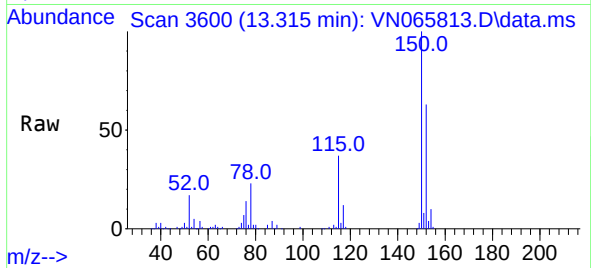




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

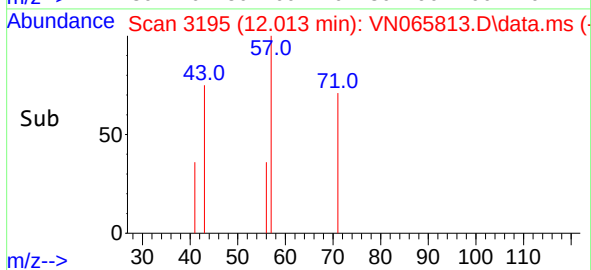
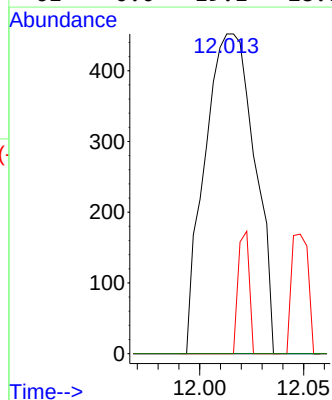
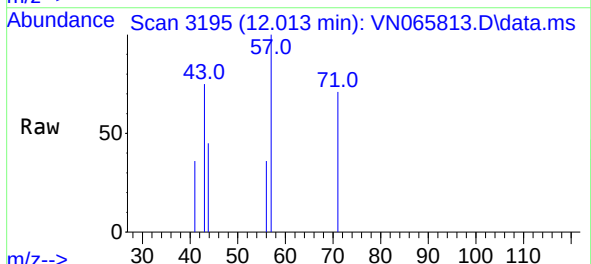
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

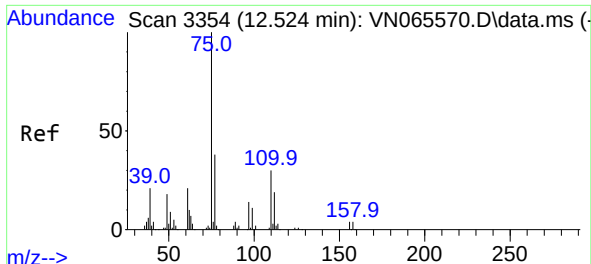
Tgt Ion:152 Resp: 89823
Ion Ratio Lower Upper
152 100
115 58.8 28.5 85.6
150 158.4 0.0 347.6



#74
N-ethyl acetate
Concen: 0.23 ug/l
RT: 12.013 min Scan# 3195
Delta R.T. -0.026 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 8.5 20.7 31.1#
61 0.0 19.1 28.7#

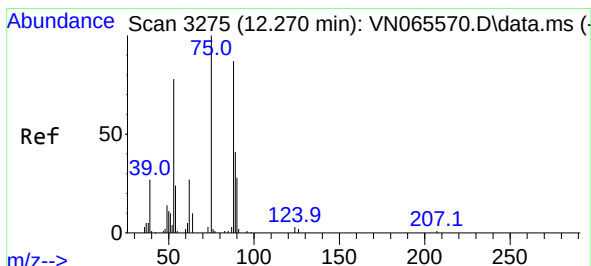
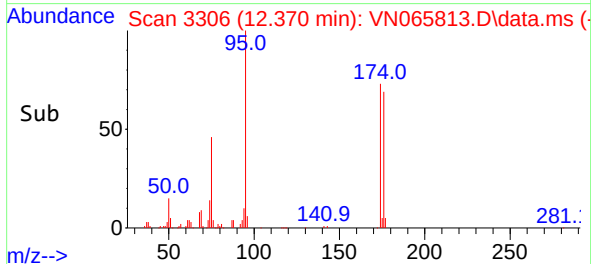
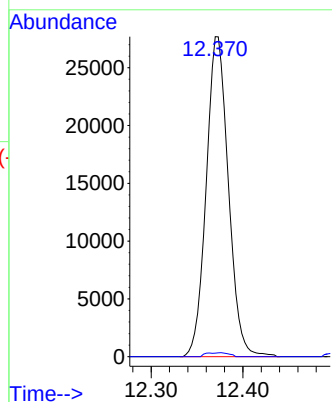
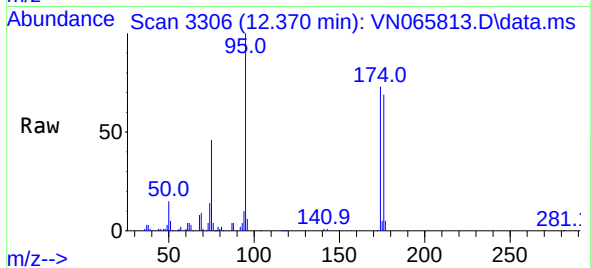




#76
1,2,3-Trichloropropane
Concen: 19.80 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

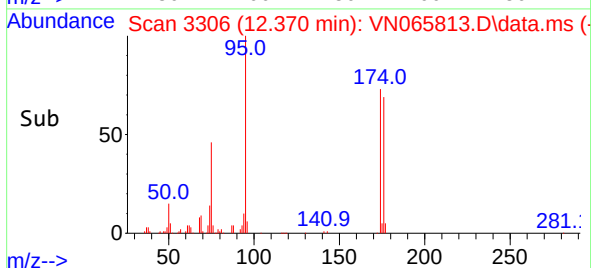
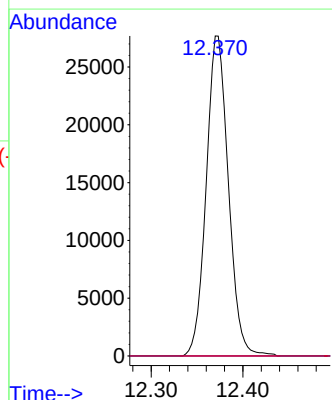
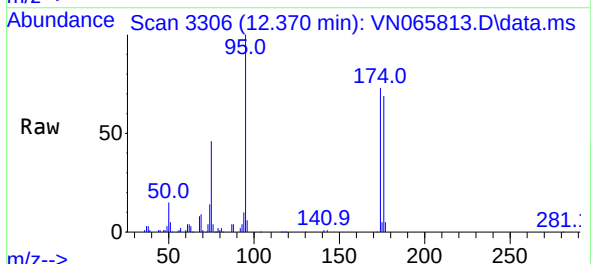
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

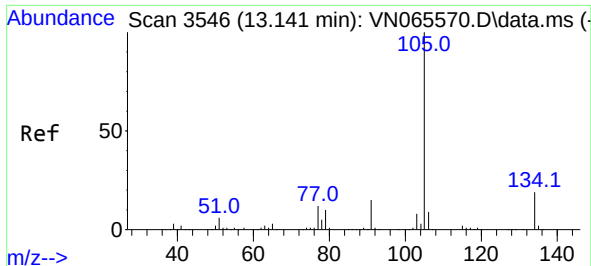
Tgt Ion: 75 Resp: 46515
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.72 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

Tgt Ion: 75 Resp: 46515
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

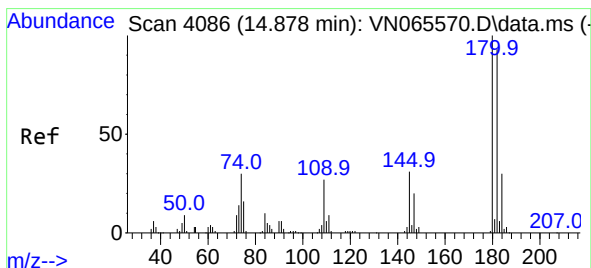
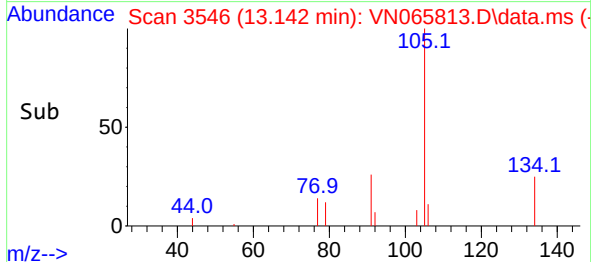
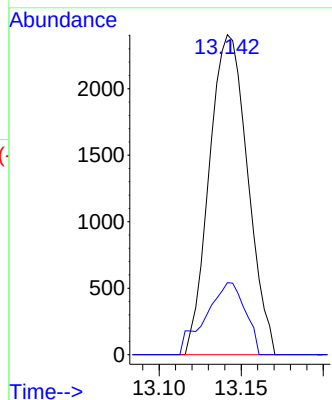
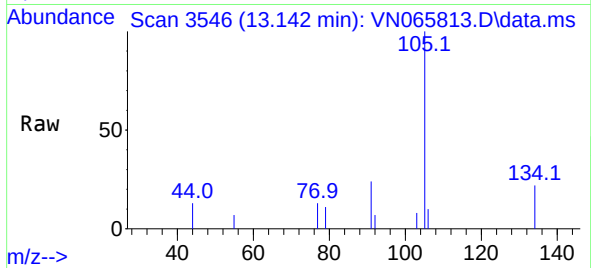




#85
 sec-Butylbenzene
 Concen: 0.52 ug/l
 RT: 13.142 min Scan# 3546
 Delta R.T. 0.001 min
 Lab File: VN065813.D
 Acq: 11 Feb 2021 14:24

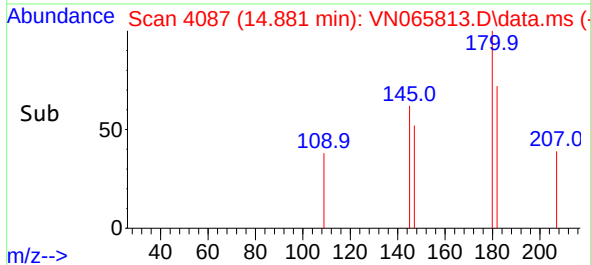
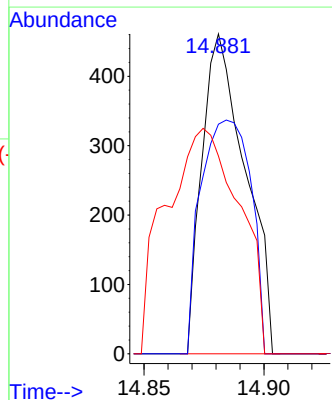
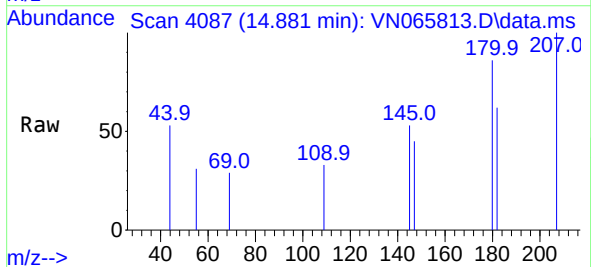
Instrument :
 MSVOA_N
 ClientSampleId :
 VCP-SS-9-SOIL

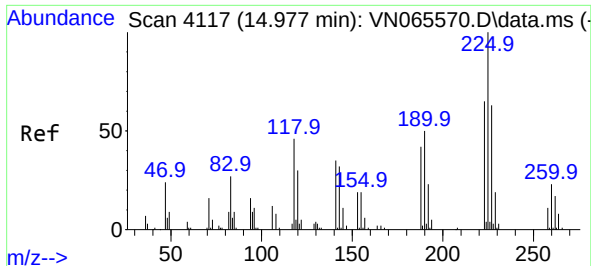
Tgt Ion:105 Resp: 3901
 Ion Ratio Lower Upper
 105 100
 134 23.2 10.0 30.0



#93
 1,2,4-Trichlorobenzene
 Concen: 3.66 ug/l
 RT: 14.881 min Scan# 4087
 Delta R.T. 0.003 min
 Lab File: VN065813.D
 Acq: 11 Feb 2021 14:24

Tgt Ion:180 Resp: 581
 Ion Ratio Lower Upper
 180 100
 182 84.0 47.3 142.0
 145 119.4 15.6 46.8#

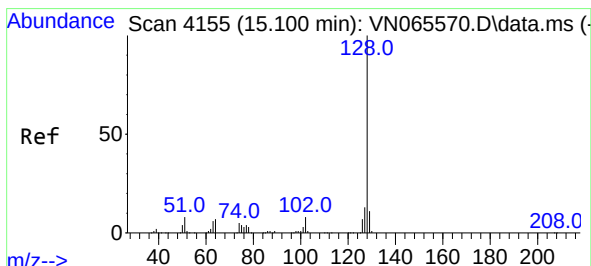
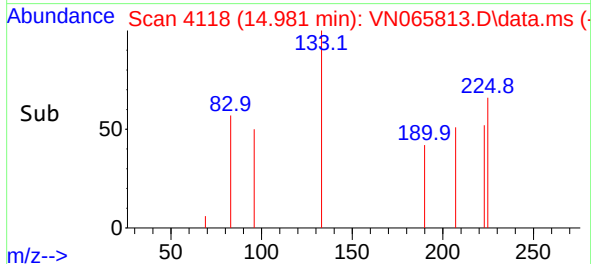
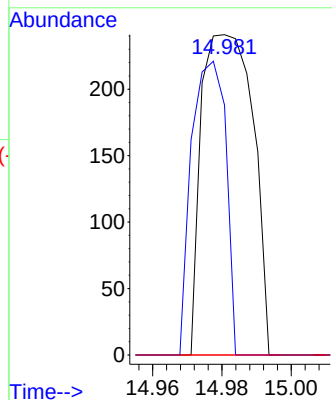
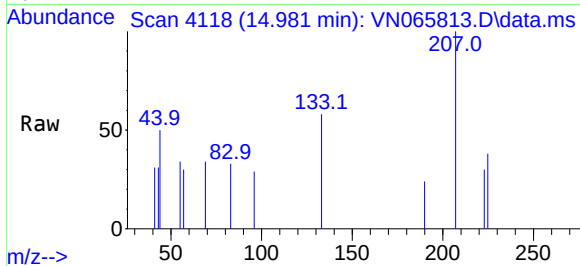




#94
Hexachlorobutadiene
Concen: 0.55 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. 0.004 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

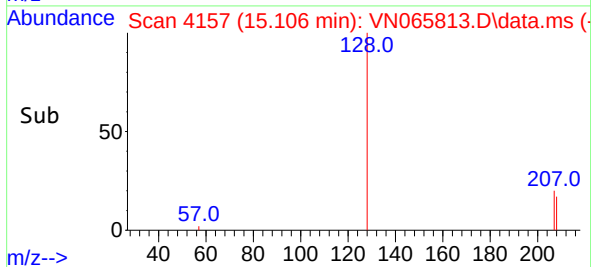
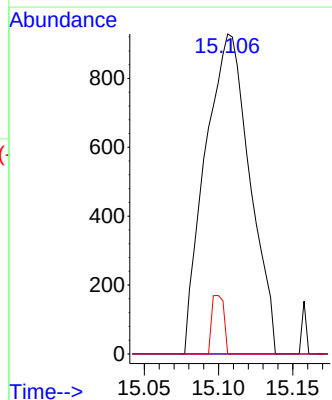
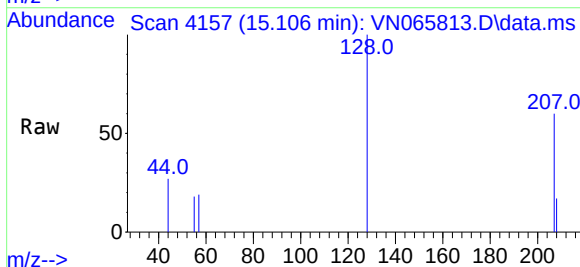
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-9-SOIL

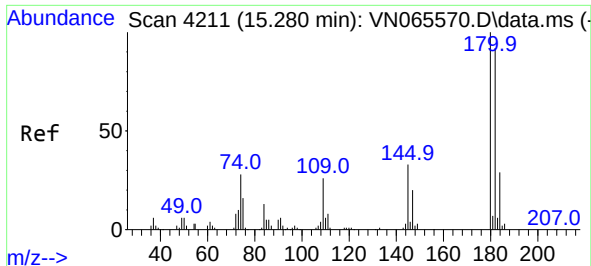
Tgt Ion:225 Resp: 249
Ion Ratio Lower Upper
225 100
223 60.6 31.9 95.9
227 0.0 31.6 95.0#



#95
Naphthalene
Concen: 3.76 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.006 min
Lab File: VN065813.D
Acq: 11 Feb 2021 14:24

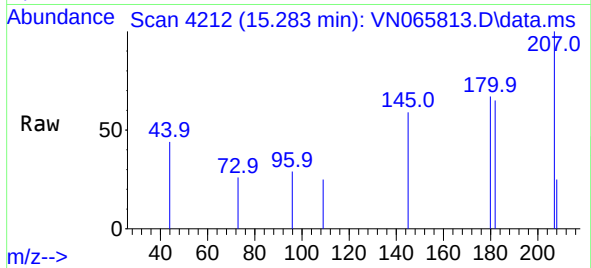
Tgt Ion:128 Resp: 1939
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 4.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.23 ug/l
 RT: 15.283 min Scan# 4212
 Delta R.T. 0.003 min
 Lab File: VN065813.D
 Acq: 11 Feb 2021 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VCP-SS-9-SOIL



Tgt Ion:	180	Resp:	729
Ion	Ratio	Lower	Upper
180	100		
182	105.1	47.4	142.3
145	65.4	16.5	49.5#

