

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021121\
 Data File : VN065815.D
 Acq On : 11 Feb 2021 15:13
 Operator : JC/MD
 Sample : M1363-05
 Misc : 2.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VCP-SS-11-SOIL

Quant Time: Feb 11 15:37:14 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)

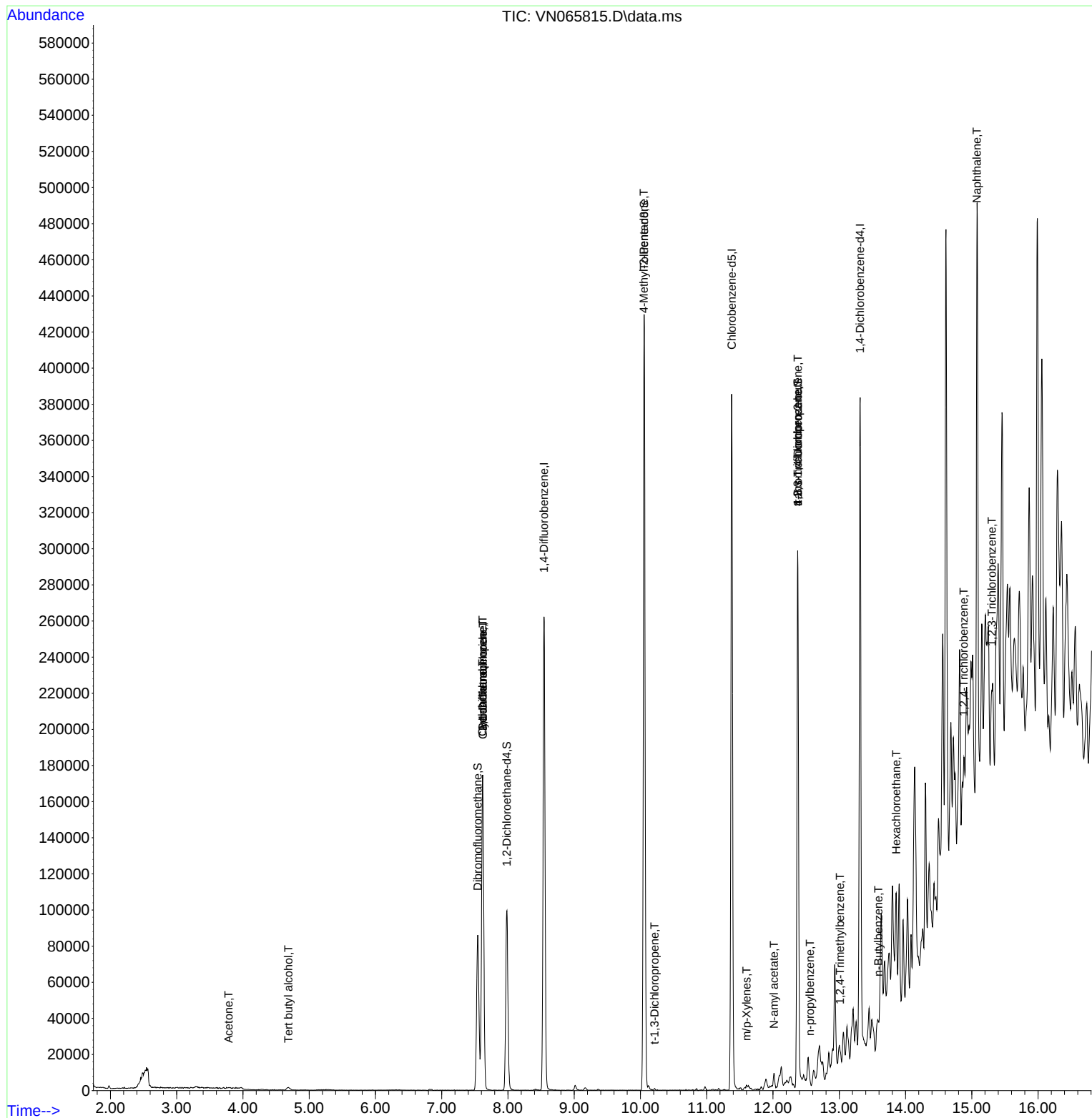
Internal Standards						
1) Pentafluorobenzene	7.618	168	151488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.544	114	250242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	242944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	108480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	84181	42.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.48%		
35) Dibromofluoromethane	7.544	113	70083	47.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.52%		
50) Toluene-d8	10.055	98	318001	54.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.10%		
62) 4-Bromofluorobenzene	12.373	95	117022	55.75	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.50%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.685	59	1504	4.03	ug/l #	73
16) Acetone	3.782	43	219	0.28	ug/l #	41
31) Cyclohexane	7.614	56	2342	0.62	ug/l #	1
36) 1,1-Dichloropropene	7.618	75	10760	4.27	ug/l #	47
38) Carbon Tetrachloride	7.621	117	14029	6.77	ug/l #	16
51) 4-Methyl-2-Pentanone	10.052	43	1218	0.52	ug/l #	1
53) t-1,3-Dichloropropene	10.212	75	856	0.29	ug/l #	42
68) m/p-Xylenes	11.601	106	879	0.25	ug/l	96
74) N-amyl acetate	12.016	43	2397	0.60	ug/l #	56
76) 1,2,3-Trichloropropane	12.373	75	52079	18.36	ug/l #	100
78) n-propylbenzene	12.560	91	2888	0.26	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.373	75	52079	47.02	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	2390	0.30	ug/l	94
89) n-Butylbenzene	13.588	91	2036	0.28	ug/l #	77
90) Hexachloroethane	13.862	117	1293	0.92	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.878	180	118	3.42	ug/l #	1
95) Naphthalene	15.077	128	1461	3.65	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.302	180	1179	3.36	ug/l #	27

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

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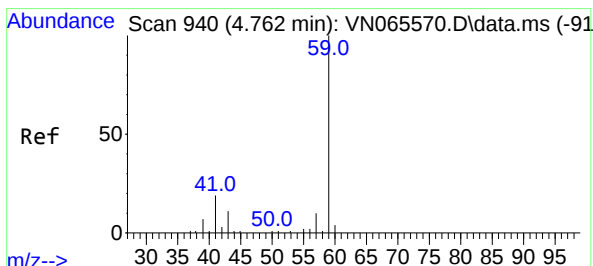
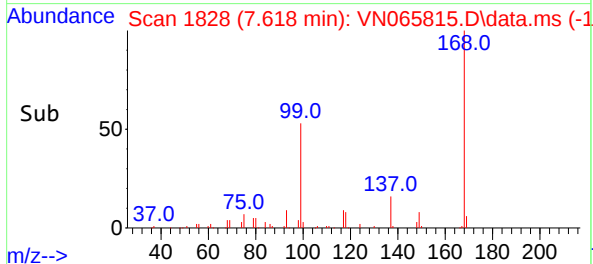
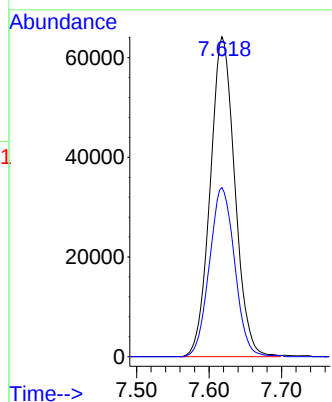
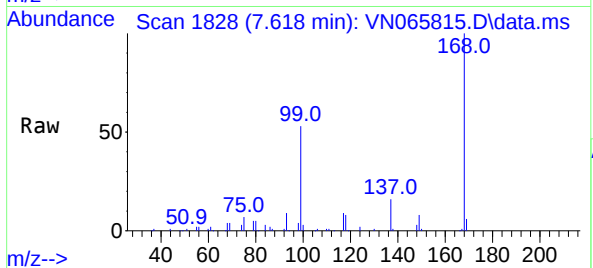




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.006 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

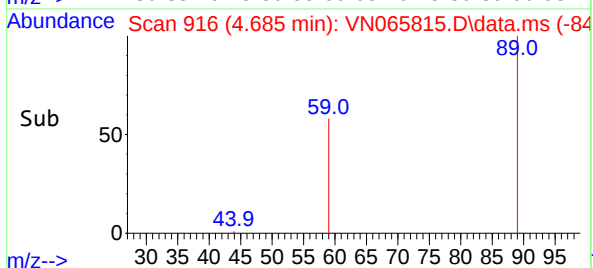
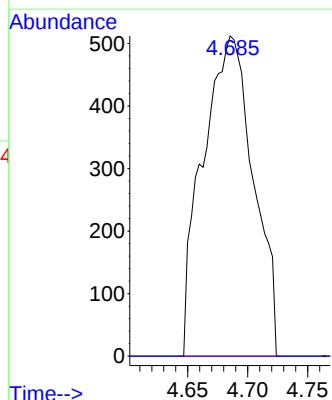
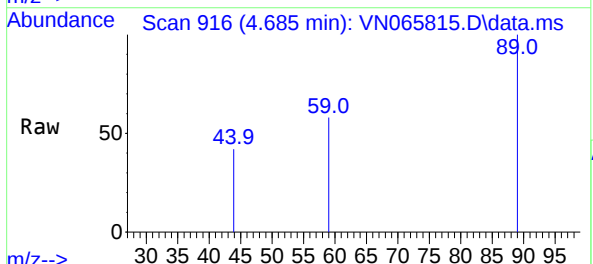
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

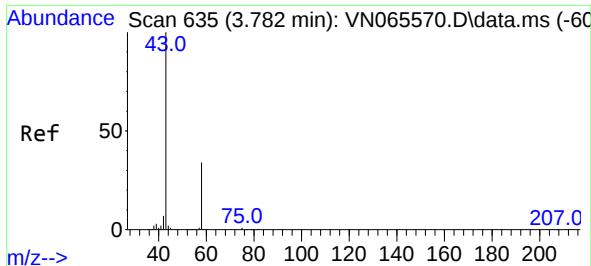
Tgt Ion:168 Resp: 151488
Ion Ratio Lower Upper
168 100
99 52.8 42.6 63.8



#11
Tert butyl alcohol
Concen: 4.03 ug/l
RT: 4.685 min Scan# 916
Delta R.T. -0.077 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

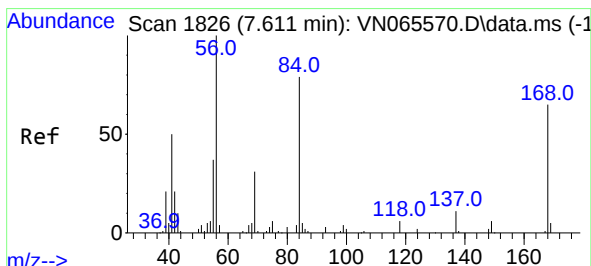
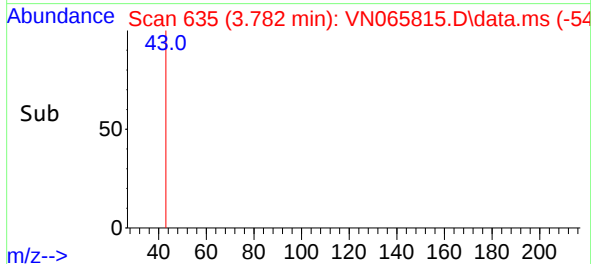
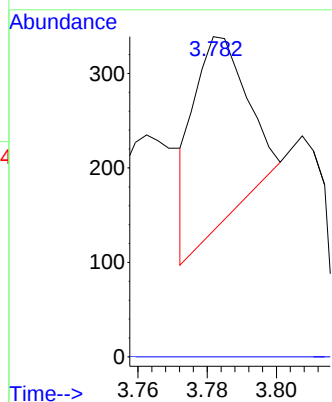
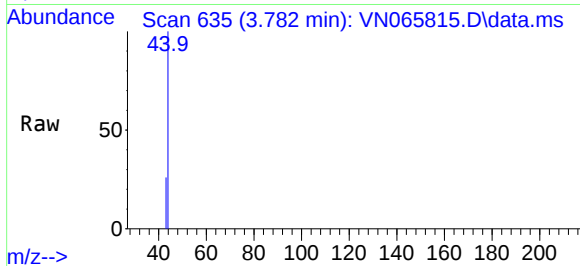




#16
Acetone
Concen: 0.28 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

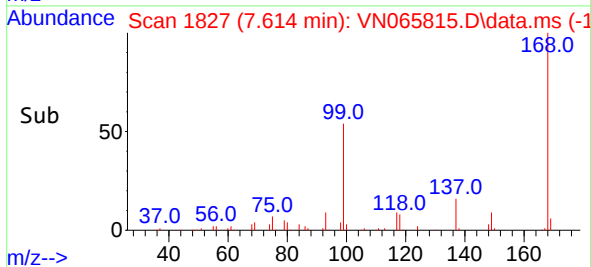
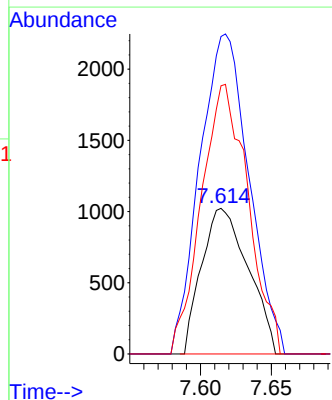
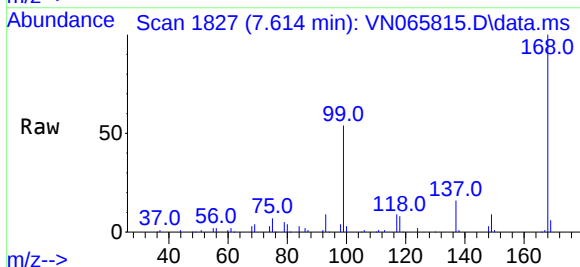
Instrument :
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ClientSampleId :
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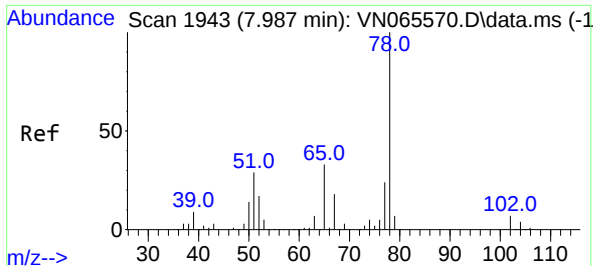
Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#31
Cyclohexane
Concen: 0.62 ug/l
RT: 7.614 min Scan# 1827
Delta R.T. 0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 56 Resp: 2342
Ion Ratio Lower Upper
56 100
69 201.6 26.6 39.8#
84 184.1 70.4 105.6#

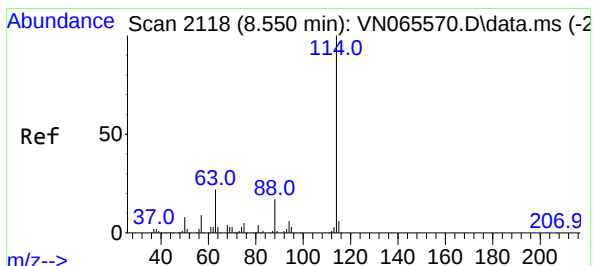
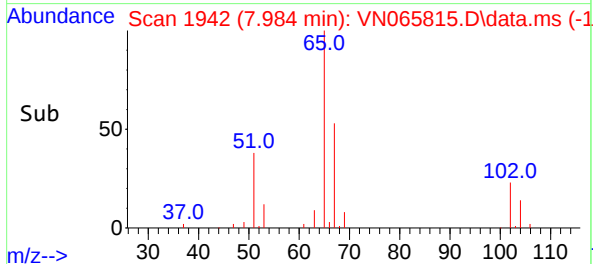
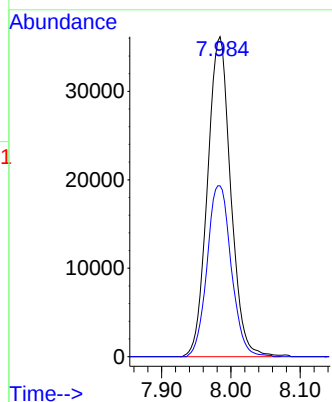
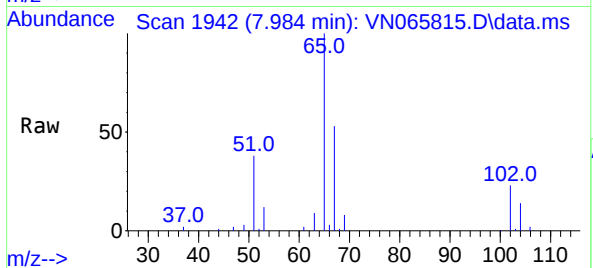




#33
1,2-Dichloroethane-d4
Concen: 42.24 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

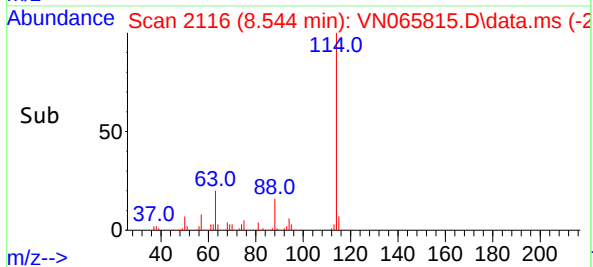
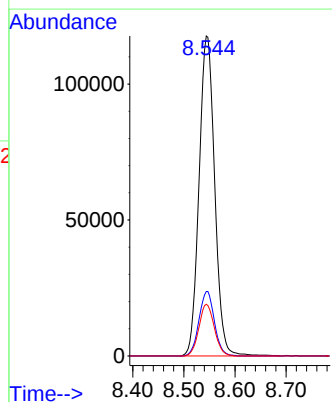
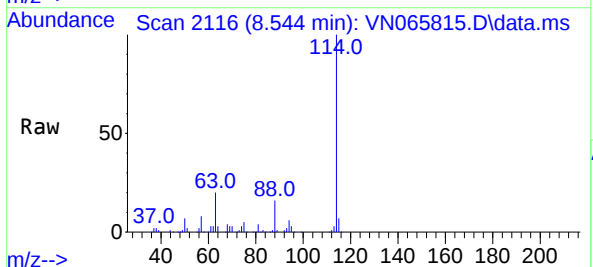
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

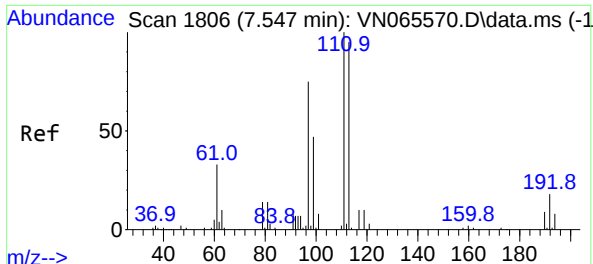
Tgt Ion: 65 Resp: 84181
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.544 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 114 Resp: 250242
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 16.2 0.0 30.6



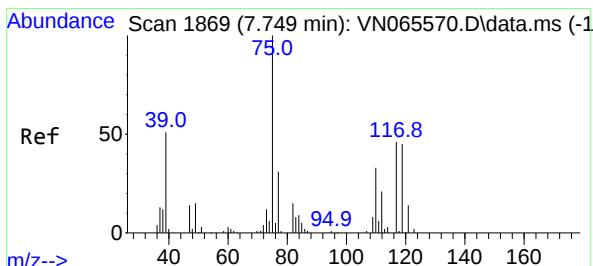
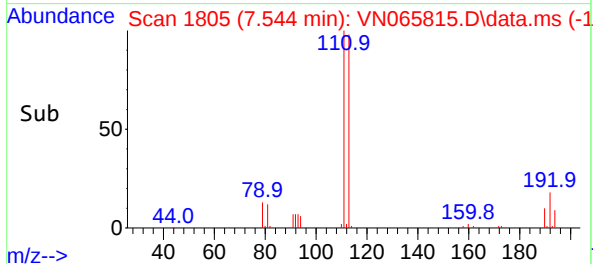
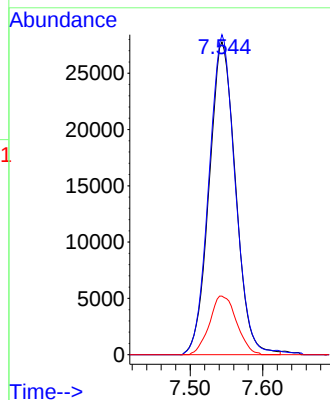
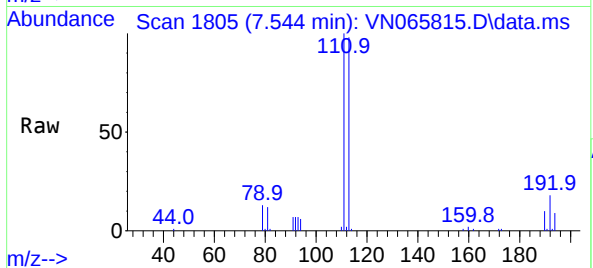


#35
Dibromofluoromethane
Concen: 47.26 ug/l
RT: 7.544 min Scan# 1805
Delta R.T. -0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

Tgt Ion:113 Resp: 70083

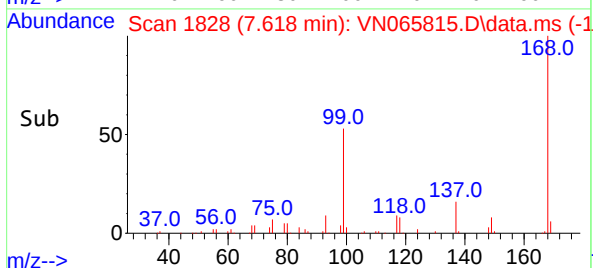
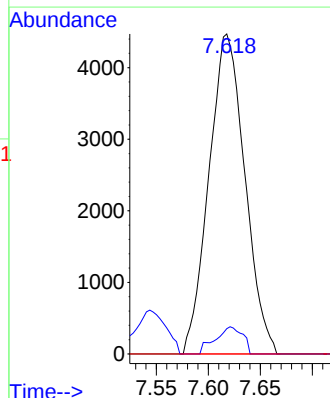
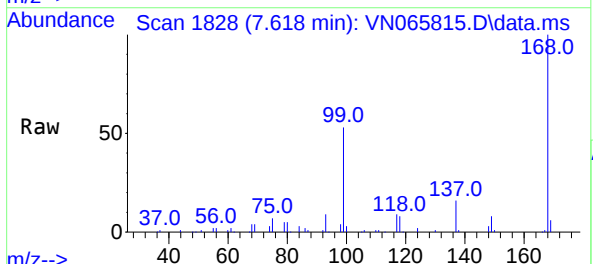
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	19.3	15.4	23.0

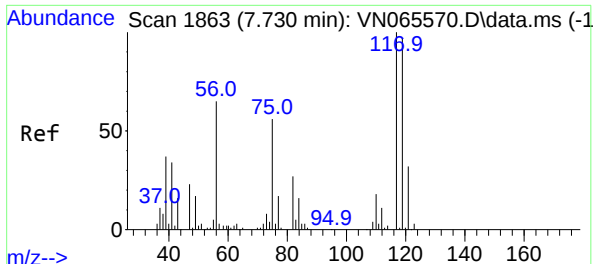


#36
1,1-Dichloropropene
Concen: 4.27 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.131 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 75 Resp: 10760

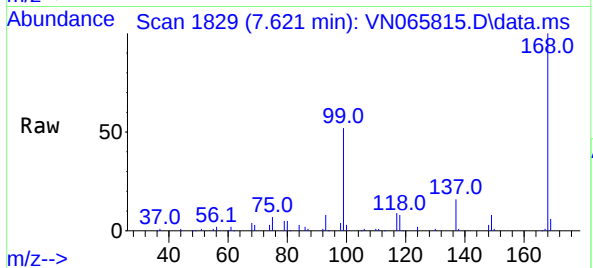
Ion	Ratio	Lower	Upper
75	100		
110	6.5	18.2	54.6#
77	0.0	24.9	37.3#



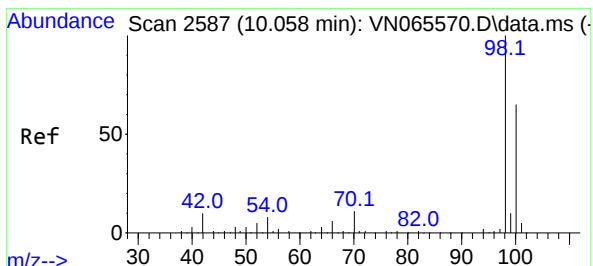
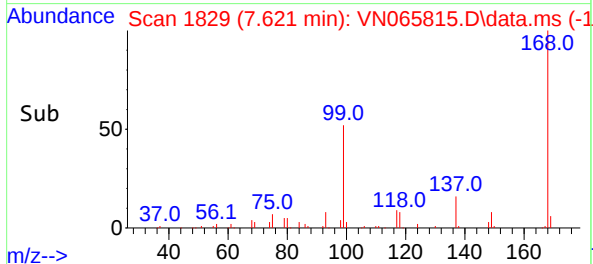
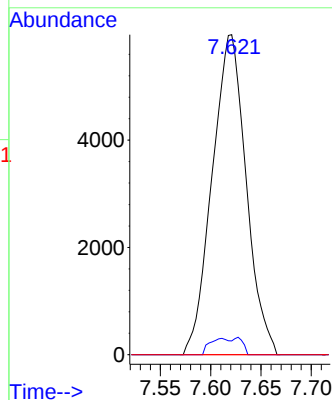


#38
Carbon Tetrachloride
Concen: 6.77 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Instrument :
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ClientSampleId :
VCP-SS-11-SOIL

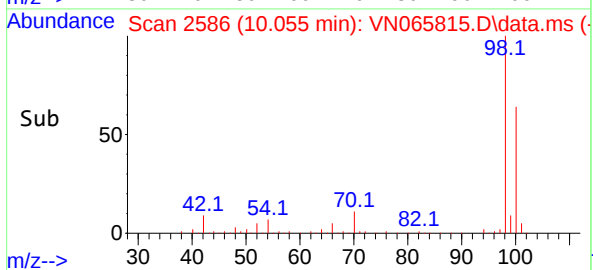
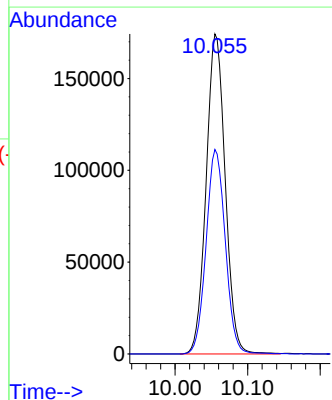
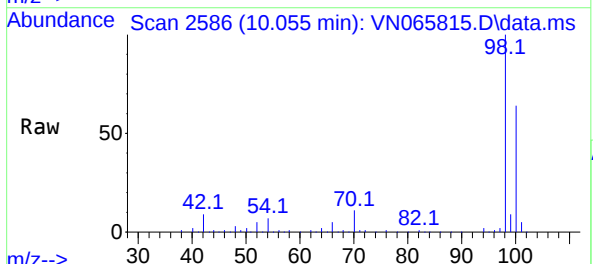


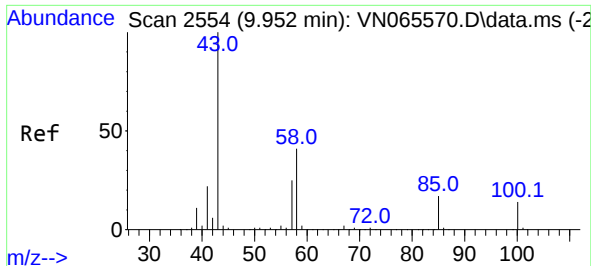
Tgt Ion:117 Resp: 14029
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 54.55 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 98 Resp: 318001
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7

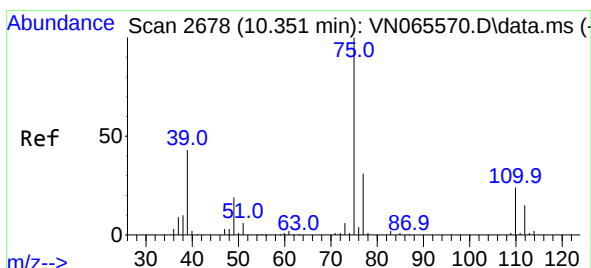
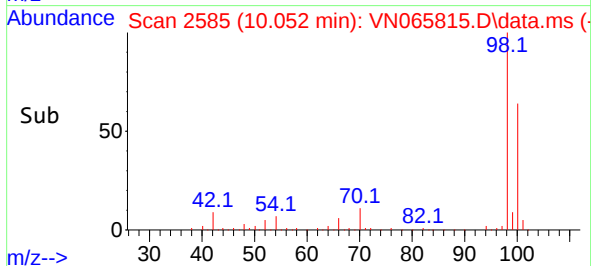
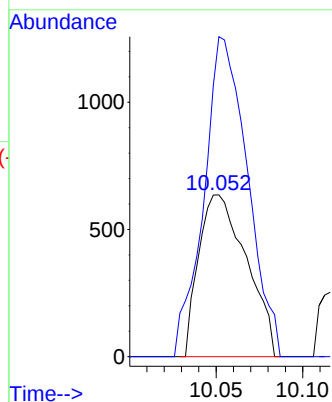
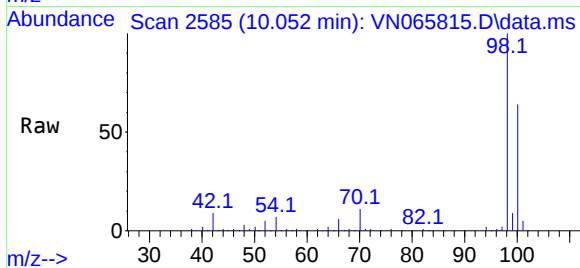




#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 10.052 min Scan# 2585
Delta R.T. 0.100 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

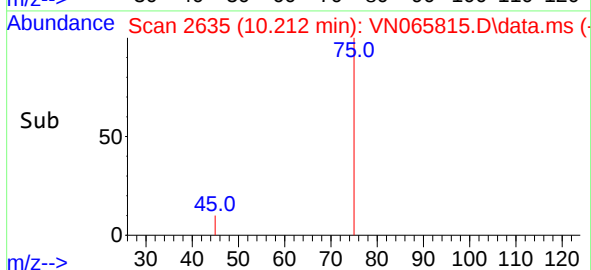
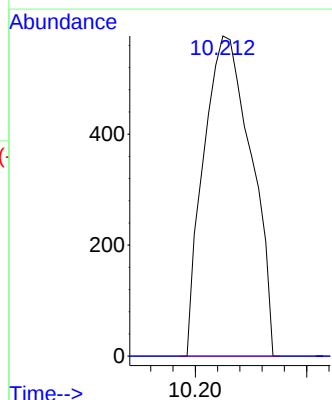
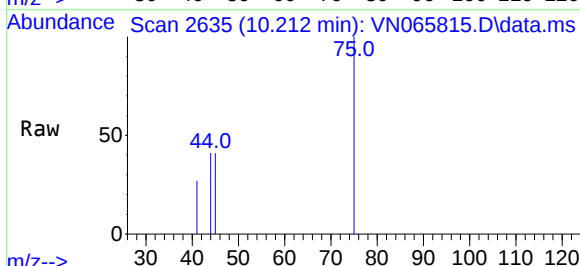
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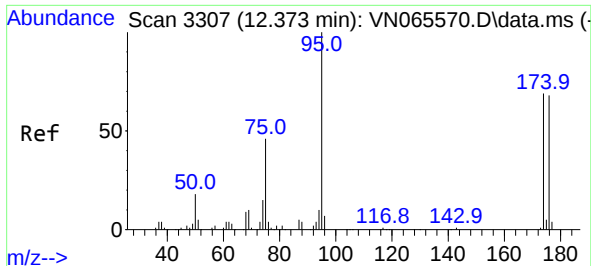
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 180.9 32.5 48.7#



#53
t-1,3-Dichloropropene
Concen: 0.29 ug/l
RT: 10.212 min Scan# 2635
Delta R.T. -0.139 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 75 Resp: 856
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#

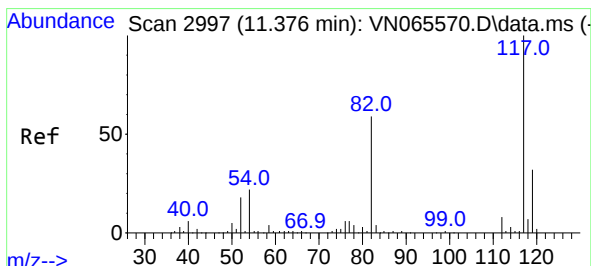
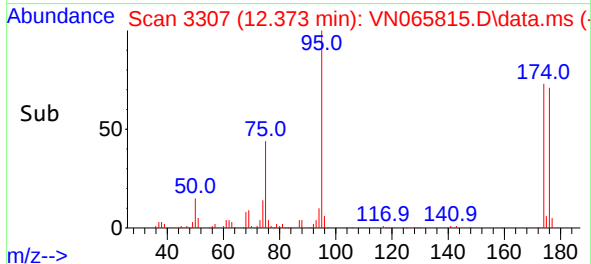
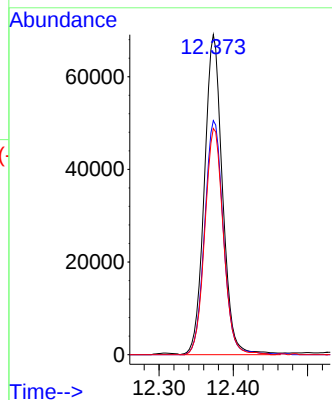
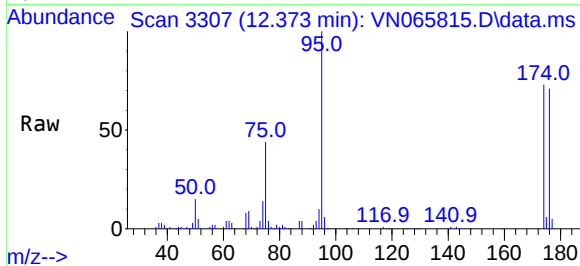




#62
4-Bromofluorobenzene
Concen: 55.75 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

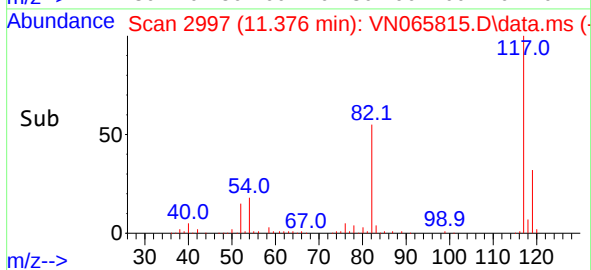
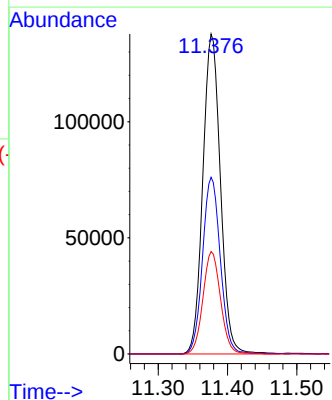
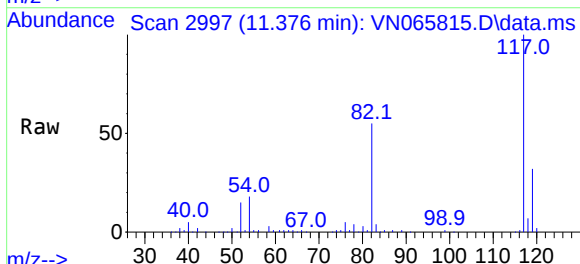
Instrument :
MSVOA_N
ClientSampleId :
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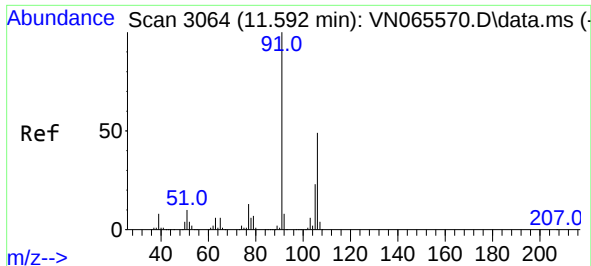
Tgt Ion: 95 Resp: 117022
Ion Ratio Lower Upper
95 100
174 75.3 0.0 169.0
176 72.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 117 Resp: 242944
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 32.0 26.1 39.1

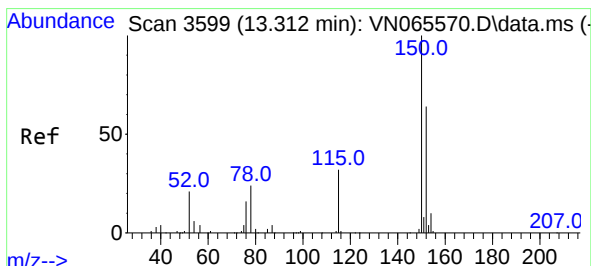
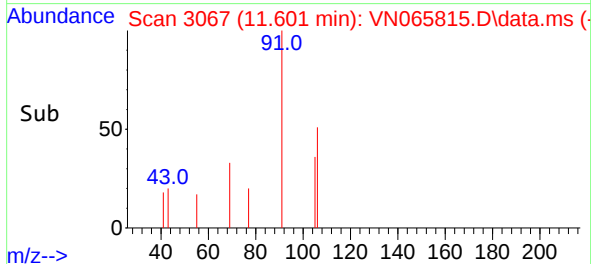
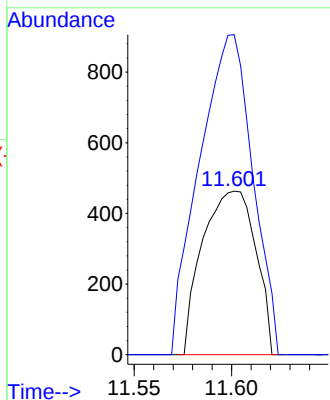
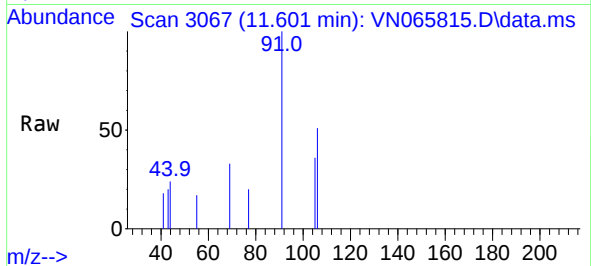




#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 11.601 min Scan# 3067
Delta R.T. 0.009 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

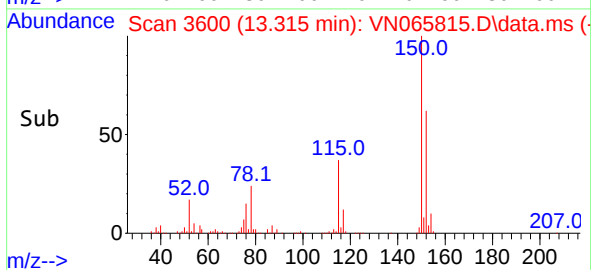
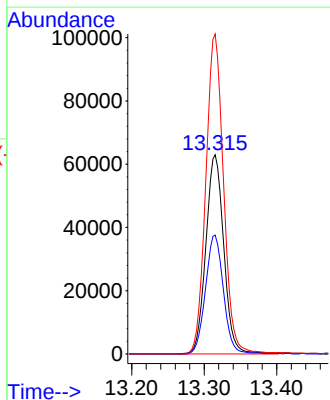
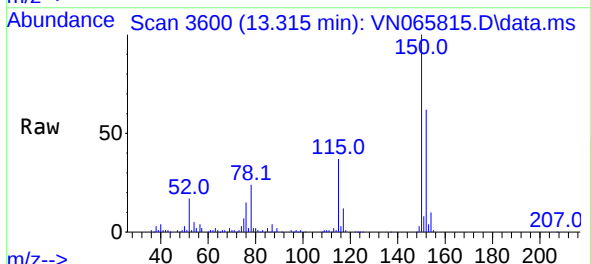
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

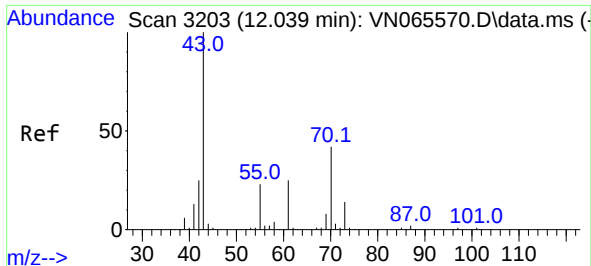
Tgt Ion:106 Resp: 879
Ion Ratio Lower Upper
106 100
91 196.4 161.4 242.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion:152 Resp: 108480
Ion Ratio Lower Upper
152 100
115 59.2 28.5 85.6
150 158.0 0.0 347.6



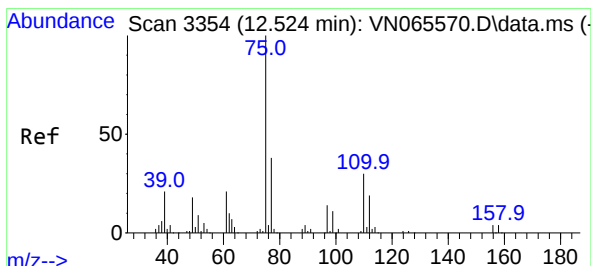
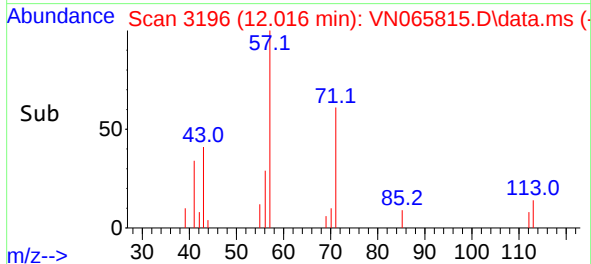
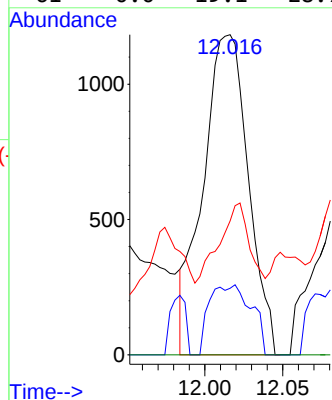
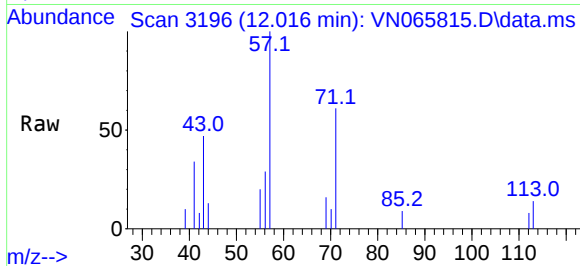


#74
N-amy1 acetate
Concen: 0.60 ug/l
RT: 12.016 min Scan# 3196
Delta R.T. -0.023 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

Tgt Ion: 43 Resp: 2397

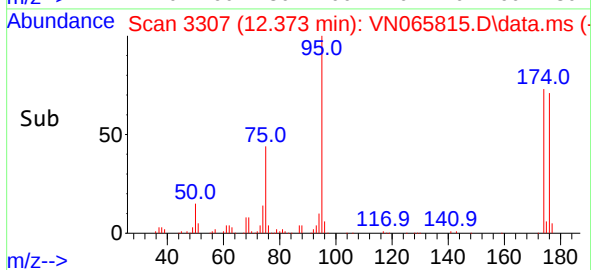
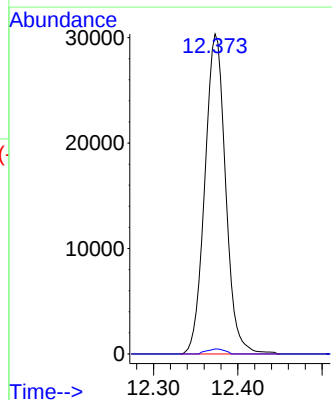
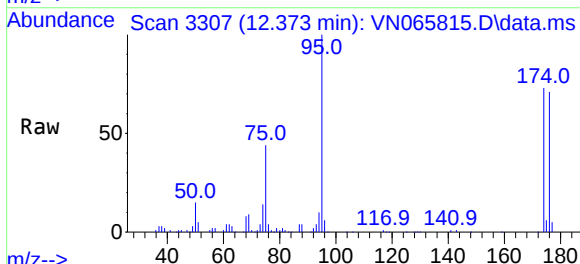
Ion	Ratio	Lower	Upper
43	100		
70	8.8	34.4	51.6#
55	13.8	20.7	31.1#
61	0.0	19.1	28.7#

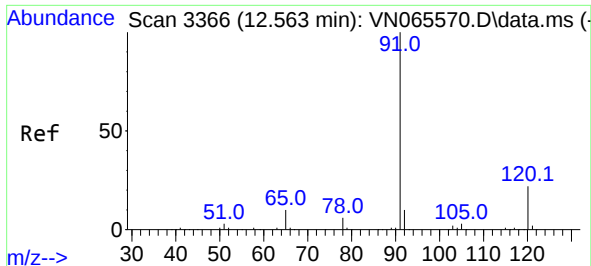


#76
1,2,3-Trichloropropane
Concen: 18.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 75 Resp: 52079

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

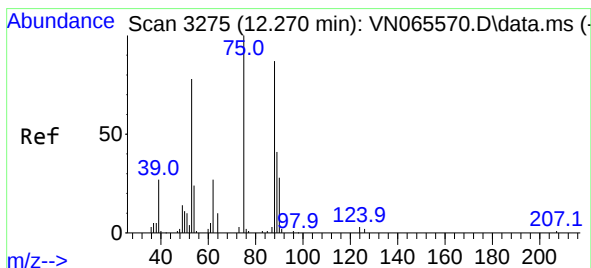
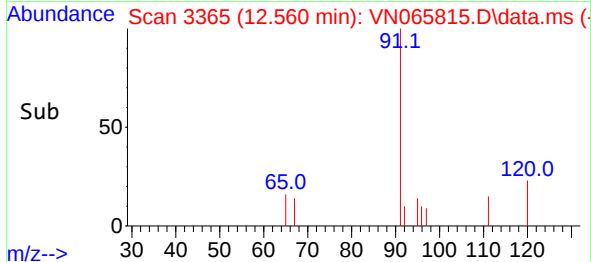
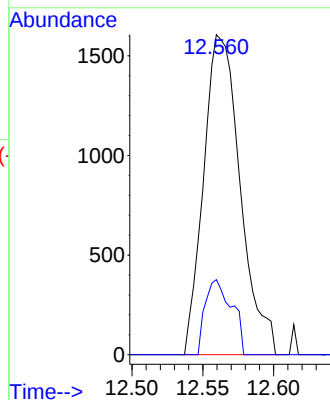
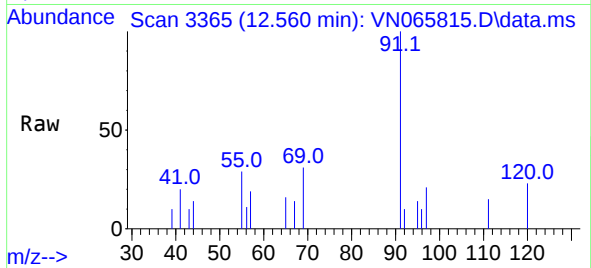




#78
n-propylbenzene
Concen: 0.26 ug/l
RT: 12.560 min Scan# 3365
Delta R.T. -0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

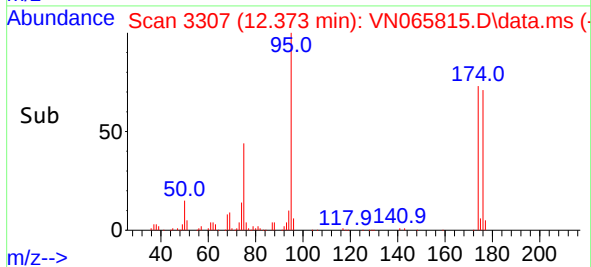
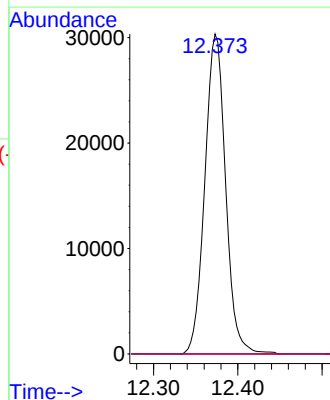
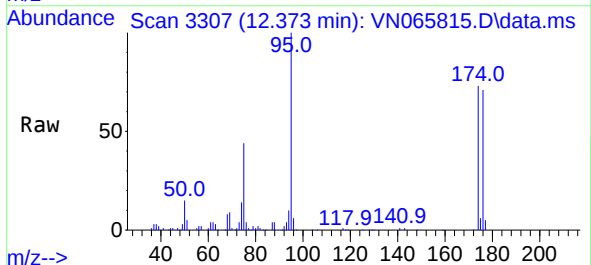
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

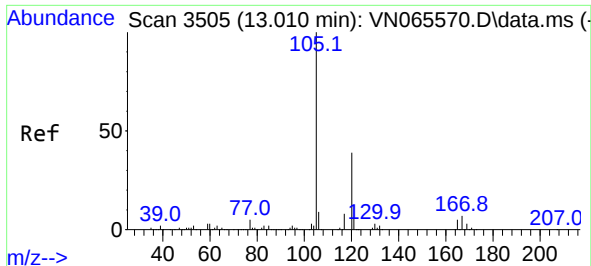
Tgt Ion: 91 Resp: 2888
Ion Ratio Lower Upper
91 100
120 16.9 11.8 35.3



#81
trans-1,4-Dichloro-2-butene
Concen: 47.02 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 75 Resp: 52079
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

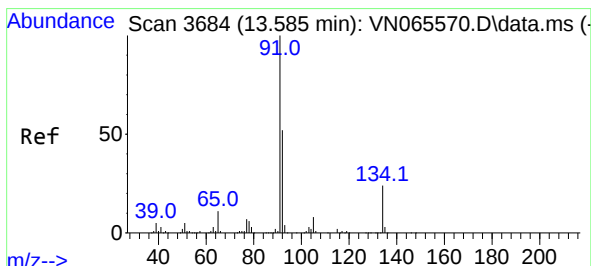
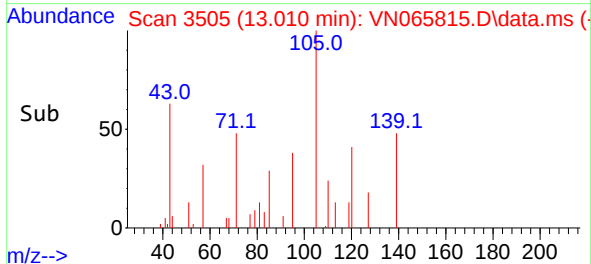
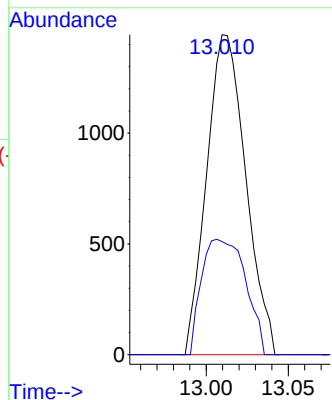
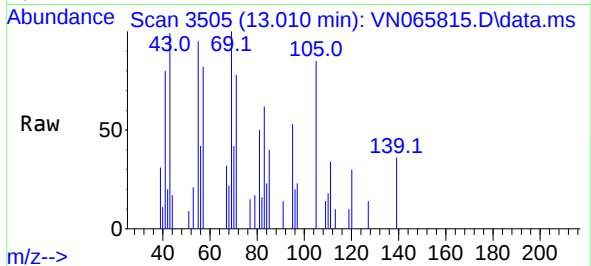




#84
1,2,4-Trimethylbenzene
Concen: 0.30 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

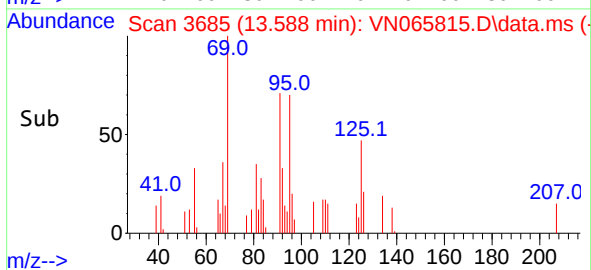
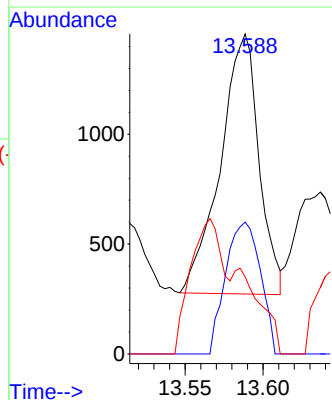
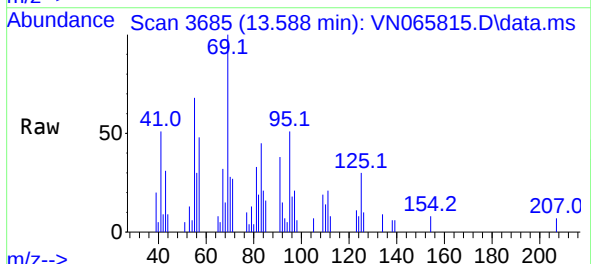
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

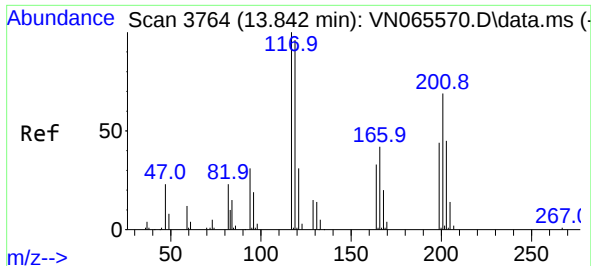
Tgt Ion:105 Resp: 2390
Ion Ratio Lower Upper
105 100
120 40.6 22.4 67.0



#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.588 min Scan# 3685
Delta R.T. 0.003 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion: 91 Resp: 2036
Ion Ratio Lower Upper
91 100
92 45.5 26.1 78.3
134 0.0 13.0 38.9#

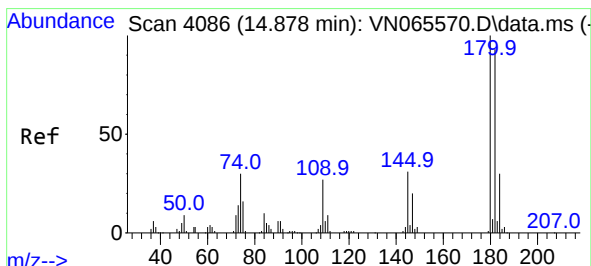
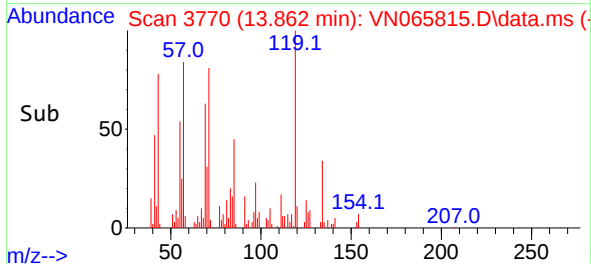
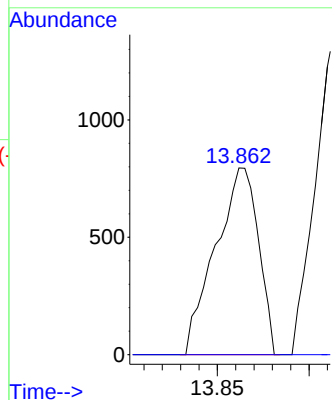
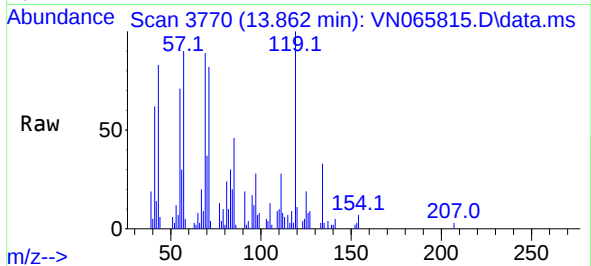




#90
Hexachloroethane
Concen: 0.92 ug/l
RT: 13.862 min Scan# 3770
Delta R.T. 0.020 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

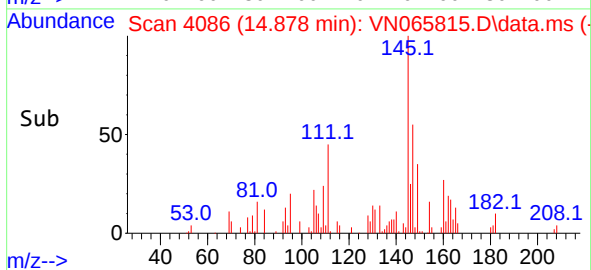
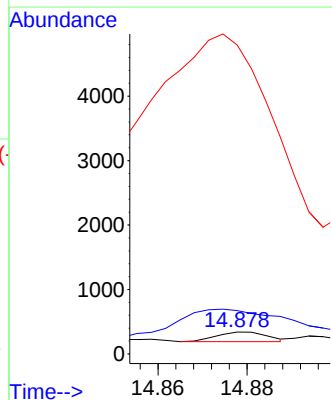
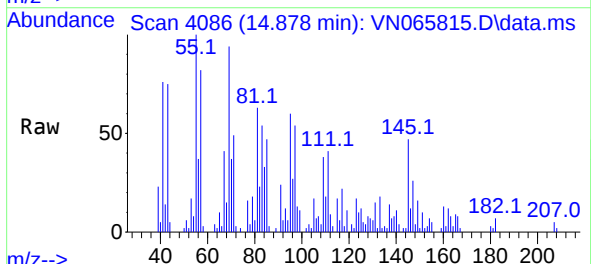
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

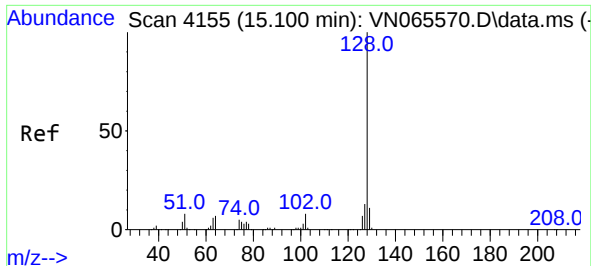
Tgt Ion:117 Resp: 1293
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.42 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. -0.000 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion:180 Resp: 118
Ion Ratio Lower Upper
180 100
182 820.3 47.3 142.0#
145 10578.0 15.6 46.8#

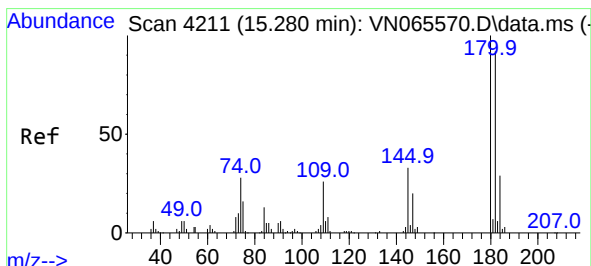
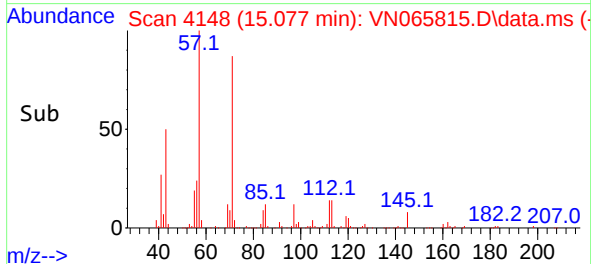
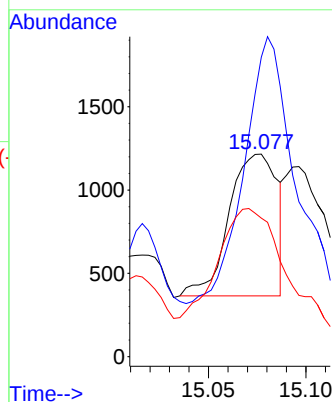
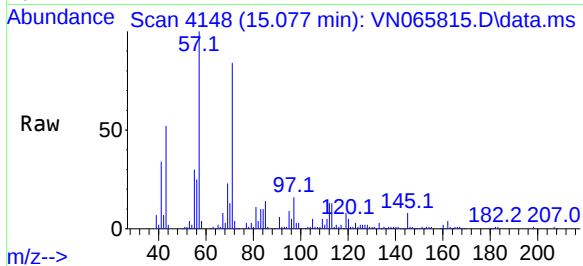




#95
Naphthalene
Concen: 3.65 ug/l
RT: 15.077 min Scan# 4148
Delta R.T. -0.023 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-11-SOIL

Tgt Ion:128 Resp: 1461
Ion Ratio Lower Upper
128 100
127 205.9 10.2 15.2#
129 121.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.36 ug/l
RT: 15.302 min Scan# 4218
Delta R.T. 0.022 min
Lab File: VN065815.D
Acq: 11 Feb 2021 15:13

Tgt Ion:180 Resp: 1179
Ion Ratio Lower Upper
180 100
182 19.3 47.4 142.3#
145 0.0 16.5 49.5#

