

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021521\
 Data File : VN065870.D
 Acq On : 15 Feb 2021 14:56
 Operator : JC/MD
 Sample : M1398-04ME
 Misc : 3.44g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VCP-SS-4-SOILME

Quant Time: Feb 15 15:15:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 15 10:57:01 2021
 Response via : Initial Calibration

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

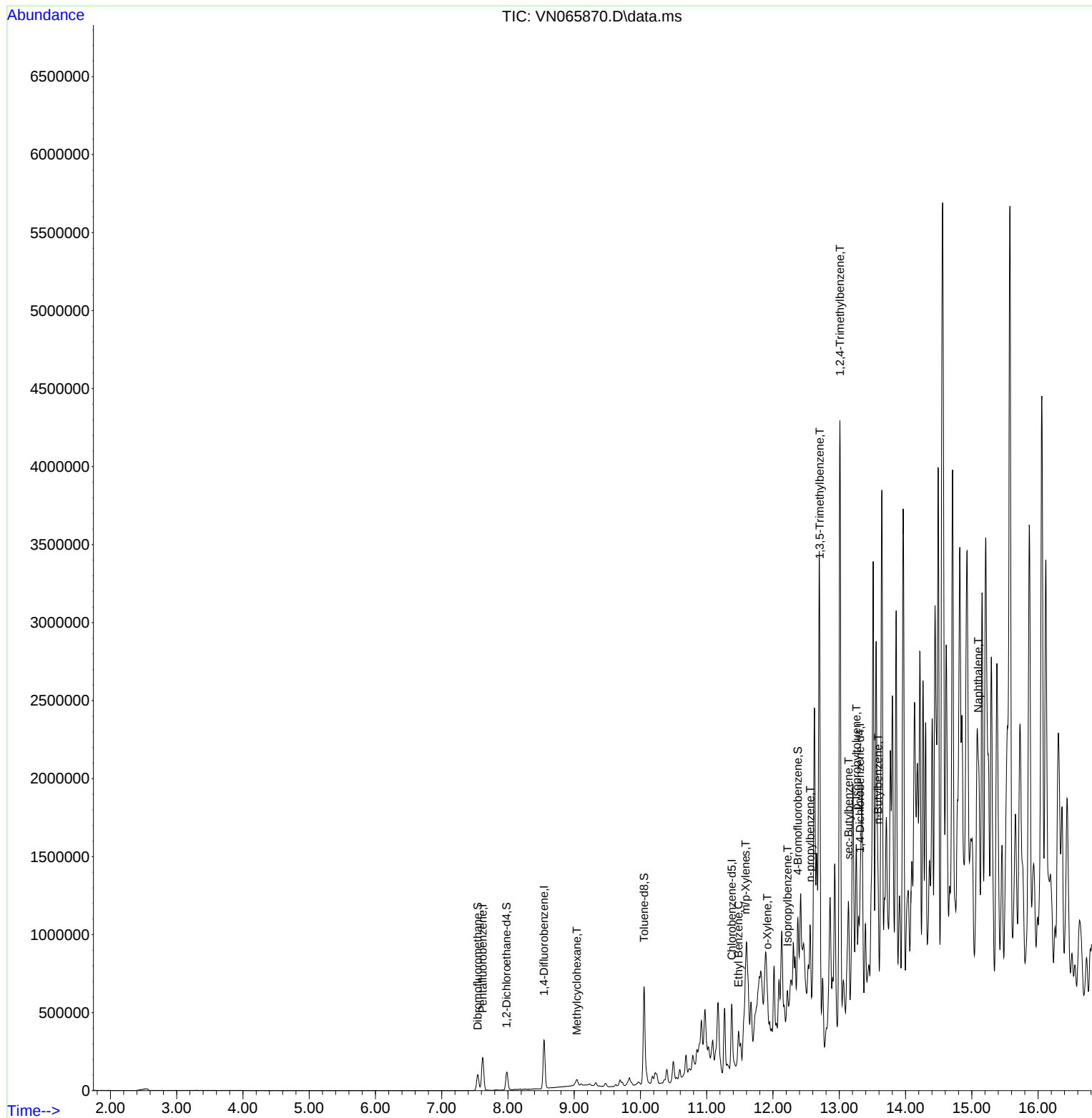
Internal Standards						
1) Pentafluorobenzene	7.618	168	181352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.544	114	299507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	263781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	133254	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.981	65	97711	40.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	81.90%		
35) Dibromofluoromethane	7.544	113	82473	46.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.94%		
50) Toluene-d8	10.055	98	383312	54.94	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.88%		
62) 4-Bromofluorobenzene	12.373	95	129395	51.50	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.00%		
Target Compounds						Qvalue
39) Methylcyclohexane	9.039	83	18893	5.14	ug/l	99
67) Ethyl Benzene	11.479	91	163109	15.73	ug/l	99
68) m/p-Xylenes	11.589	106	162155	43.21	ug/l	100
69) o-Xylene	11.917	106	23064	6.34	ug/l	100
73) Isopropylbenzene	12.219	105	149175	12.79	ug/l	94
78) n-propylbenzene	12.563	91	490234	35.65	ug/l	98
80) 1,3,5-Trimethylbenzene	12.704	105	521911	52.54	ug/l	98
84) 1,2,4-Trimethylbenzene	13.010	105	2231693	225.24	ug/l	98
85) sec-Butylbenzene	13.142	105	381012	34.07	ug/l	92
86) p-Isopropyltoluene	13.261	119	210387	21.31	ug/l	99
89) n-Butylbenzene	13.585	91	408316	46.03	ug/l #	76
95) Naphthalene	15.097	128	407660	47.41	ug/l #	89

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

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QLast Update : Mon Feb 15 10:57:01 2021
Response via : Initial Calibration

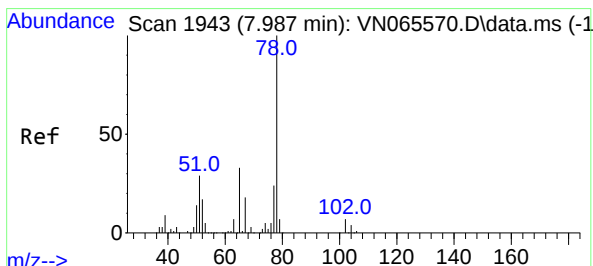
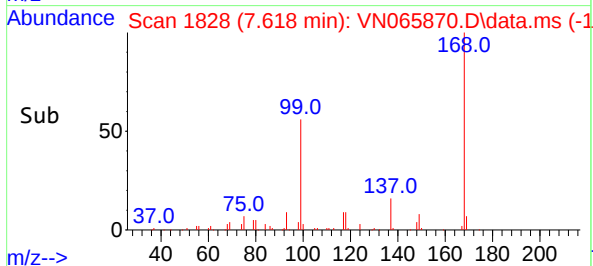
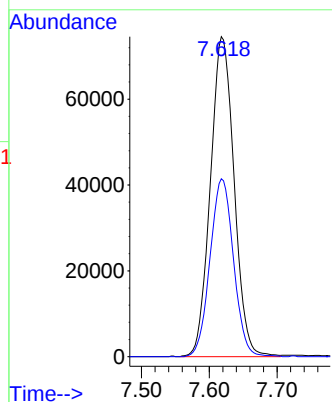
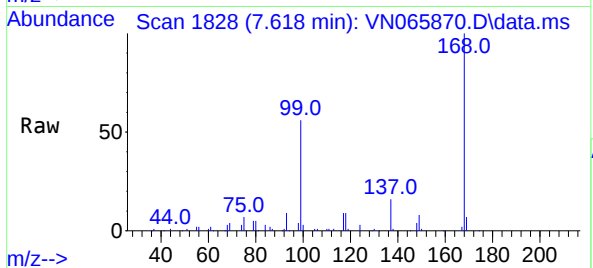




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.006 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

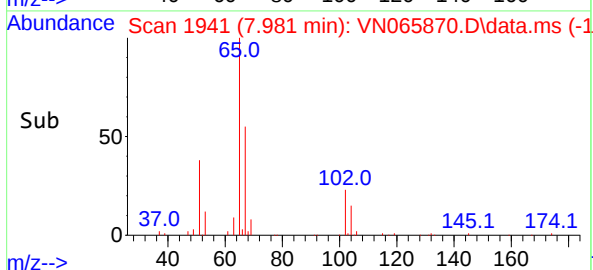
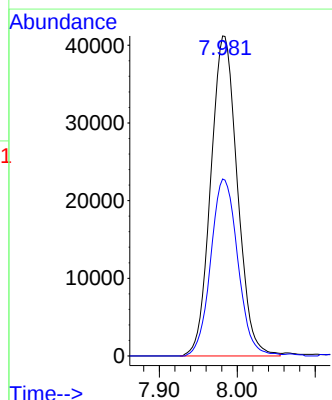
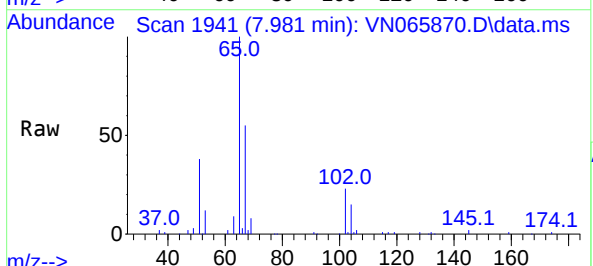
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

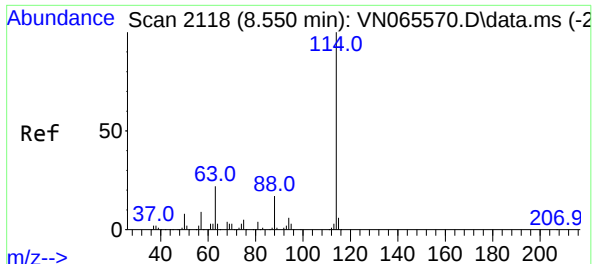
Tgt Ion:168 Resp: 181352
Ion Ratio Lower Upper
168 100
99 55.6 42.6 63.8



#33
1,2-Dichloroethane-d4
Concen: 40.95 ug/l
RT: 7.981 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion: 65 Resp: 97711
Ion Ratio Lower Upper
65 100
67 56.3 0.0 107.2



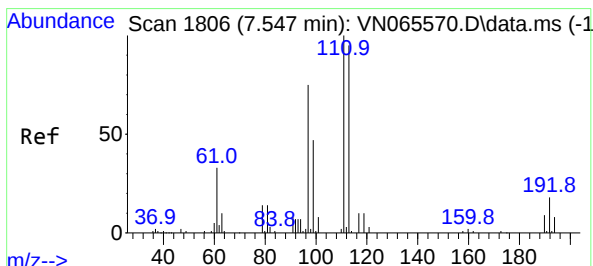
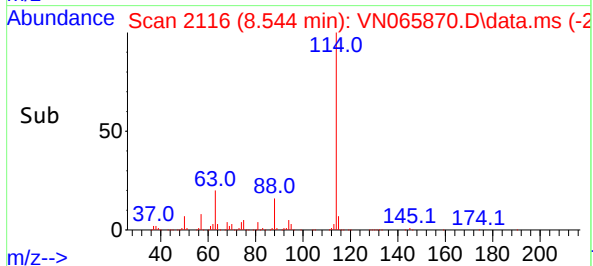
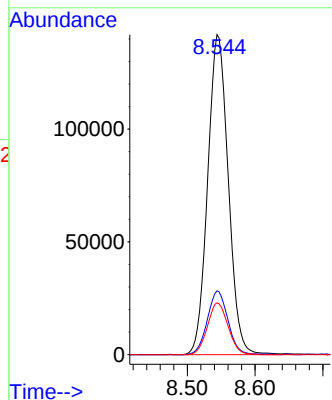
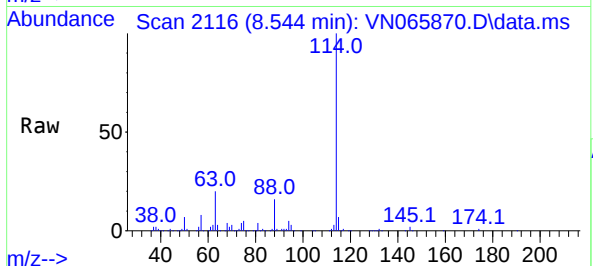


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.544 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

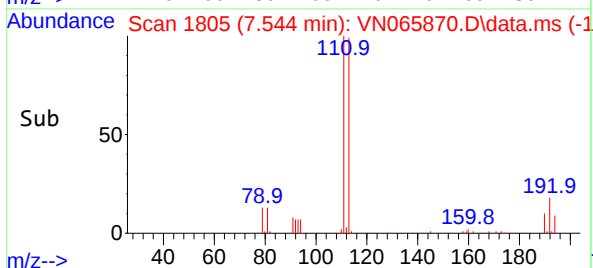
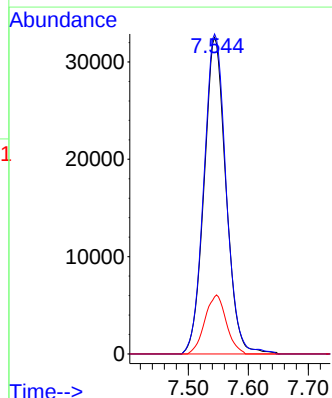
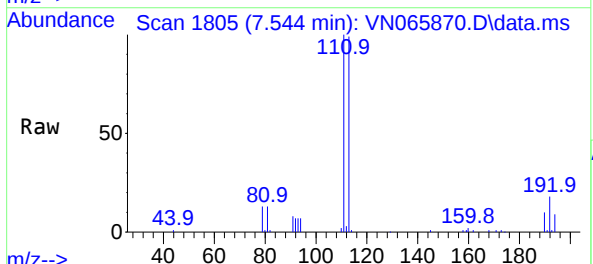
Tgt Ion:114 Resp: 299507
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 16.2 0.0 30.6

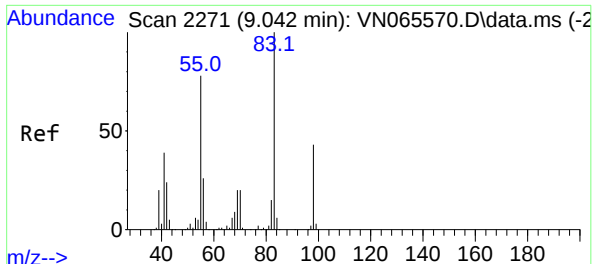


#35

Dibromofluoromethane
Concen: 46.47 ug/l
RT: 7.544 min Scan# 1805
Delta R.T. -0.003 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:113 Resp: 82473
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.3 15.4 23.0





#39

Methylcyclohexane

Concen: 5.14 ug/l

RT: 9.039 min Scan# 2270

Delta R.T. -0.003 min

Lab File: VN065870.D

Acq: 15 Feb 2021 14:56

Tgt Ion: 83 Resp: 18893

Ion Ratio Lower Upper

83 100

55 73.0 58.9 88.3

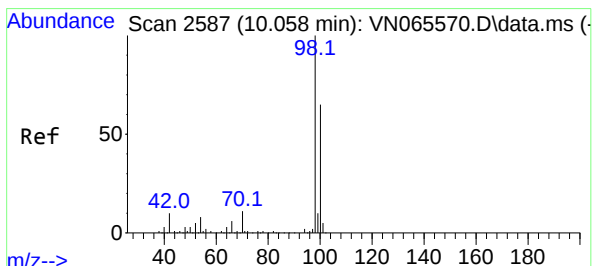
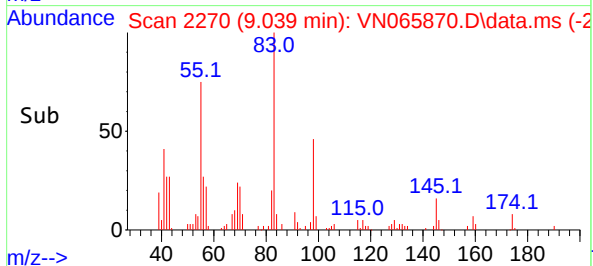
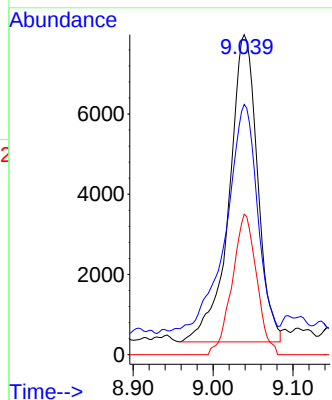
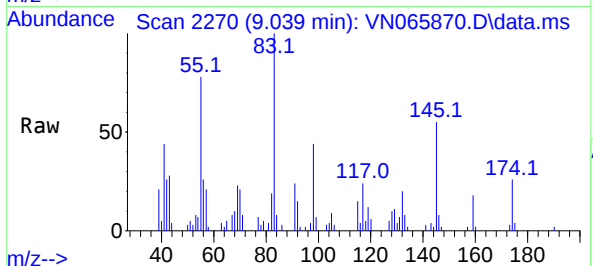
98 45.8 35.9 53.9

Instrument :

MSVOA_N

ClientSampleId :

VCP-SS-4-SOILME



#50

Toluene-d8

Concen: 54.94 ug/l

RT: 10.055 min Scan# 2586

Delta R.T. -0.003 min

Lab File: VN065870.D

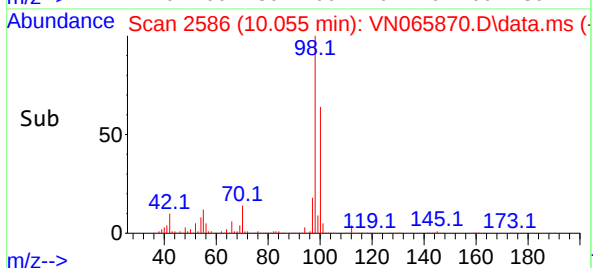
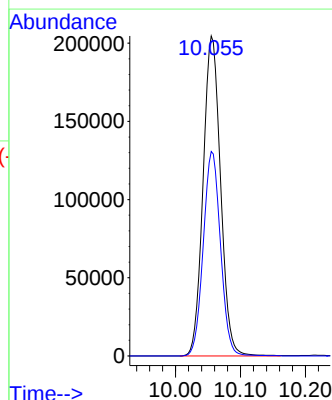
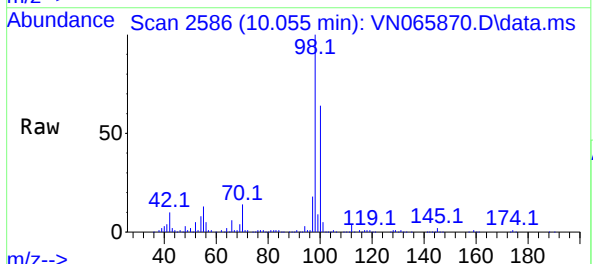
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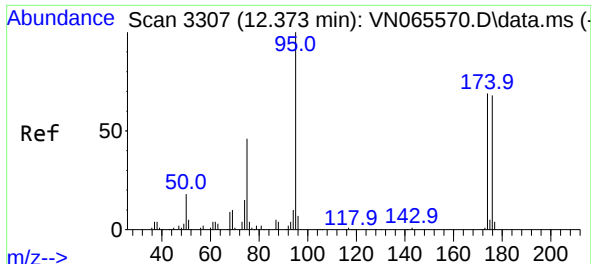
Tgt Ion: 98 Resp: 383312

Ion Ratio Lower Upper

98 100

100 62.9 50.5 75.7

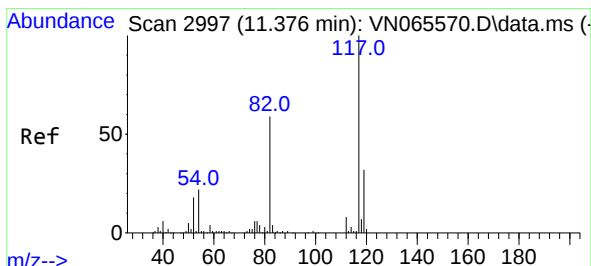
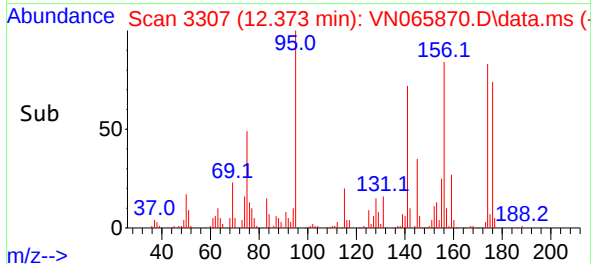
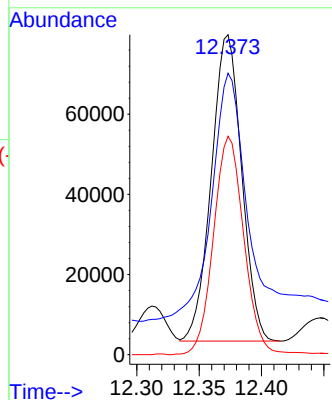
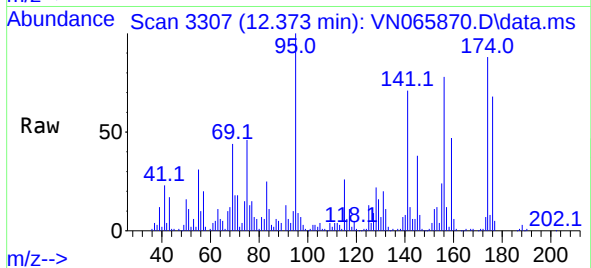




#62
4-Bromofluorobenzene
Concen: 51.50 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

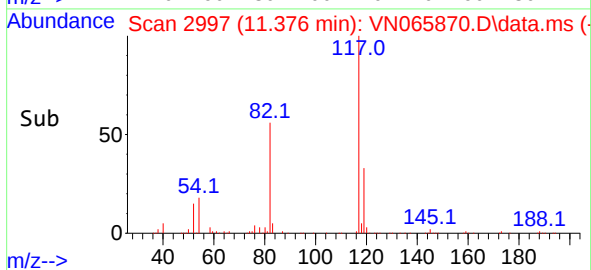
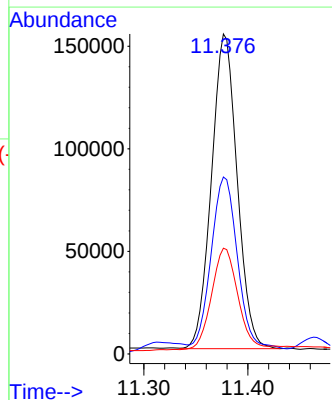
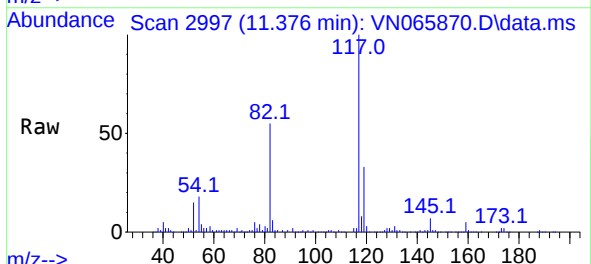
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

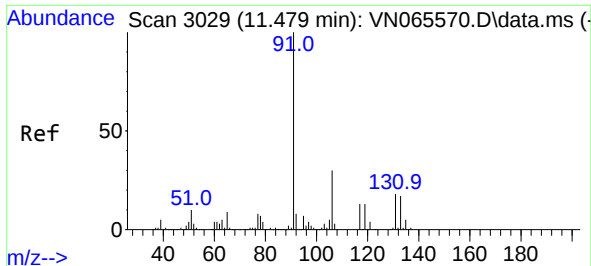
Tgt Ion: 95 Resp: 129395
Ion Ratio Lower Upper
95 100
174 155.5 0.0 169.0
176 72.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion: 117 Resp: 263781
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.2 26.1 39.1

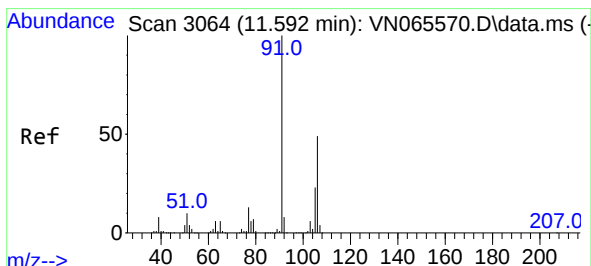
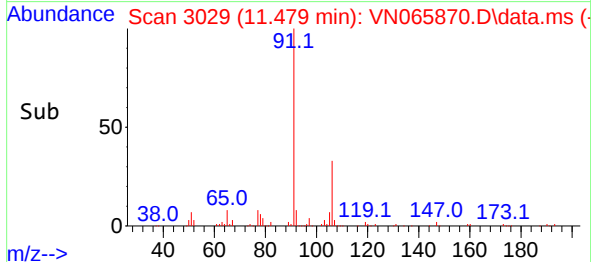
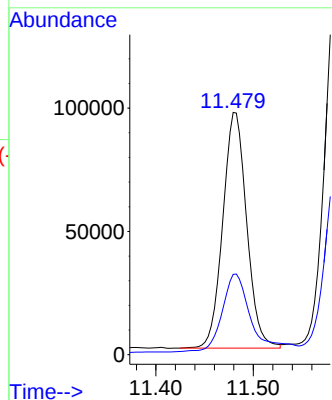
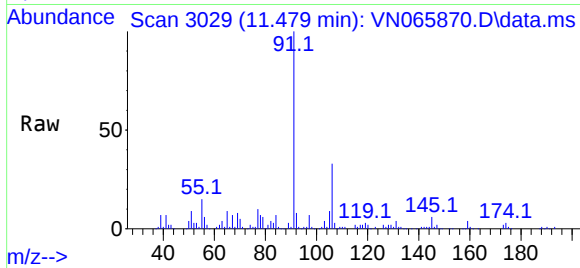




#67
Ethyl Benzene
Concen: 15.73 ug/l
RT: 11.479 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

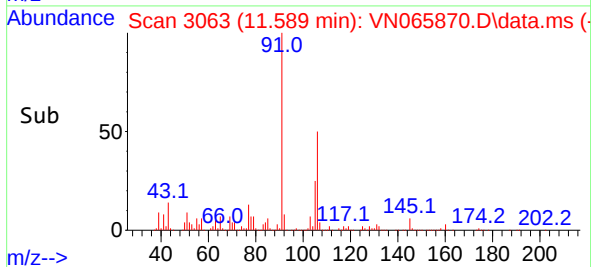
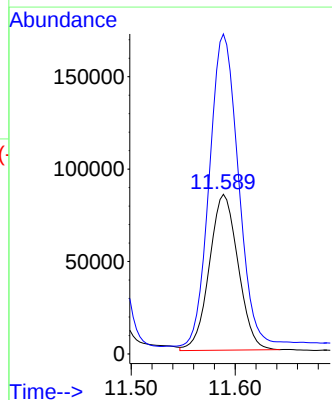
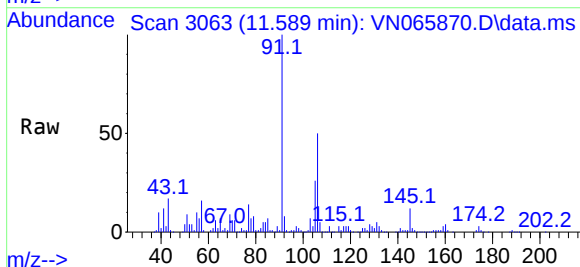
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MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

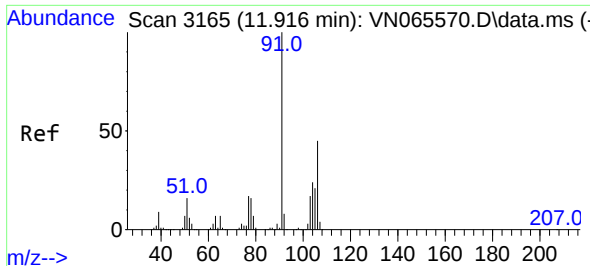
Tgt Ion: 91 Resp: 163109
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3



#68
m/p-Xylenes
Concen: 43.21 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:106 Resp: 162155
Ion Ratio Lower Upper
106 100
91 202.3 161.4 242.0

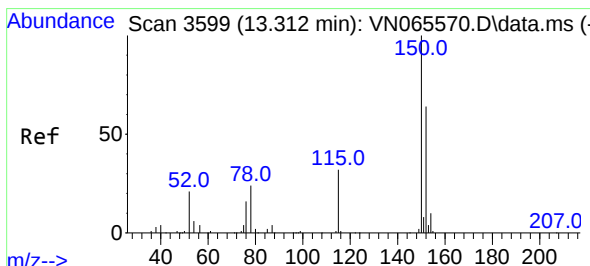
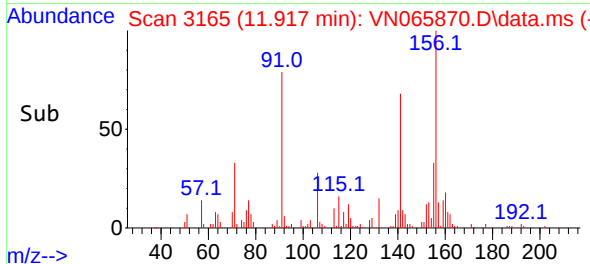
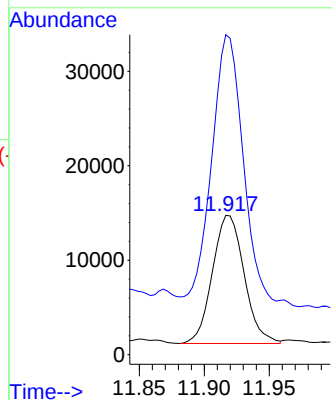
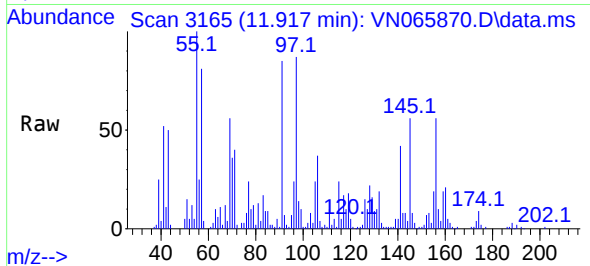




#69
o-Xylene
Concen: 6.34 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. 0.001 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

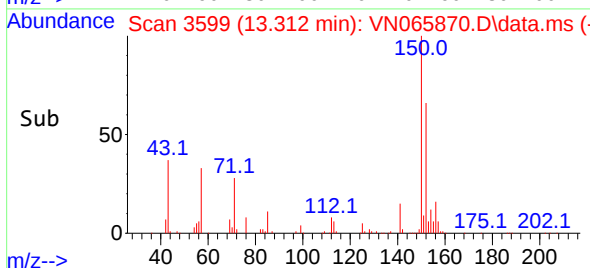
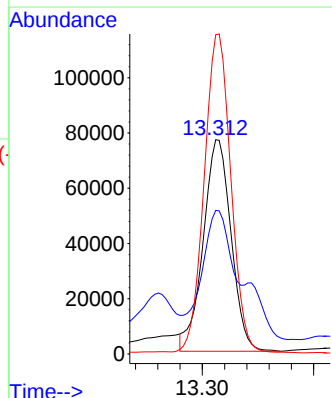
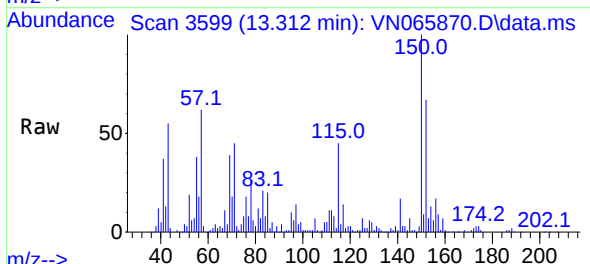
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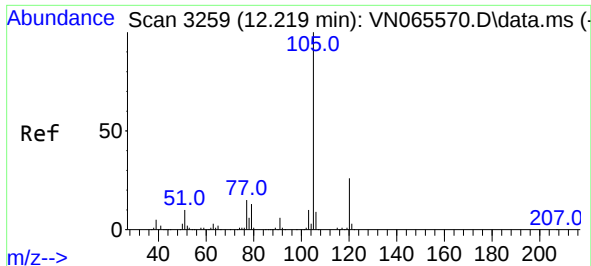
Tgt Ion:106 Resp: 23064
Ion Ratio Lower Upper
106 100
91 213.8 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:152 Resp: 133254
Ion Ratio Lower Upper
152 100
115 47.2 28.5 85.6
150 144.6 0.0 347.6

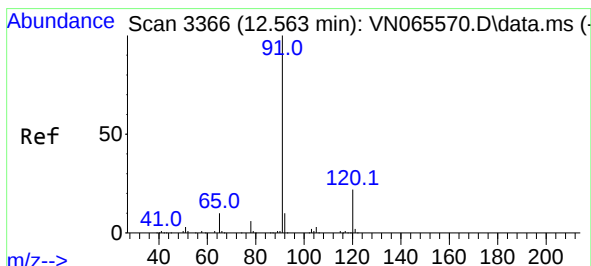
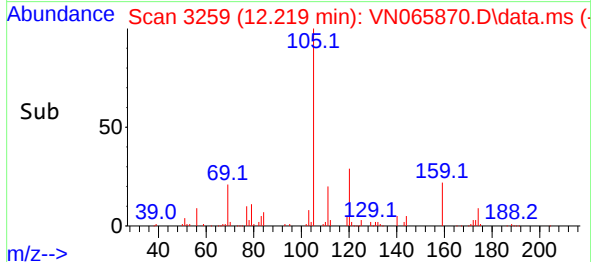
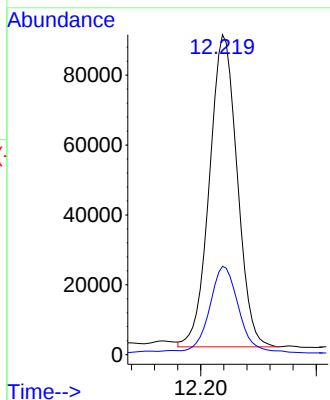
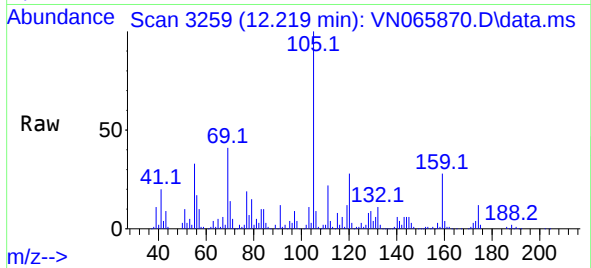




#73
Isopropylbenzene
Concen: 12.79 ug/l
RT: 12.219 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

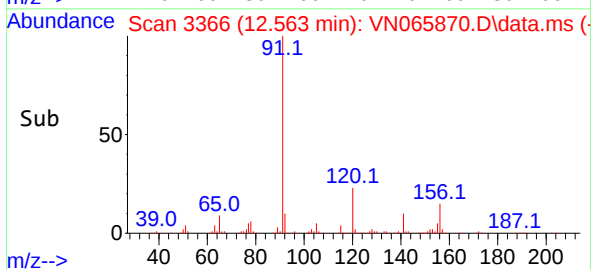
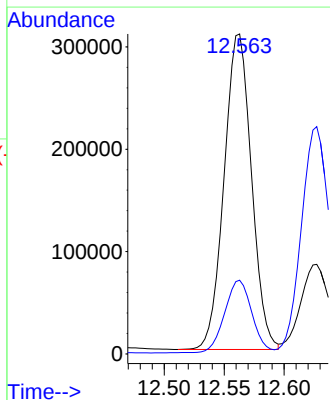
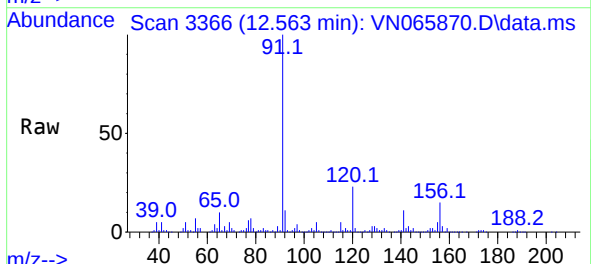
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

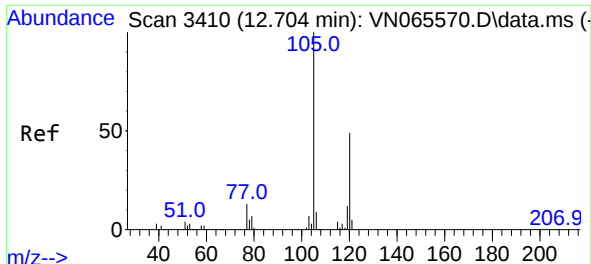
Tgt Ion:105 Resp: 149175
Ion Ratio Lower Upper
105 100
120 29.4 13.3 39.9



#78
n-propylbenzene
Concen: 35.65 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion: 91 Resp: 490234
Ion Ratio Lower Upper
91 100
120 22.6 11.8 35.3

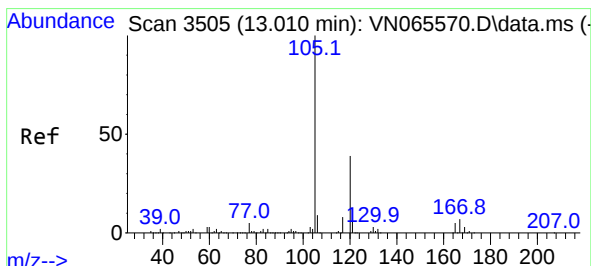
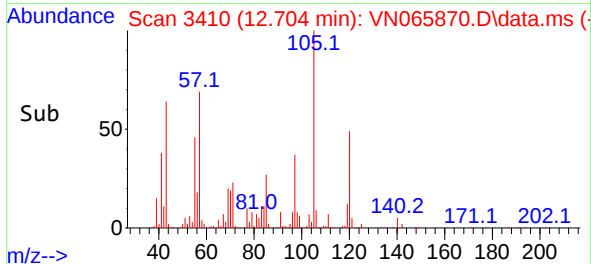
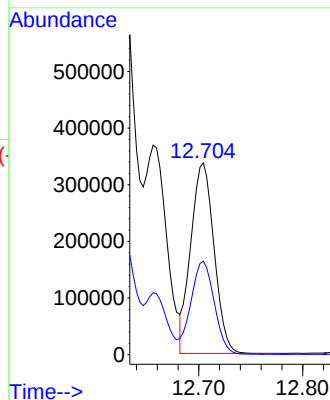
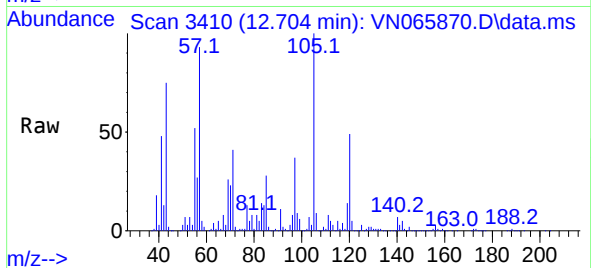




#80
1,3,5-Trimethylbenzene
Concen: 52.54 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

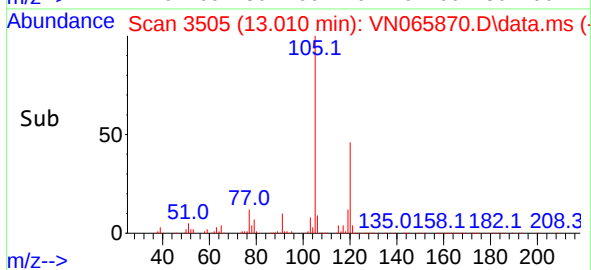
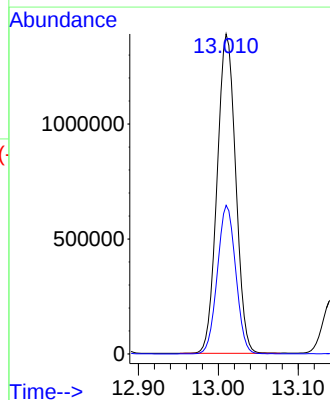
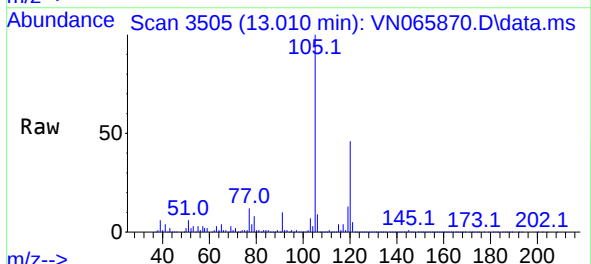
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

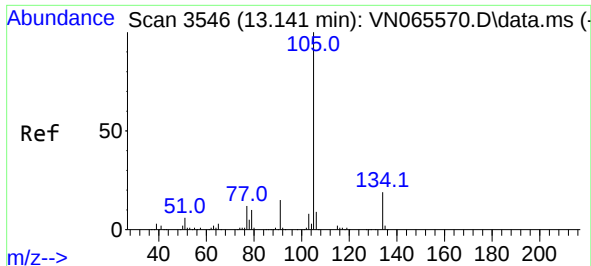
Tgt Ion:105 Resp: 521911
Ion Ratio Lower Upper
105 100
120 49.6 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 225.24 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:105 Resp: 2231693
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.0

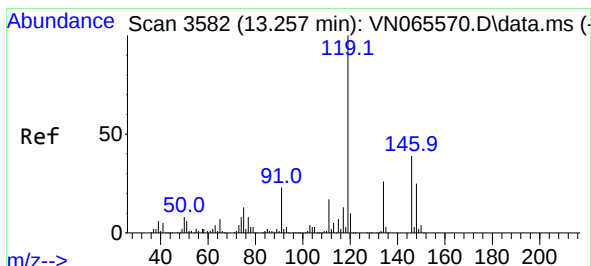
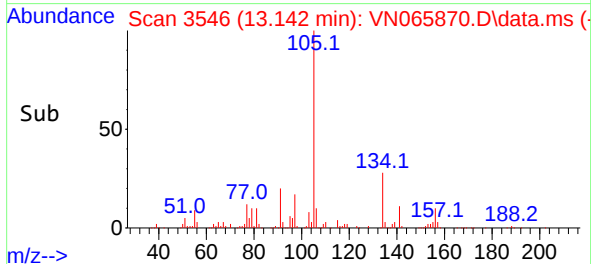
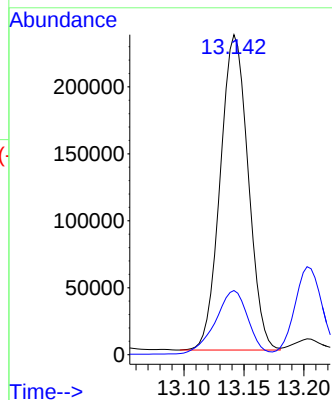
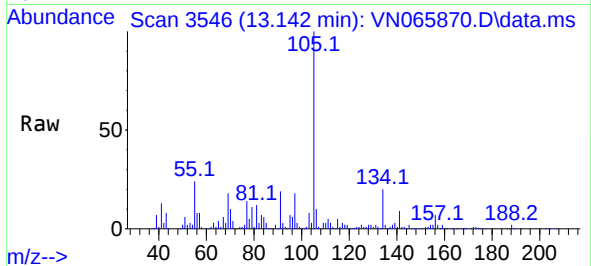




#85
sec-Butylbenzene
Concen: 34.07 ug/l
RT: 13.142 min Scan# 3546
Delta R.T. 0.001 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

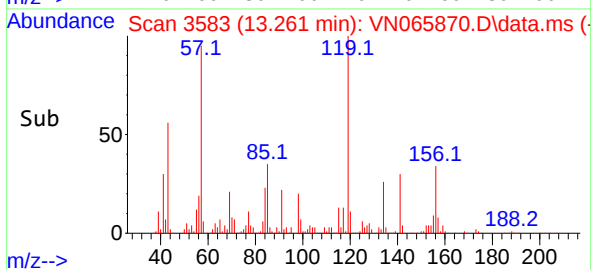
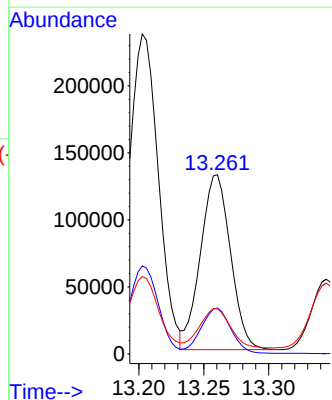
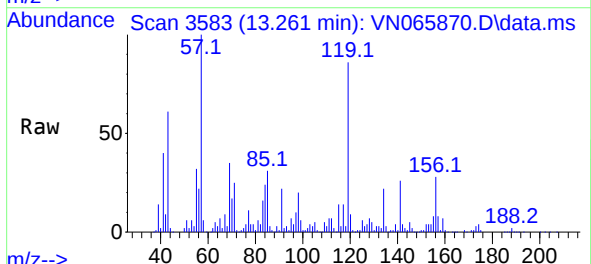
Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

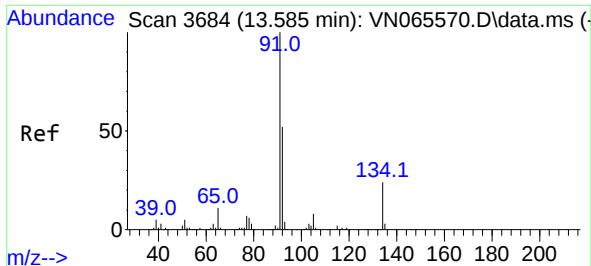
Tgt Ion:105 Resp: 381012
Ion Ratio Lower Upper
105 100
134 23.8 10.0 30.0



#86
p-Isopropyltoluene
Concen: 21.31 ug/l
RT: 13.261 min Scan# 3583
Delta R.T. 0.004 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:119 Resp: 210387
Ion Ratio Lower Upper
119 100
134 26.0 13.3 39.8
91 22.7 11.8 35.3

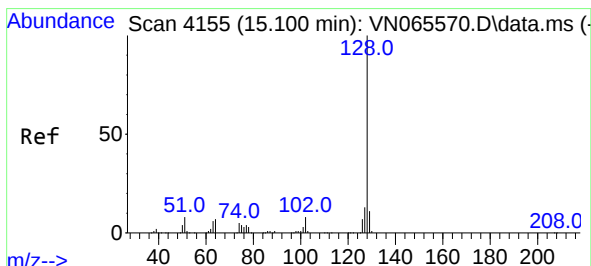
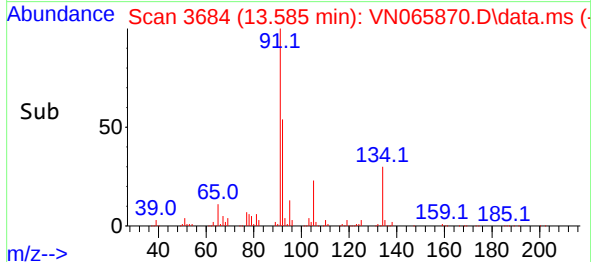
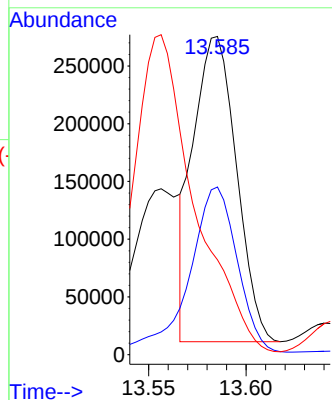
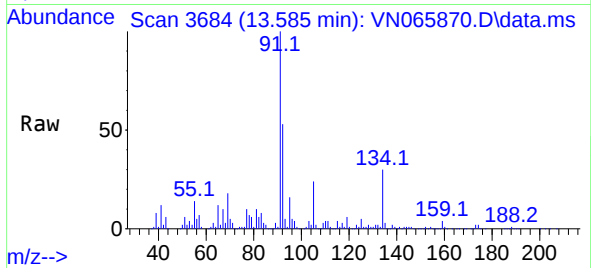




#89
n-Butylbenzene
Concen: 46.03 ug/l
RT: 13.585 min Scan# 3684
Delta R.T. 0.000 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Instrument :
MSVOA_N
ClientSampleId :
VCP-SS-4-SOILME

Tgt Ion: 91 Resp: 408316
Ion Ratio Lower Upper
91 100
92 60.0 26.1 78.3
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 47.41 ug/l
RT: 15.097 min Scan# 4154
Delta R.T. -0.003 min
Lab File: VN065870.D
Acq: 15 Feb 2021 14:56

Tgt Ion:128 Resp: 407660
Ion Ratio Lower Upper
128 100
127 15.7 10.2 15.2#
129 16.4 8.6 13.0#

