

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070402.D
 Acq On : 30 Dec 2021 16:24
 Operator : JC/MD
 Sample : M5177-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 31 05:20:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

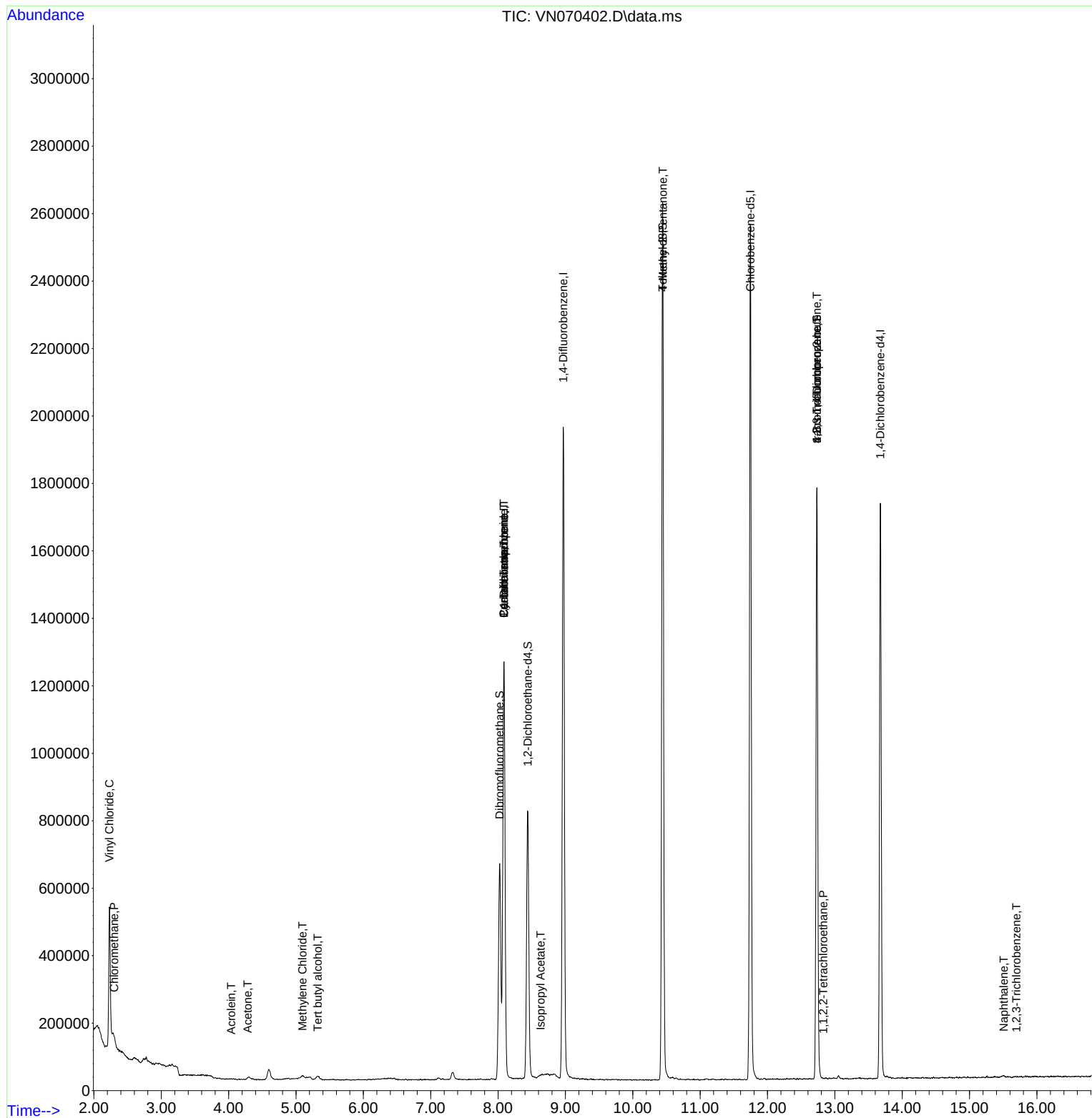
Internal Standards						
1) Pentafluorobenzene	8.088	168	958022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1644058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1440107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	463468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	671493	48.749	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.500%		
35) Dibromofluoromethane	8.024	113	473182	47.569	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.140%		
50) Toluene-d8	10.443	98	1804359	44.403	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.800%		
62) 4-Bromofluorobenzene	12.733	95	623650	42.492	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.980%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	3477	0.235	ug/l #	82
4) Vinyl Chloride	2.231	62	5334	0.396	ug/l #	1
11) Tert butyl alcohol	5.323	59	10665	4.650	ug/l #	71
13) Acrolein	4.039	56	645	0.347	ug/l	99
16) Acetone	4.283	43	2898	0.324	ug/l #	88
20) Methylene Chloride	5.095	84	3581	0.289	ug/l #	89
31) Cyclohexane	8.086	56	23383	1.076	ug/l #	17
36) 1,1-Dichloropropene	8.086	75	78309	4.759	ug/l #	49
38) Carbon Tetrachloride	8.086	117	94920	6.041	ug/l #	17
43) Isopropyl Acetate	8.630	43	10154	0.302	ug/l #	55
51) 4-Methyl-2-Pentanone	10.446	43	9330	0.442	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.830	83	54	0.450	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	329763	25.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	329763	86.930	ug/l #	5
95) Naphthalene	15.507	128	5075	2.029	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.694	180	286	0.865	ug/l #	67

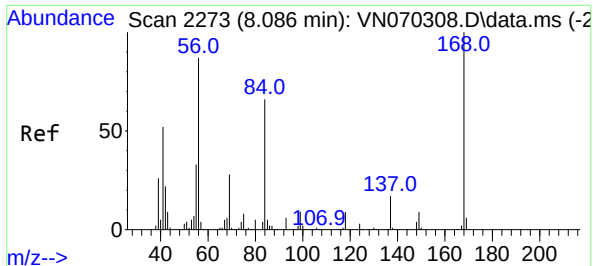
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 05:20:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

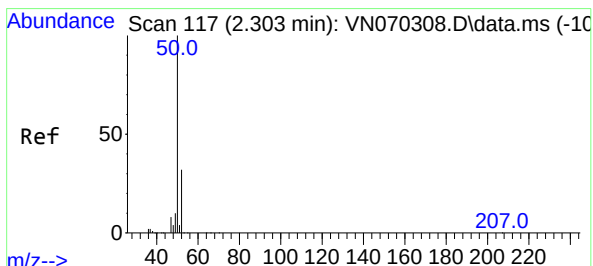
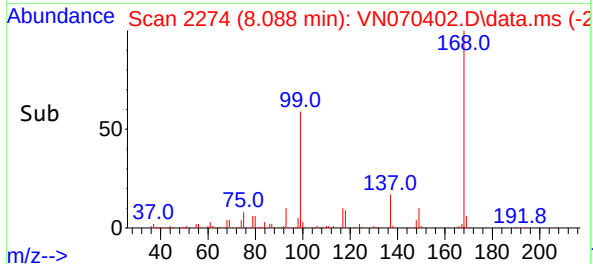
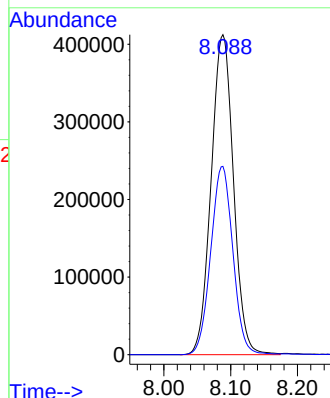
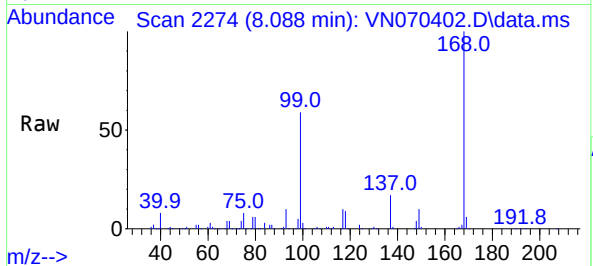




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

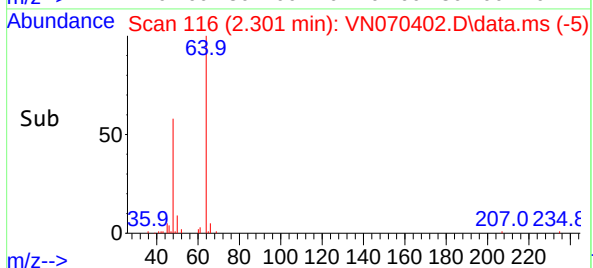
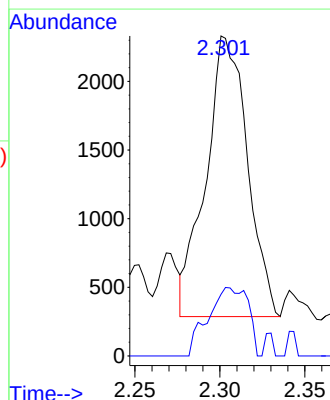
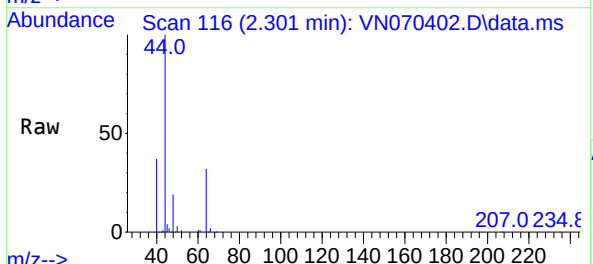
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

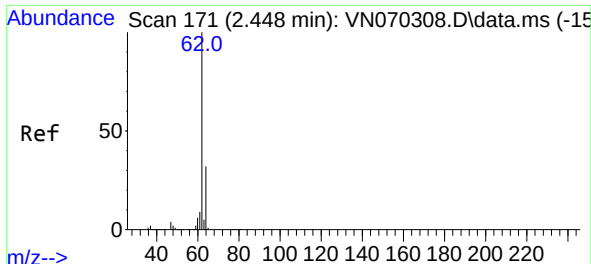
Tgt Ion:168 Resp: 958022
Ion Ratio Lower Upper
168 100
99 58.8 41.3 61.9



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 50 Resp: 3477
Ion Ratio Lower Upper
50 100
52 22.0 25.4 38.0#

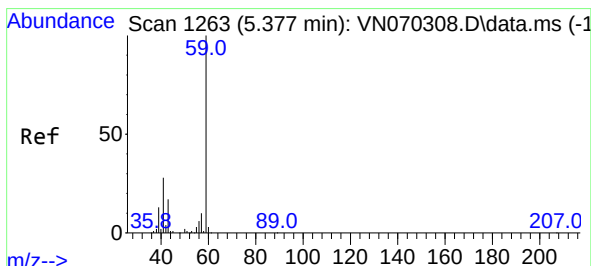
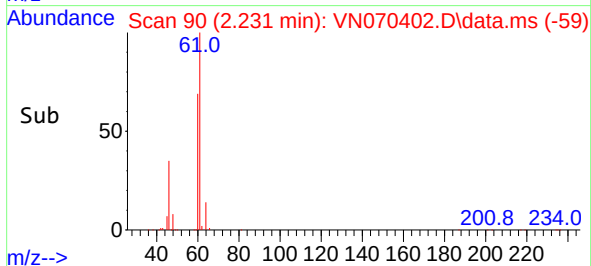
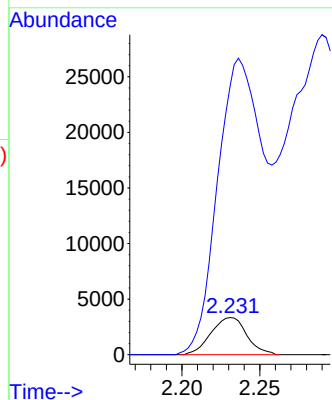
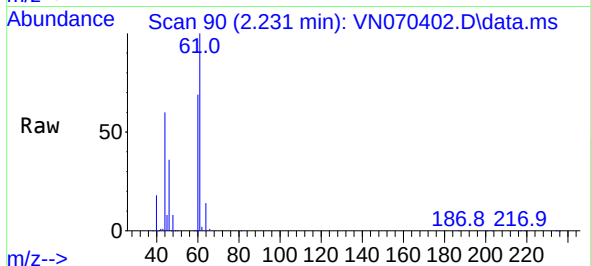




#4
Vinyl Chloride
Concen: 0.396 ug/l
RT: 2.231 min Scan# 90
Delta R.T. -0.217 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

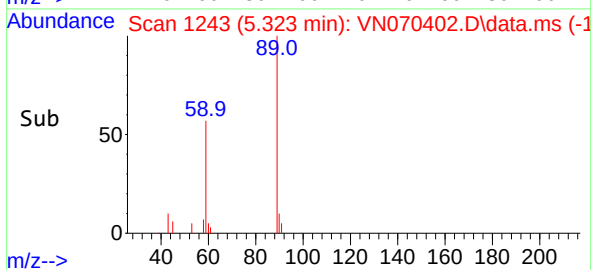
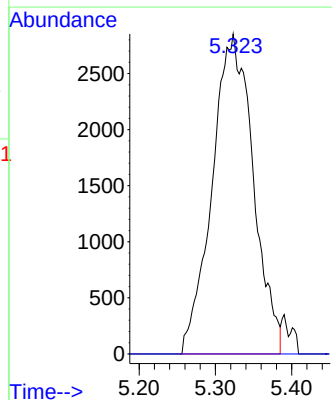
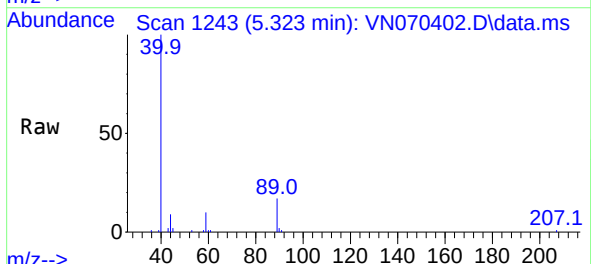
Instrument :
MSVOA_N
ClientSampleId :
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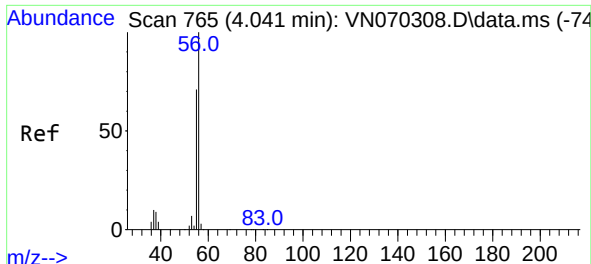
Tgt Ion: 62 Resp: 5334
Ion Ratio Lower Upper
62 100
64 718.1 25.8 38.6#



#11
Tert butyl alcohol
Concen: 4.650 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.054 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 59 Resp: 10665
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

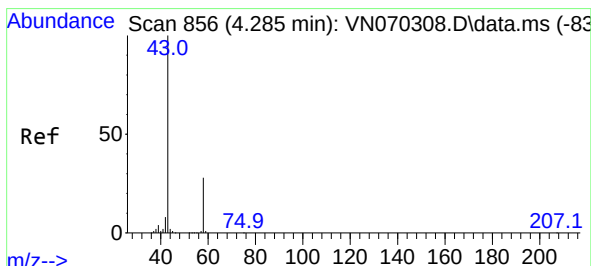
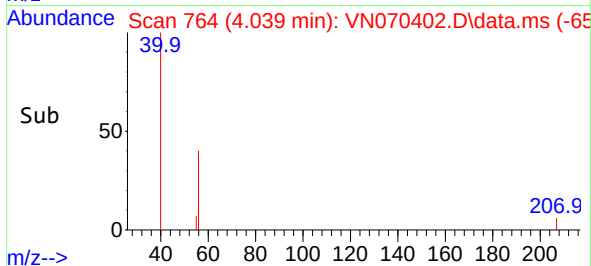
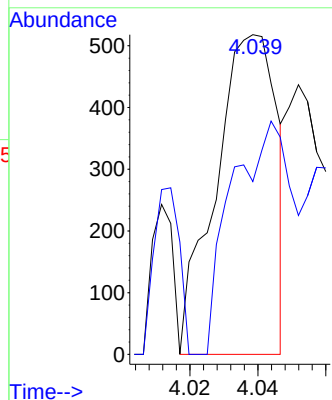
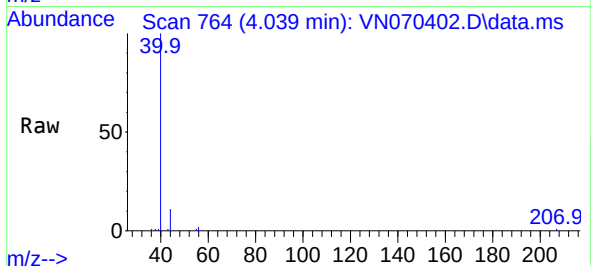




#13
Acrolein
Concen: 0.347 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

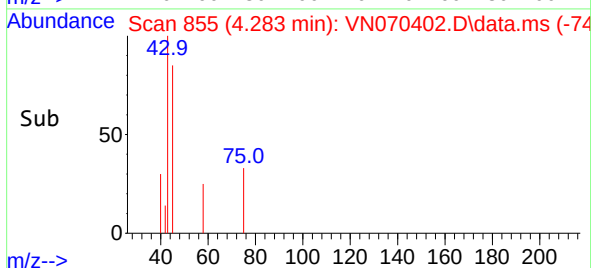
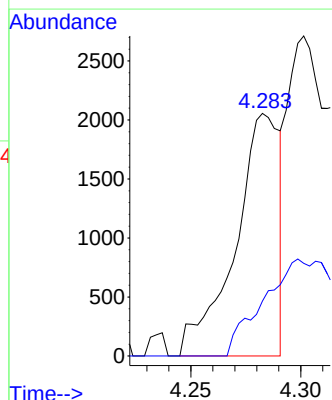
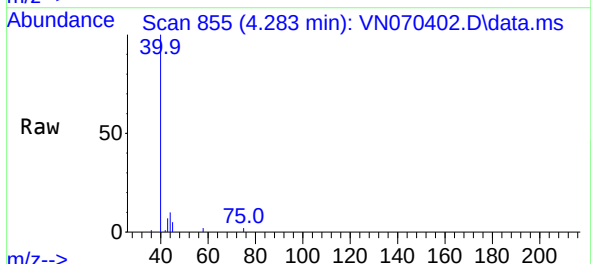
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

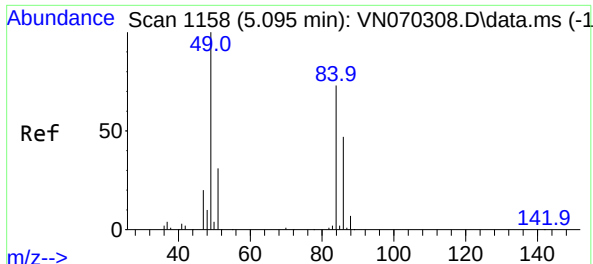
Tgt Ion: 56 Resp: 645
Ion Ratio Lower Upper
56 100
55 71.8 56.6 85.0



#16
Acetone
Concen: 0.324 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.002 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 43 Resp: 2898
Ion Ratio Lower Upper
43 100
58 22.7 23.1 34.7#



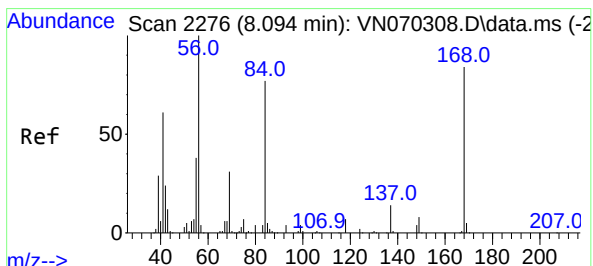
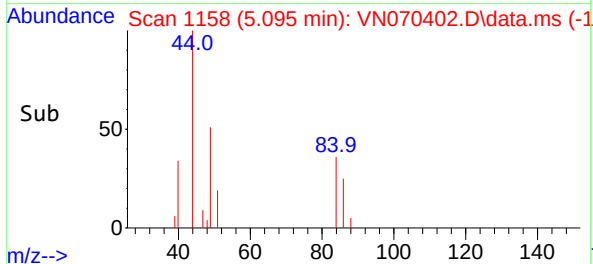
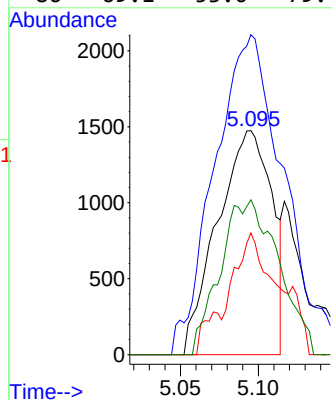
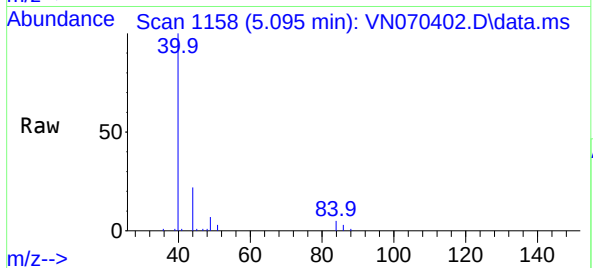


#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 84 Resp: 3581

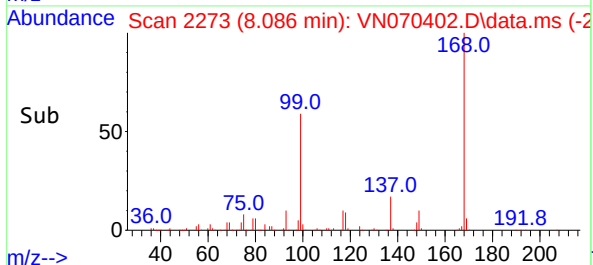
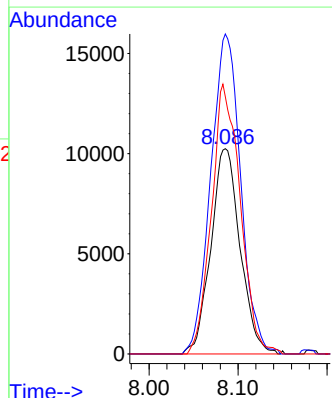
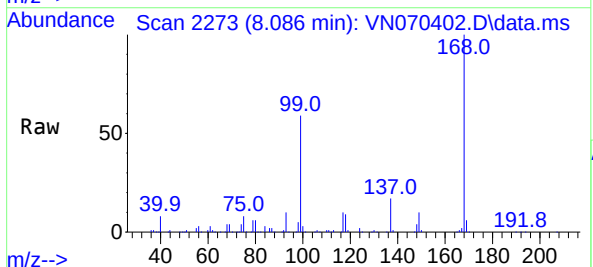
Ion	Ratio	Lower	Upper
84	100		
49	127.4	93.5	140.3
51	54.3	29.4	44.2#
86	69.1	53.0	79.4

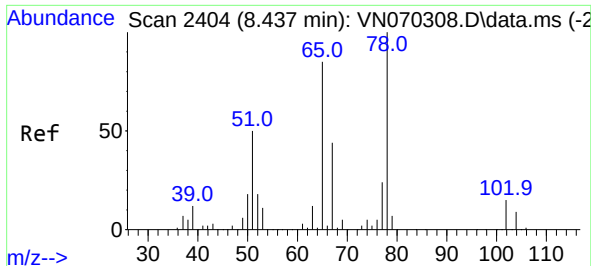


#31
Cyclohexane
Concen: 1.076 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 56 Resp: 23383

Ion	Ratio	Lower	Upper
56	100		
69	155.9	27.1	40.7#
84	125.3	73.4	110.0#

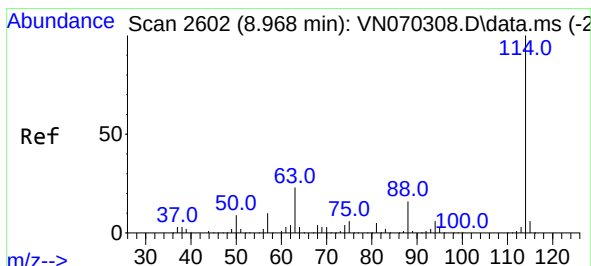
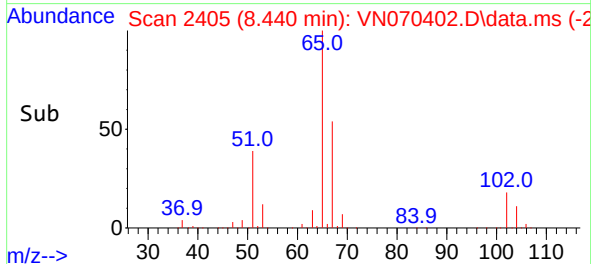
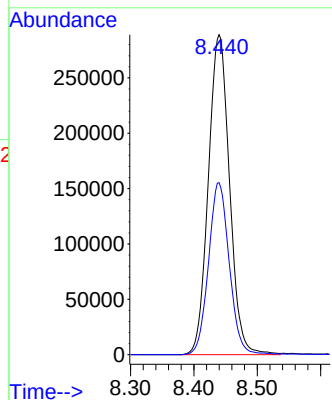
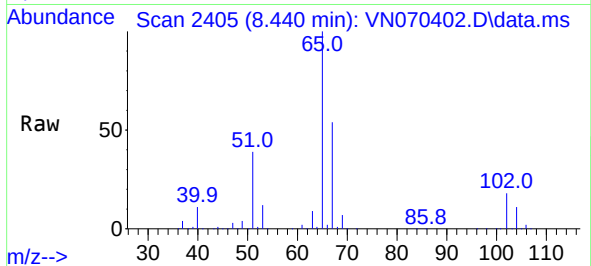




#33
 1,2-Dichloroethane-d4
 Concen: 48.749 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN070402.D
 Acq: 30 Dec 2021 16:24

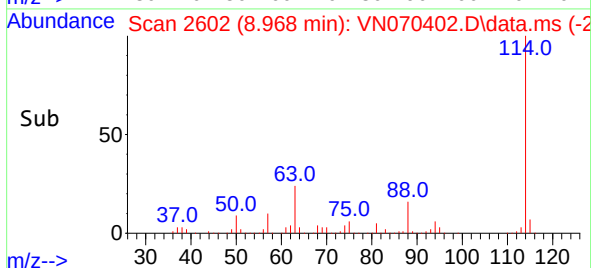
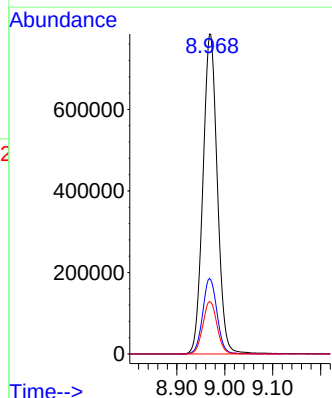
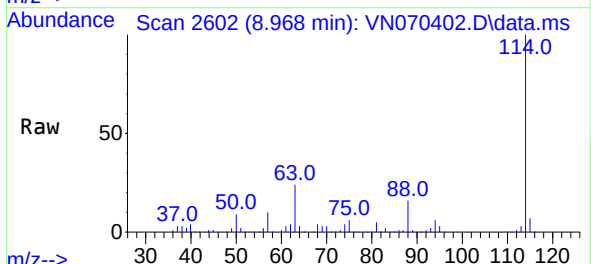
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 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

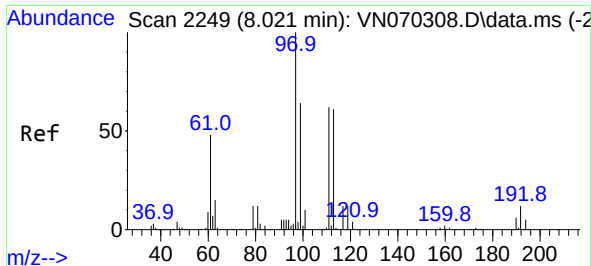
Tgt Ion: 65 Resp: 671493
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN070402.D
 Acq: 30 Dec 2021 16:24

Tgt Ion: 114 Resp: 1644058
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 37.8
 88 16.3 0.0 27.4

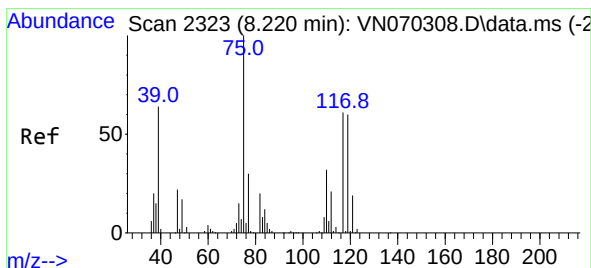
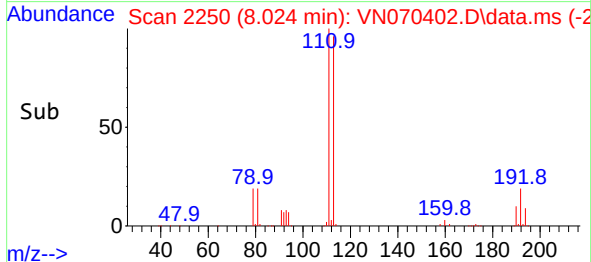
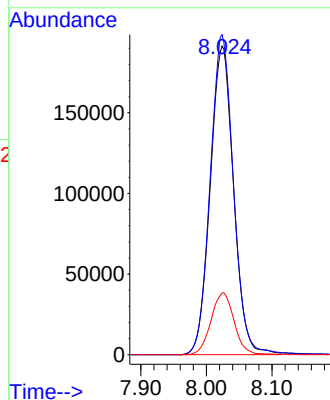
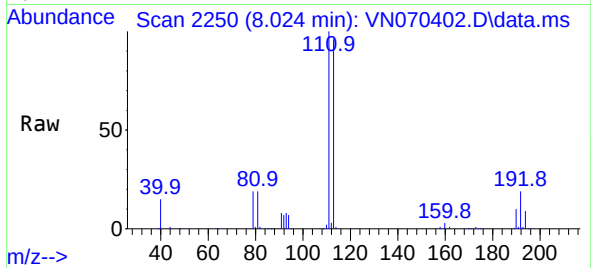




#35
Dibromofluoromethane
Concen: 47.569 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

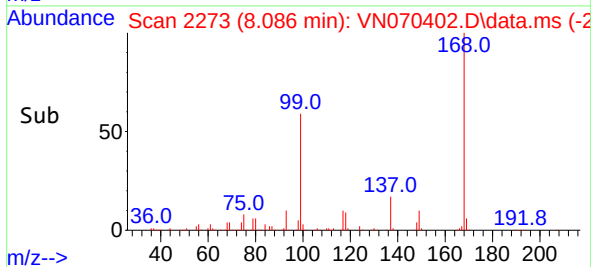
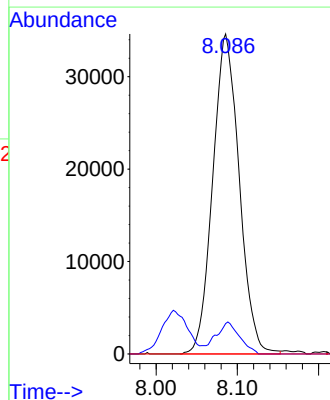
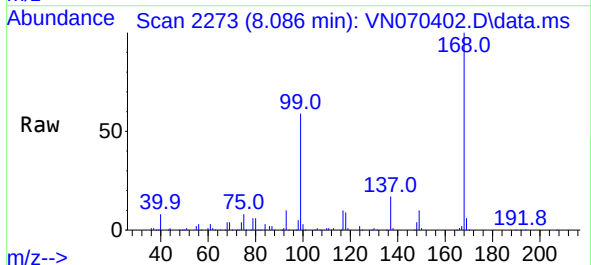
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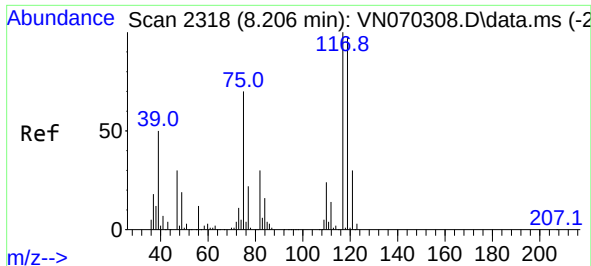
Tgt Ion:113 Resp: 473182
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 75 Resp: 78309
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

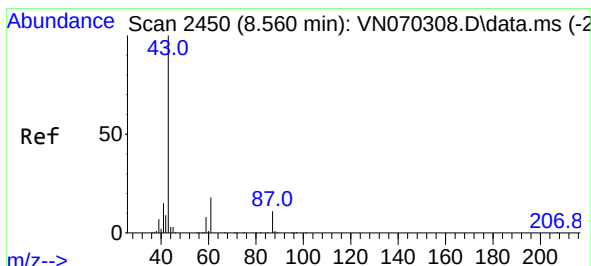
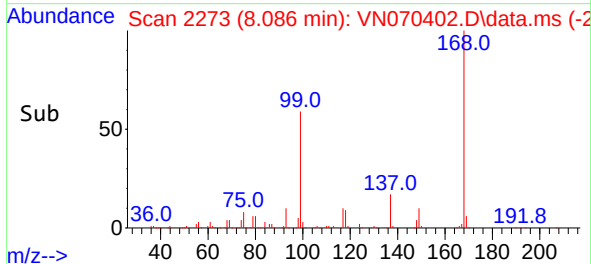
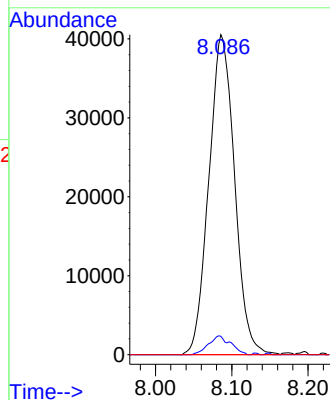
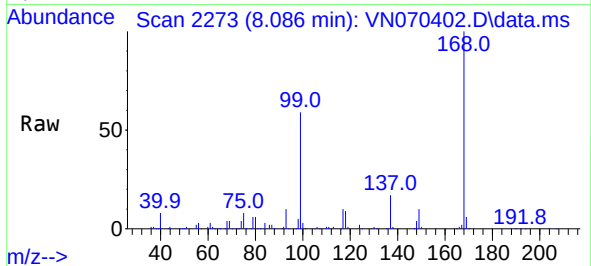




#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

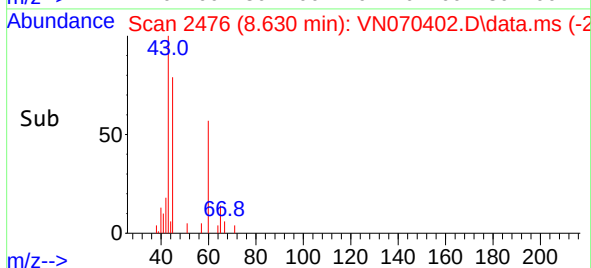
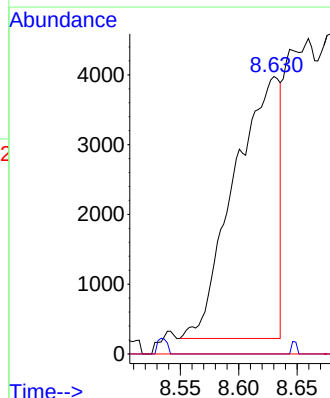
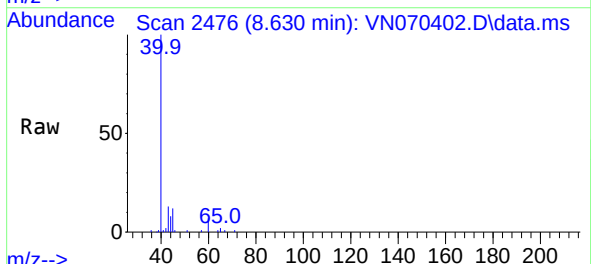
Instrument :
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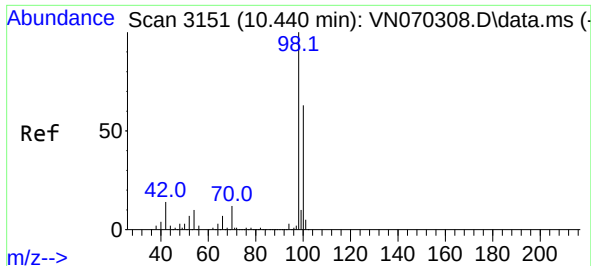
Tgt Ion:117 Resp: 94920
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.302 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.070 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 43 Resp: 10154
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

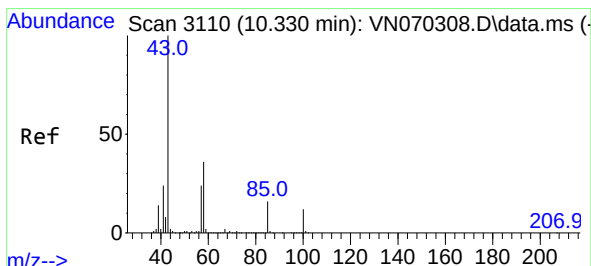
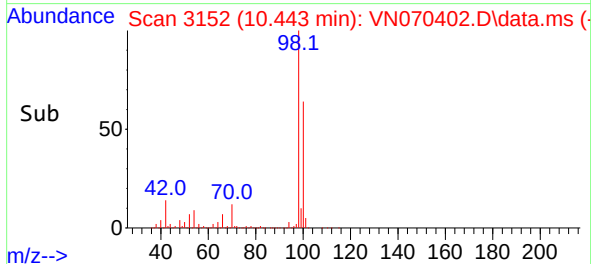
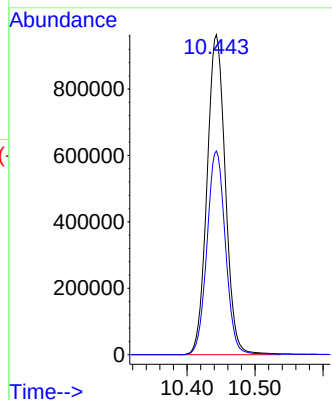
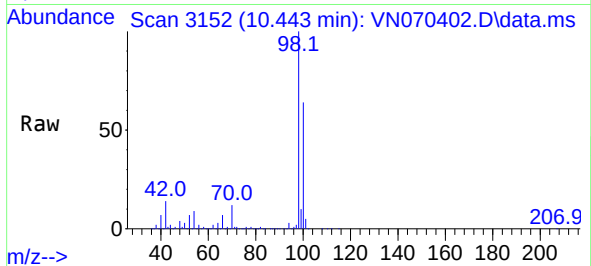




#50
Toluene-d8
Concen: 44.403 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

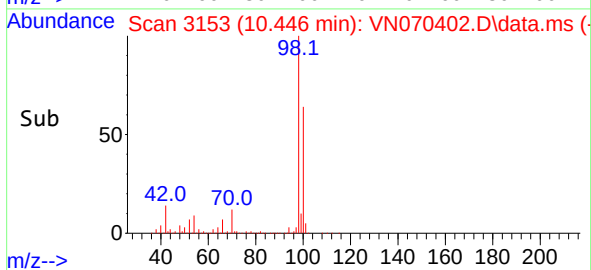
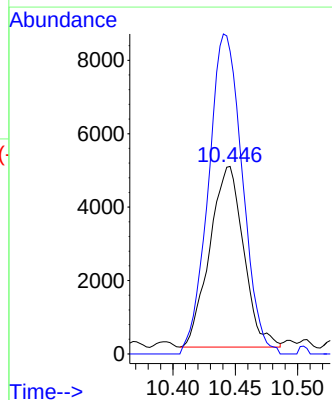
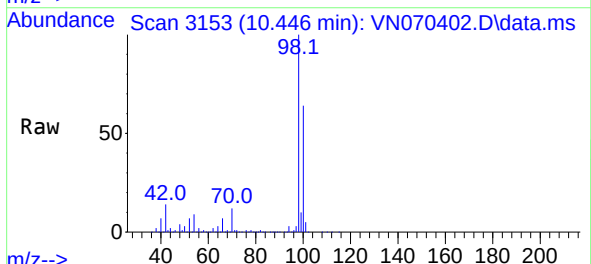
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

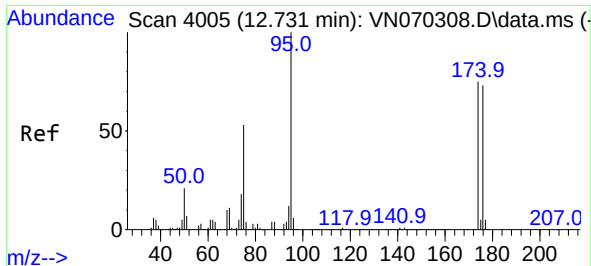
Tgt Ion: 98 Resp: 1804359
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.442 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 43 Resp: 9330
Ion Ratio Lower Upper
43 100
58 177.1 30.4 45.6#

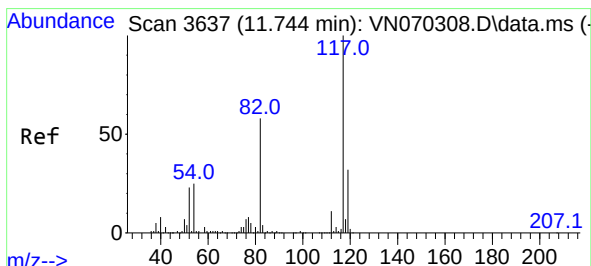
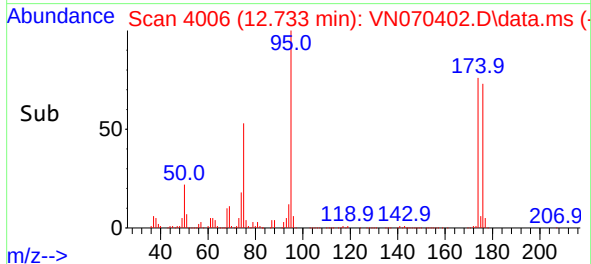
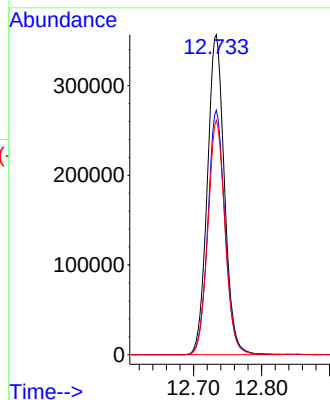
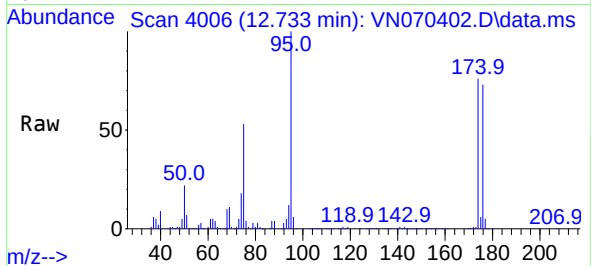




#62
4-Bromofluorobenzene
Concen: 42.492 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

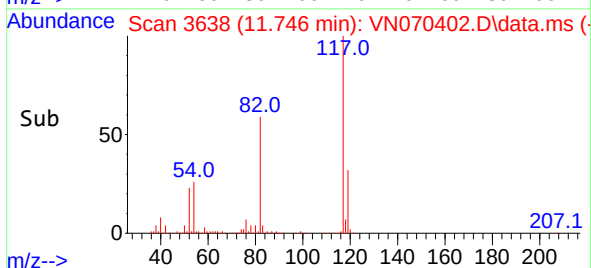
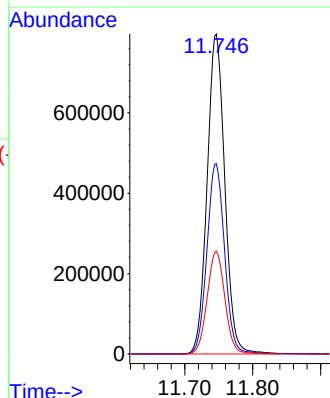
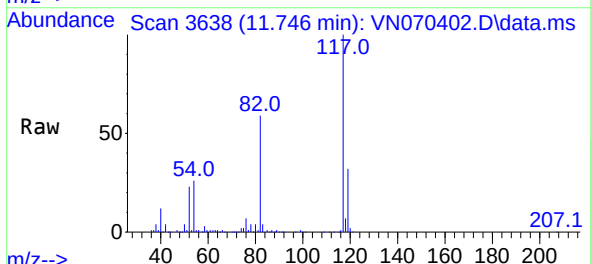
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

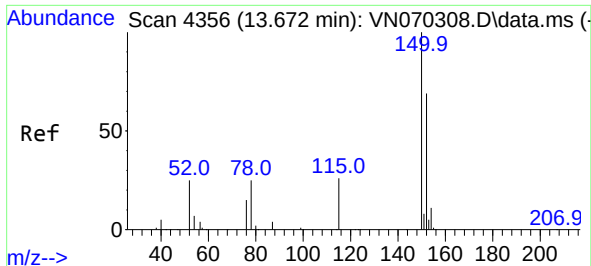
Tgt Ion: 95 Resp: 623650
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 117 Resp: 1440107
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.1 25.4 38.2

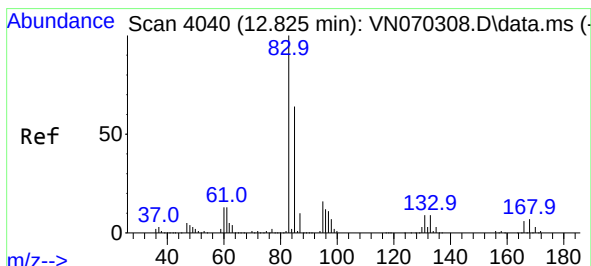
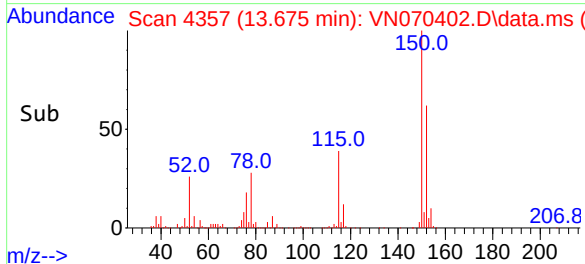
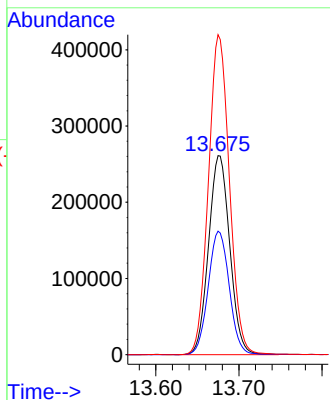
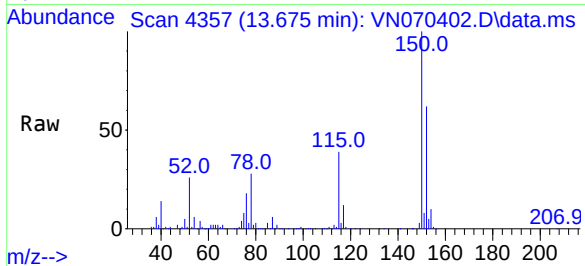




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070402.D
 Acq: 30 Dec 2021 16:24

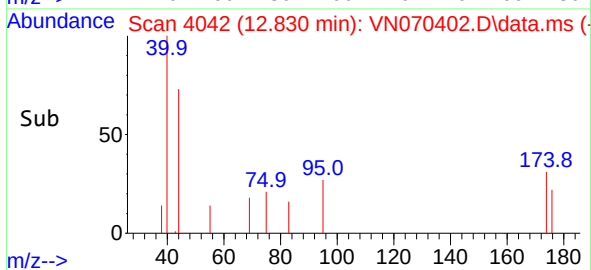
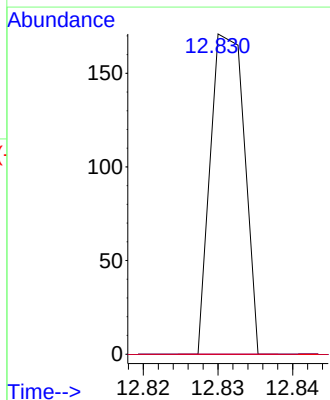
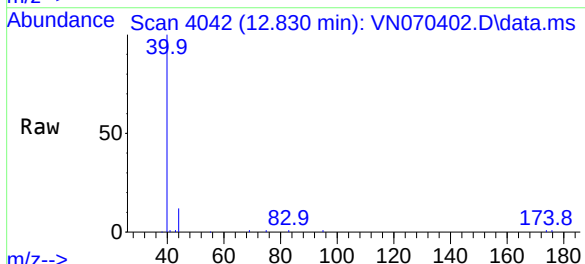
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

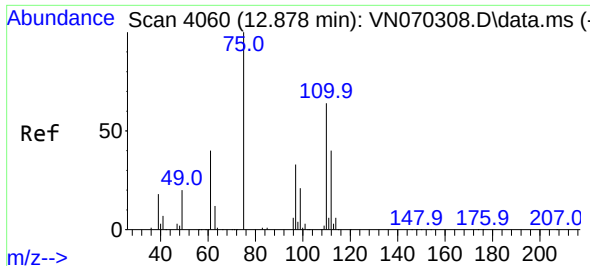
Tgt Ion:152 Resp: 463468
 Ion Ratio Lower Upper
 152 100
 115 61.6 27.5 82.5
 150 158.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.450 ug/l
 RT: 12.830 min Scan# 4042
 Delta R.T. 0.005 min
 Lab File: VN070402.D
 Acq: 30 Dec 2021 16:24

Tgt Ion: 83 Resp: 54
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

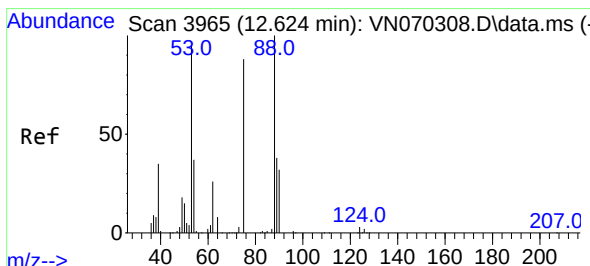
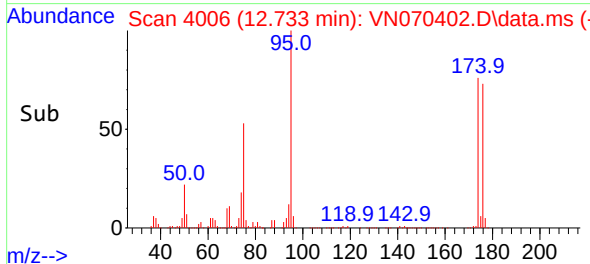
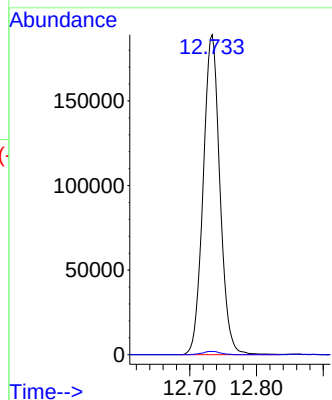
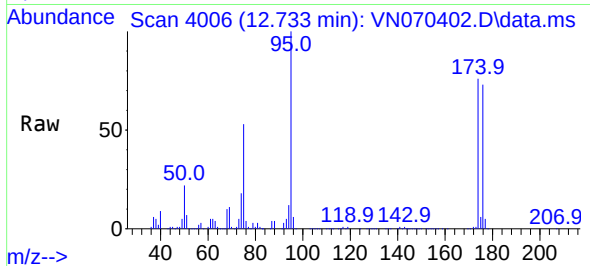




#76
1,2,3-Trichloropropane
Concen: 25.453 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

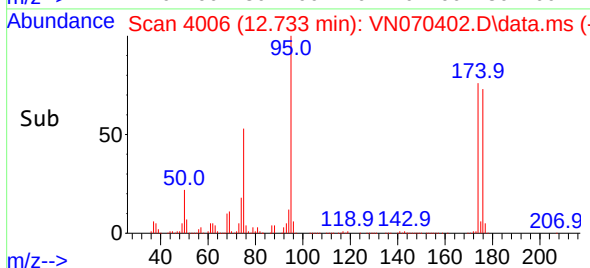
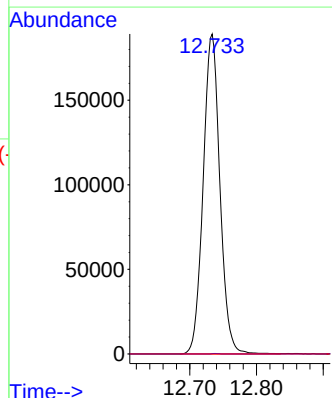
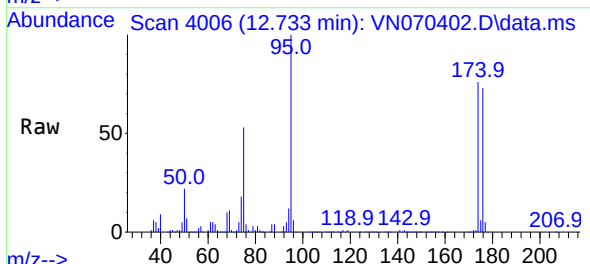
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

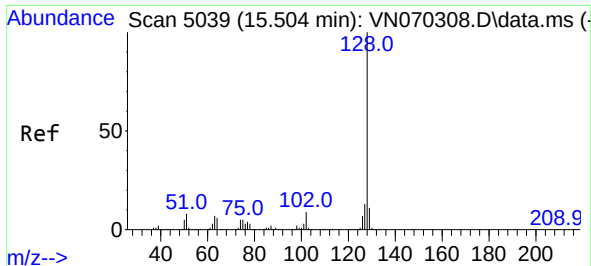
Tgt Ion: 75 Resp: 329763
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.930 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion: 75 Resp: 329763
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

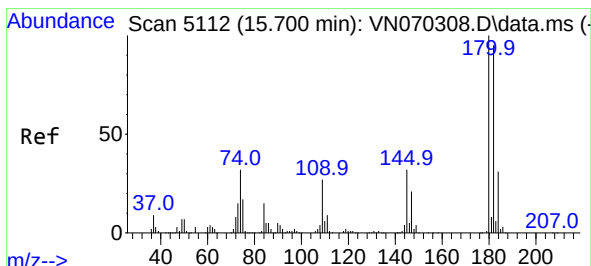
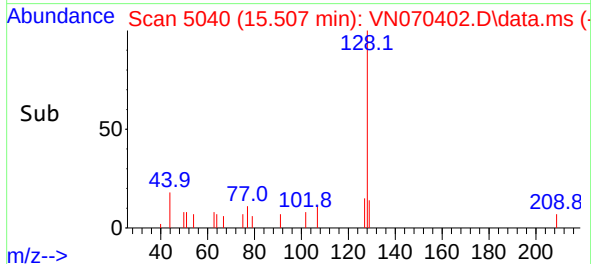
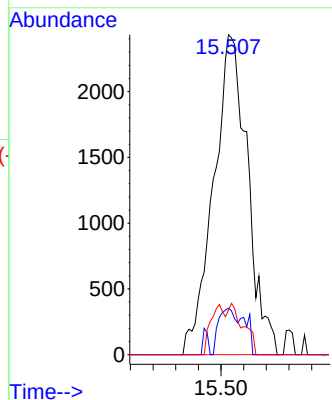
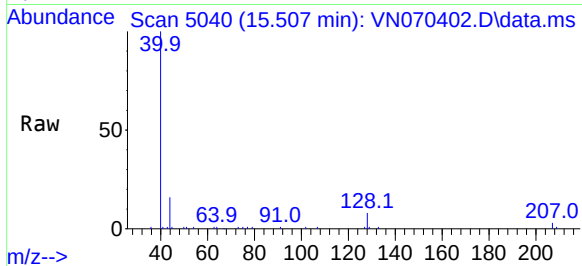




#95
Naphthalene
Concen: 2.029 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:	128	Resp:	5075
Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.5	15.7#
129	6.6	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.865 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070402.D
Acq: 30 Dec 2021 16:24

Tgt Ion:	180	Resp:	286
Ion	Ratio	Lower	Upper
180	100		
182	69.9	47.4	142.2
145	0.0	15.0	45.1#

