

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070771.D
 Acq On : 20 Oct 2021 13:01
 Operator : VA/SY
 Sample : M4287-01
 Misc : 5.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EXC-SOIL-A

Quant Time: Oct 21 05:37:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

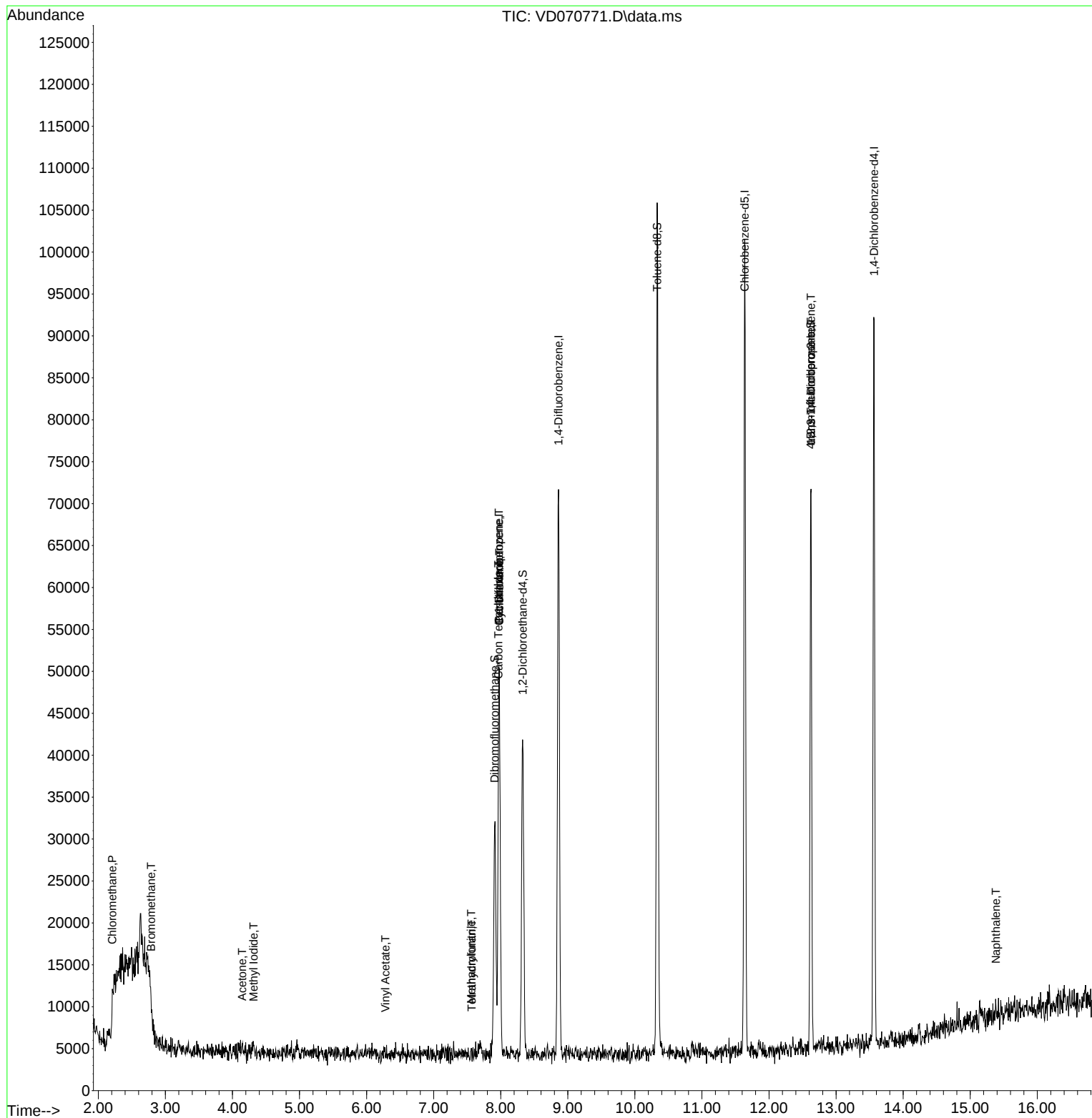
Internal Standards						
1) Pentafluorobenzene	7.973	168	30371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	55309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	53213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	22723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	30889	85.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 171.740%#	
35) Dibromofluoromethane	7.908	113	19508	55.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.160%	
50) Toluene-d8	10.332	98	68405	50.388	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	12.620	95	23270	49.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.560%	
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	1381	2.621	ug/l #	88
5) Bromomethane	2.785	94	2386	7.247	ug/l #	52
10) Methyl Iodide	4.315	142	1551	7.143	ug/l #	80
16) Acetone	4.144	43	576	6.639	ug/l #	40
20) Methylene Chloride	4.944	84	441	Below Cal	#	59
23) Vinyl Acetate	6.279	43	61	16.417	ug/l #	69
29) Tetrahydrofuran	7.567	42	92	1.402	ug/l #	29
31) Cyclohexane	7.979	56	1262	1.734	ug/l #	35
36) 1,1-Dichloropropene	7.973	75	3590	5.827	ug/l #	42
38) Carbon Tetrachloride	7.967	117	3825	6.481	ug/l #	12
41) Methacrylonitrile	7.561	41	126	2.696	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	11429	58.217	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	11429	127.513	ug/l #	17
95) Naphthalene	15.385	128	131	4.954	ug/l #	69

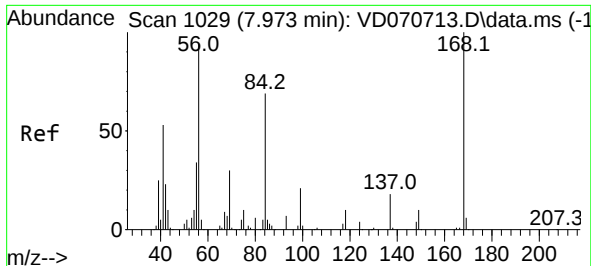
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
Data File : VD070771.D
Acq On : 20 Oct 2021 13:01
Operator : VA/SY
Sample : M4287-01
Misc : 5.26G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

Quant Time: Oct 21 05:37:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

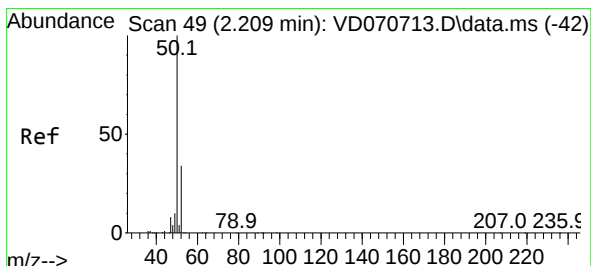
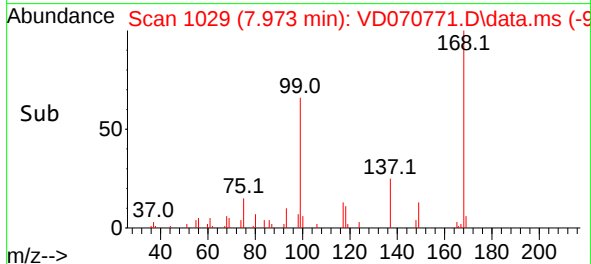
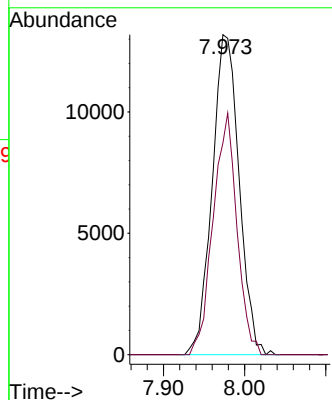
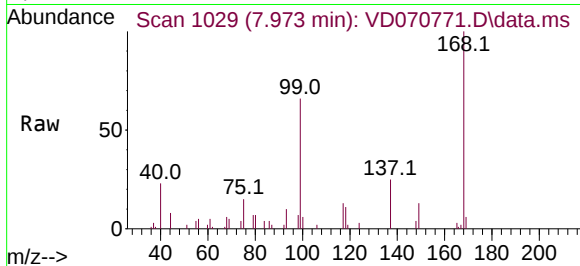




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

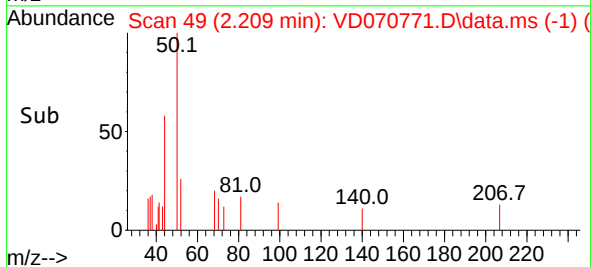
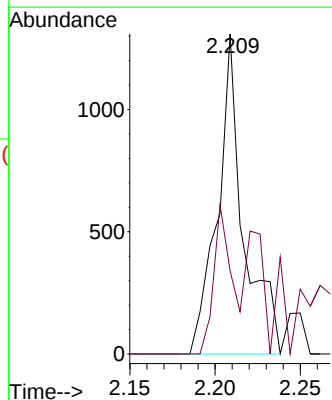
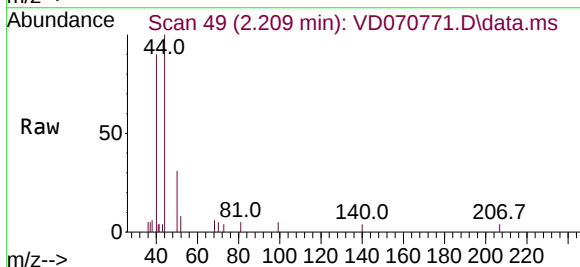
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

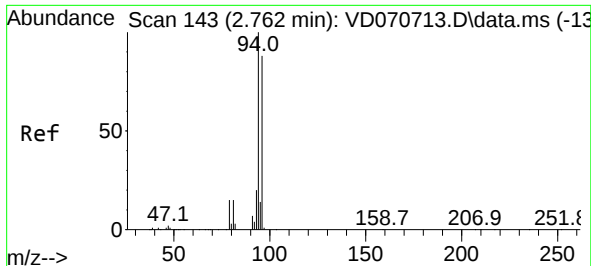
Tgt Ion:168 Resp: 30371
Ion Ratio Lower Upper
168 100
99 66.2 51.4 77.0



#3
Chloromethane
Concen: 2.621 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 50 Resp: 1381
Ion Ratio Lower Upper
50 100
52 26.0 26.0 39.0#

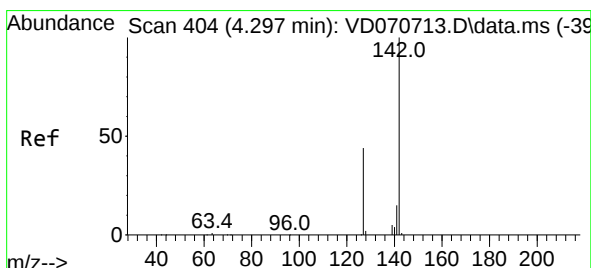
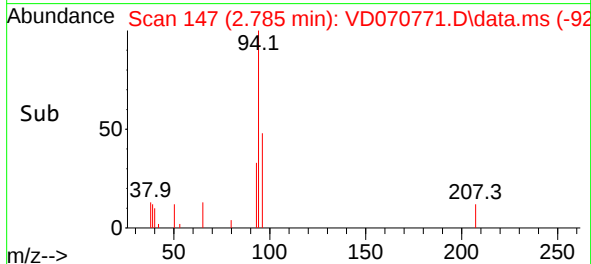
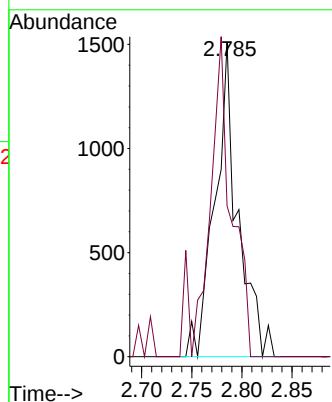
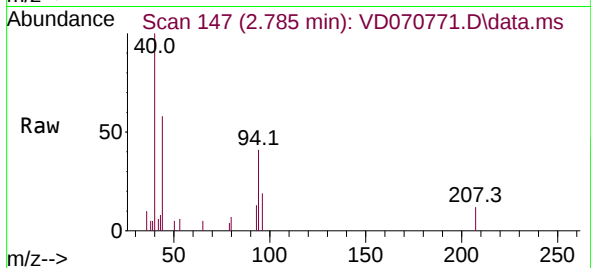




#5
Bromomethane
Concen: 7.247 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.024 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

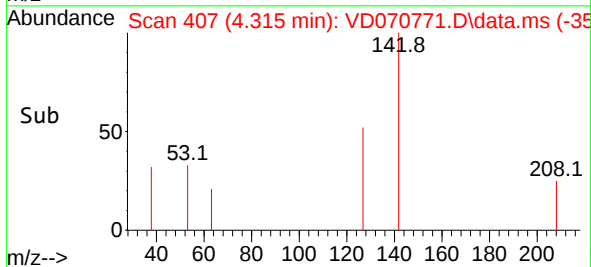
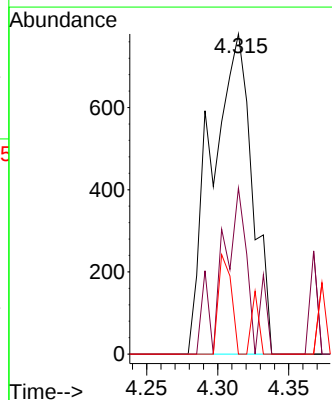
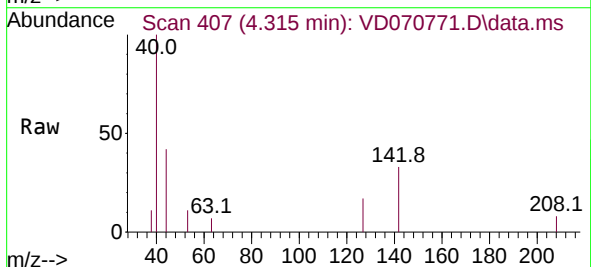
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

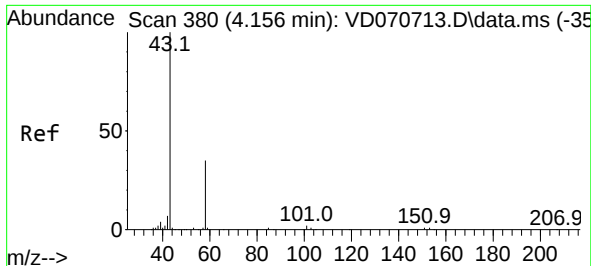
Tgt Ion: 94 Resp: 2386
Ion Ratio Lower Upper
94 100
96 47.9 75.5 113.3#



#10
Methyl Iodide
Concen: 7.143 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 142 Resp: 1551
Ion Ratio Lower Upper
142 100
127 35.3 37.5 56.3#
141 3.5 12.1 18.1#

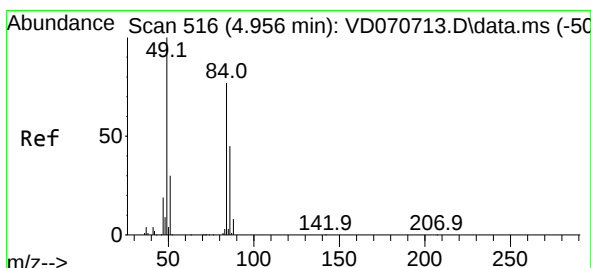
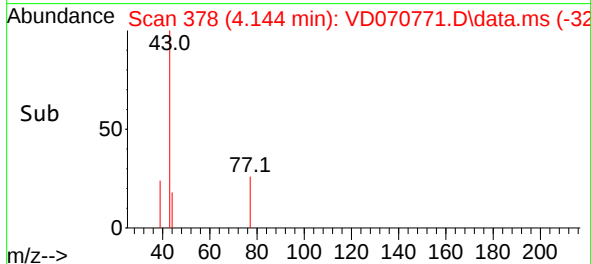
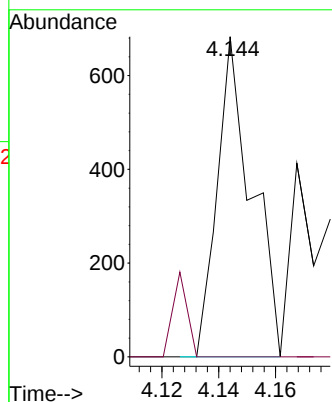
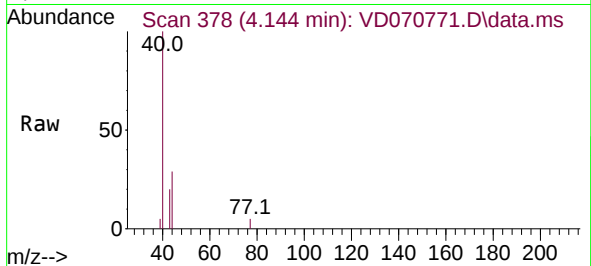




#16
Acetone
Concen: 6.639 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

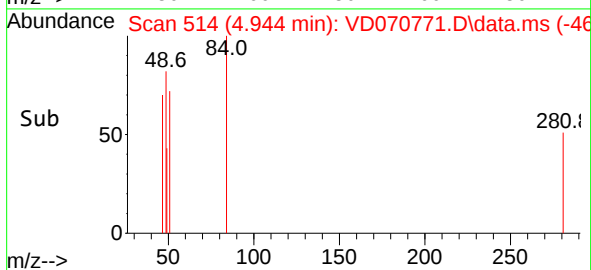
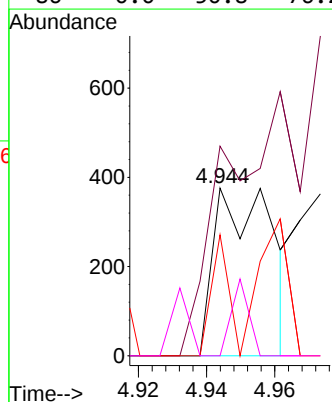
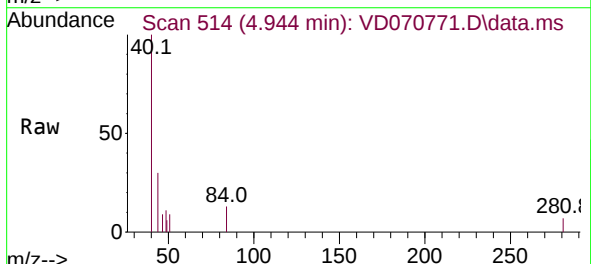
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

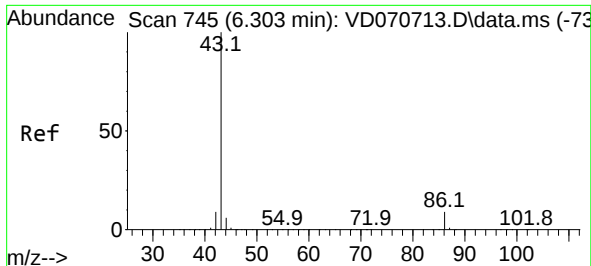
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 84 Resp: 441
Ion Ratio Lower Upper
84 100
49 125.0 91.4 137.2
51 72.1 26.7 40.1#
86 0.0 50.8 76.2#

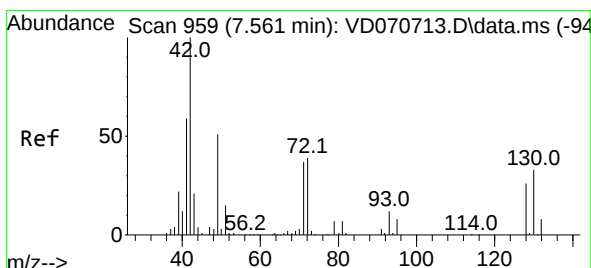
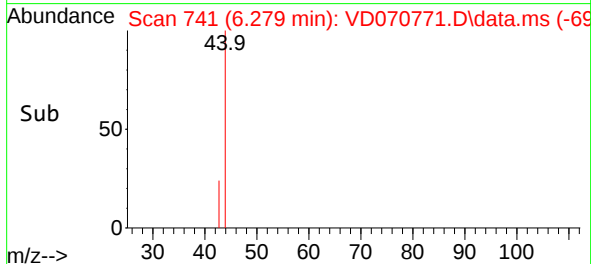
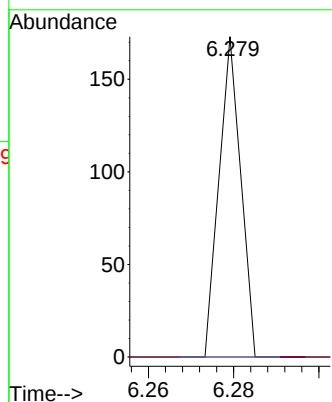
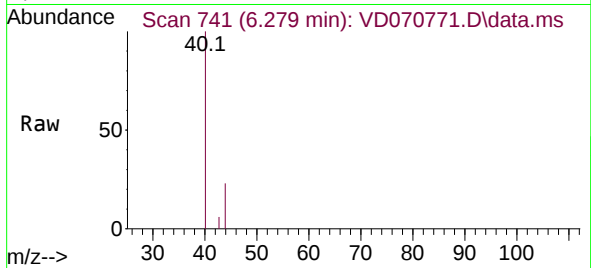




#23
 Vinyl Acetate
 Concen: 16.417 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.024 min
 Lab File: VD070771.D
 Acq: 20 Oct 2021 13:01

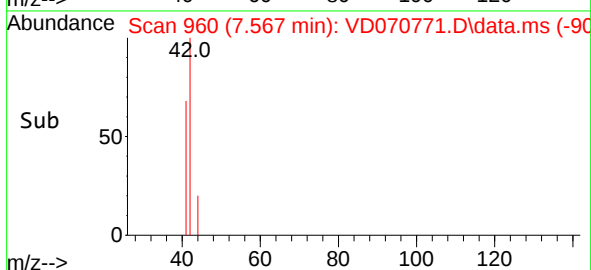
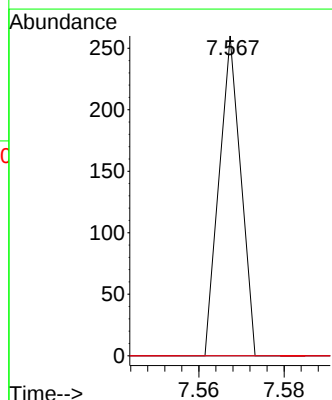
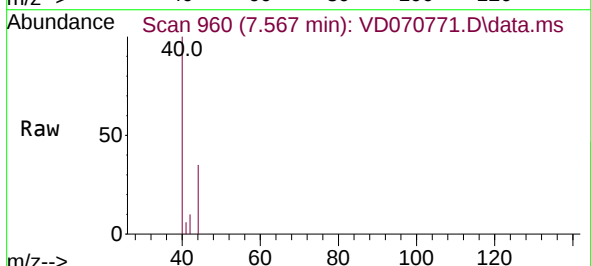
Instrument :
 MSVOA_D
 ClientSampleId :
 EXC-SOIL-A

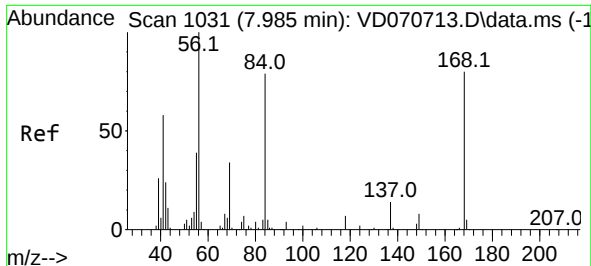
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#29
 Tetrahydrofuran
 Concen: 1.402 ug/l
 RT: 7.567 min Scan# 960
 Delta R.T. 0.006 min
 Lab File: VD070771.D
 Acq: 20 Oct 2021 13:01

Tgt Ion: 42 Resp: 92
 Ion Ratio Lower Upper
 42 100
 72 0.0 40.2 60.4#
 71 0.0 37.2 55.8#

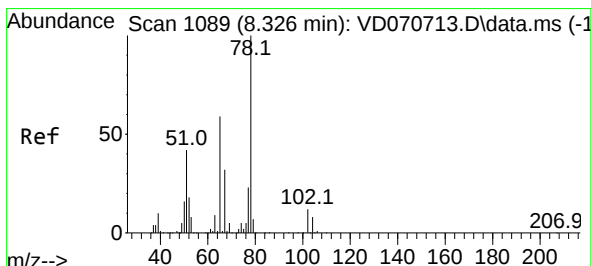
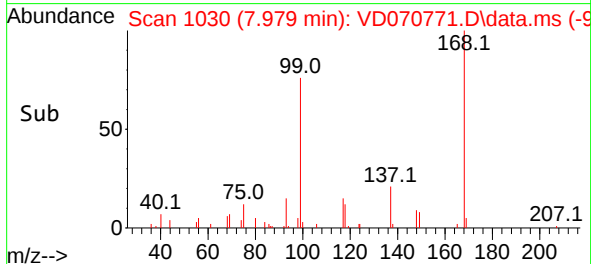
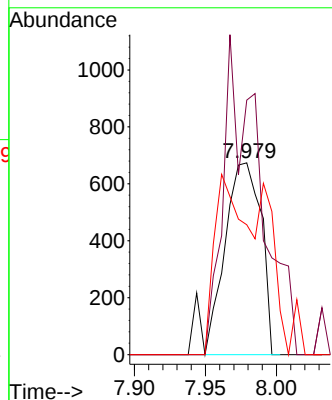
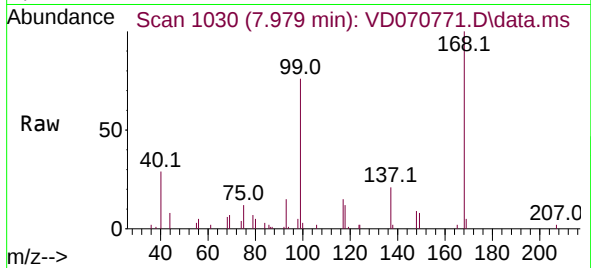




#31
Cyclohexane
Concen: 1.734 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

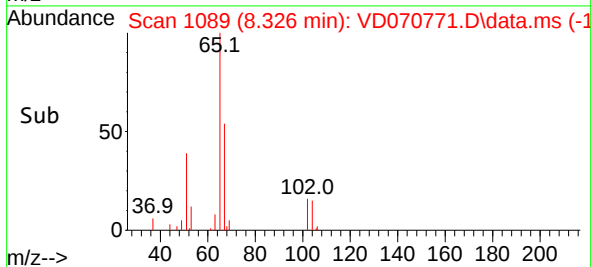
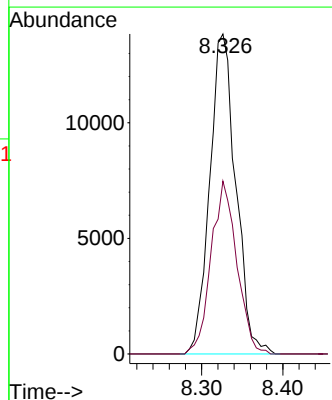
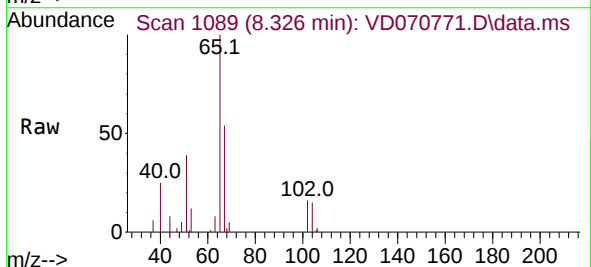
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

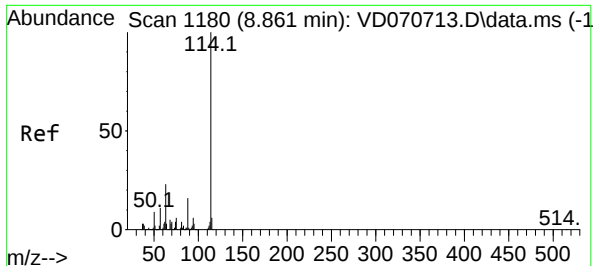
Tgt Ion: 56 Resp: 1262
Ion Ratio Lower Upper
56 100
69 132.6 27.4 41.2#
84 67.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 85.869 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 65 Resp: 30889
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

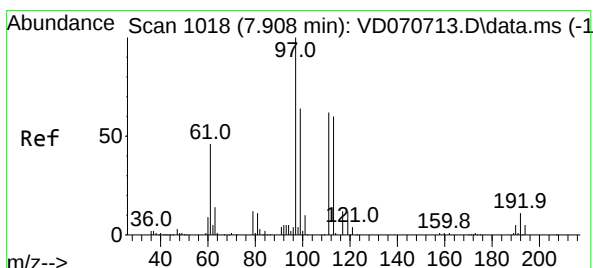
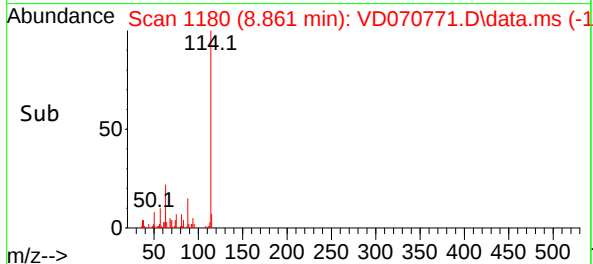
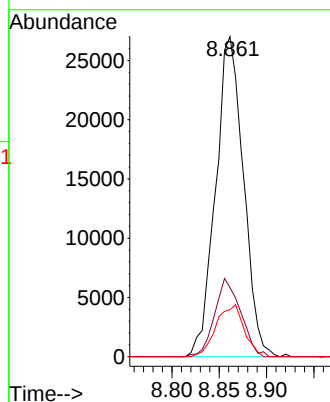
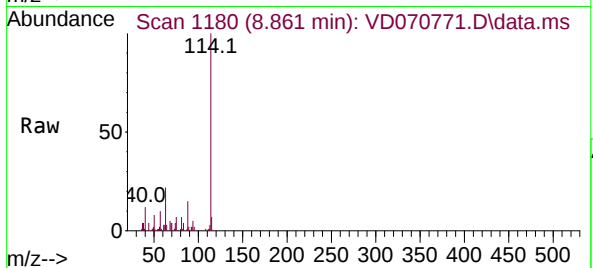
Delta R.T. 0.000 min

Lab File: VD070771.D

Acq: 20 Oct 2021 13:01

Tgt Ion:	114	Resp:	55309
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	41.8
88	14.6	0.0	32.6

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A



#35

Dibromofluoromethane

Concen: 55.084 ug/l

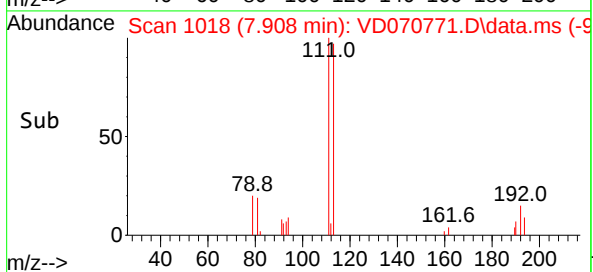
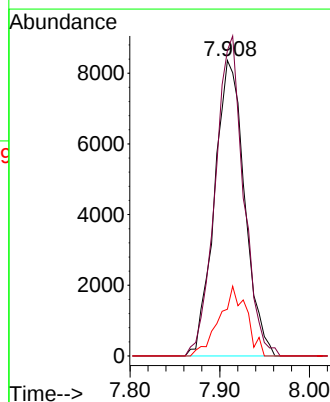
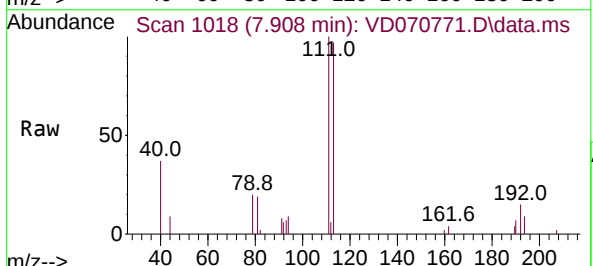
RT: 7.908 min Scan# 1018

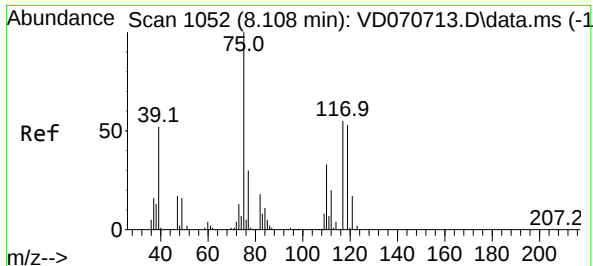
Delta R.T. 0.000 min

Lab File: VD070771.D

Acq: 20 Oct 2021 13:01

Tgt Ion:	113	Resp:	19508
Ion Ratio	Lower	Upper	
113	100		
111	101.9	83.1	124.7
192	21.4	12.7	19.1#

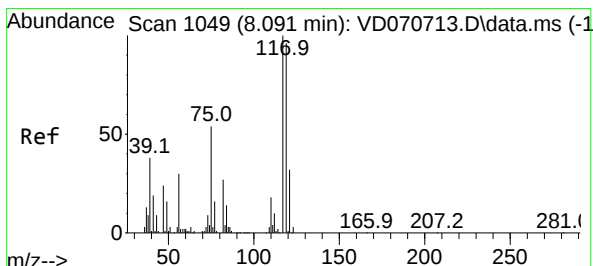
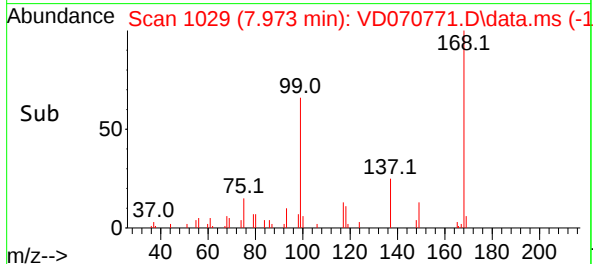
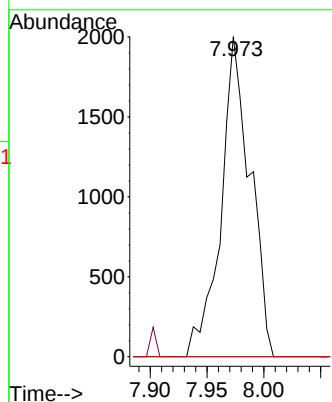
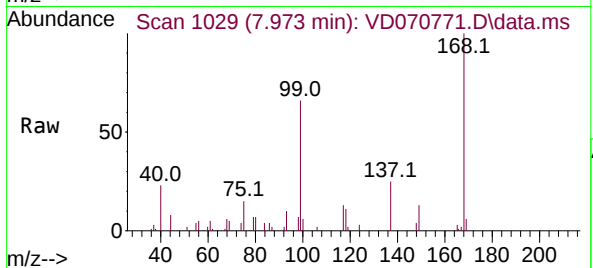




#36
1,1-Dichloropropene
Concen: 5.827 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

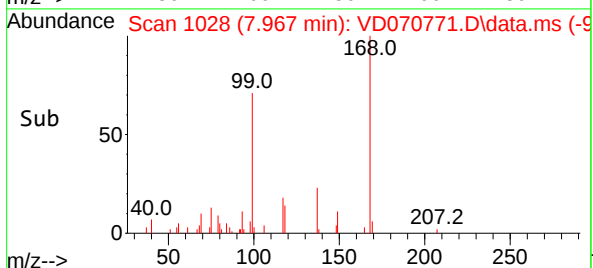
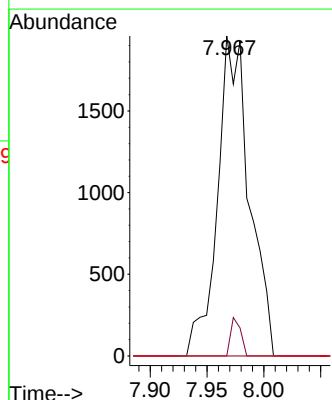
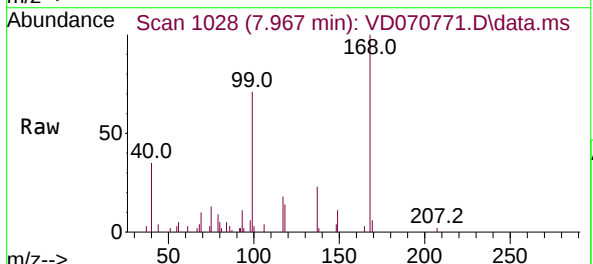
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

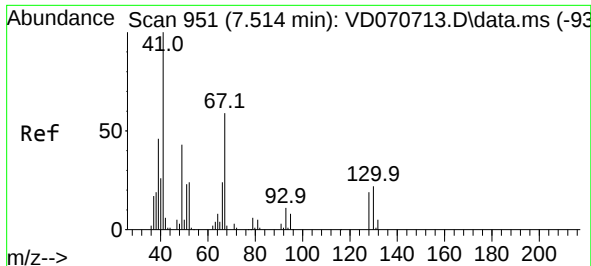
Tgt Ion: 75 Resp: 3590
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.481 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 117 Resp: 3825
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

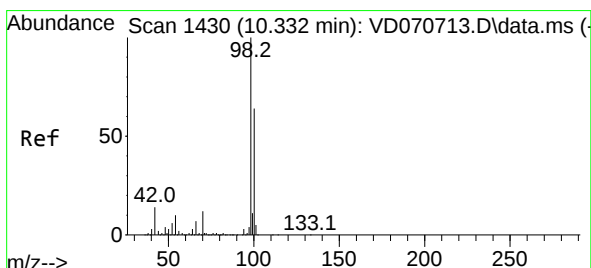
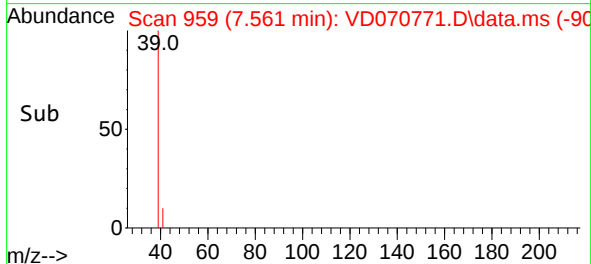
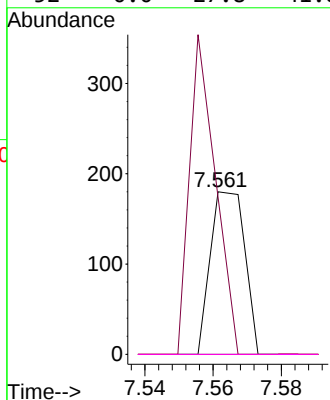
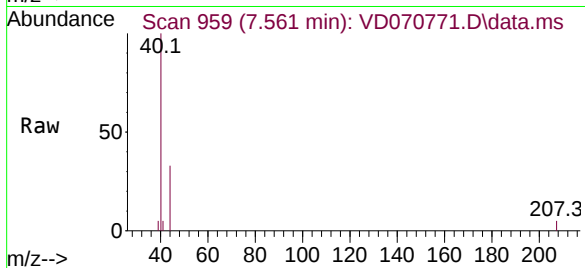




#41
Methacrylonitrile
Concen: 2.696 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.047 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

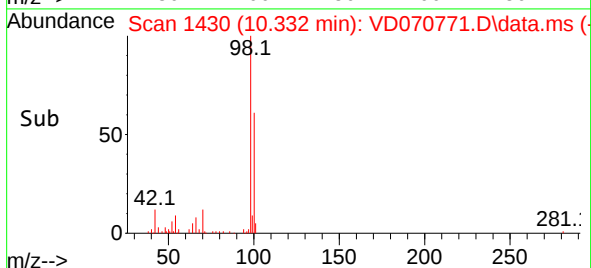
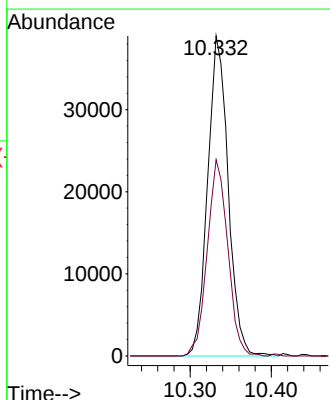
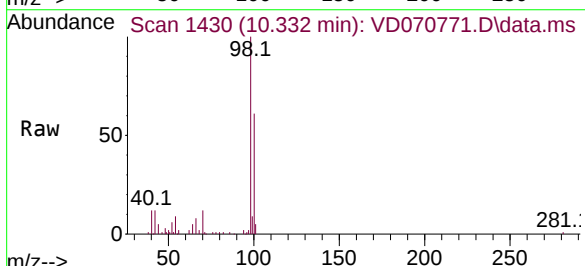
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

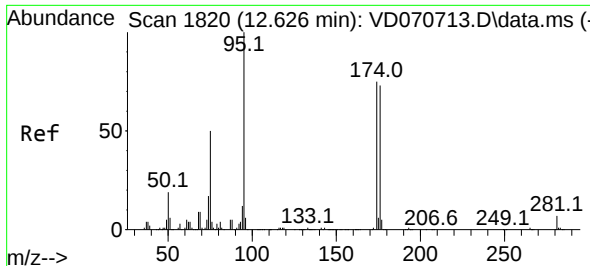
Tgt Ion:	41	Resp:	126
Ion	Ratio	Lower	Upper
41	100		
39	147.6	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion:	98	Resp:	68405
Ion	Ratio	Lower	Upper
98	100		
100	61.4	52.2	78.4

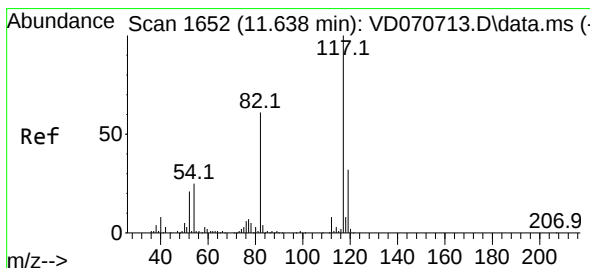
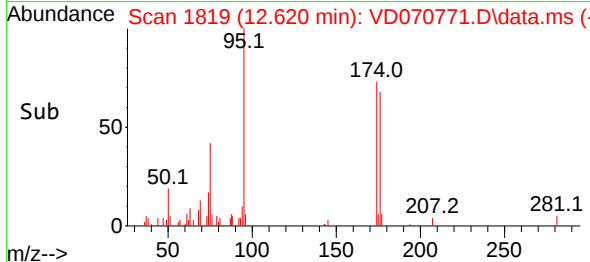
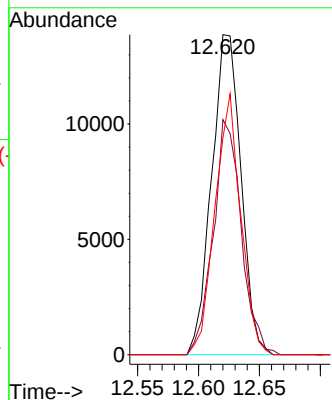
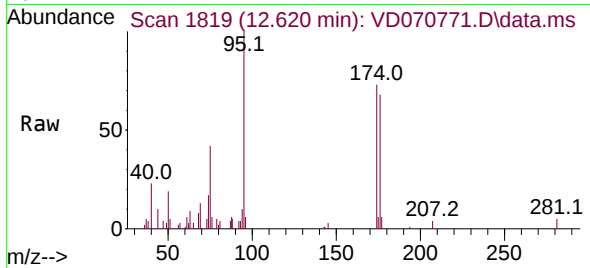




#62
4-Bromofluorobenzene
Concen: 49.781 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

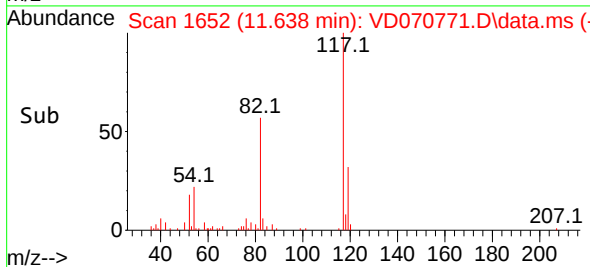
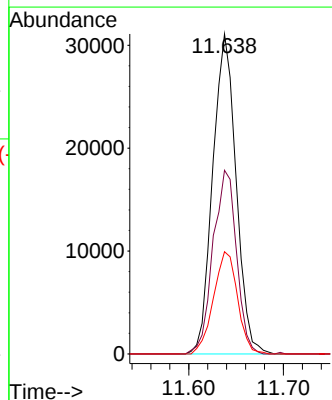
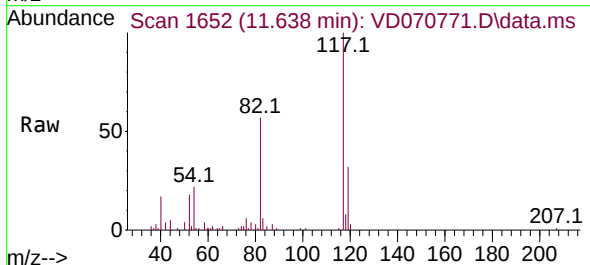
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

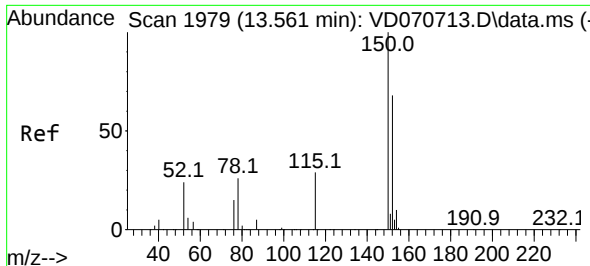
Tgt Ion:	95	Resp:	23270
Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	138.0
176	71.6	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion:	117	Resp:	53213
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.4	68.2
119	31.9	24.7	37.1

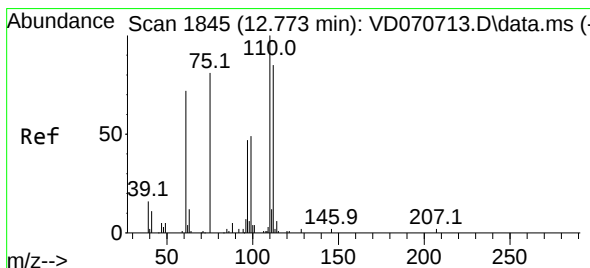
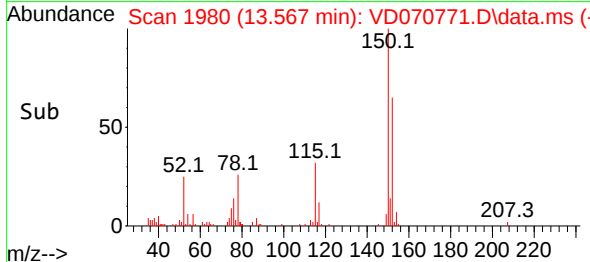
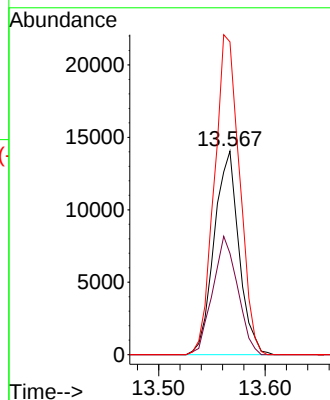
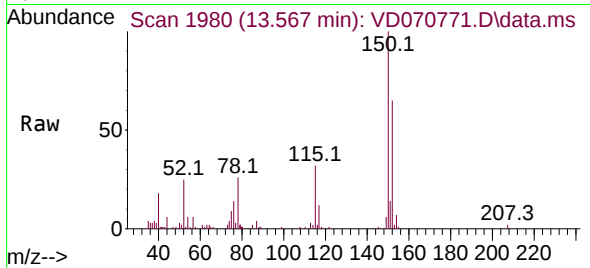




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

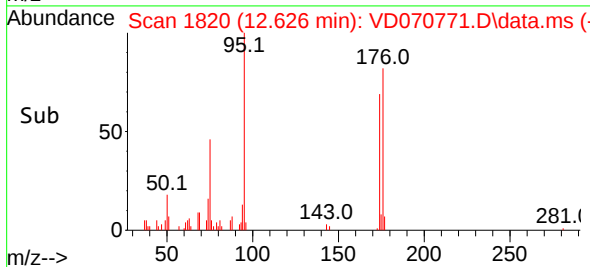
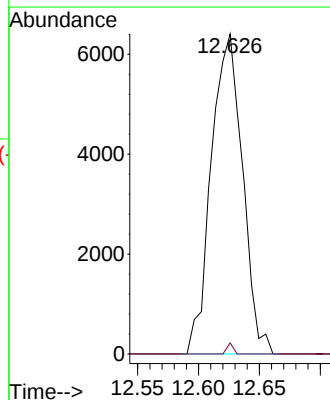
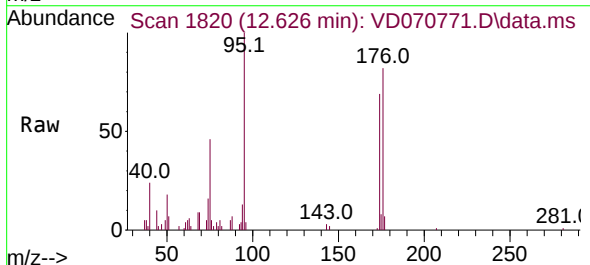
Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

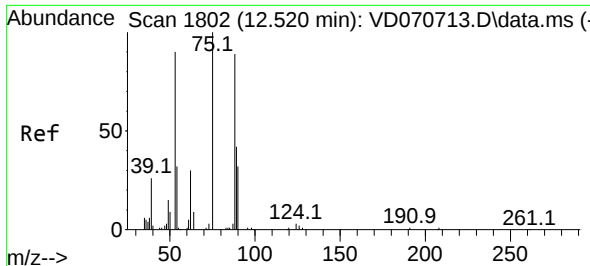
Tgt Ion:152 Resp: 22723
Ion Ratio Lower Upper
152 100
115 58.4 31.9 95.7
150 159.7 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 58.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 75 Resp: 11429
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

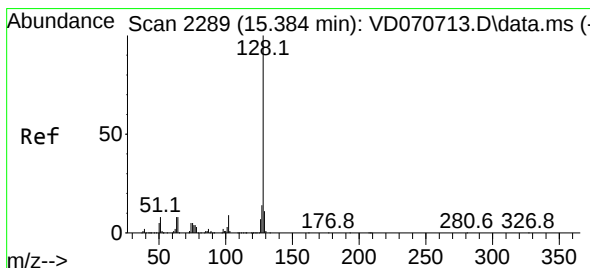
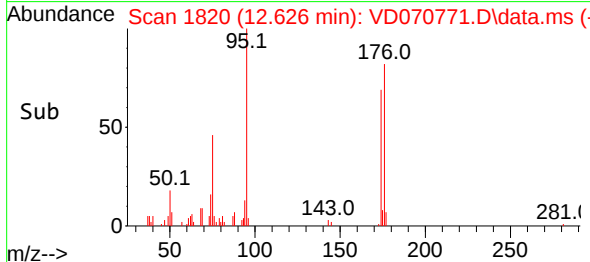
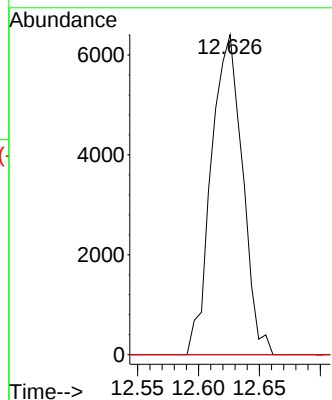
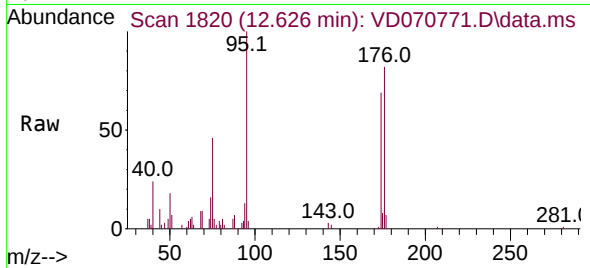




#81
trans-1,4-Dichloro-2-butene
Concen: 127.513 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Instrument :
MSVOA_D
ClientSampleId :
EXC-SOIL-A

Tgt Ion: 75 Resp: 11429
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 4.954 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070771.D
Acq: 20 Oct 2021 13:01

Tgt Ion: 128 Resp: 131
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

