

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074668.D
 Acq On : 28 Oct 2022 13:40
 Operator : VA/SY
 Sample : N5283-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IRV-SOIL-1025

Quant Time: Oct 29 02:14:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

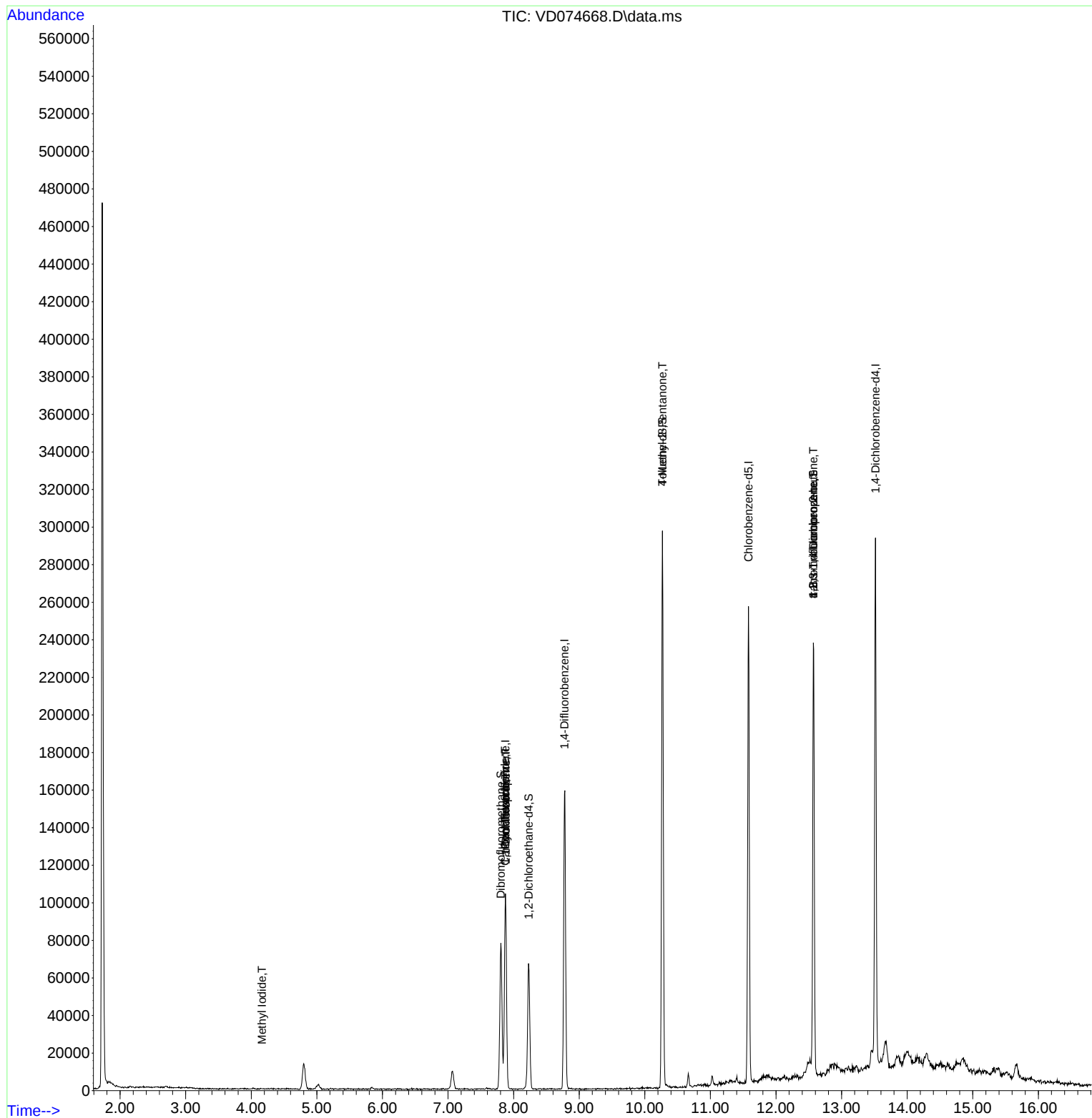
Internal Standards						
1) Pentafluorobenzene	7.875	168	84216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	159916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	77798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52010	73.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.340%	
35) Dibromofluoromethane	7.805	113	56845	59.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.560%	
50) Toluene-d8	10.269	98	214791	58.739	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.480%	
62) 4-Bromofluorobenzene	12.569	95	72753	72.444	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 144.880%#	
Target Compounds						Qvalue
3) Chloromethane	2.140	50	565	Below Cal	#	37
10) Methyl Iodide	4.164	142	197	5.610	ug/l #	43
11) Tert butyl alcohol	5.016	59	2501	Below Cal	#	84
16) Acetone	4.034	43	530	Below Cal	#	54
20) Methylene Chloride	4.799	84	11811	Below Cal	#	89
25) 2-Butanone	7.075	43	173	Below Cal	#	42
31) Cyclohexane	7.875	56	1501	1.152	ug/l #	46
36) 1,1-Dichloropropene	7.881	75	5697	4.205	ug/l #	49
38) Carbon Tetrachloride	7.869	117	7758	6.162	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	872	2.165	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	35293	58.004	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	35293	153.510	ug/l #	18

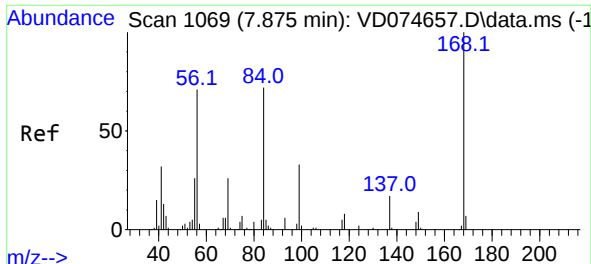
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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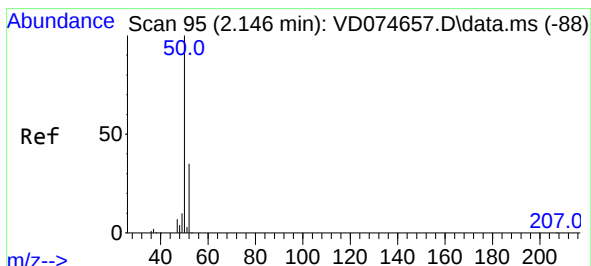
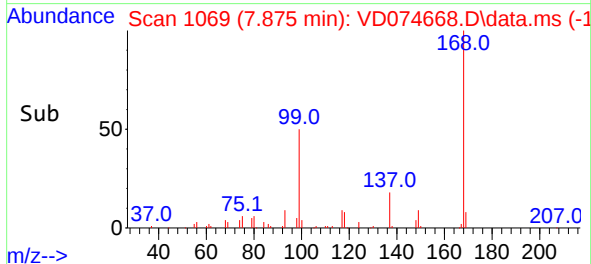
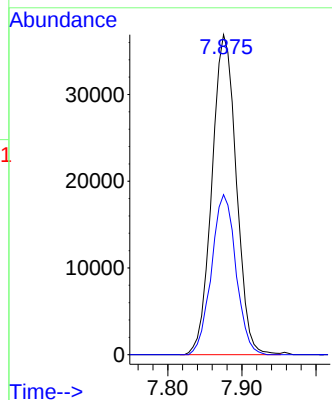
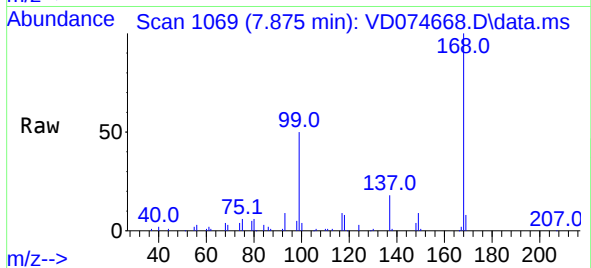




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

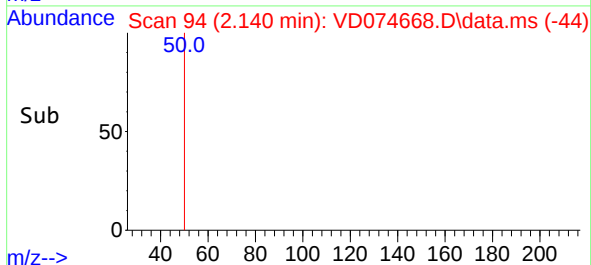
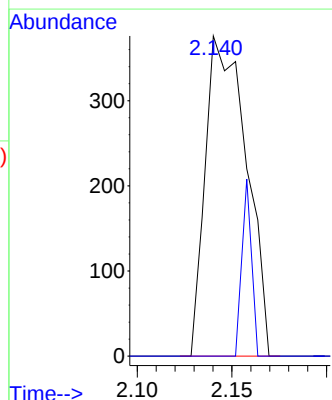
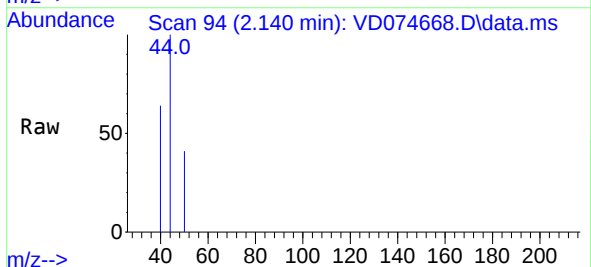
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

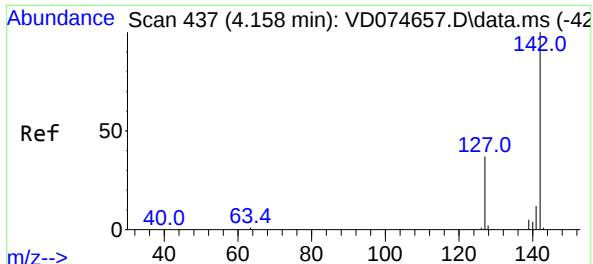
Tgt Ion:168 Resp: 84216
Ion Ratio Lower Upper
168 100
99 50.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 50 Resp: 565
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

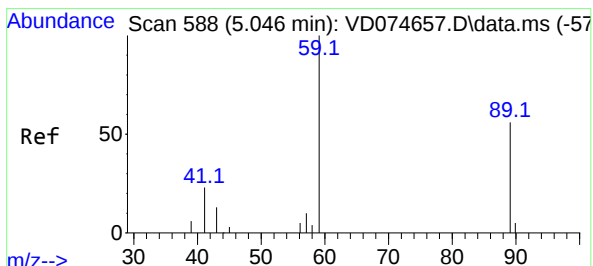
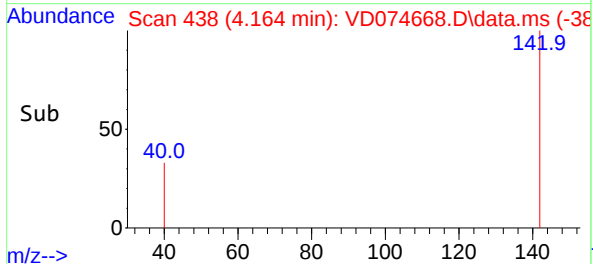
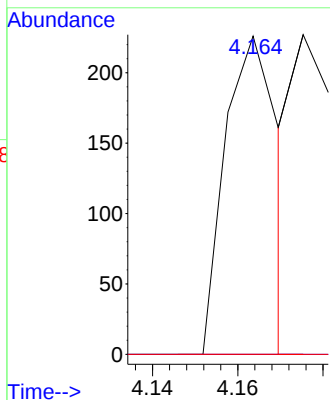
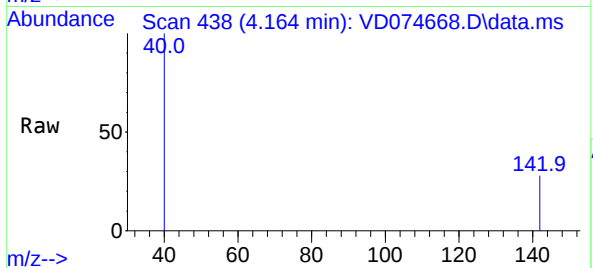




#10
Methyl Iodide
Concen: 5.610 ug/l
RT: 4.164 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

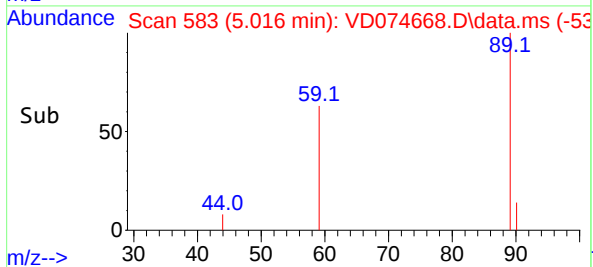
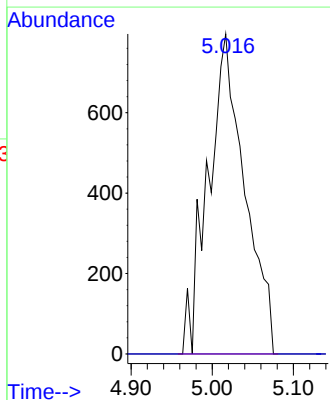
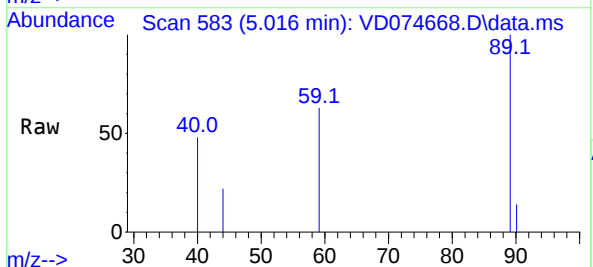
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

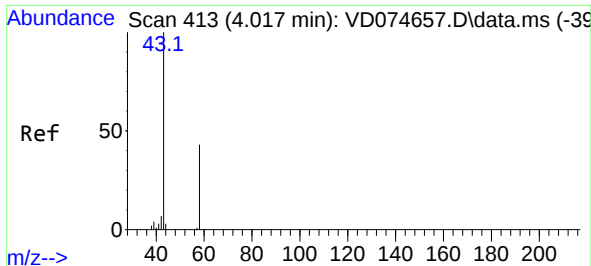
Tgt Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 583
Delta R.T. -0.030 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 59 Resp: 2501
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

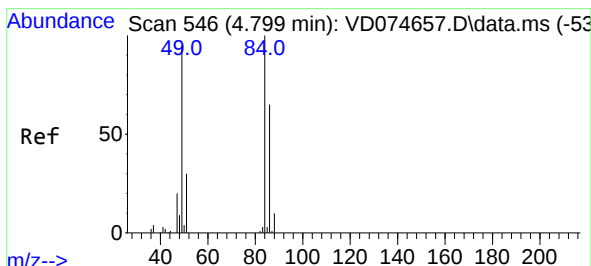
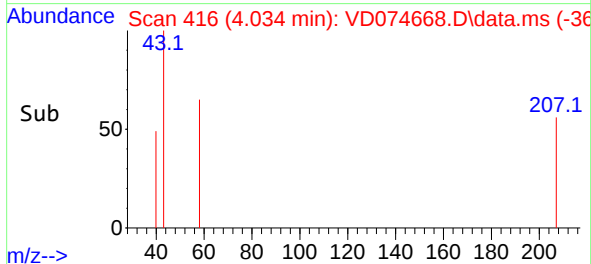
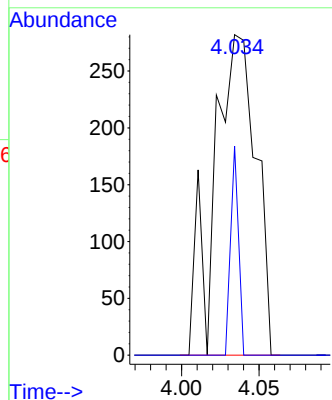
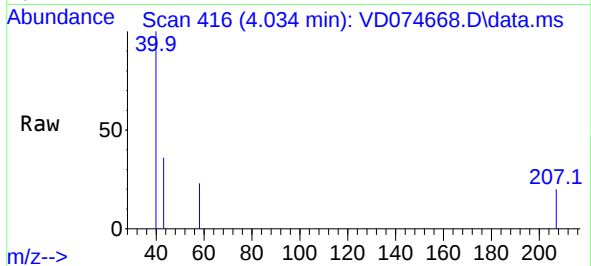




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 413
Delta R.T. 0.017 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

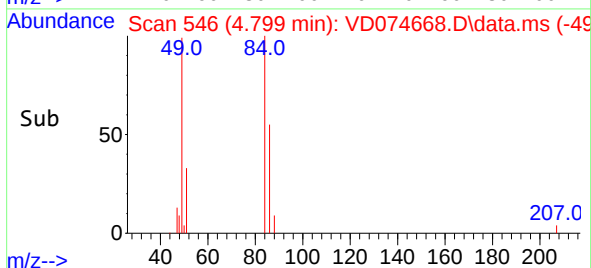
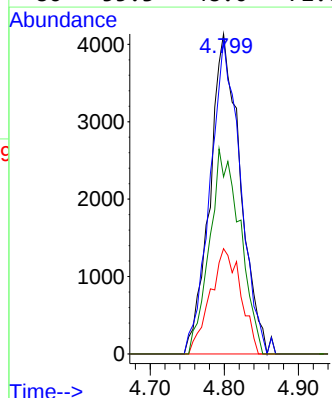
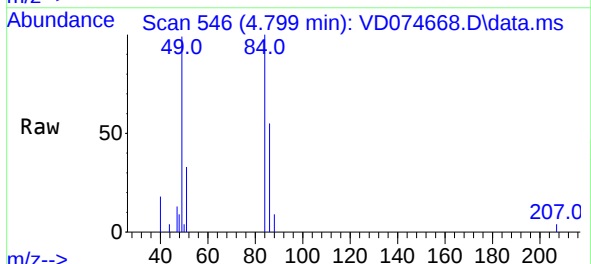
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

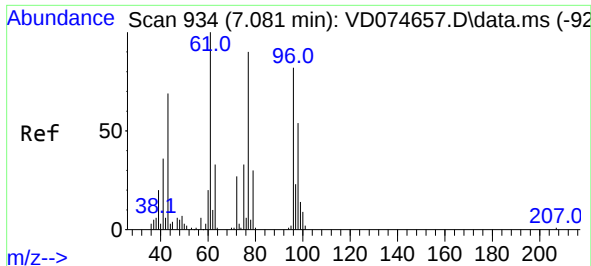
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 65.2 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 84 Resp: 11811
Ion Ratio Lower Upper
84 100
49 98.5 68.0 102.0
51 32.9 23.2 34.8
86 55.3 48.0 72.0

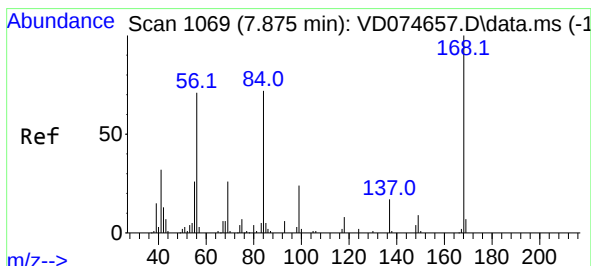
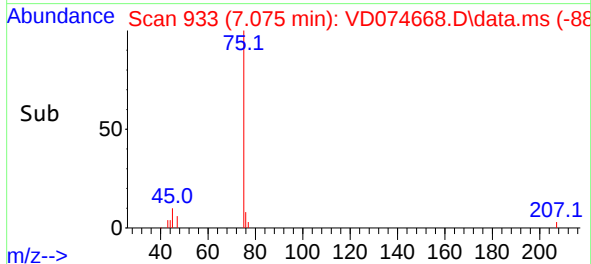
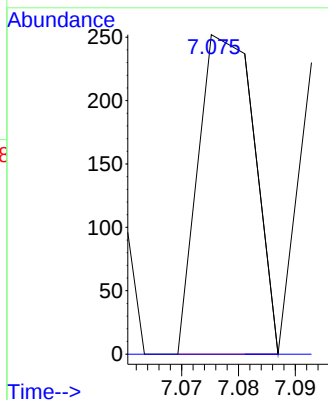
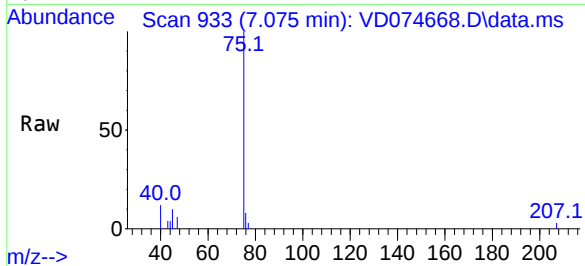




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

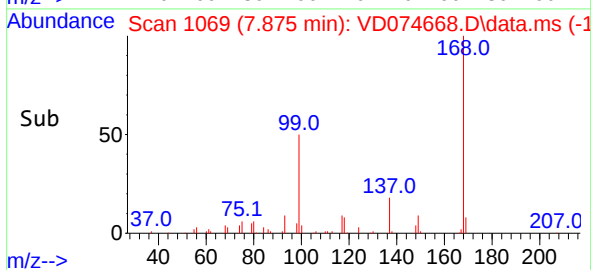
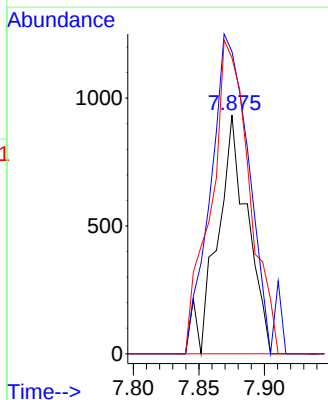
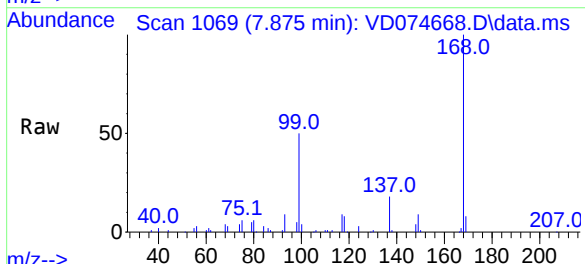
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

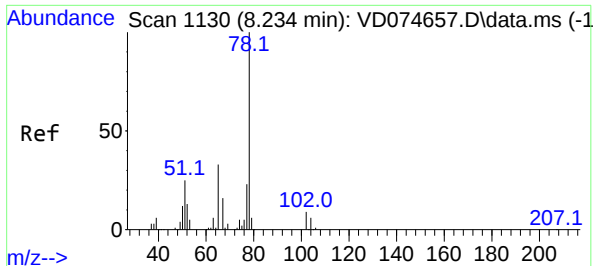
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 56 Resp: 1501
Ion Ratio Lower Upper
56 100
69 126.6 29.2 43.8#
84 124.0 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 73.171 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074668.D

Acq: 28 Oct 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

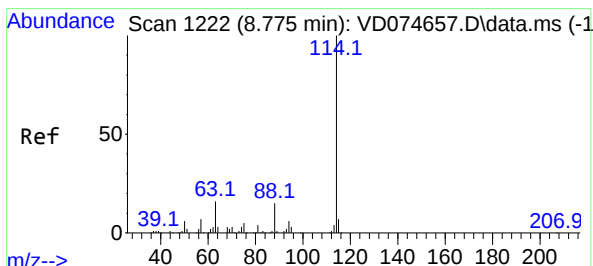
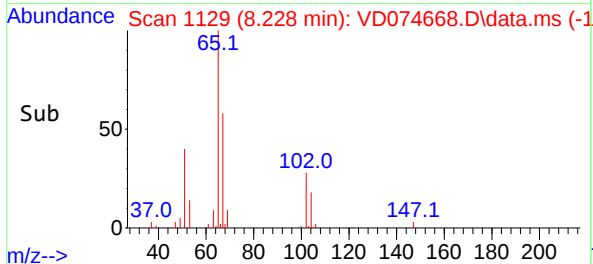
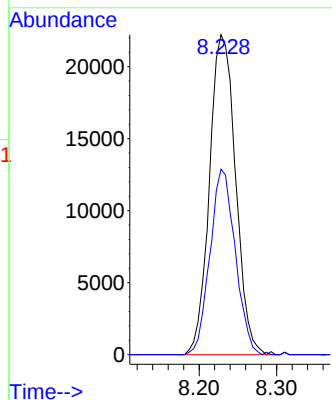
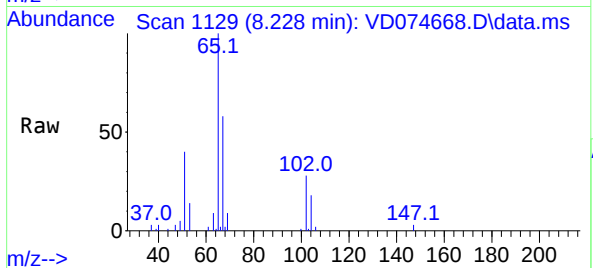
IRV-SOIL-1025

Tgt Ion: 65 Resp: 52010

Ion Ratio Lower Upper

65 100

67 56.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074668.D

Acq: 28 Oct 2022 13:40

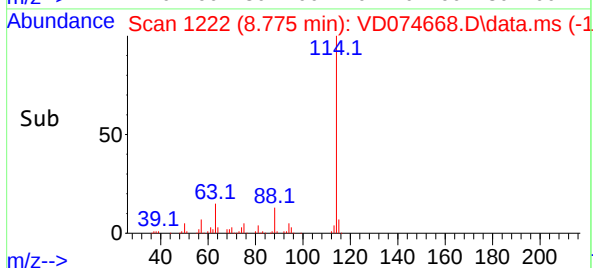
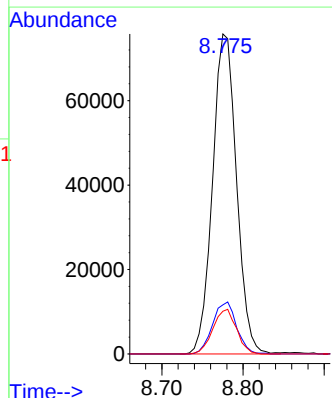
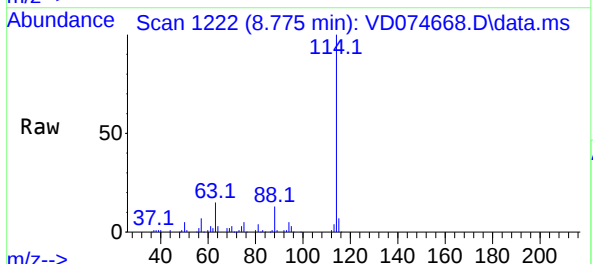
Tgt Ion: 114 Resp: 155718

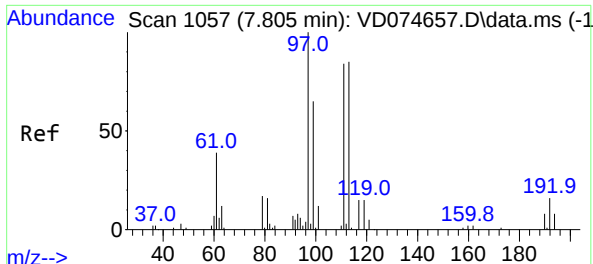
Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.2

88 13.3 0.0 28.2

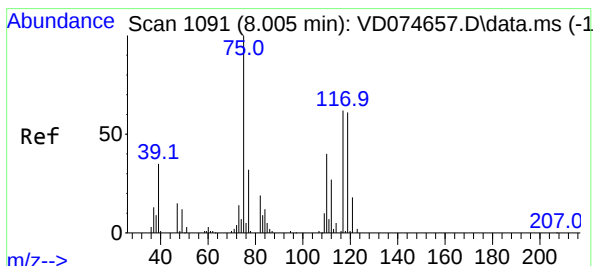
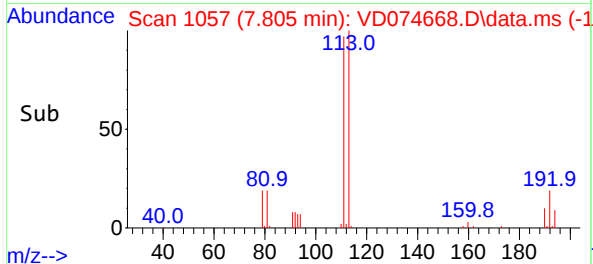
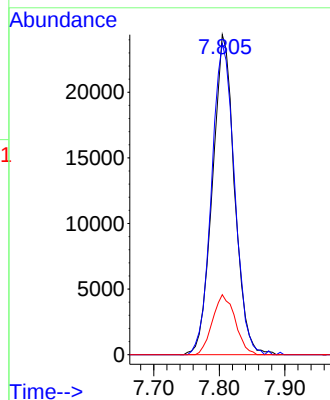
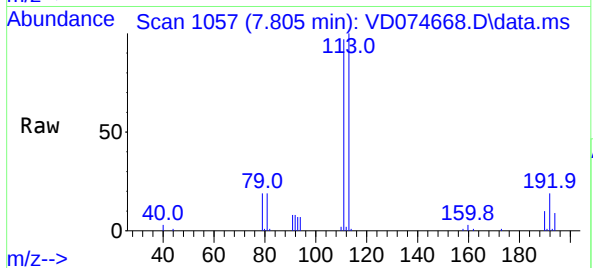




#35
Dibromofluoromethane
Concen: 59.783 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

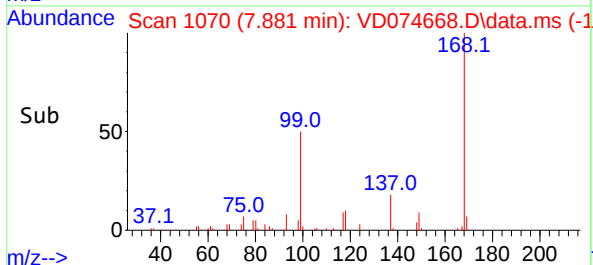
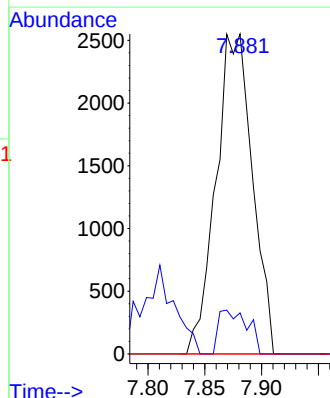
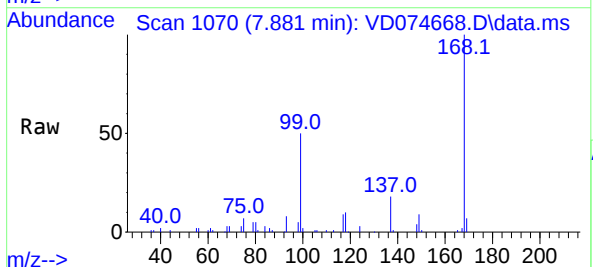
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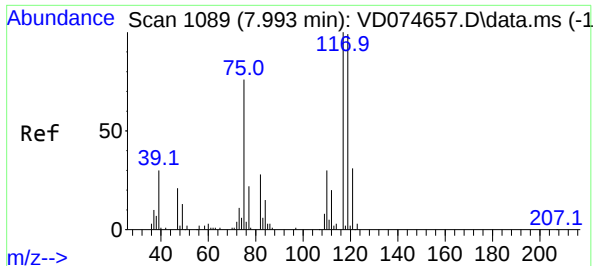
Tgt Ion:	113	Resp:	56845
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.3	123.5
192	19.3	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion:	75	Resp:	5697
Ion	Ratio	Lower	Upper
75	100		
110	10.9	19.7	59.0#
77	0.0	25.4	38.2#

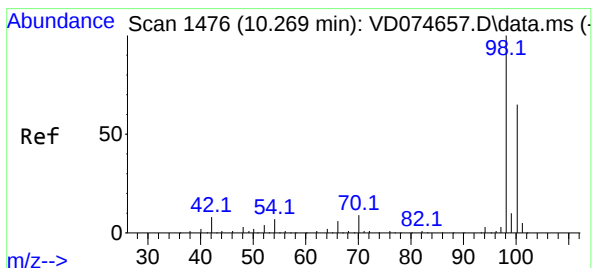
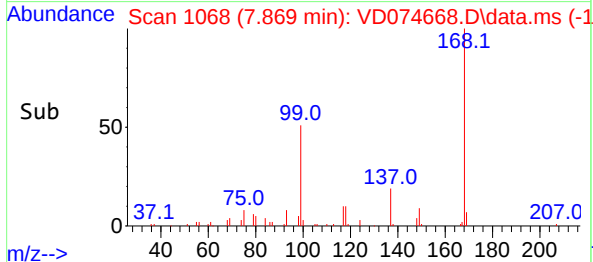
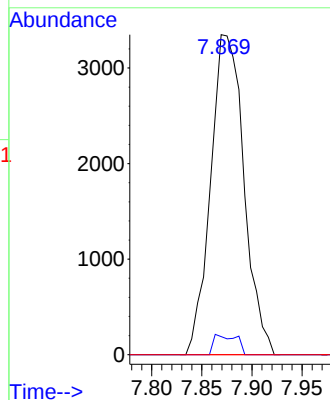
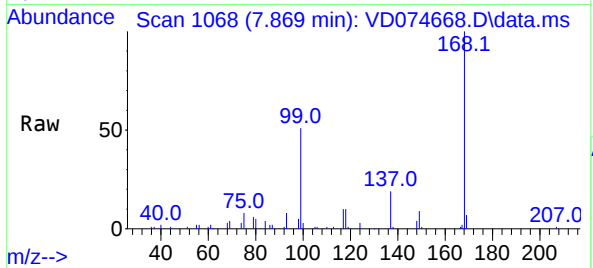




#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 7.869 min Scan# 1089
Delta R.T. -0.124 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

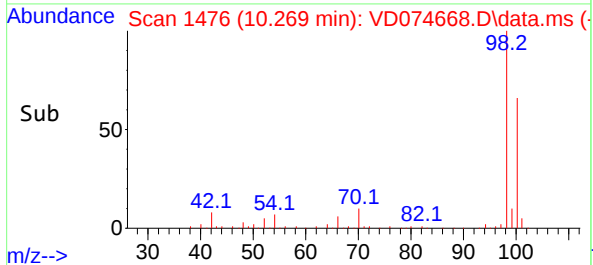
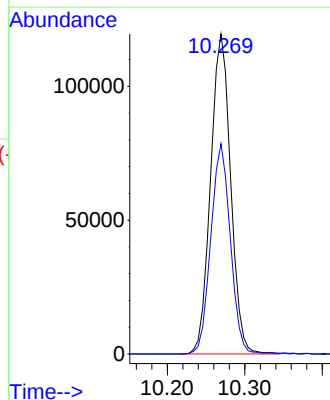
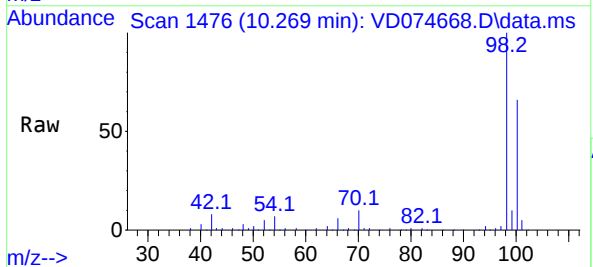
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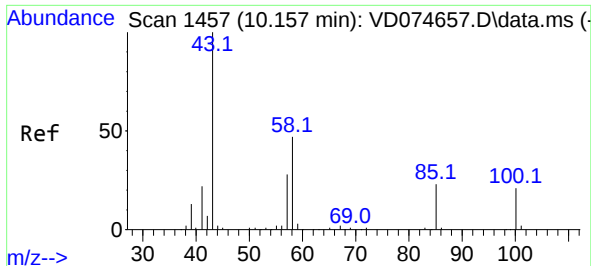
Tgt Ion:117 Resp: 7758
Ion Ratio Lower Upper
117 100
119 5.6 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 58.739 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 98 Resp: 214791
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

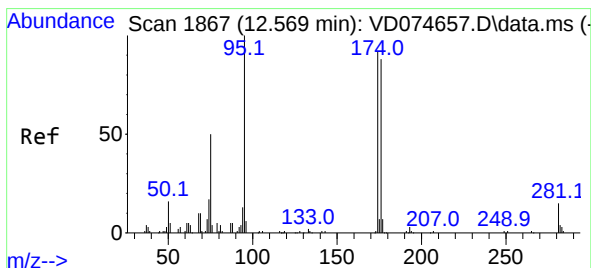
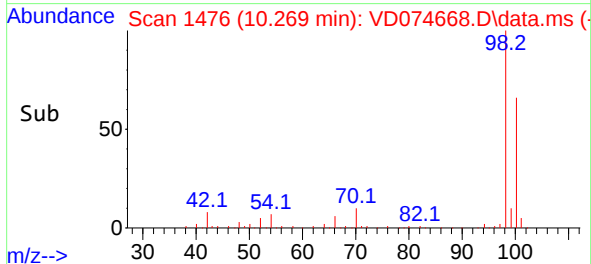
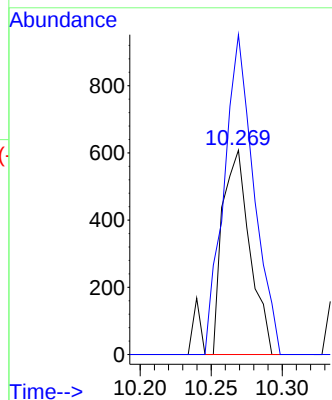
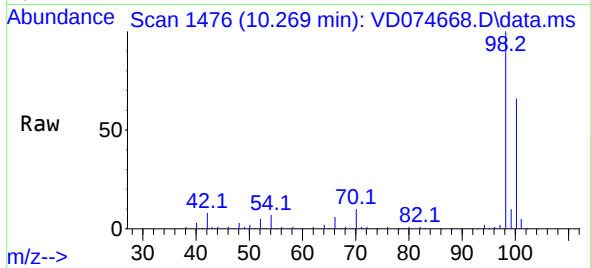




#51
4-Methyl-2-Pentanone
Concen: 2.165 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

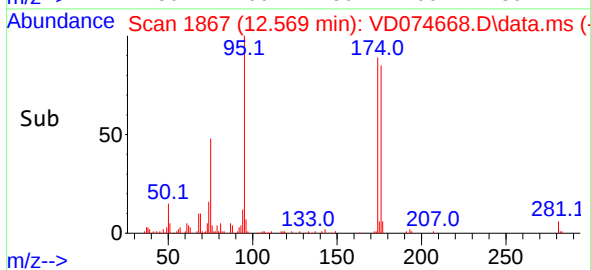
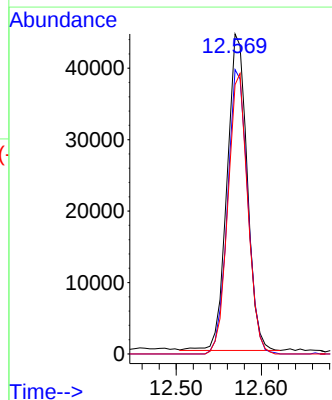
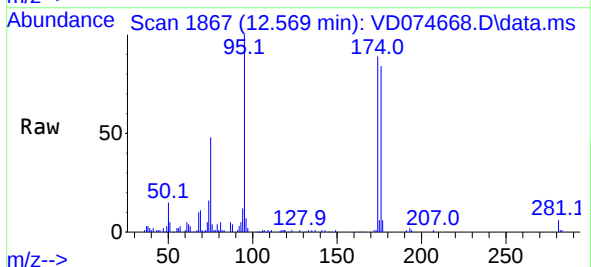
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

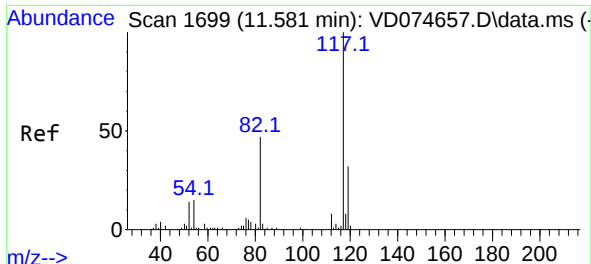
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 159.7 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 72.444 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 95 Resp: 72753
Ion Ratio Lower Upper
95 100
174 89.7 0.0 197.0
176 86.7 0.0 182.6

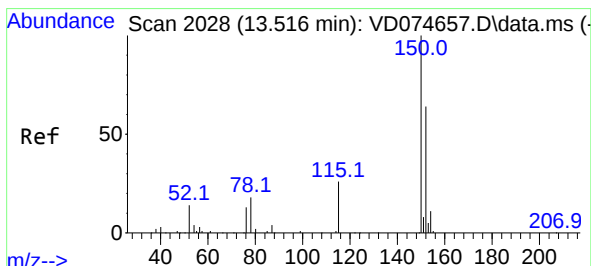
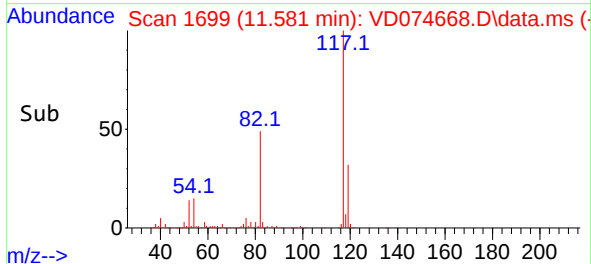
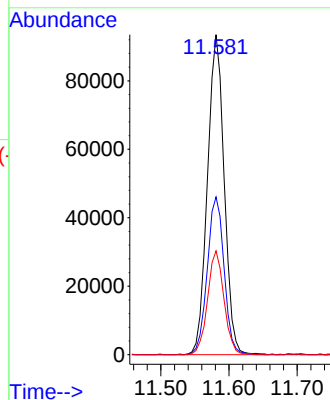
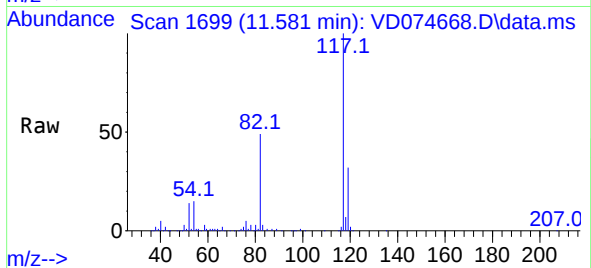




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

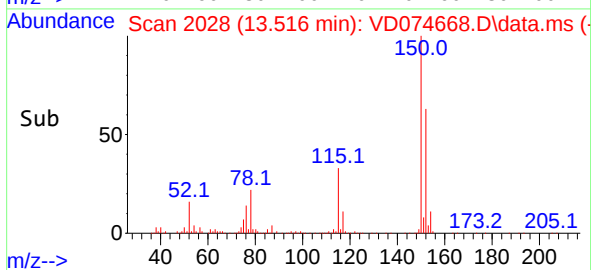
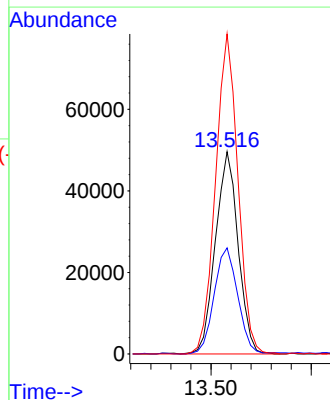
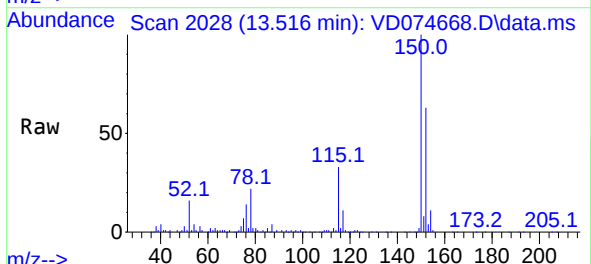
Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

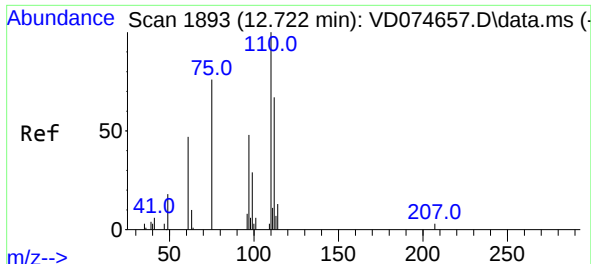
Tgt Ion:	117	Resp:	159916
Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.6	62.4
119	32.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion:	152	Resp:	77798
Ion	Ratio	Lower	Upper
152	100		
115	55.0	26.8	80.4
150	156.0	0.0	348.2

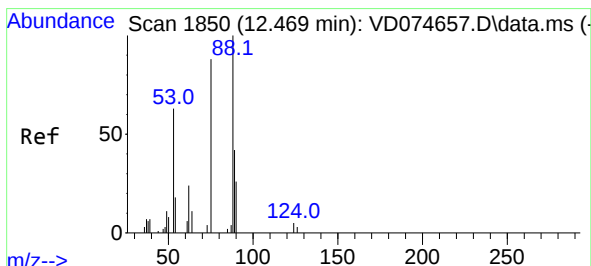
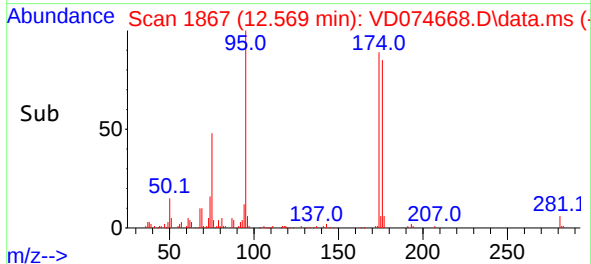
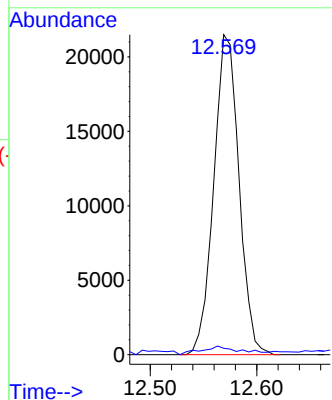
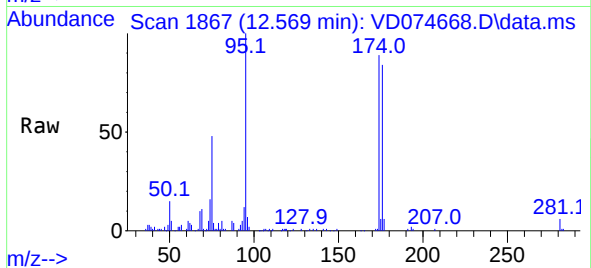




#76
1,2,3-Trichloropropane
Concen: 58.004 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Instrument :
MSVOA_D
ClientSampleId :
IRV-SOIL-1025

Tgt Ion: 75 Resp: 35293
Ion Ratio Lower Upper
75 100
77 4.2 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.510 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074668.D
Acq: 28 Oct 2022 13:40

Tgt Ion: 75 Resp: 35293
Ion Ratio Lower Upper
75 100
53 1.1 63.8 95.6#
89 0.0 38.2 57.4#

