

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074667.D
 Acq On : 28 Oct 2022 13:12
 Operator : VA/SY
 Sample : N5282-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUMP-STONE

Quant Time: Oct 28 14:19:08 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)

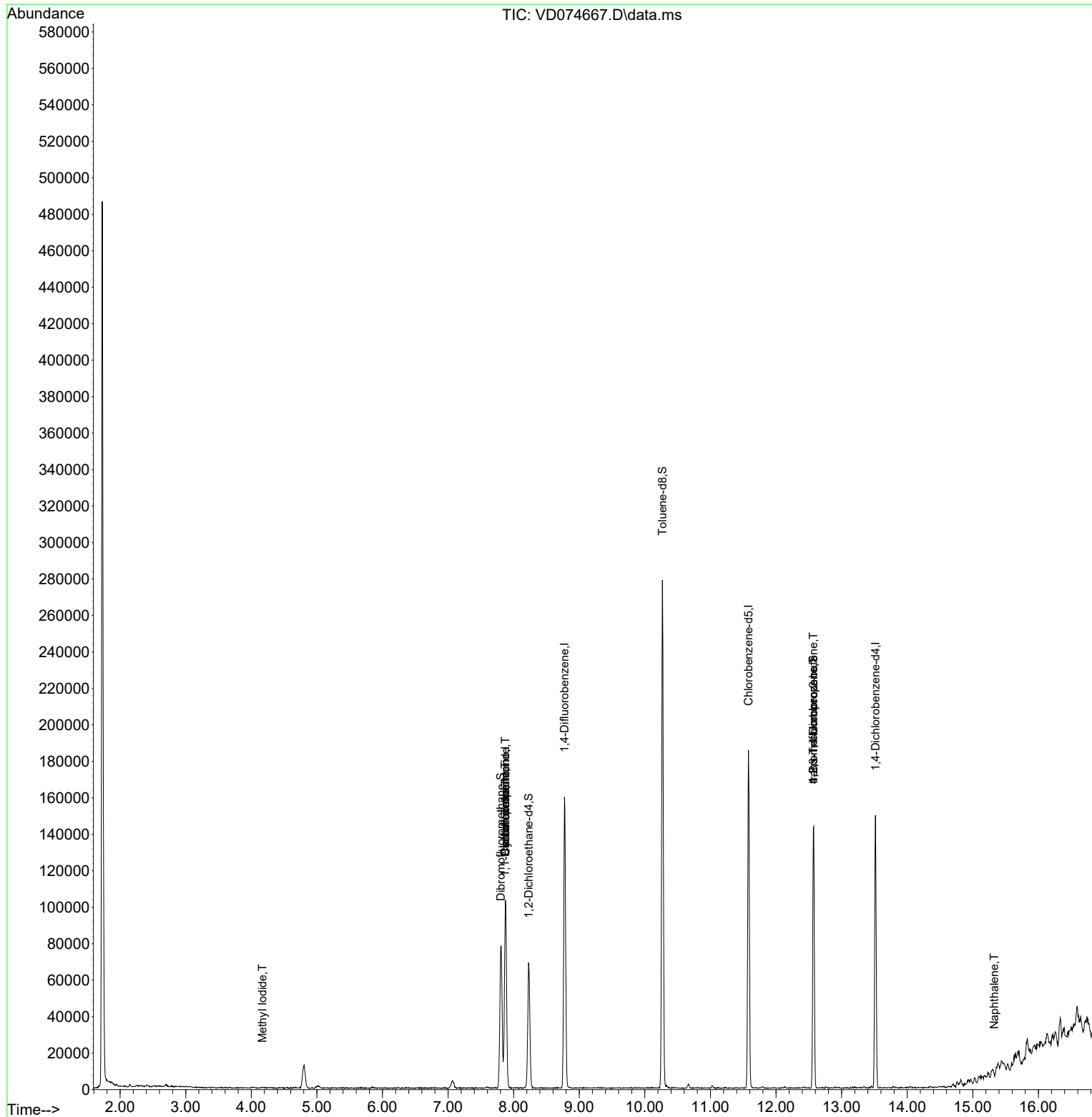
Internal Standards						
1) Pentafluorobenzene	7.875	168	84870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	118267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52369	73.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.220%	
35) Dibromofluoromethane	7.804	113	60132	63.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.960%	
50) Toluene-d8	10.269	98	196692	53.992	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.569	95	46054	46.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	637	Below Cal		91
10) Methyl Iodide	4.169	142	563	5.886 ug/l	#	43
11) Tert butyl alcohol	5.010	59	832	Below Cal	#	84
16) Acetone	4.028	43	715	Below Cal	#	64
20) Methylene Chloride	4.810	84	10922	Below Cal		96
25) 2-Butanone	7.075	43	123	Below Cal	#	42
31) Cyclohexane	7.875	56	1650	1.257 ug/l	#	36
36) 1,1-Dichloropropene	7.869	75	5319	3.941 ug/l	#	45
38) Carbon Tetrachloride	7.875	117	7729	6.162 ug/l	#	18
76) 1,2,3-Trichloropropane	12.569	75	23001	67.617 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.569	75	23001	178.951 ug/l	#	17
95) Naphthalene	15.328	128	1734	1.131 ug/l	#	81

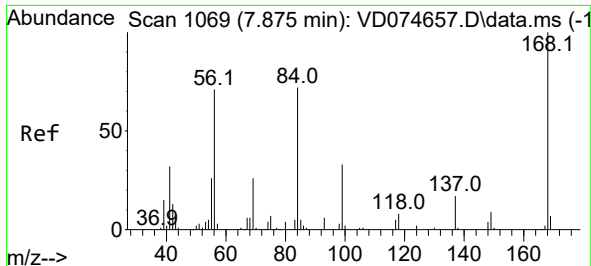
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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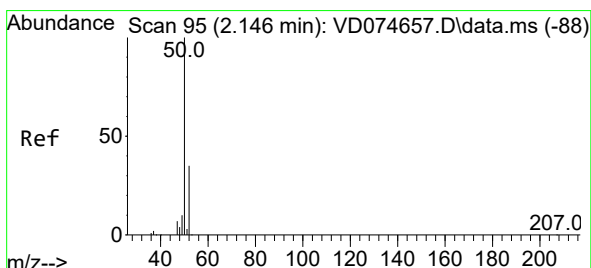
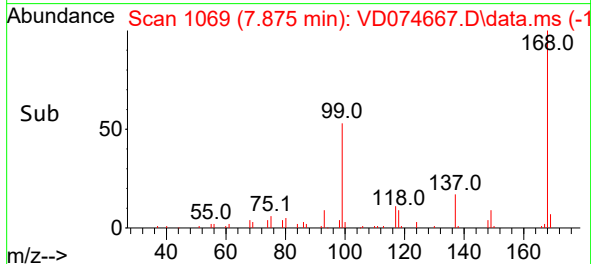
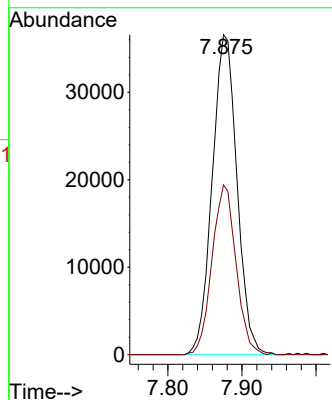
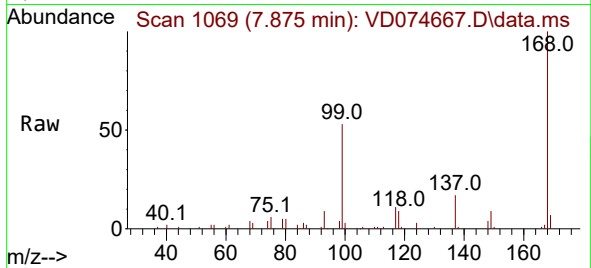




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

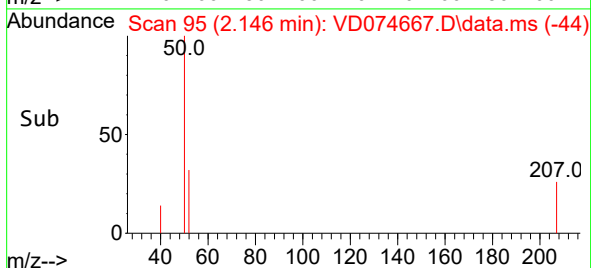
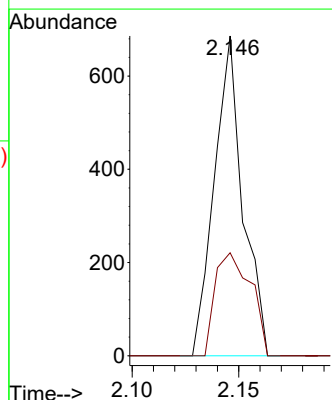
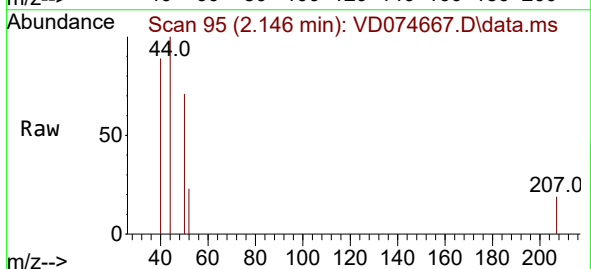
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

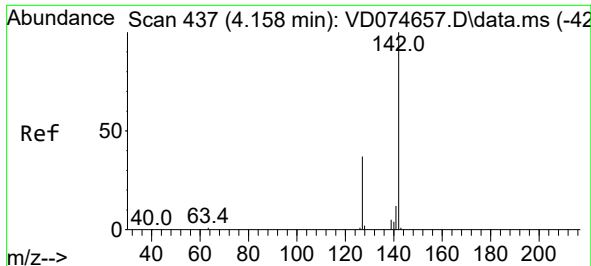
Tgt Ion:168 Resp: 84870
Ion Ratio Lower Upper
168 100
99 53.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 50 Resp: 637
Ion Ratio Lower Upper
50 100
52 32.2 30.0 45.0

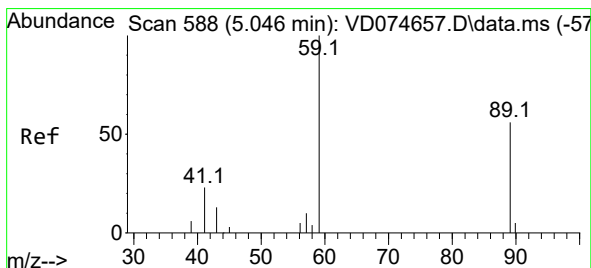
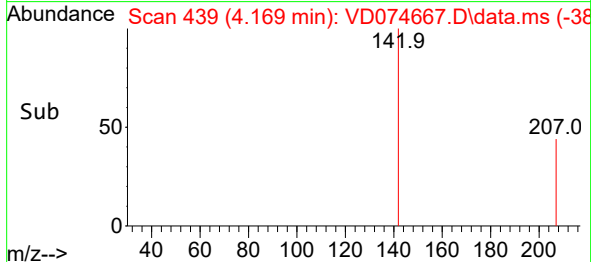
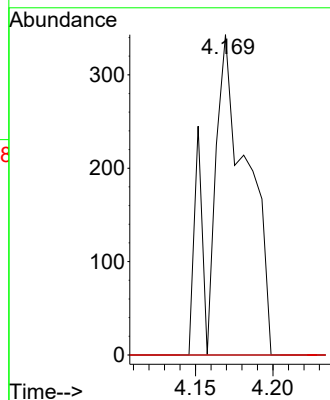
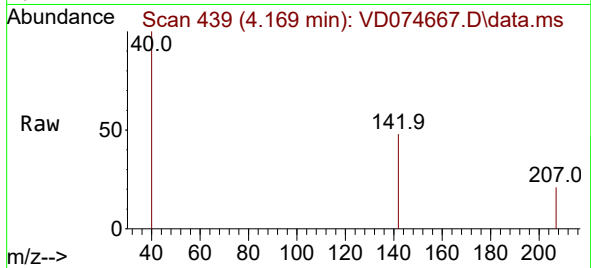




#10
Methyl Iodide
Concen: 5.886 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

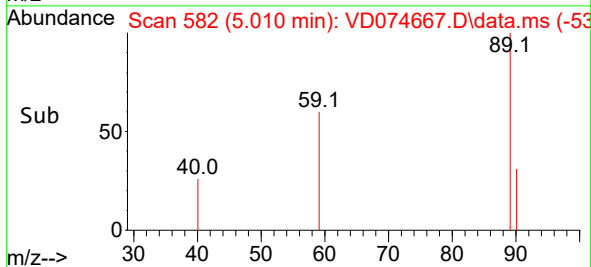
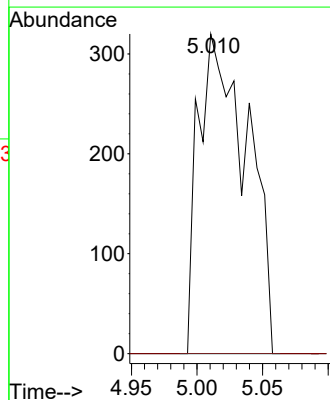
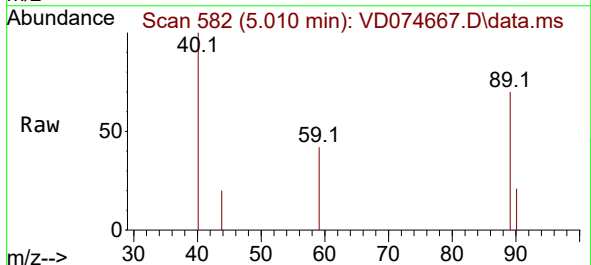
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

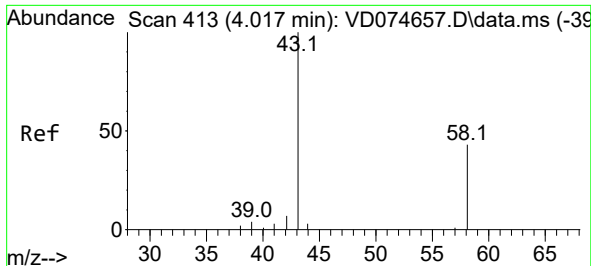
Tgt Ion:142 Resp: 563
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.010 min Scan# 582
Delta R.T. -0.036 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 59 Resp: 832
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

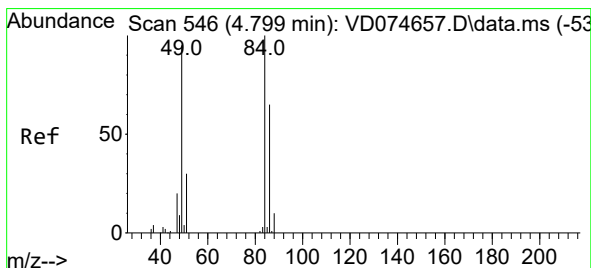
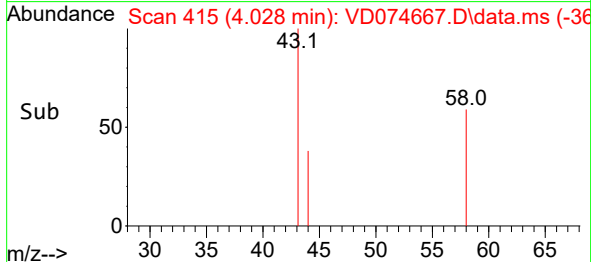
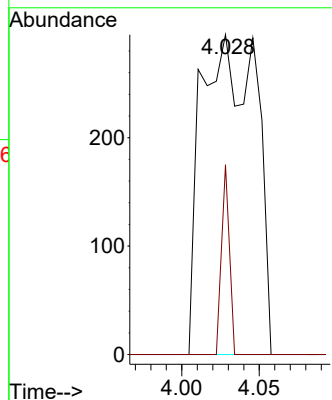
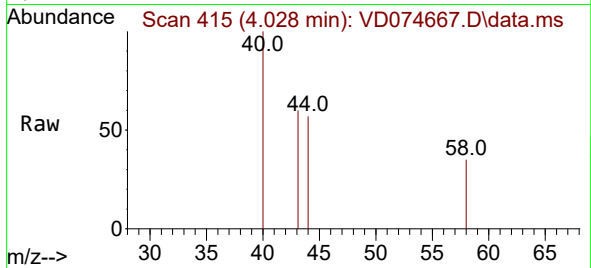




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

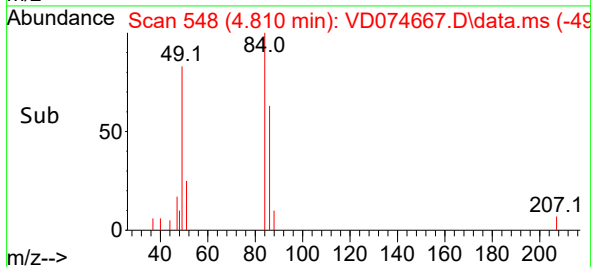
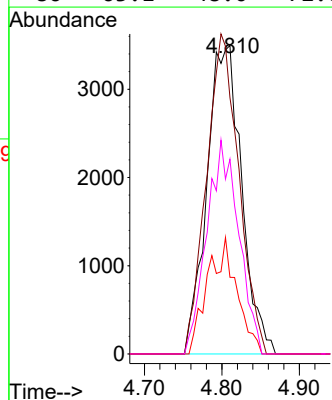
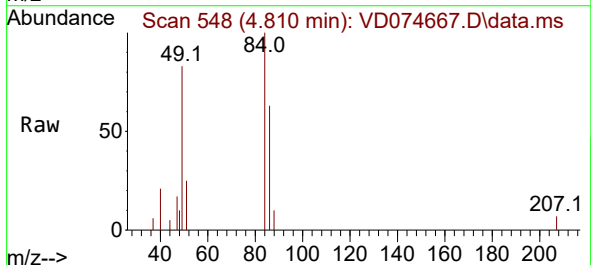
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

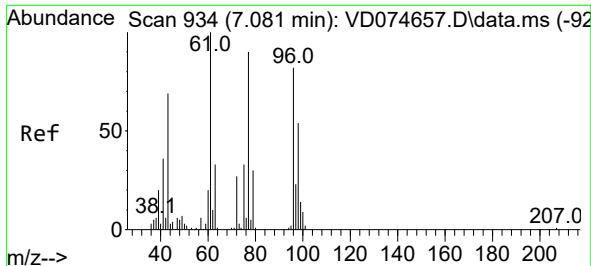
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 59.3 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.011 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 84 Resp: 10922
Ion Ratio Lower Upper
84 100
49 83.1 68.0 102.0
51 24.9 23.2 34.8
86 63.1 48.0 72.0

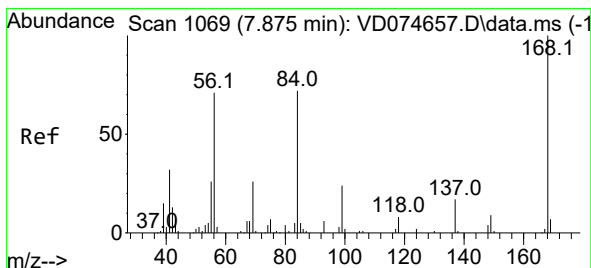
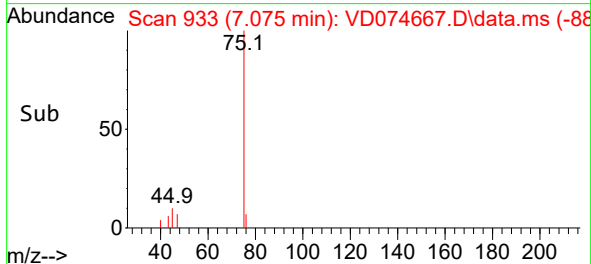
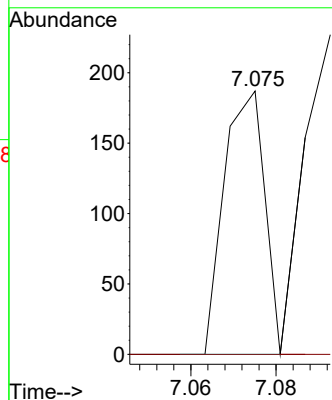
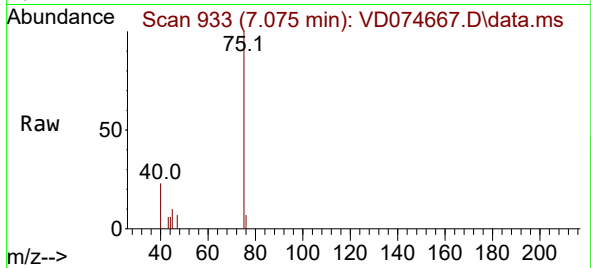




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

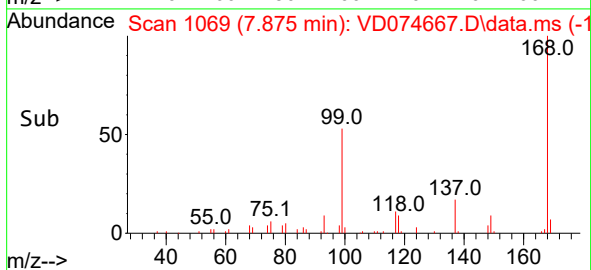
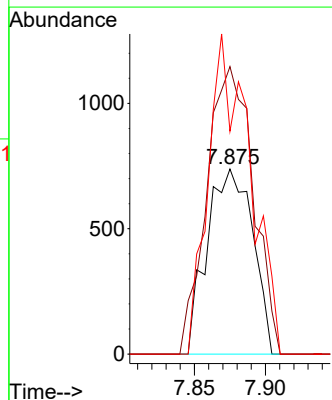
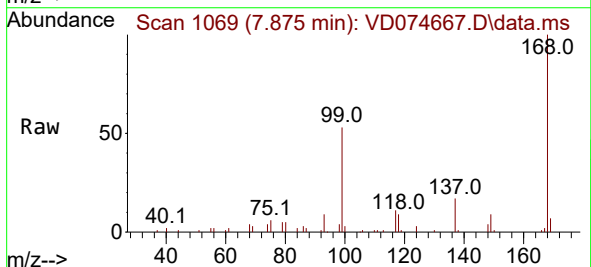
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

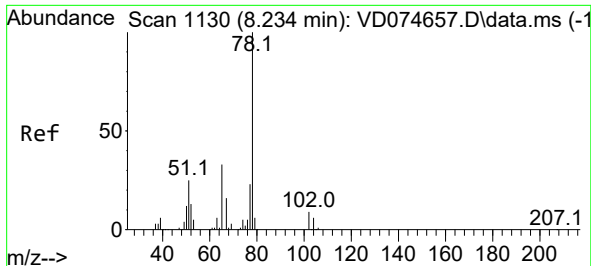
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 56 Resp: 1650
Ion Ratio Lower Upper
56 100
69 155.4 29.2 43.8#
84 120.5 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 73.108 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074667.D

Acq: 28 Oct 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

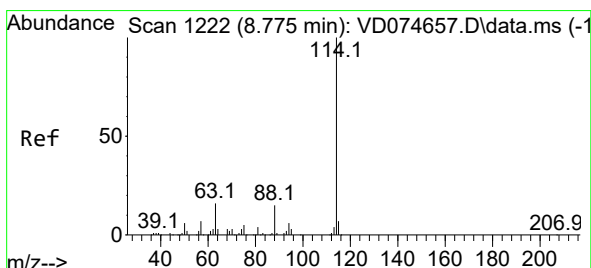
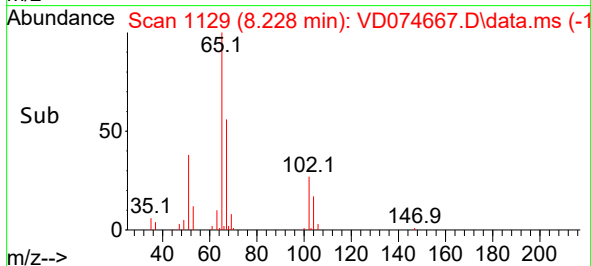
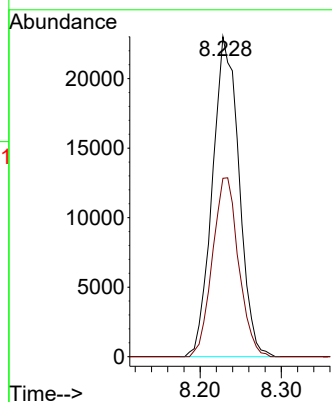
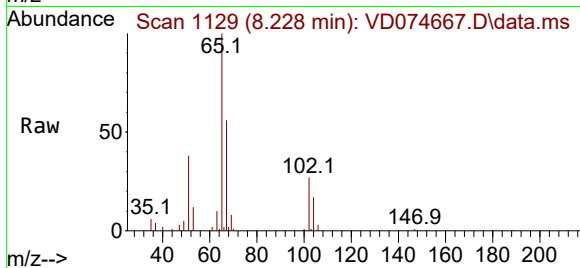
SUMP-STONE

Tgt Ion: 65 Resp: 52369

Ion Ratio Lower Upper

65 100

67 55.0 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: VD074667.D

Acq: 28 Oct 2022 13:12

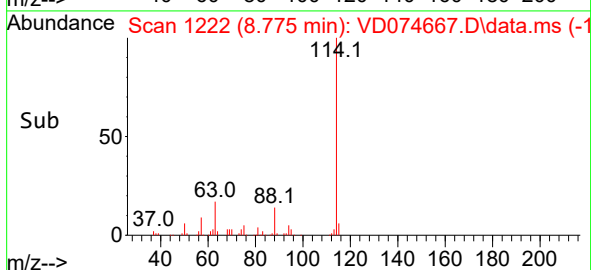
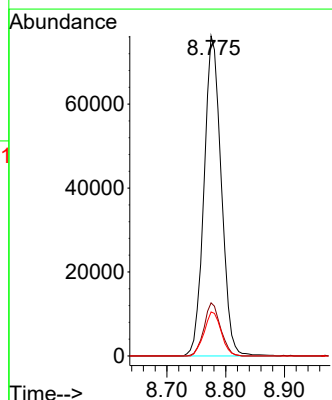
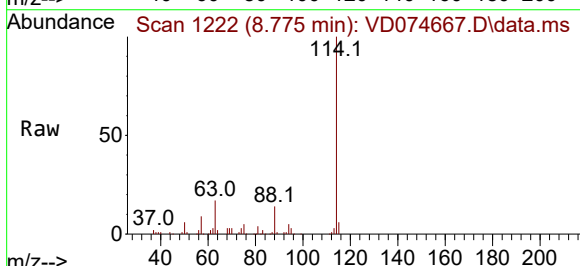
Tgt Ion: 114 Resp: 155135

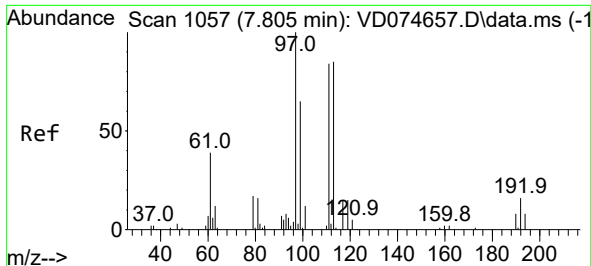
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 63.478 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074667.D

Acq: 28 Oct 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

SUMP-STONE

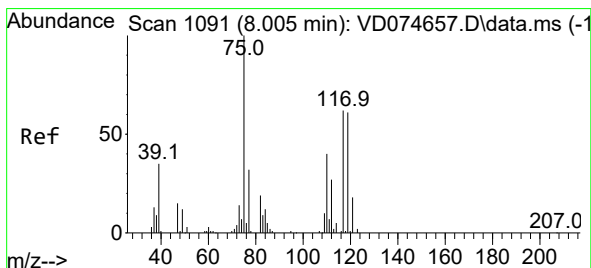
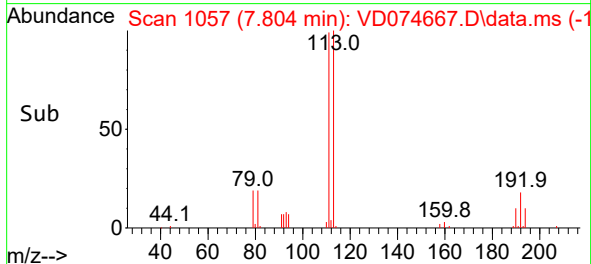
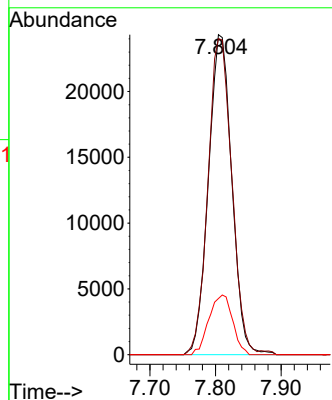
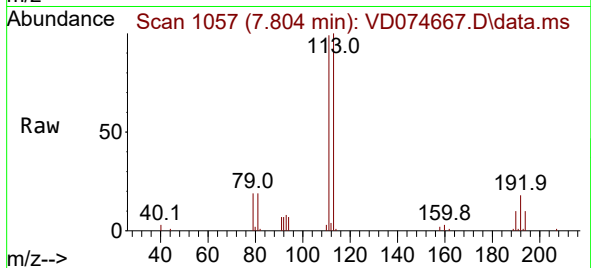
Tgt Ion:113 Resp: 60132

Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

192 19.0 16.4 24.6



#36

1,1-Dichloropropene

Concen: 3.941 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD074667.D

Acq: 28 Oct 2022 13:12

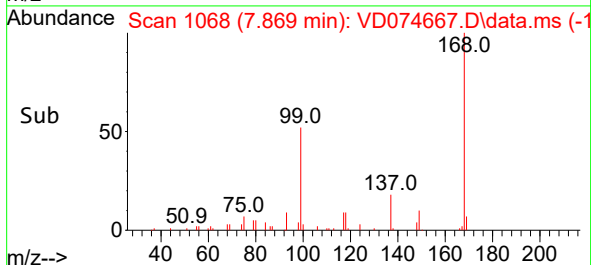
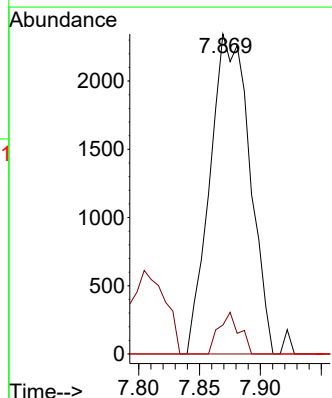
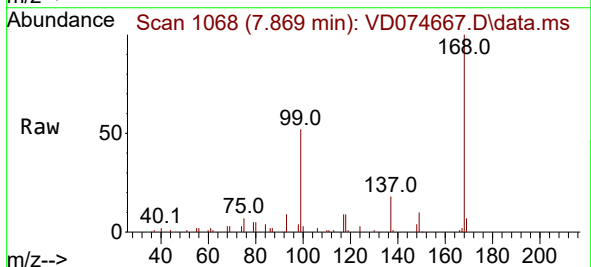
Tgt Ion: 75 Resp: 5319

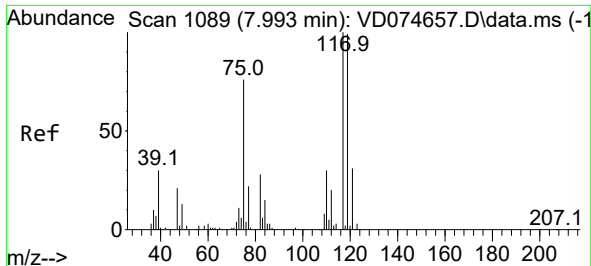
Ion Ratio Lower Upper

75 100

110 6.8 19.7 59.0#

77 0.0 25.4 38.2#

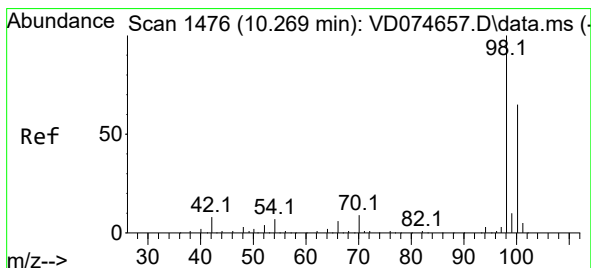
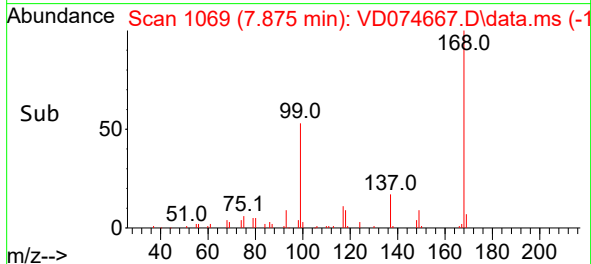
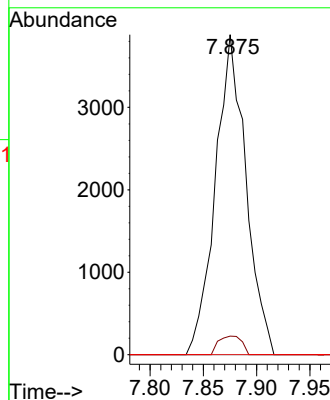
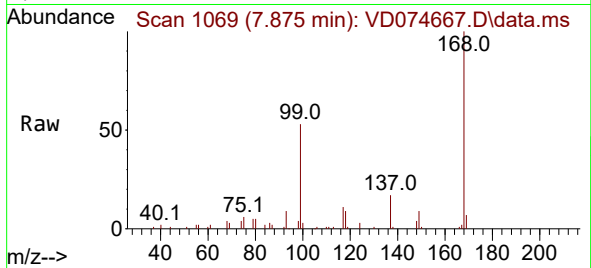




#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

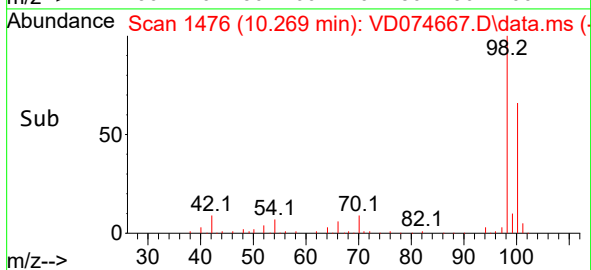
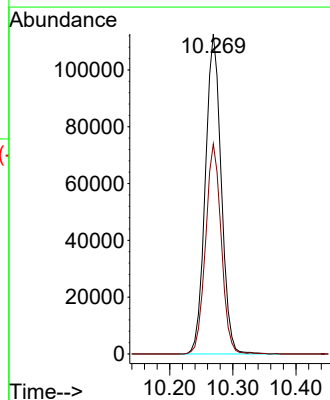
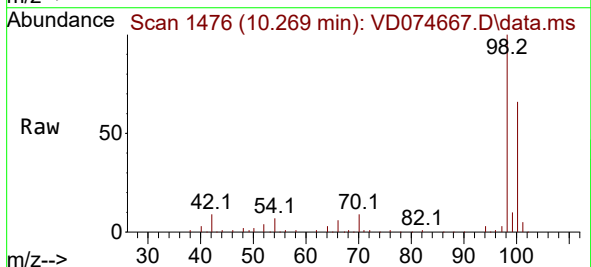
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

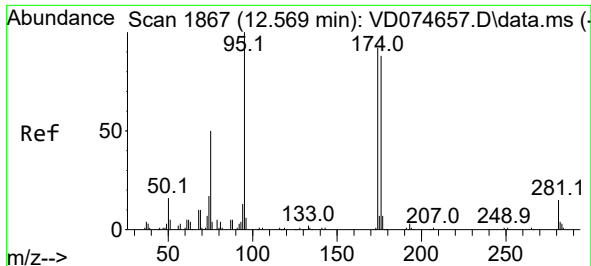
Tgt Ion:117 Resp: 7729
Ion Ratio Lower Upper
117 100
119 5.8 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.992 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 98 Resp: 196692
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

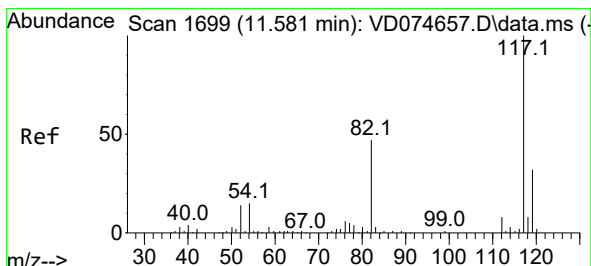
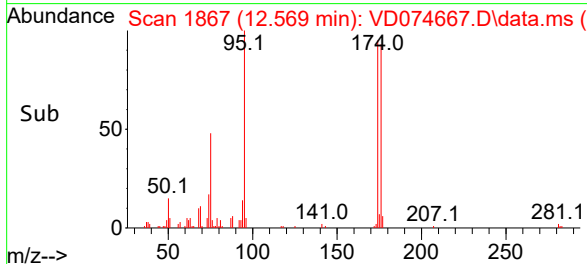
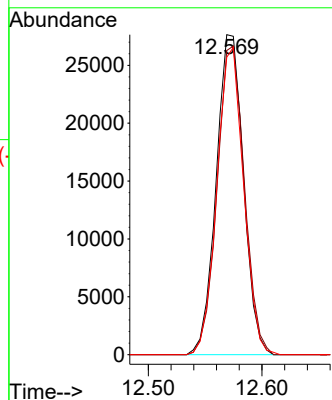
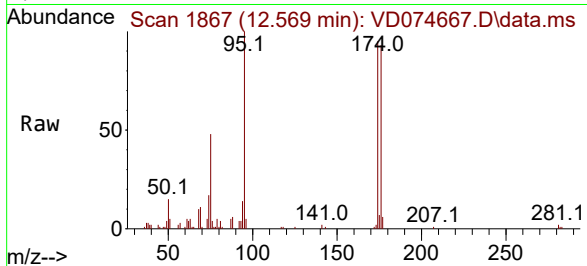




#62
4-Bromofluorobenzene
Concen: 46.031 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

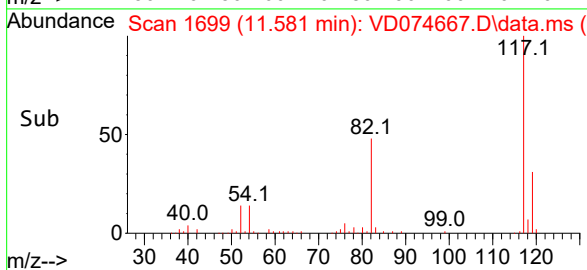
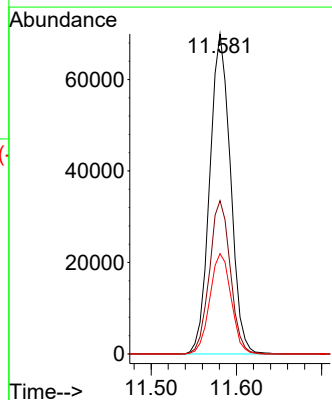
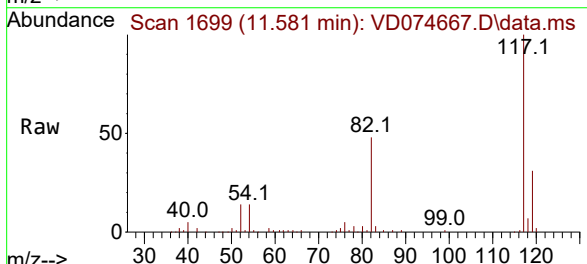
Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

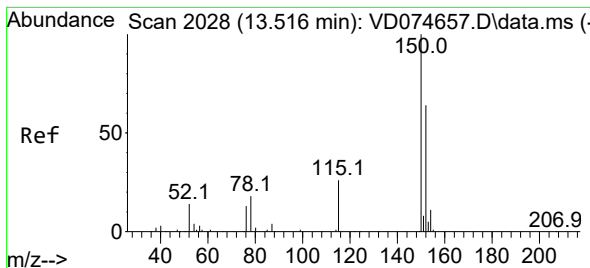
Tgt Ion: 95 Resp: 46054
Ion Ratio Lower Upper
95 100
174 96.5 0.0 197.0
176 94.2 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 117 Resp: 118267
Ion Ratio Lower Upper
117 100
82 47.9 41.6 62.4
119 31.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD074667.D

Acq: 28 Oct 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

SUMP-STONE

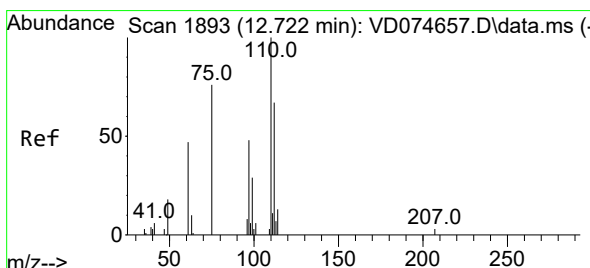
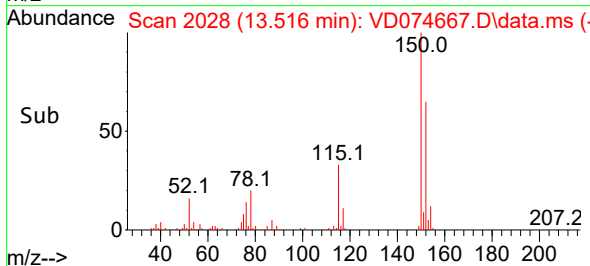
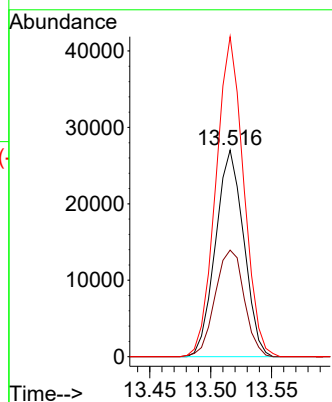
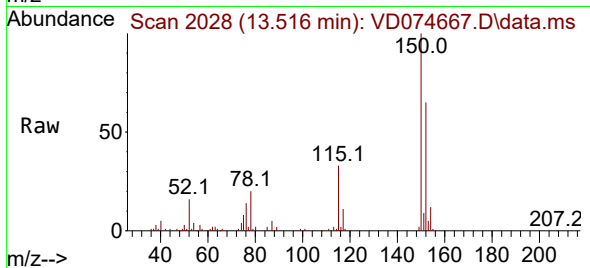
Tgt Ion:152 Resp: 43494

Ion Ratio Lower Upper

152 100

115 53.3 26.8 80.4

150 152.8 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 67.617 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD074667.D

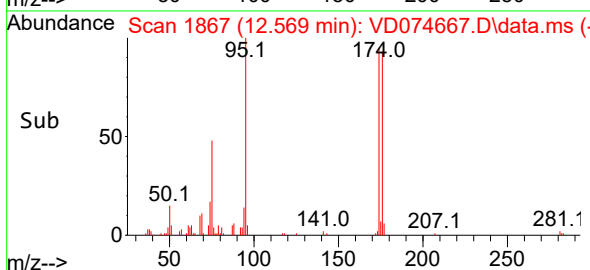
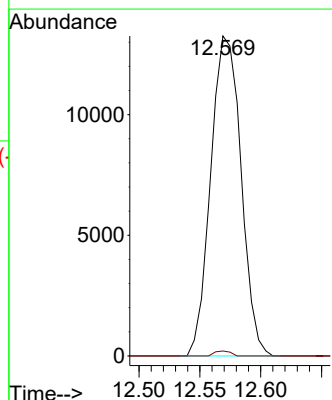
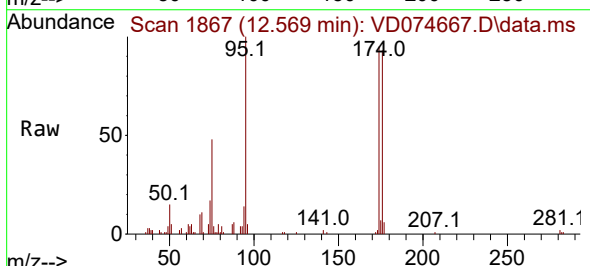
Acq: 28 Oct 2022 13:12

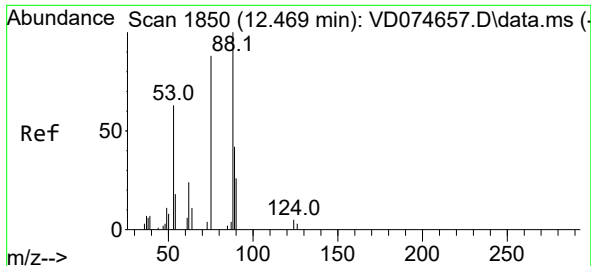
Tgt Ion: 75 Resp: 23001

Ion Ratio Lower Upper

75 100

77 0.8 185.8 557.5#

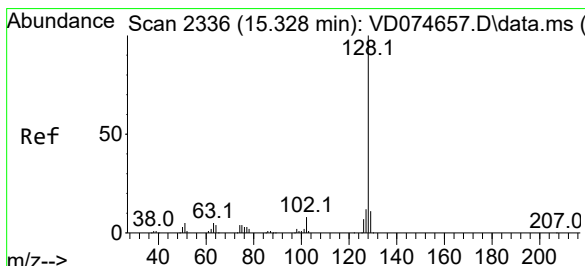
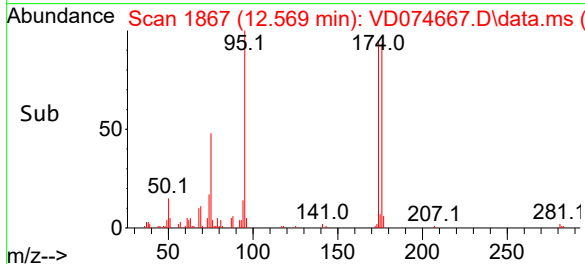
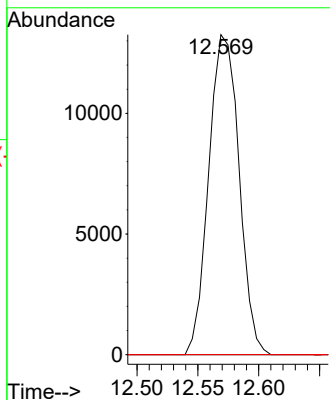
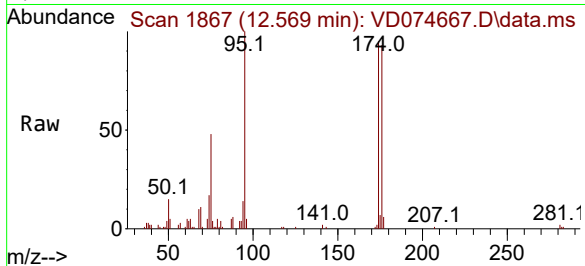




#81
trans-1,4-Dichloro-2-butene
Concen: 178.951 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Instrument :
MSVOA_D
ClientSampleId :
SUMP-STONE

Tgt Ion: 75 Resp: 23001
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.131 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074667.D
Acq: 28 Oct 2022 13:12

Tgt Ion: 128 Resp: 1734
Ion Ratio Lower Upper
128 100
127 8.4 10.6 16.0#
129 0.0 8.3 12.5#

