

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092122\
 Data File : VD074387.D
 Acq On : 21 Sep 2022 14:17
 Operator : VA/SY
 Sample : N4641-08
 Misc : 5.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 05:12:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

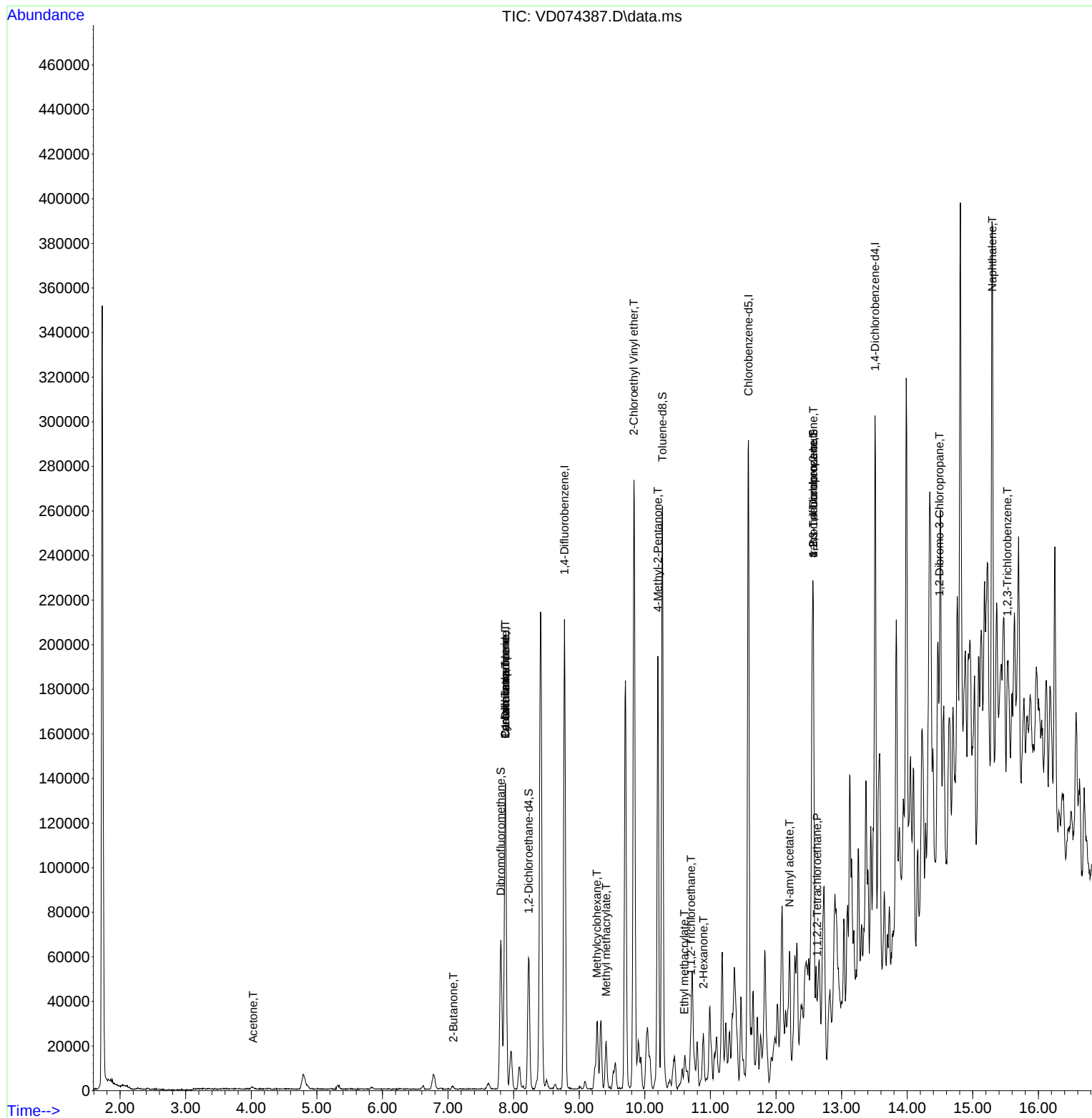
Internal Standards						
1) Pentafluorobenzene	7.875	168	99942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	151258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	58957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45431	46.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.340%		
35) Dibromofluoromethane	7.805	113	47234	39.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.240%		
50) Toluene-d8	10.269	98	168857	40.531	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.060%		
62) 4-Bromofluorobenzene	12.569	95	53091	36.002	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.000%		
Target Compounds					Qvalue	
16) Acetone	4.028	43	1279	5.832	ug/l #	42
18) Methyl Acetate	4.540	43	59	Below Cal	#	51
20) Methylene Chloride	4.793	84	4294	Below Cal	#	89
25) 2-Butanone	7.081	43	519	1.589	ug/l #	48
31) Cyclohexane	7.875	56	3980	1.949	ug/l #	49
36) 1,1-Dichloropropene	7.875	75	8440	4.579	ug/l #	49
38) Carbon Tetrachloride	7.875	117	10500	6.429	ug/l #	16
39) Methylcyclohexane	9.269	83	4413	1.979	ug/l #	44
48) Methyl methacrylate	9.410	41	5328	8.082	ug/l #	29
51) 4-Methyl-2-Pentanone	10.199	43	21697	30.315	ug/l #	80
55) 1,1,2-Trichloroethane	10.704	97	7580	8.608	ug/l #	34
56) Ethyl methacrylate	10.604	69	1681	1.457	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.834	63	319	32.711	ug/l #	47
59) 2-Hexanone	10.893	43	10514	21.002	ug/l #	25
74) N-amyl acetate	12.204	43	15032	15.000	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.628	83	863	1.095	ug/l #	25
76) 1,2,3-Trichloropropane	12.569	75	27123	49.723	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	27123	124.618	ug/l #	100
92) 1,2-Dibromo-3-Chloropr...	14.492	75	144	1.230	ug/l #	1
95) Naphthalene	15.298	128	2516	1.172	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.528	180	1096	1.101	ug/l #	12

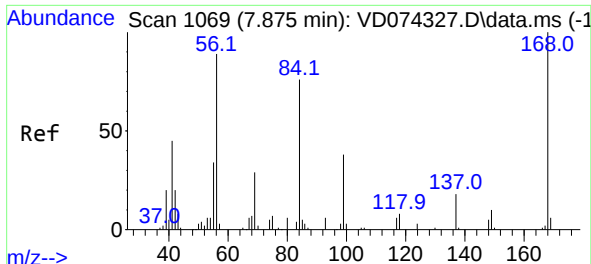
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092122\
Data File : VD074387.D
Acq On : 21 Sep 2022 14:17
Operator : VA/SY
Sample : N4641-08
Misc : 5.30G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

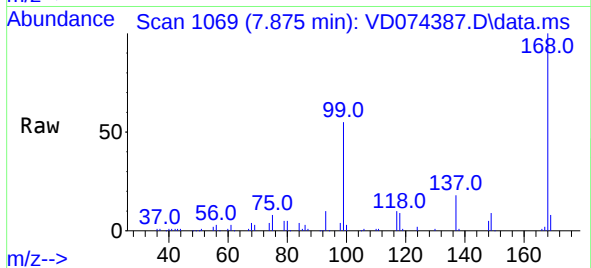
Quant Time: Sep 22 05:12:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 17 04:16:54 2022
Response via : Initial Calibration



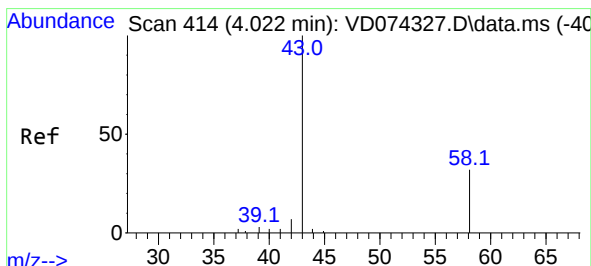
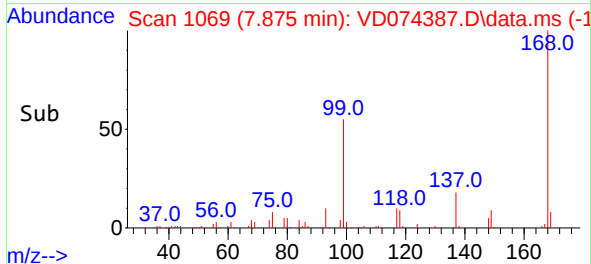
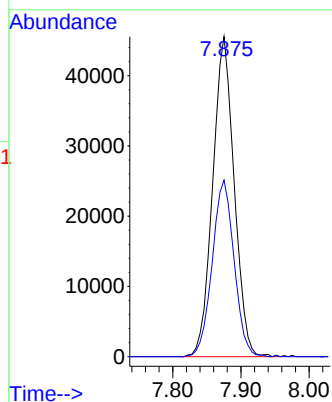


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :

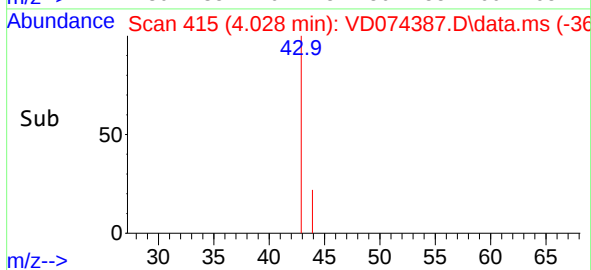
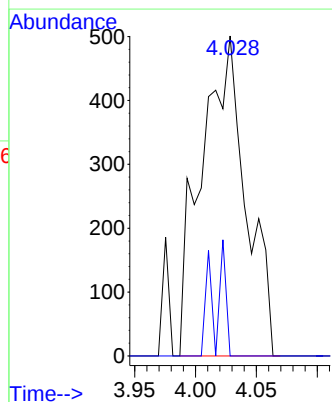
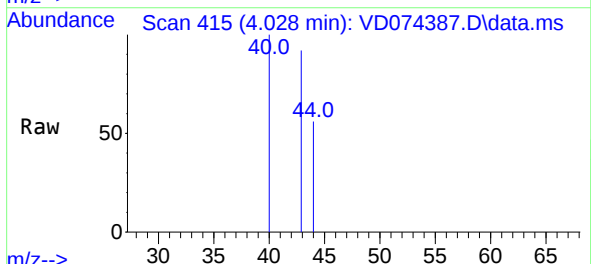


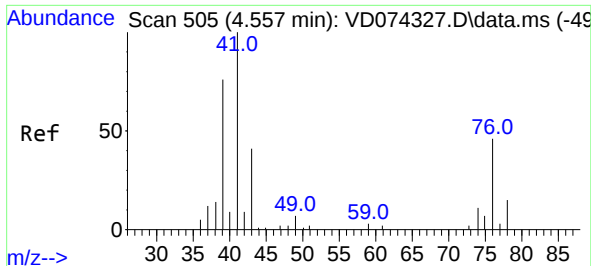
Tgt Ion:168 Resp: 99942
Ion Ratio Lower Upper
168 100
99 55.2 43.0 64.6



#16
Acetone
Concen: 5.832 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#

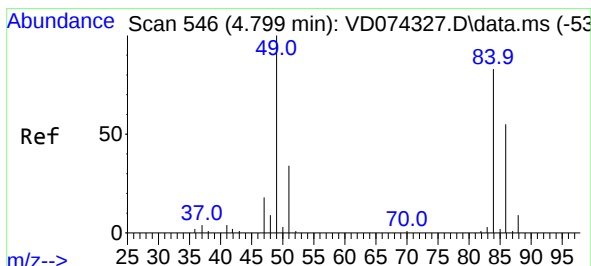
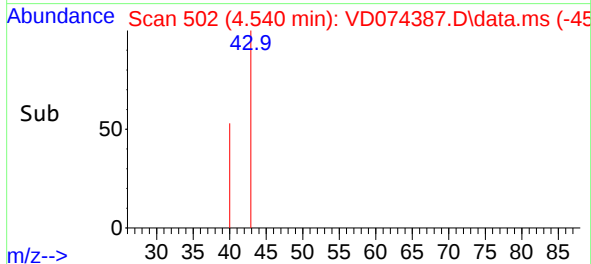
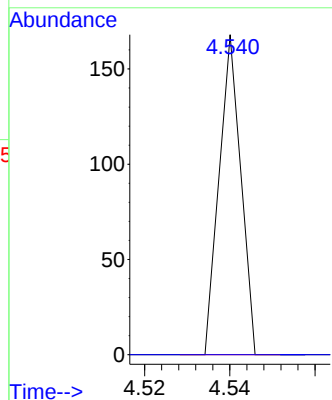
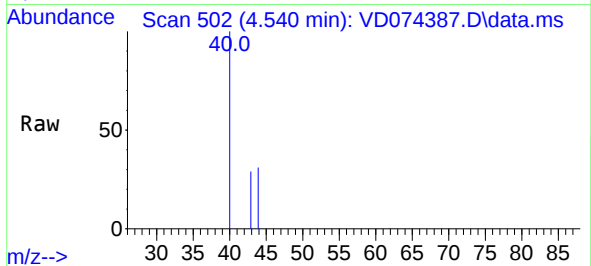




#18
Methyl Acetate
Concen: Below Cal
RT: 4.540 min Scan# 50
Delta R.T. -0.017 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

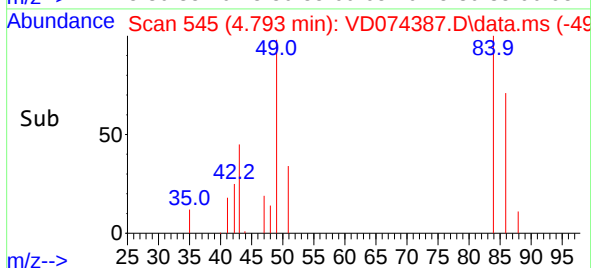
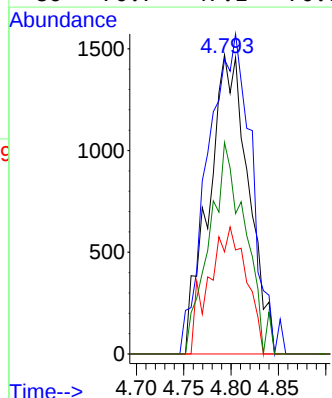
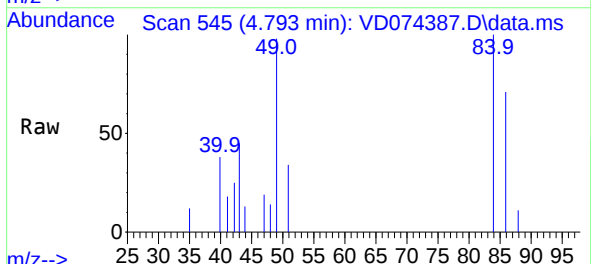
Instrument :
MSVOA_D
ClientSampleId :

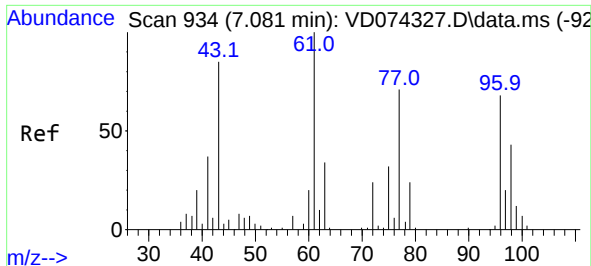
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 84 Resp: 4294
Ion Ratio Lower Upper
84 100
49 98.4 88.4 132.6
51 34.1 28.0 42.0
86 70.7 47.1 70.7#

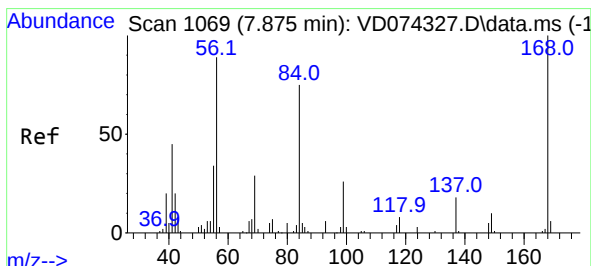
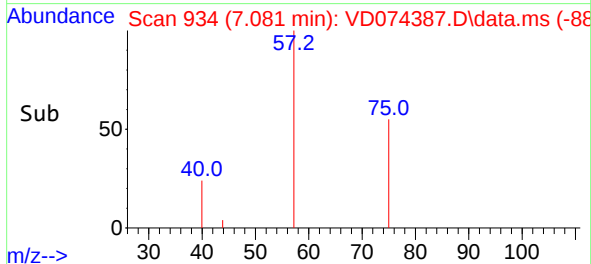
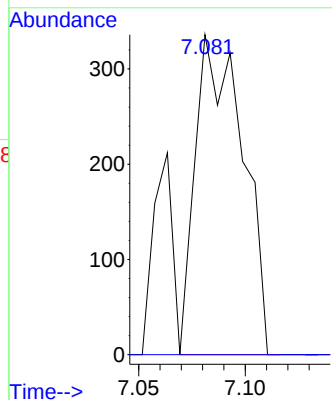
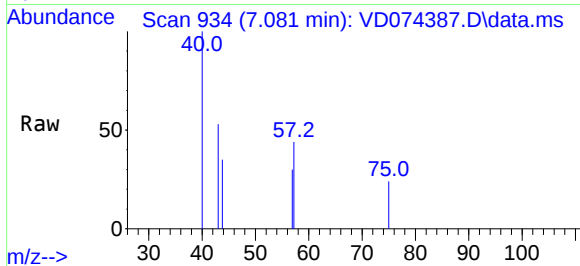




#25
2-Butanone
Concen: 1.589 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

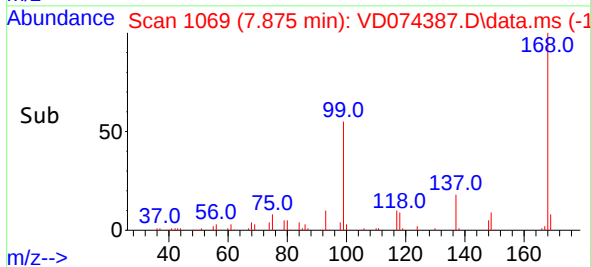
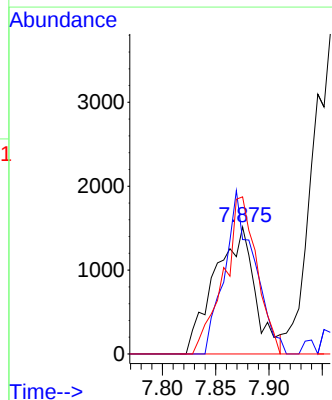
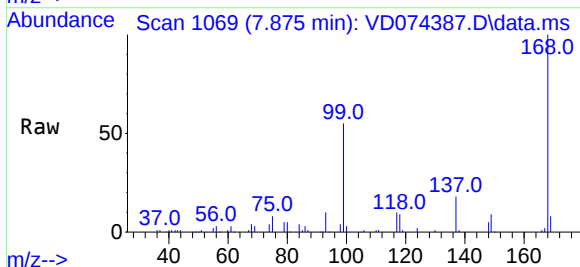
Instrument :
MSVOA_D
ClientSampleId :

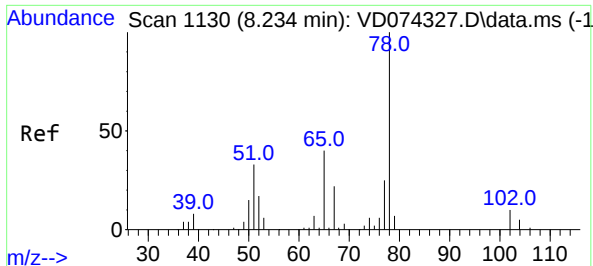
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#31
Cyclohexane
Concen: 1.949 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 56 Resp: 3980
Ion Ratio Lower Upper
56 100
69 90.0 25.7 38.5#
84 123.6 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 46.670 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

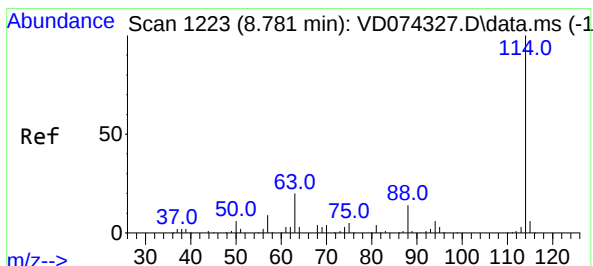
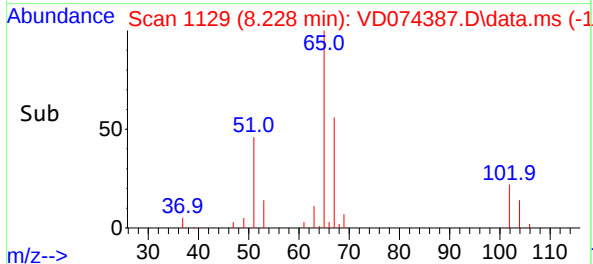
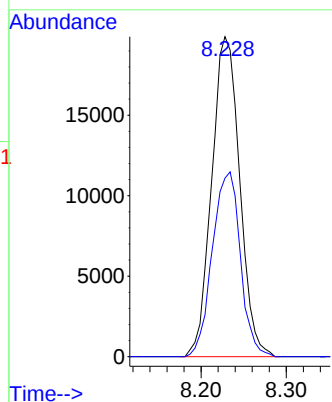
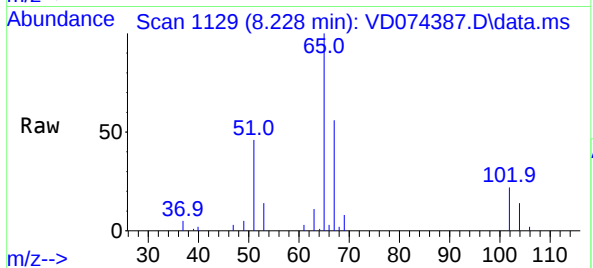
ClientSampleId :

Tgt Ion: 65 Resp: 45431

Ion Ratio Lower Upper

65 100

67 57.7 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

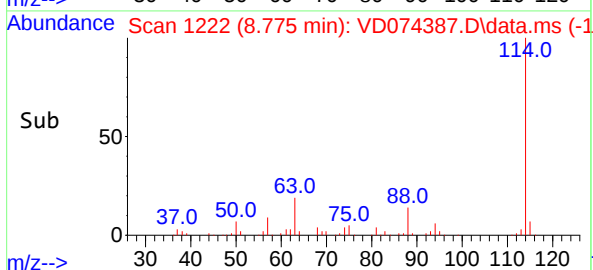
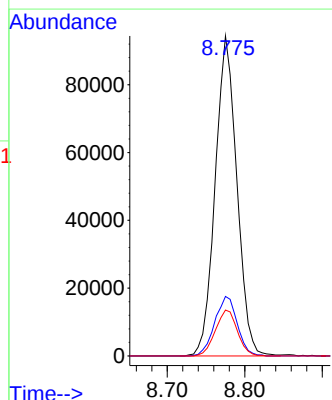
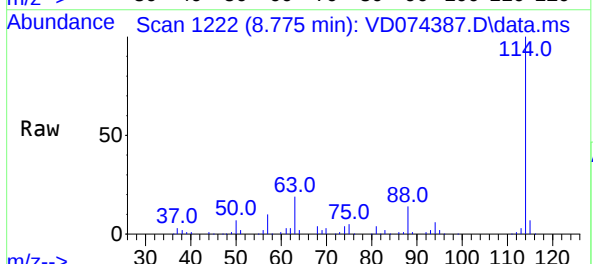
Tgt Ion:114 Resp: 183328

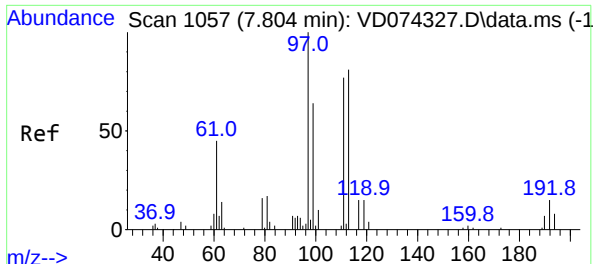
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.6

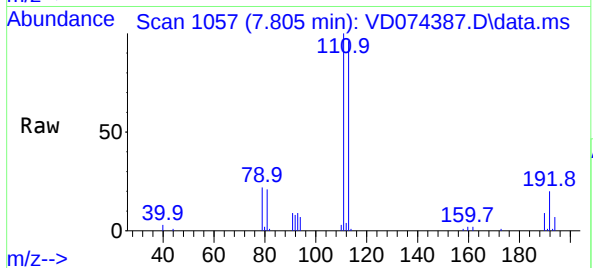
88 14.4 0.0 28.4



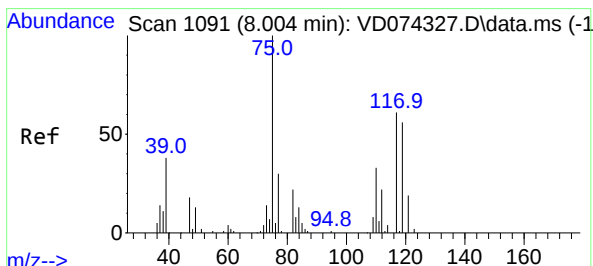
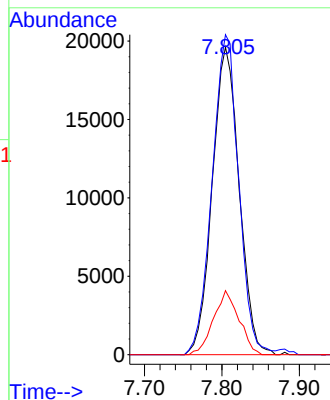
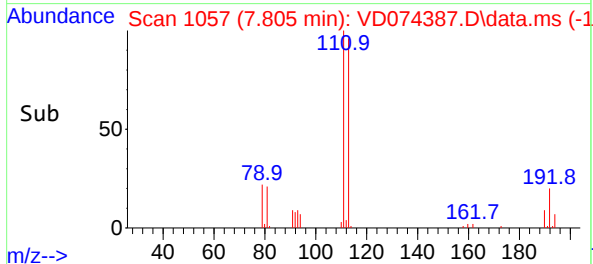


#35
Dibromofluoromethane
Concen: 39.120 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.001 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

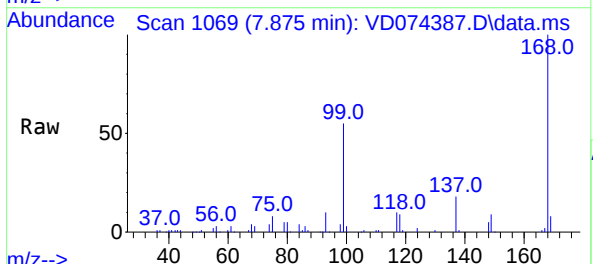
Instrument :
MSVOA_D
ClientSampleId :



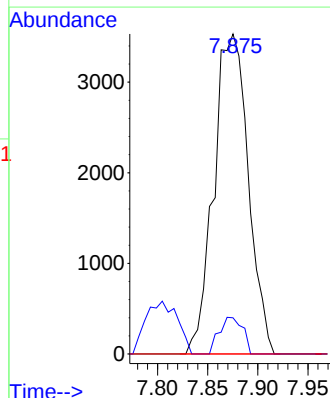
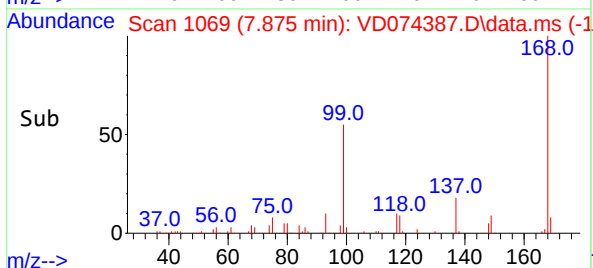
Tgt Ion:113 Resp: 47234
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.6
192 19.7 16.2 24.2

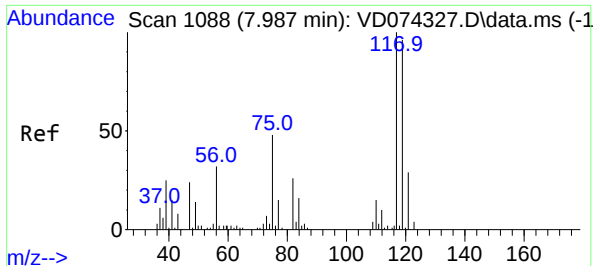


#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17



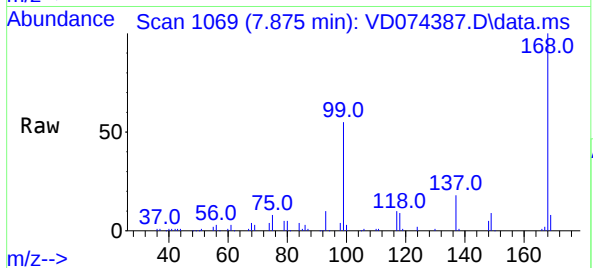
Tgt Ion: 75 Resp: 8440
Ion Ratio Lower Upper
75 100
110 7.8 17.5 52.5#
77 0.0 24.8 37.2#



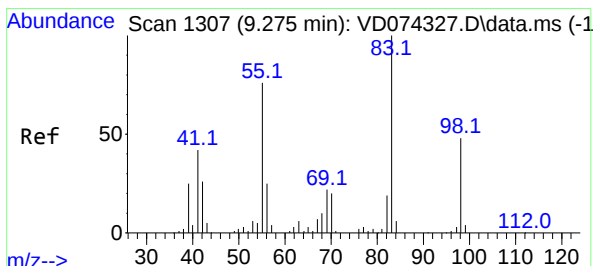
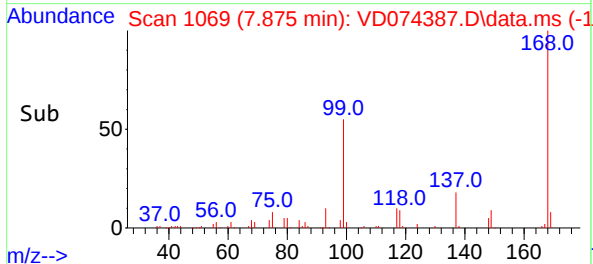
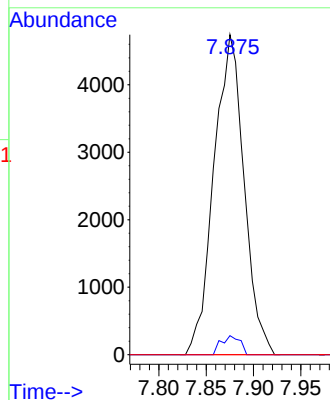


#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :

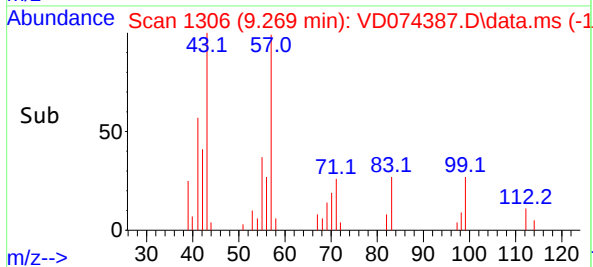
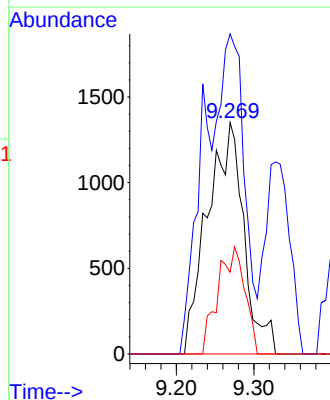
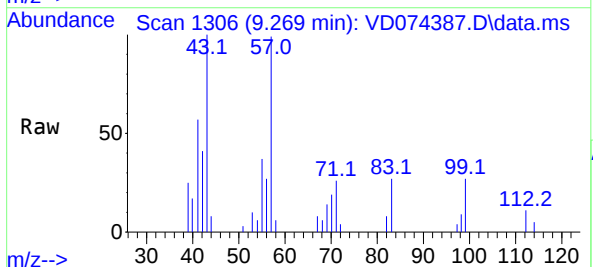


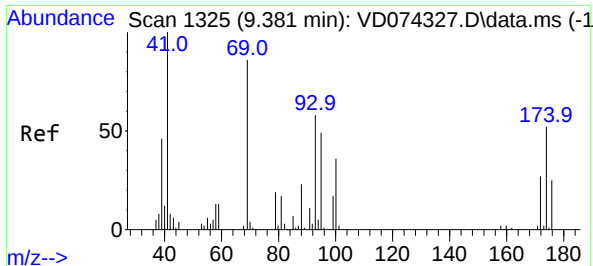
Tgt Ion:117 Resp: 10500
Ion Ratio Lower Upper
117 100
119 6.0 78.8 118.2#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 1.979 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 83 Resp: 4413
Ion Ratio Lower Upper
83 100
55 138.3 57.2 85.8#
98 35.3 38.3 57.5#





#48

Methyl methacrylate

Concen: 8.082 ug/l

RT: 9.410 min Scan# 11

Delta R.T. 0.029 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

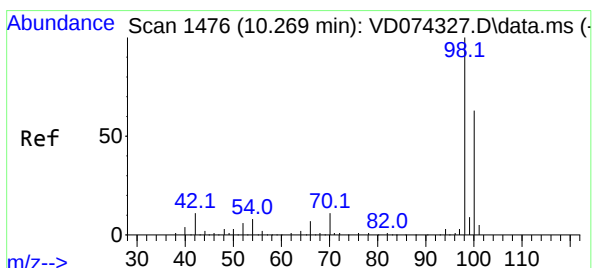
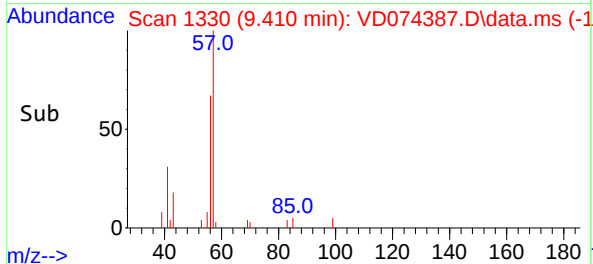
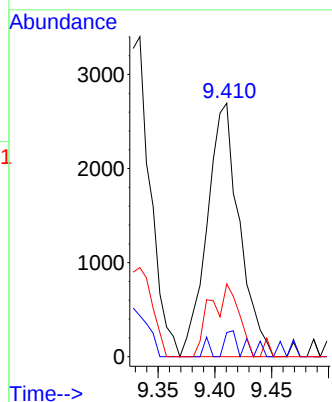
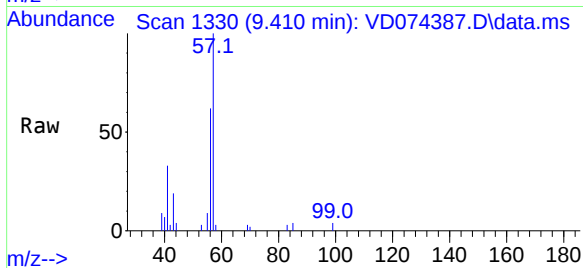
Tgt Ion: 41 Resp: 5328

Ion Ratio Lower Upper

41 100

69 5.9 72.7 109.1#

39 25.5 41.6 62.4#



#50

Toluene-d8

Concen: 40.531 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074387.D

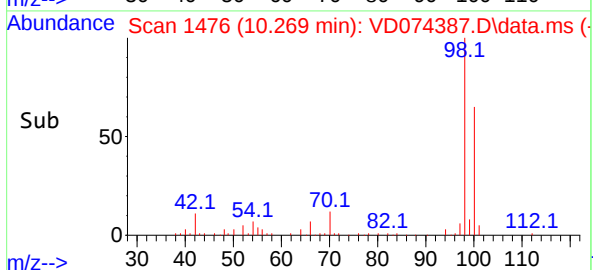
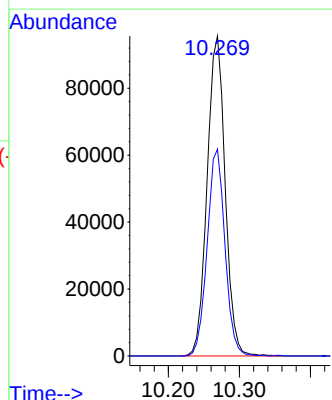
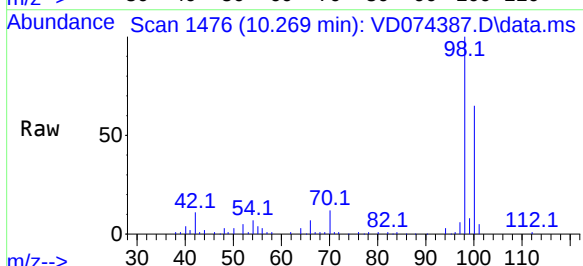
Acq: 21 Sep 2022 14:17

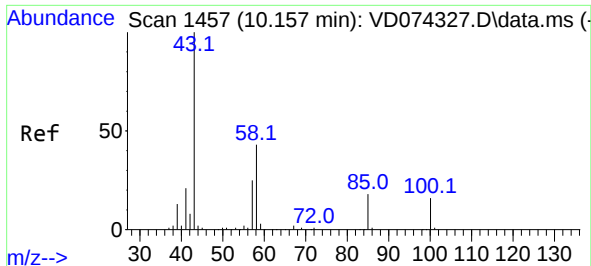
Tgt Ion: 98 Resp: 168857

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8

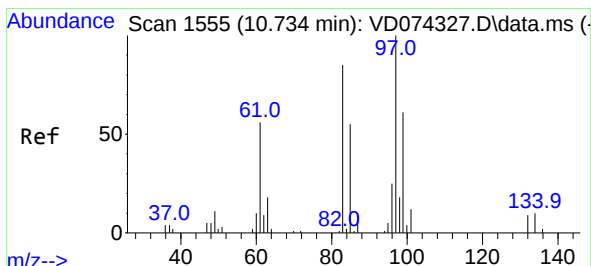
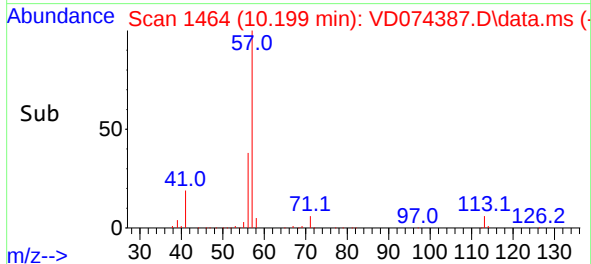
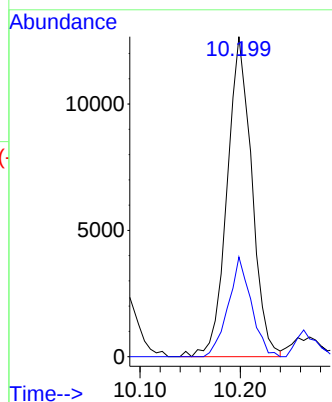
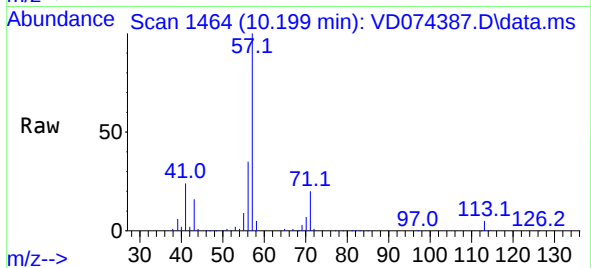




#51
4-Methyl-2-Pentanone
Concen: 30.315 ug/l
RT: 10.199 min Scan# 1457
Delta R.T. 0.042 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

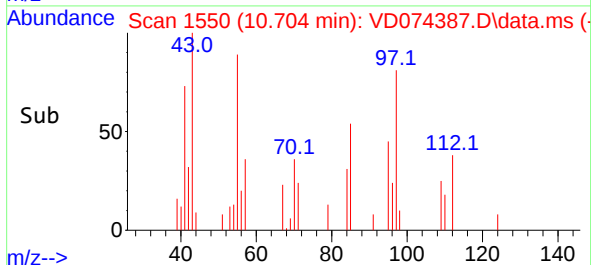
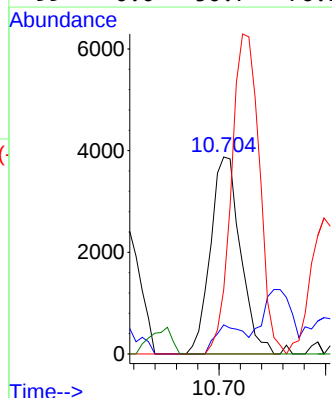
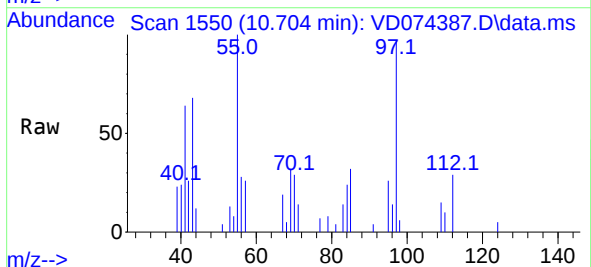
Instrument :
MSVOA_D
ClientSampleId :

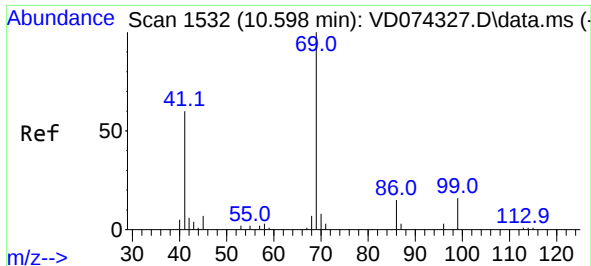
Tgt Ion: 43 Resp: 21697
Ion Ratio Lower Upper
43 100
58 29.0 33.3 49.9#



#55
1,1,2-Trichloroethane
Concen: 8.608 ug/l
RT: 10.704 min Scan# 1550
Delta R.T. -0.030 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 97 Resp: 7580
Ion Ratio Lower Upper
97 100
83 14.8 68.0 102.0#
85 32.6 45.8 68.8#
99 0.0 50.7 76.1#

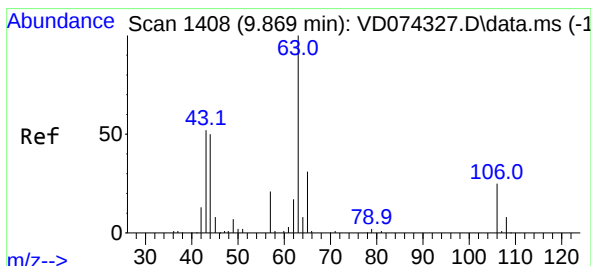
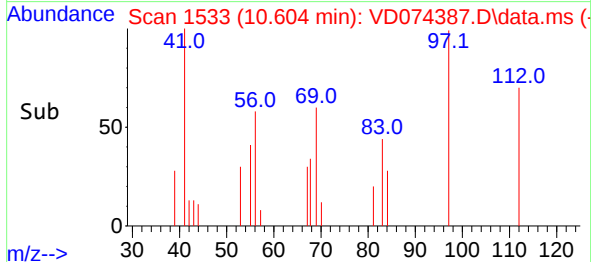
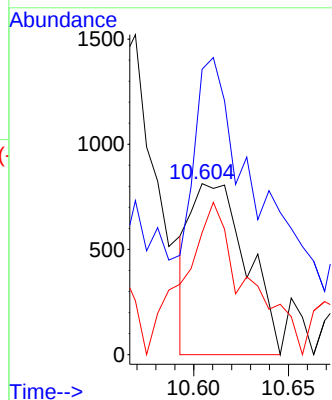
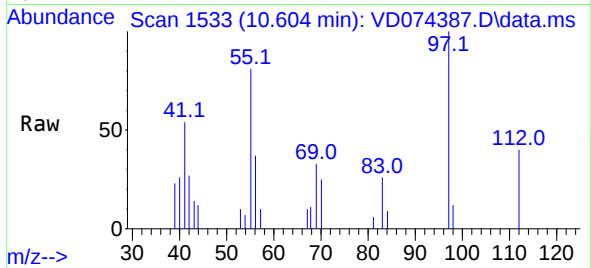




#56
Ethyl methacrylate
Concen: 1.457 ug/l
RT: 10.604 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

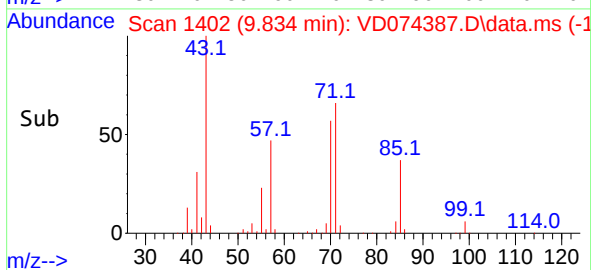
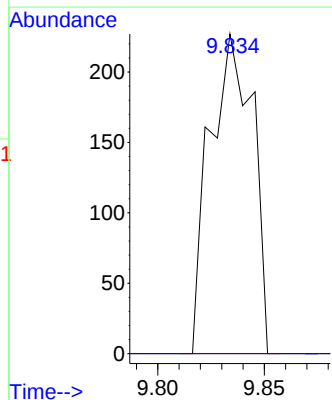
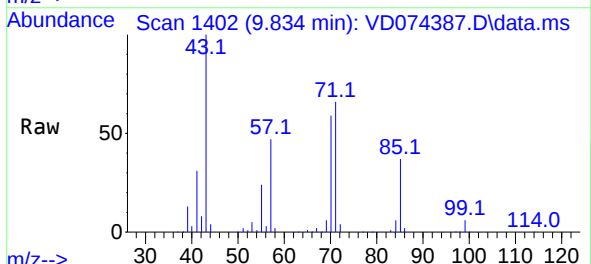
Instrument :
MSVOA_D
ClientSampleId :

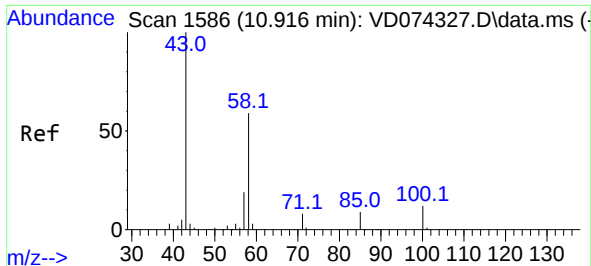
Tgt Ion: 69 Resp: 1681
Ion Ratio Lower Upper
69 100
41 196.7 49.4 74.2#
39 100.1 24.2 36.4#



#58
2-Chloroethyl Vinyl ether
Concen: 32.711 ug/l
RT: 9.834 min Scan# 1402
Delta R.T. -0.035 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 63 Resp: 319
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

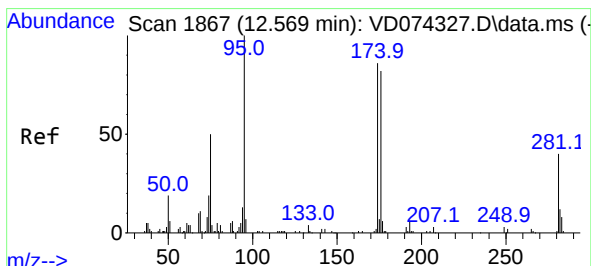
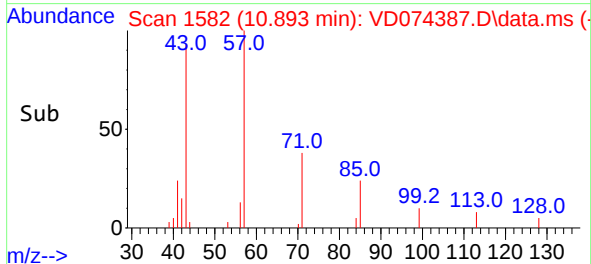
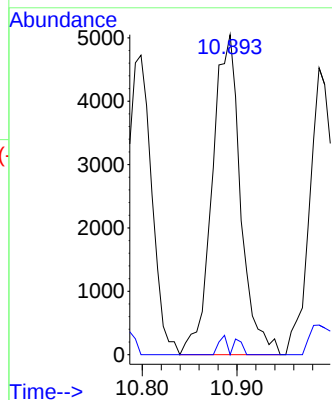
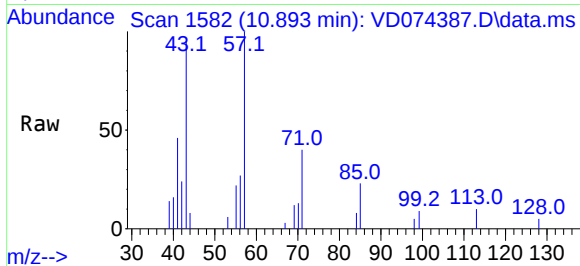




#59
2-Hexanone
Concen: 21.002 ug/l
RT: 10.893 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

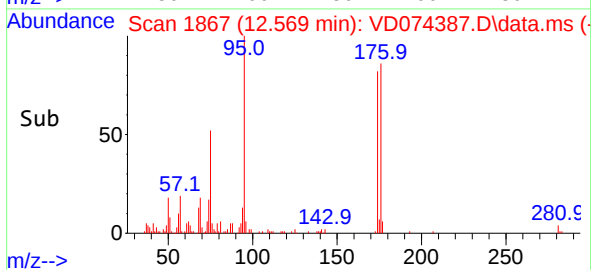
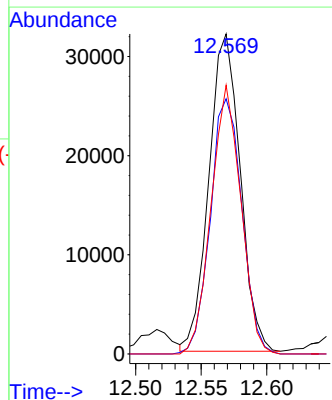
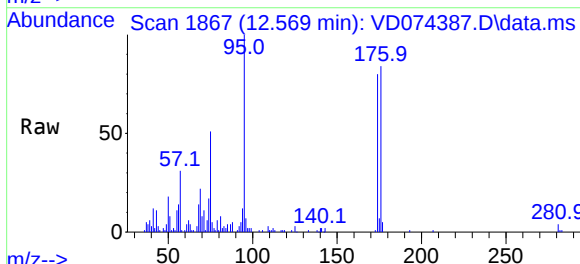
Instrument :
MSVOA_D
ClientSampleId :

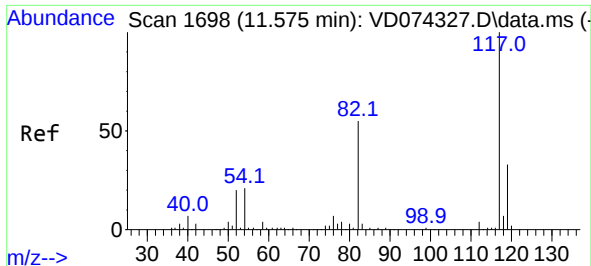
Tgt Ion: 43 Resp: 10514
Ion Ratio Lower Upper
43 100
58 1.7 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 36.002 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

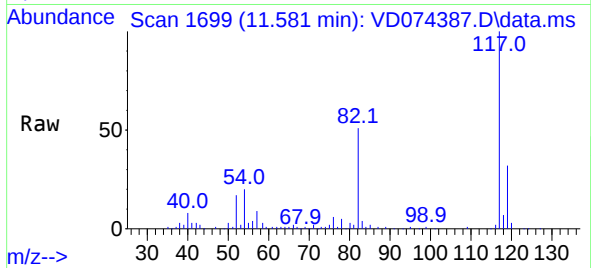
Tgt Ion: 95 Resp: 53091
Ion Ratio Lower Upper
95 100
174 81.3 0.0 179.2
176 80.5 0.0 171.4



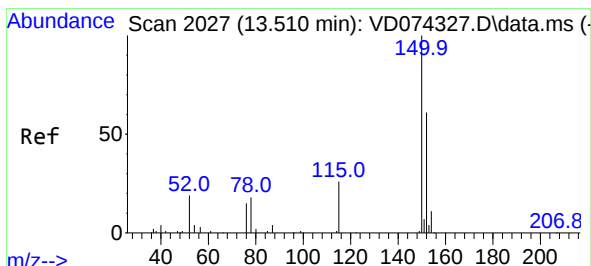
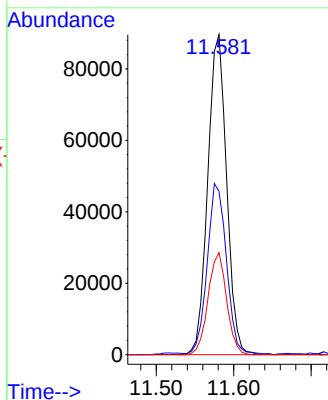
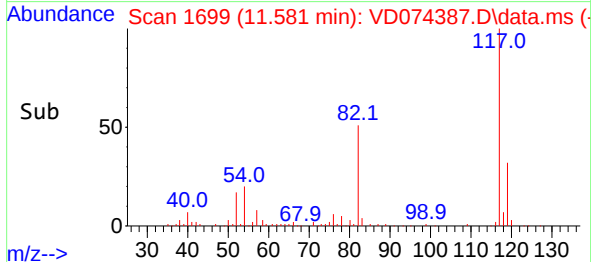


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

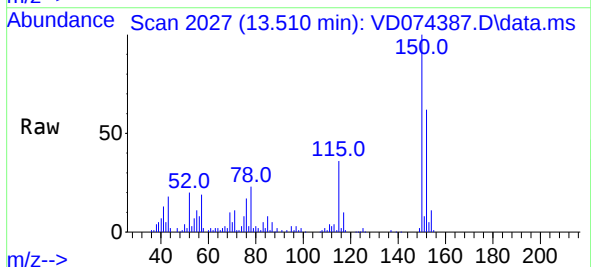
Instrument :
MSVOA_D
ClientSampleId :



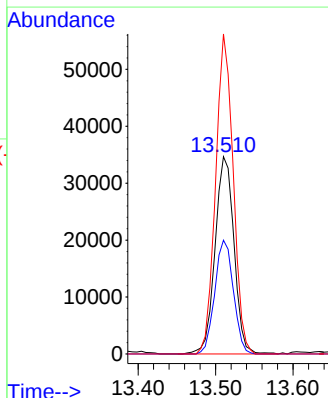
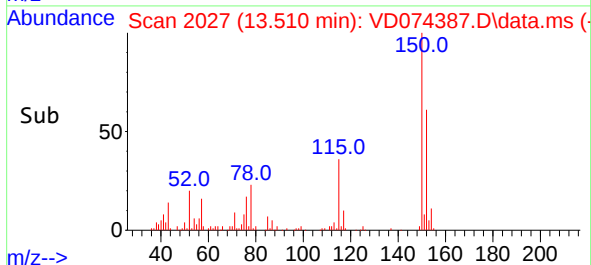
Tgt Ion:117 Resp: 151258
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 31.9 25.4 38.0

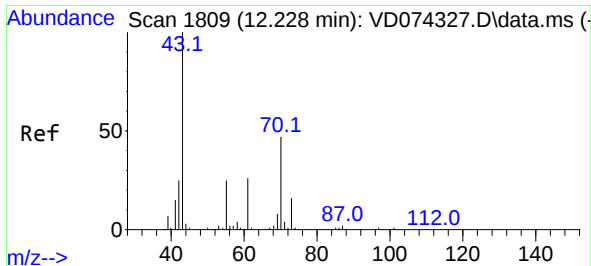


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17



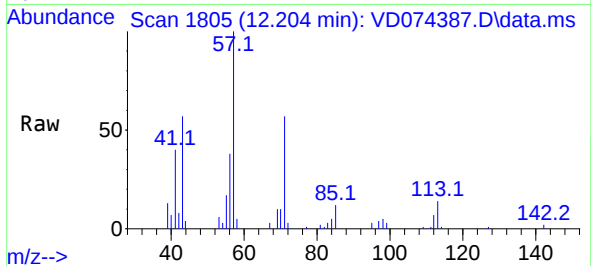
Tgt Ion:152 Resp: 58957
Ion Ratio Lower Upper
152 100
115 56.4 28.4 85.2
150 150.2 0.0 351.0



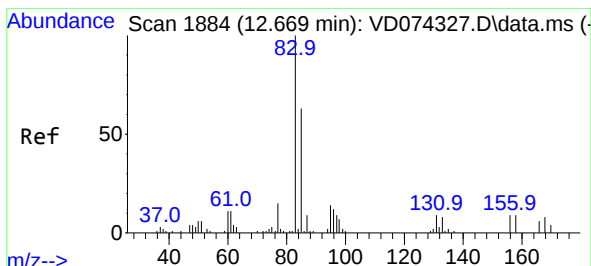
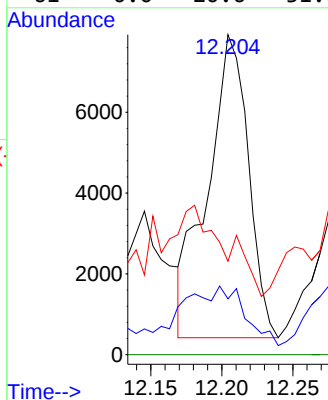
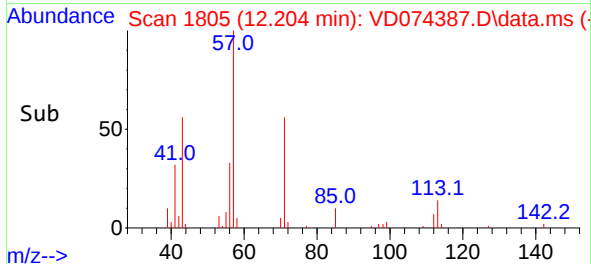


#74
N-amy1 acetate
Concen: 15.000 ug/l
RT: 12.204 min Scan# 1805
Delta R.T. -0.024 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

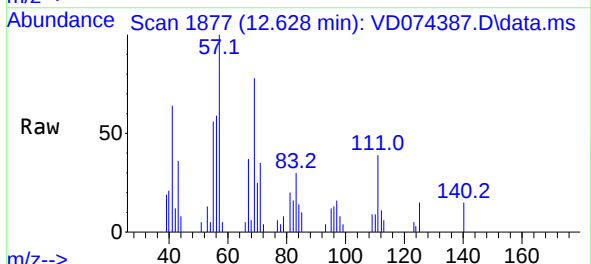
Instrument :
MSVOA_D
ClientSampleId :



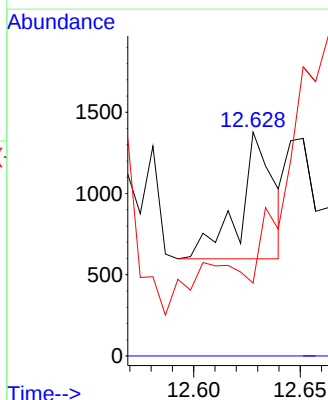
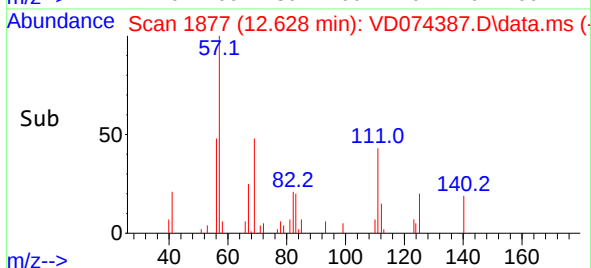
Tgt Ion: 43	Resp: 15032
Ion Ratio	Lower Upper
43 100	
70 0.0	34.6 51.8#
55 0.0	18.2 27.2#
61 0.0	20.6 31.0#

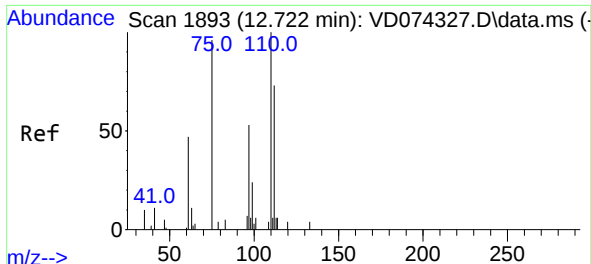


#75
1,1,2,2-Tetrachloroethane
Concen: 1.095 ug/l
RT: 12.628 min Scan# 1877
Delta R.T. -0.041 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17



Tgt Ion: 83	Resp: 863		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	4.9	14.7#	
85 0.0	32.3	96.9#	

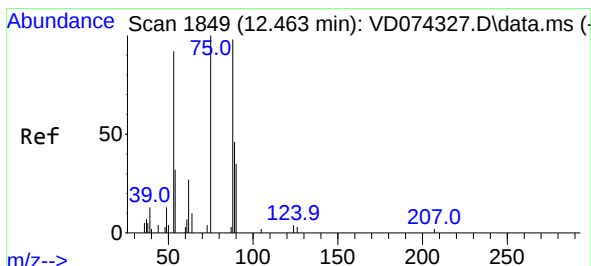
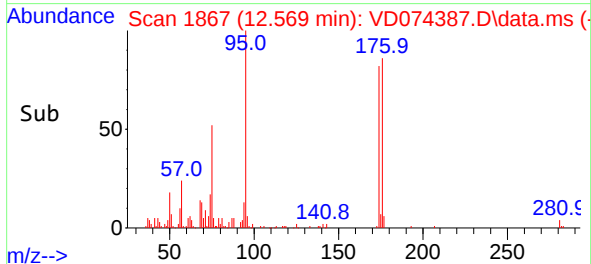
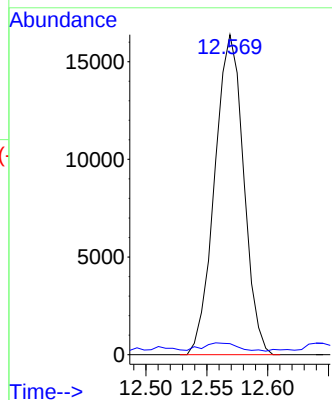
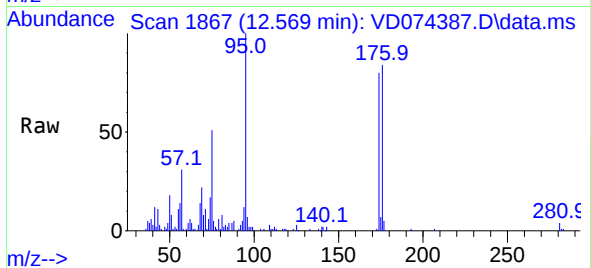




#76
1,2,3-Trichloropropane
Concen: 49.723 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

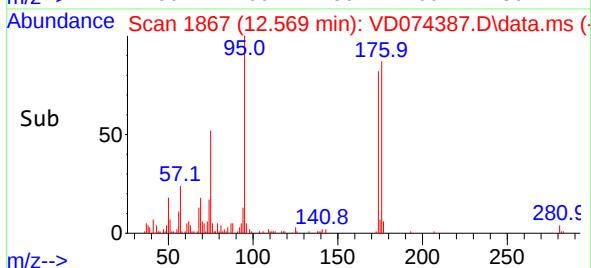
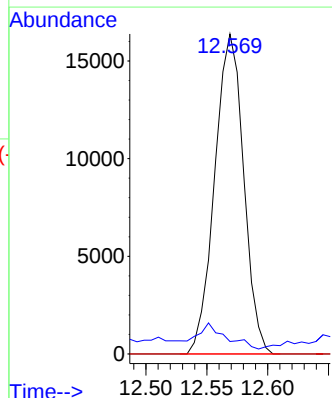
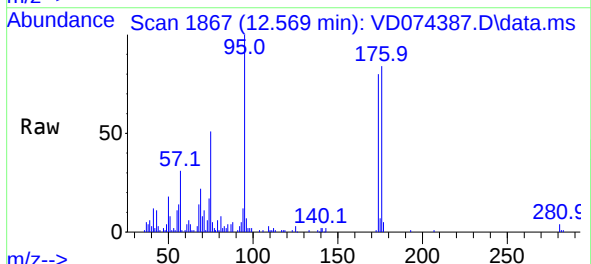
Instrument :
MSVOA_D
ClientSampleId :

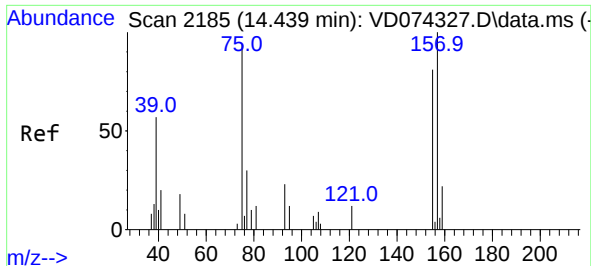
Tgt Ion: 75 Resp: 27123
Ion Ratio Lower Upper
75 100
77 3.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.618 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 75 Resp: 27123
Ion Ratio Lower Upper
75 100
53 7.5 0.0 0.0#
89 0.0 0.0 0.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.230 ug/l

RT: 14.492 min Scan# 2185

Delta R.T. 0.053 min

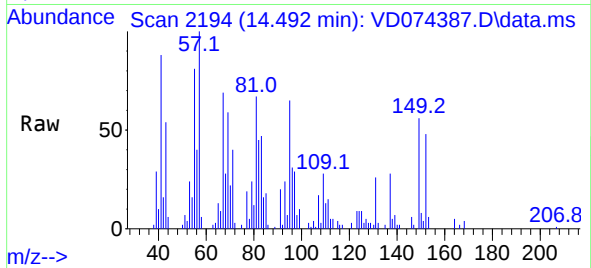
Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :



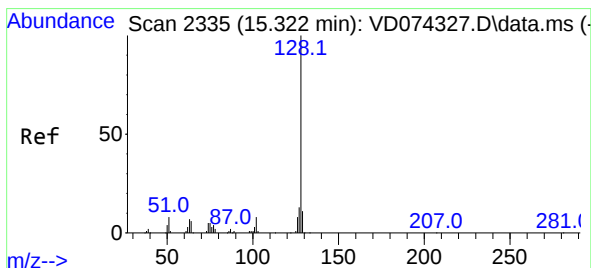
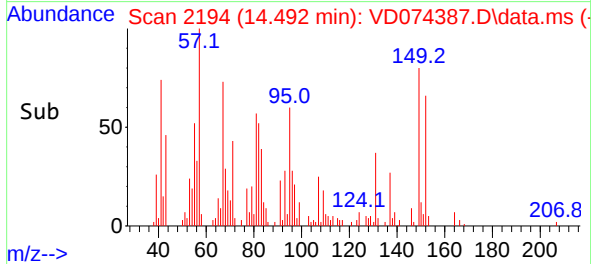
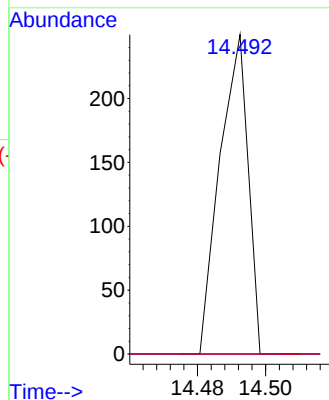
Tgt Ion: 75 Resp: 144

Ion Ratio Lower Upper

75 100

155 0.0 49.2 147.6#

157 0.0 62.1 186.2#



#95

Naphthalene

Concen: 1.172 ug/l

RT: 15.298 min Scan# 2331

Delta R.T. -0.024 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

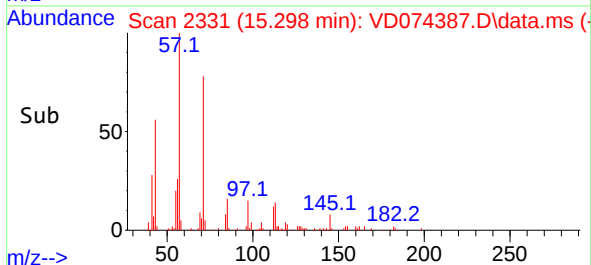
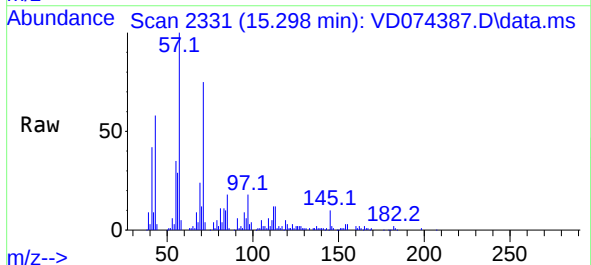
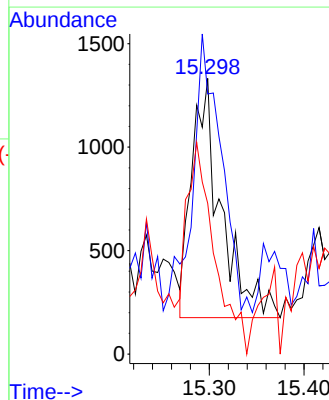
Tgt Ion:128 Resp: 2516

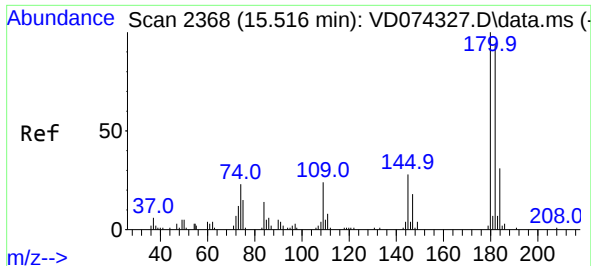
Ion Ratio Lower Upper

128 100

127 111.5 10.9 16.3#

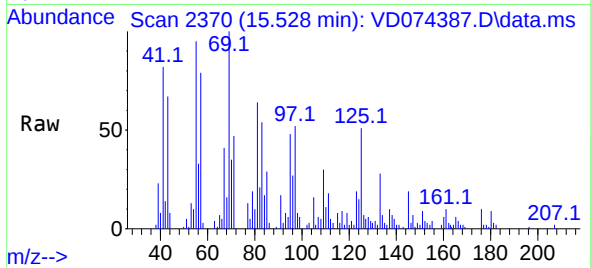
129 85.5 8.8 13.2#





#96
1,2,3-Trichlorobenzene
Concen: 1.101 ug/l
RT: 15.528 min Scan# 21
Delta R.T. 0.012 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:180 Resp: 1096
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 15.8 47.3#

