

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011123\
 Data File : VD075115.D
 Acq On : 11 Jan 2023 10:42
 Operator : KP/SY
 Sample : VD0111SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBL01

Quant Time: Jan 12 04:27:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

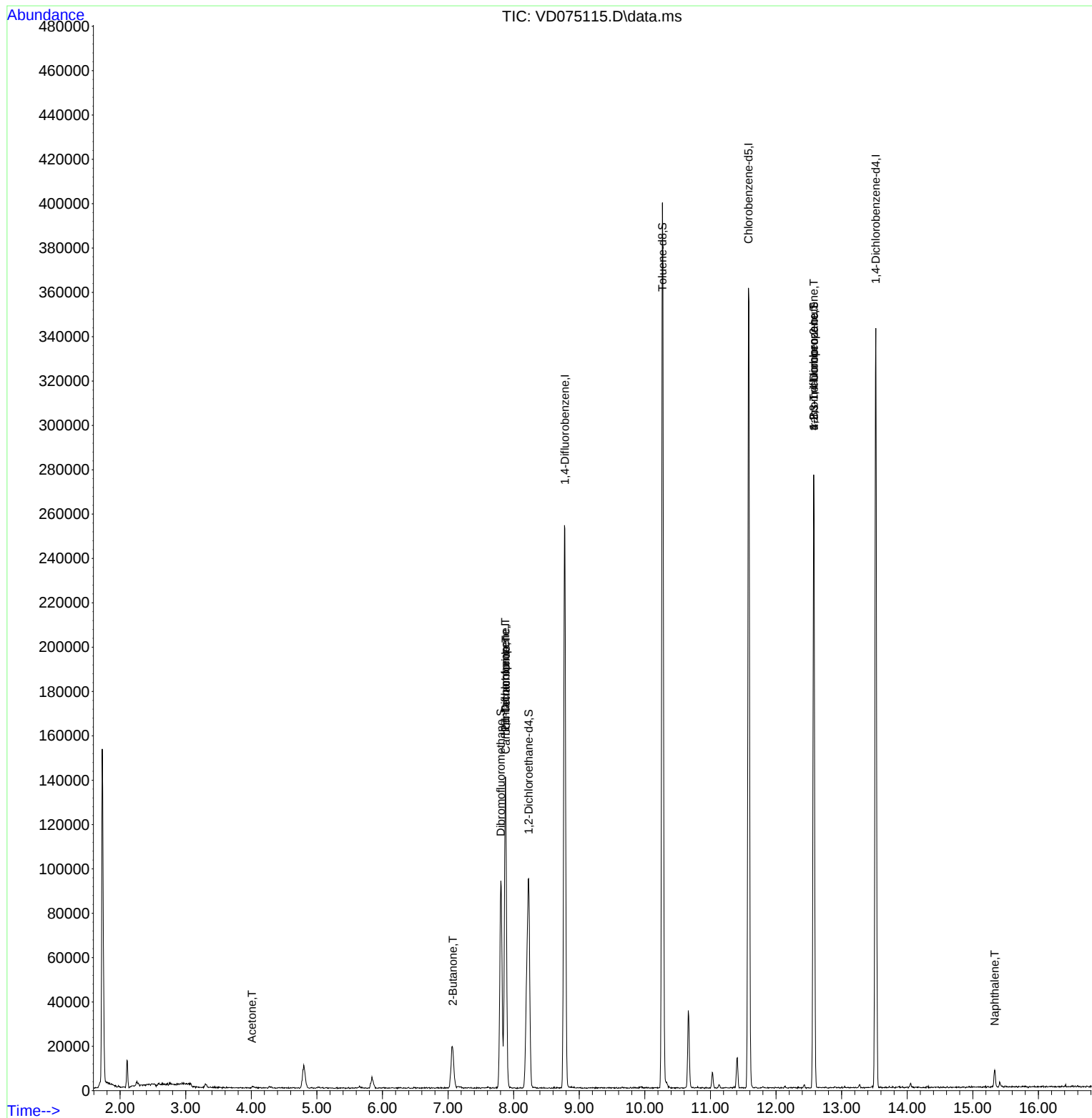
Internal Standards						
1) Pentafluorobenzene	7.875	168	104484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	226651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	87533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63387	60.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.020%			
35) Dibromofluoromethane	7.804	113	70449	49.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.820%			
50) Toluene-d8	10.269	98	278615	49.287	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.575	95	88799	48.940	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.880%			
Target Compounds						
3) Chloromethane	2.152	50	76	Below Cal	#	43
5) Bromomethane	2.687	94	62	Below Cal	#	4
11) Tert butyl alcohol	5.046	59	59	Below Cal	#	78
16) Acetone	4.011	43	1299	5.234	ug/l #	39
17) Carbon Disulfide	4.281	76	306	Below Cal	#	78
20) Methylene Chloride	4.799	84	7531	Below Cal		97
25) 2-Butanone	7.075	43	1884	5.730	ug/l #	47
31) Cyclohexane	7.875	56	2871	Below Cal	#	3
36) 1,1-Dichloropropene	7.875	75	9289	5.266	ug/l #	48
37) Ethyl Acetate	7.163	43	964	Below Cal	#	76
38) Carbon Tetrachloride	7.881	117	10774	6.972	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	46542	55.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	46542	147.989	ug/l #	15
95) Naphthalene	15.333	128	7275	2.244	ug/l	95

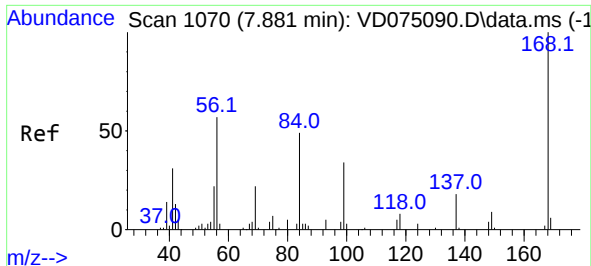
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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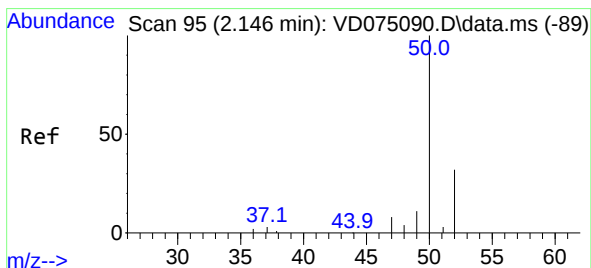
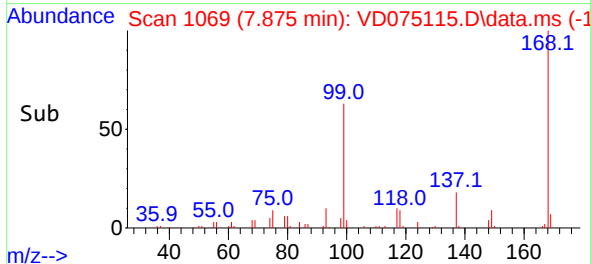
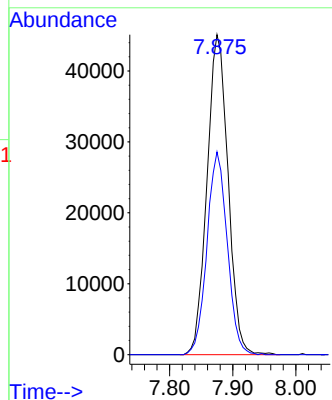
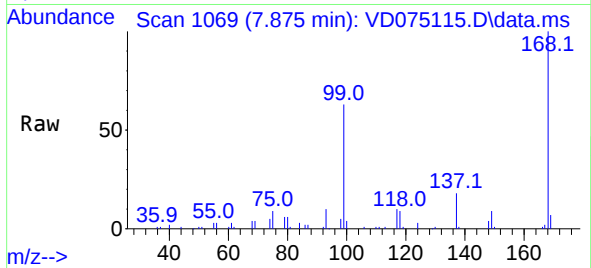




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

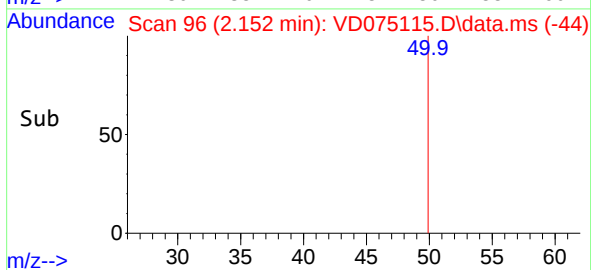
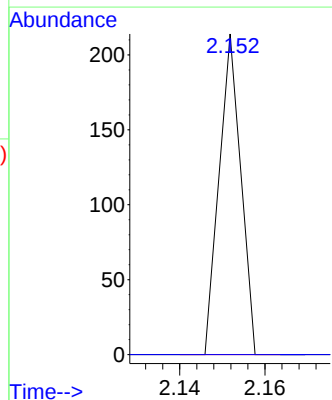
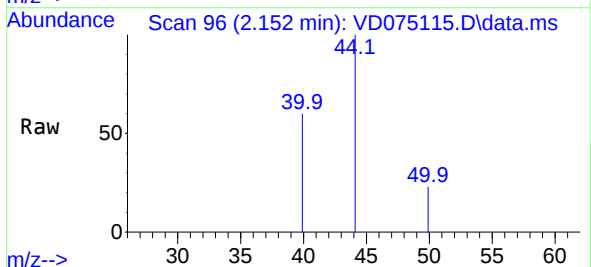
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

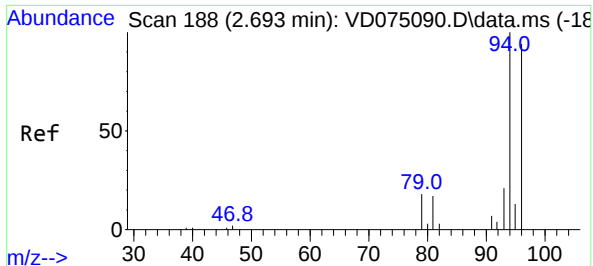
Tgt Ion:168 Resp: 104484
Ion Ratio Lower Upper
168 100
99 63.4 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 50 Resp: 76
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.687 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075115.D

Acq: 11 Jan 2023 10:42

Instrument :

MSVOA_D

ClientSampleId :

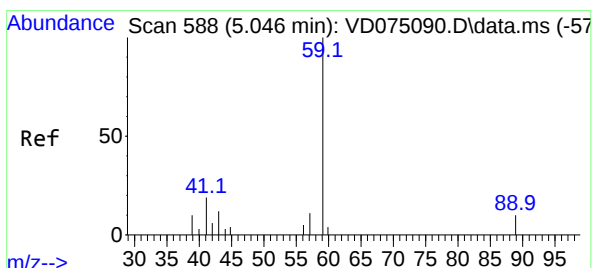
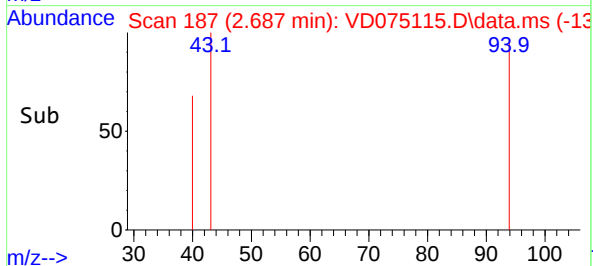
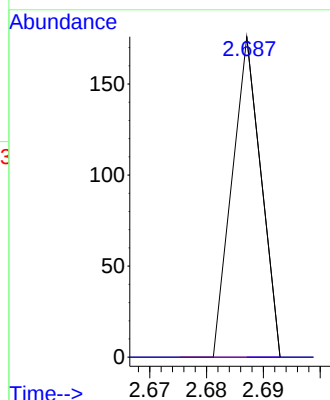
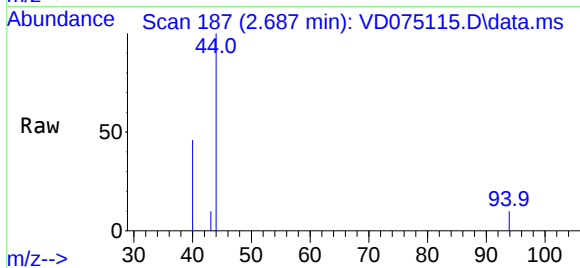
VD0111SBL01

Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

96 0.0 72.5 108.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.046 min Scan# 588

Delta R.T. -0.000 min

Lab File: VD075115.D

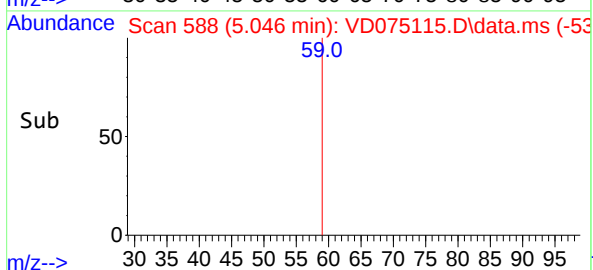
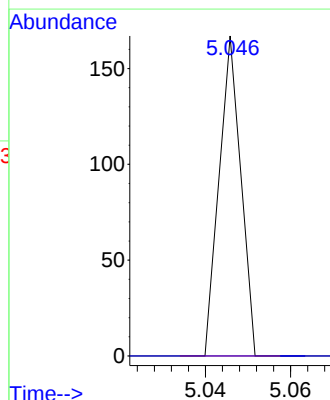
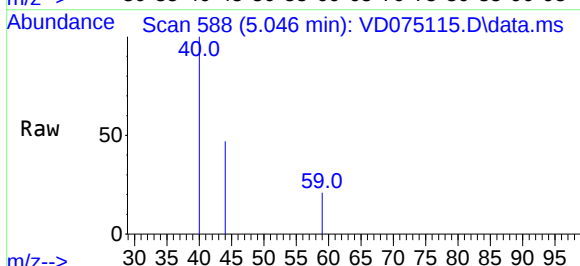
Acq: 11 Jan 2023 10:42

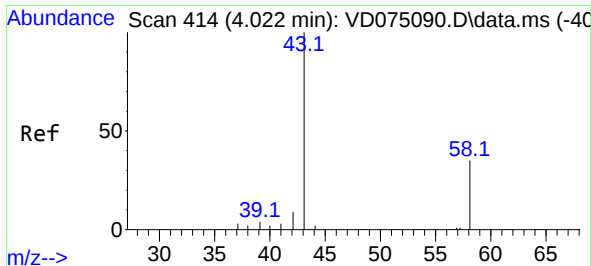
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 6.1 9.1#

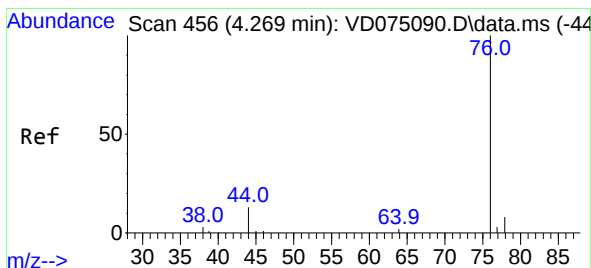
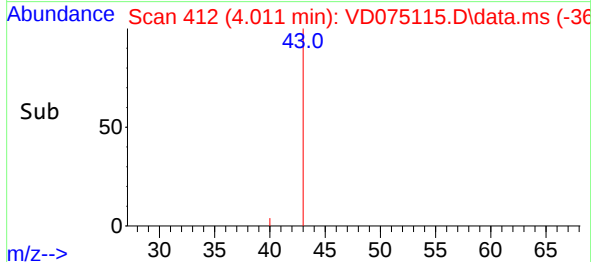
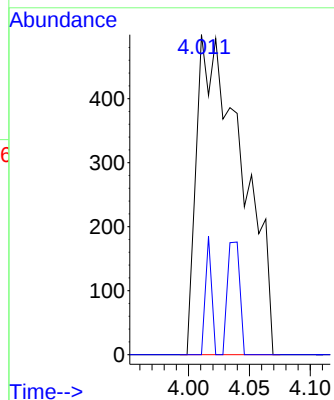
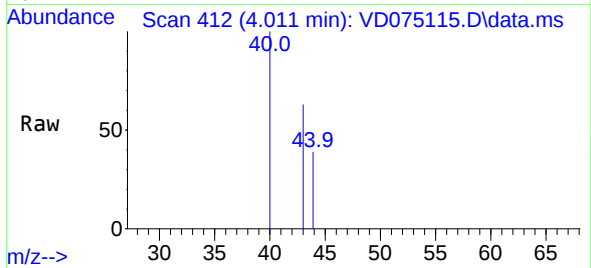




#16
Acetone
Concen: 5.234 ug/l
RT: 4.011 min Scan# 411
Delta R.T. -0.012 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

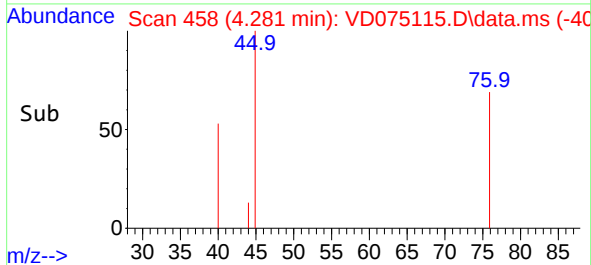
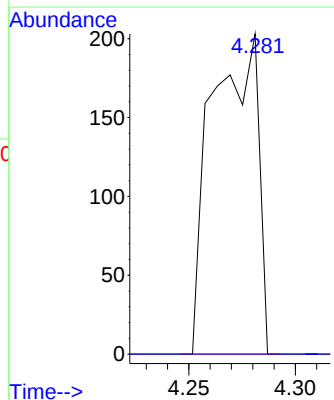
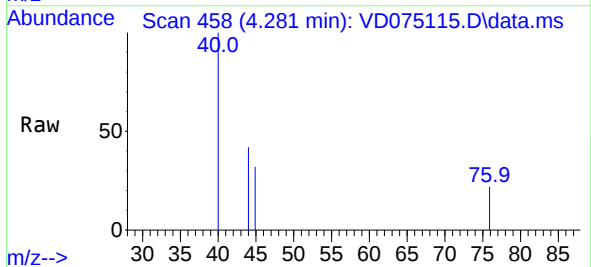
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

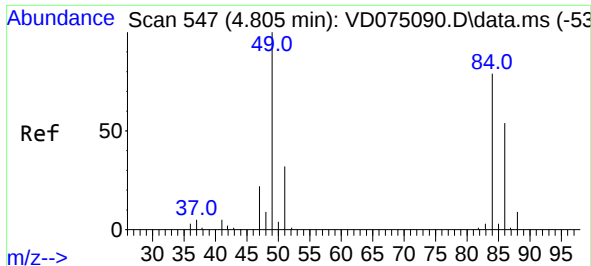
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.281 min Scan# 458
Delta R.T. 0.012 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 76 Resp: 306
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



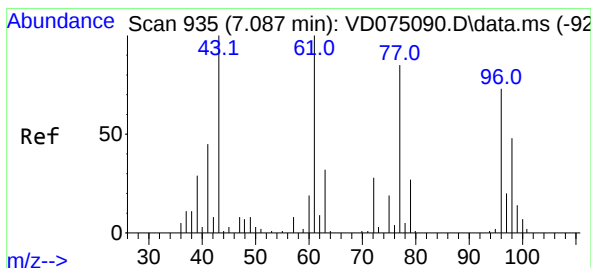
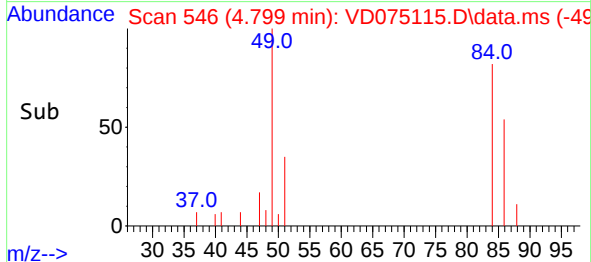
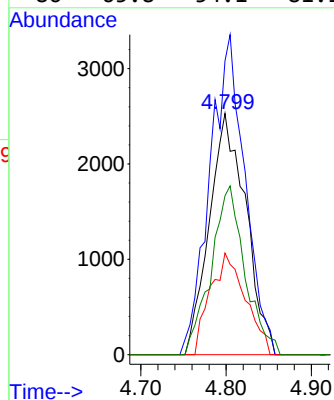
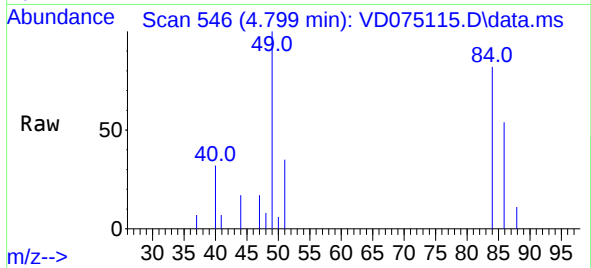


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

Tgt Ion: 84 Resp: 7531

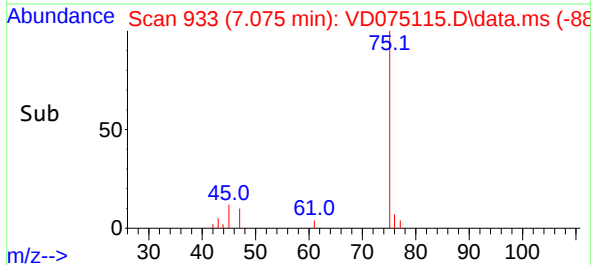
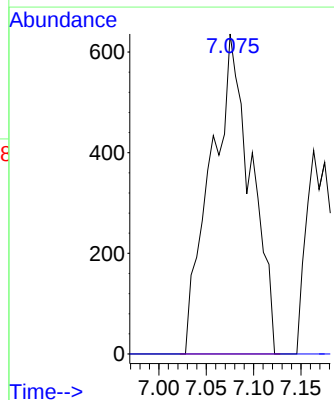
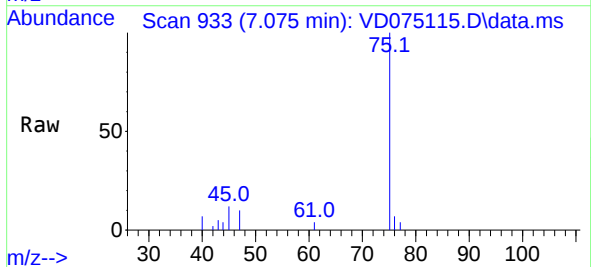
Ion	Ratio	Lower	Upper
84	100		
49	121.8	100.6	151.0
51	42.1	31.8	47.8
86	65.8	54.1	81.1

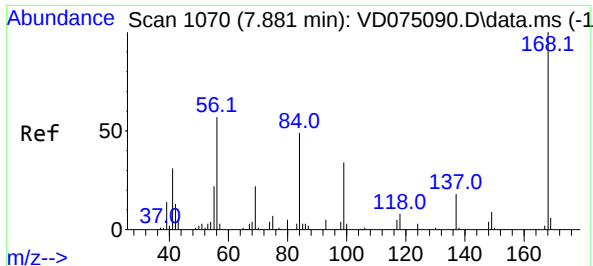


#25
2-Butanone
Concen: 5.730 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.012 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 43 Resp: 1884

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	33.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075115.D

Acq: 11 Jan 2023 10:42

Instrument :

MSVOA_D

ClientSampleId :

VD0111SBL01

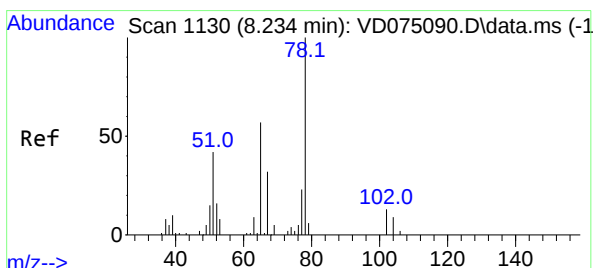
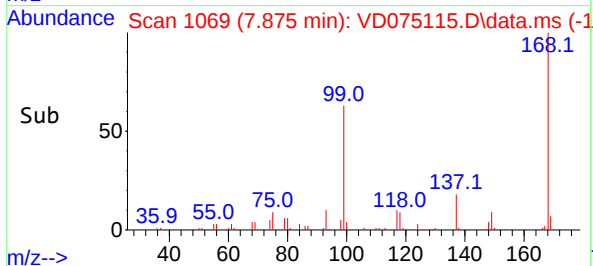
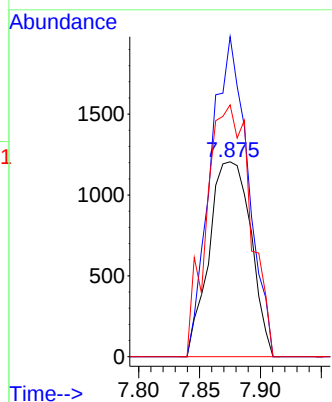
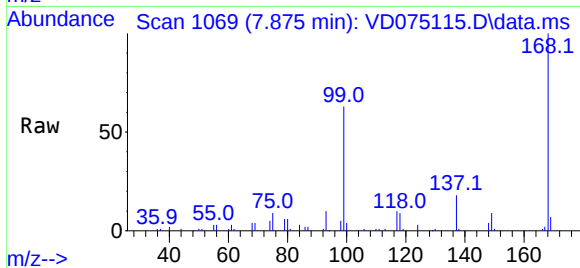
Tgt Ion: 56 Resp: 2871

Ion Ratio Lower Upper

56 100

69 164.2 30.4 45.6#

84 129.3 68.6 102.8#



#33

1,2-Dichloroethane-d4

Concen: 60.512 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075115.D

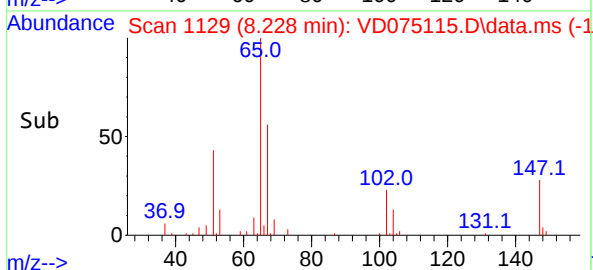
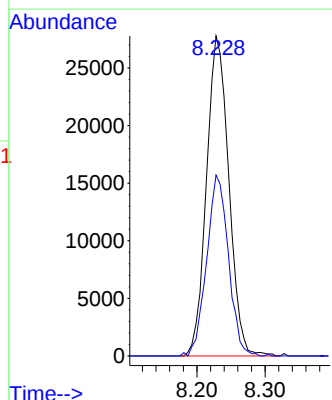
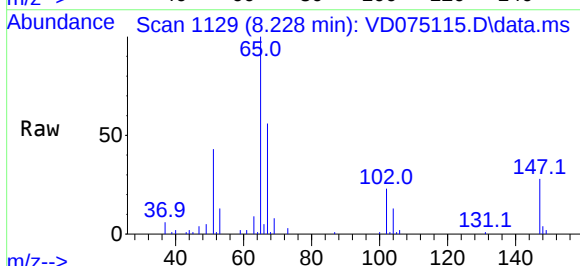
Acq: 11 Jan 2023 10:42

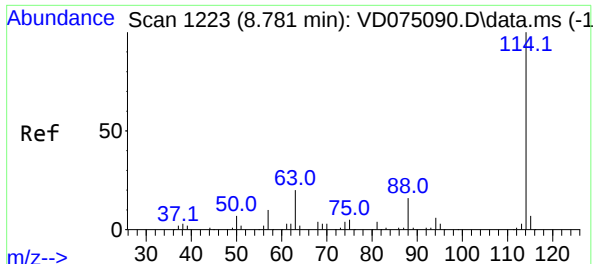
Tgt Ion: 65 Resp: 63387

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075115.D

Acq: 11 Jan 2023 10:42

Instrument :

MSVOA_D

ClientSampleId :

VD0111SBL01

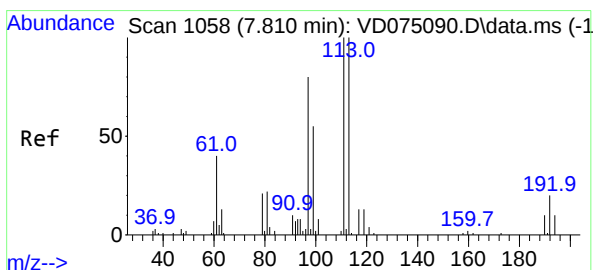
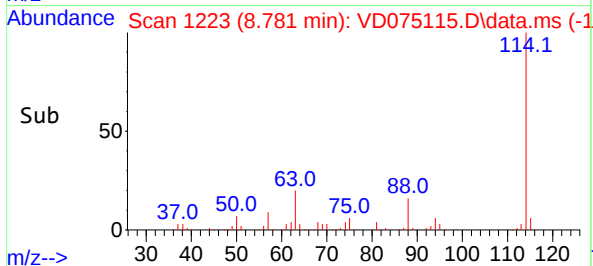
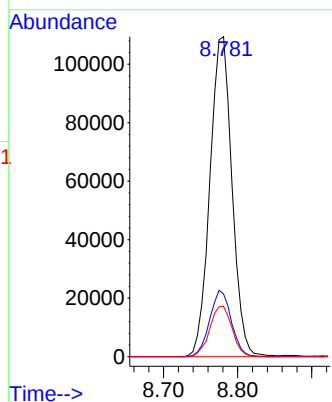
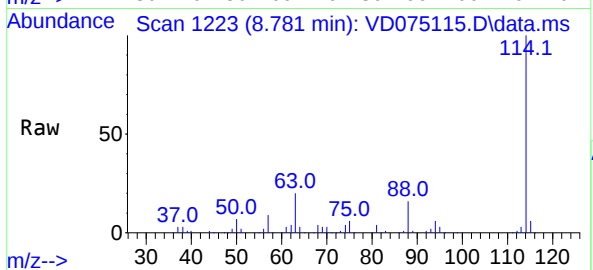
Tgt Ion:114 Resp: 226651

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.414 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075115.D

Acq: 11 Jan 2023 10:42

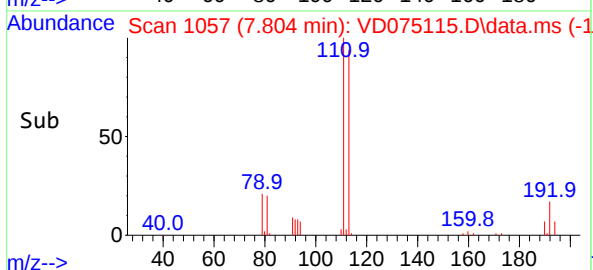
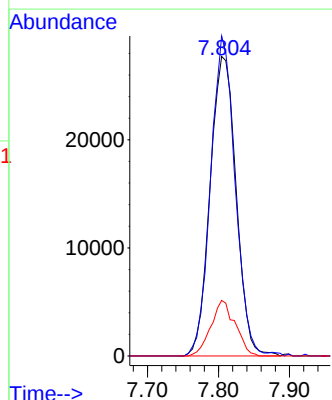
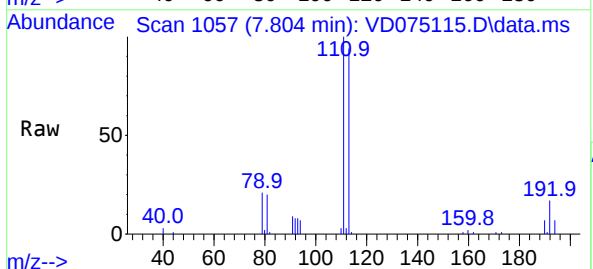
Tgt Ion:113 Resp: 70449

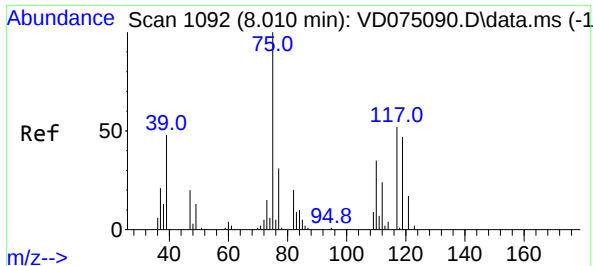
Ion Ratio Lower Upper

113 100

111 100.5 83.2 124.8

192 17.3 15.0 22.6

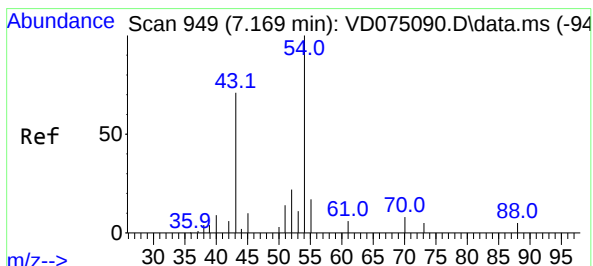
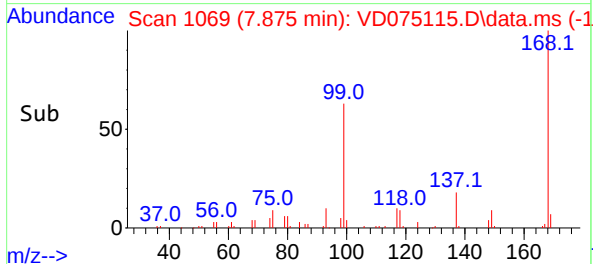
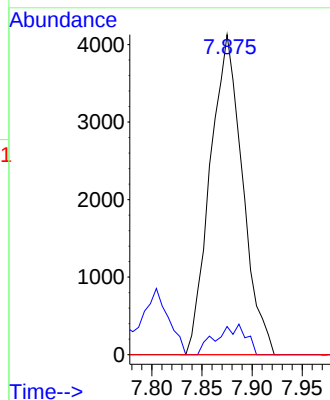
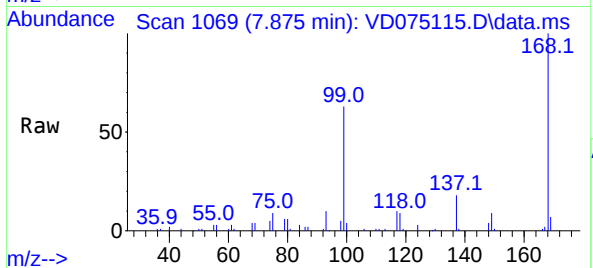




#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.135 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

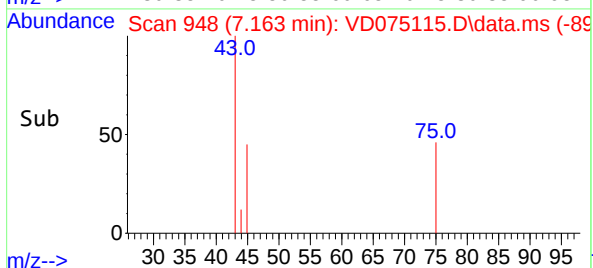
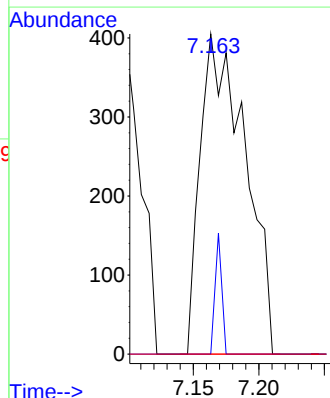
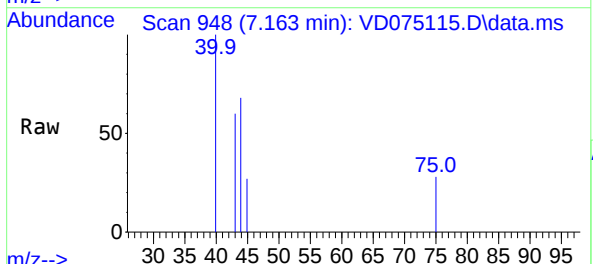
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

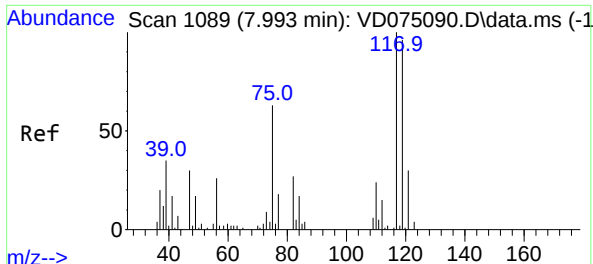
Tgt Ion: 75 Resp: 9289
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.3#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: Below Cal
RT: 7.163 min Scan# 948
Delta R.T. -0.006 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

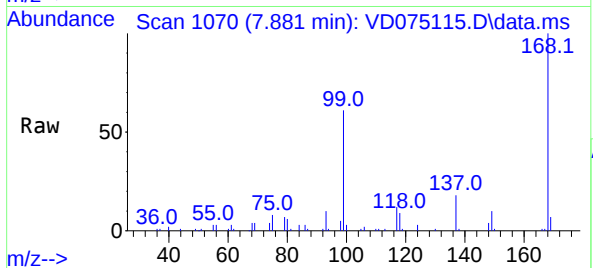
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
61 5.6 11.4 17.2#
70 0.0 8.4 12.6#



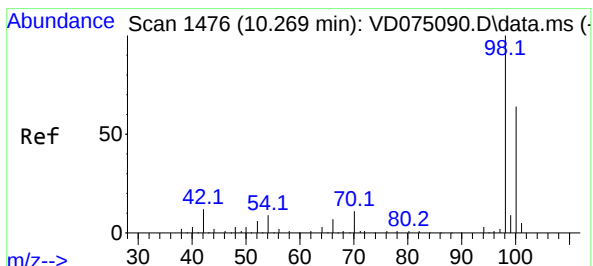
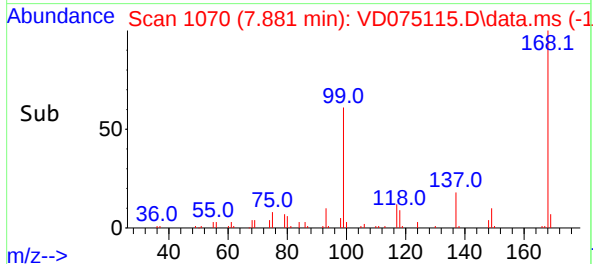
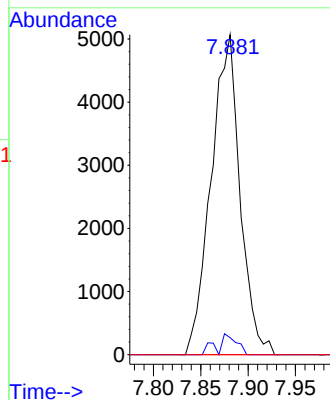


#38
Carbon Tetrachloride
Concen: 6.972 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

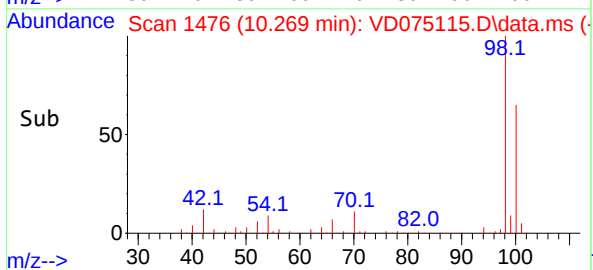
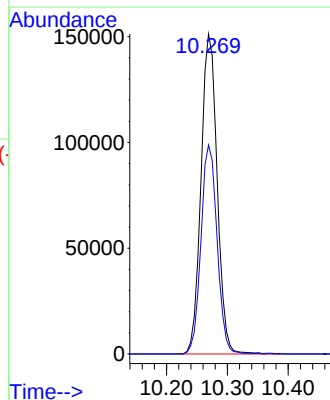
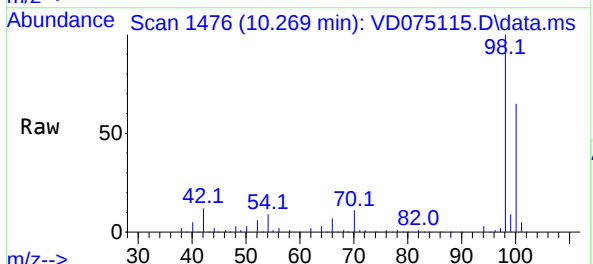


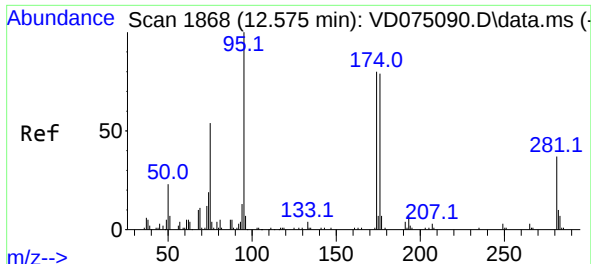
Tgt Ion:117 Resp: 10774
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 49.287 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 98 Resp: 278615
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

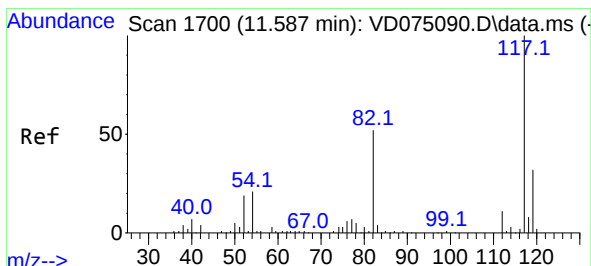
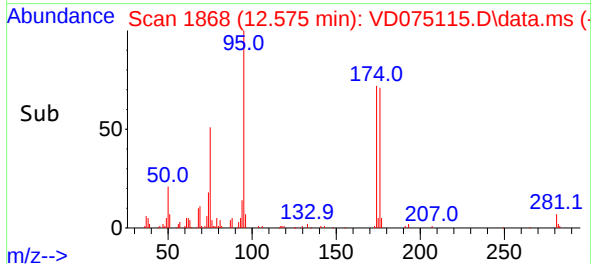
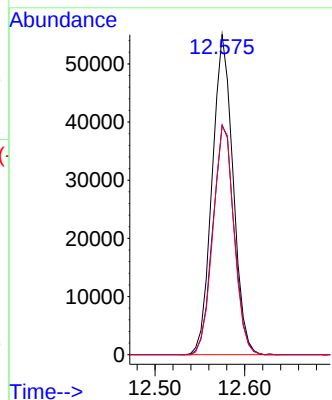
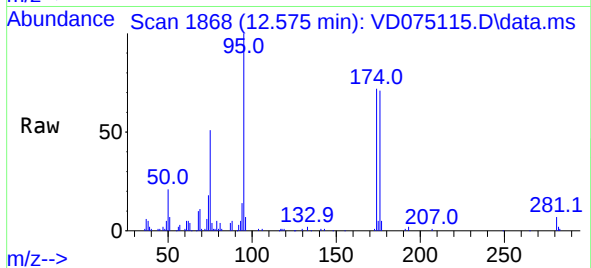




#62
4-Bromofluorobenzene
Concen: 48.940 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

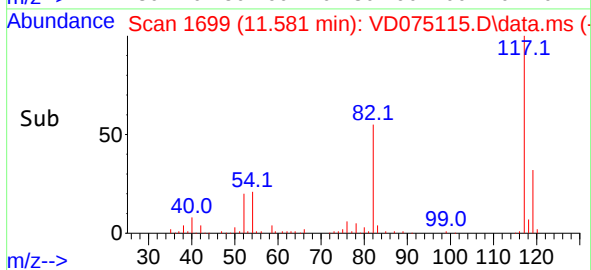
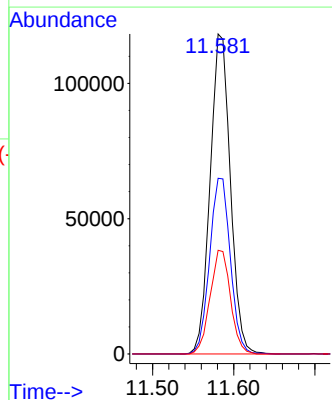
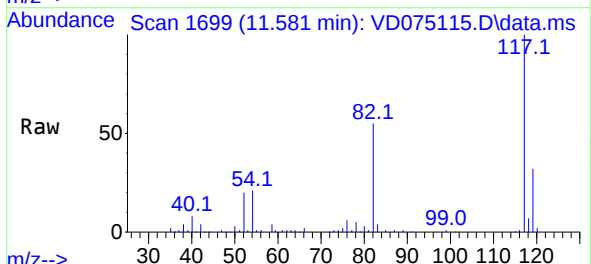
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

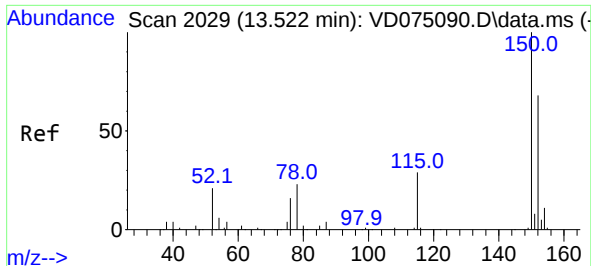
Tgt Ion: 95 Resp: 88799
Ion Ratio Lower Upper
95 100
174 73.1 0.0 168.4
176 72.2 0.0 163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 117 Resp: 204480
Ion Ratio Lower Upper
117 100
82 54.9 41.3 61.9
119 32.4 25.8 38.6

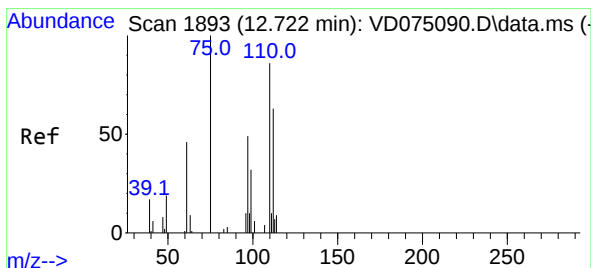
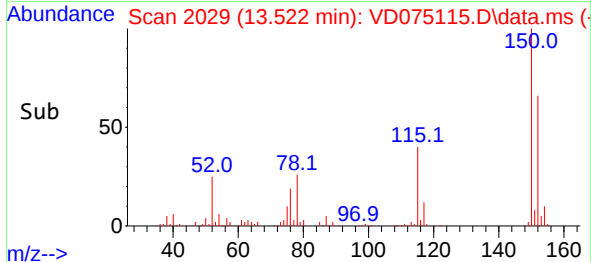
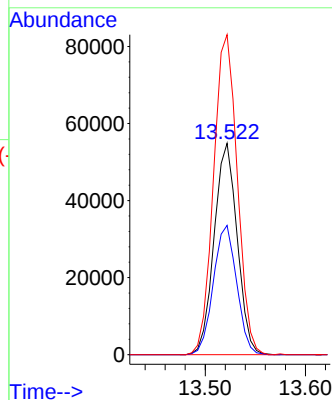
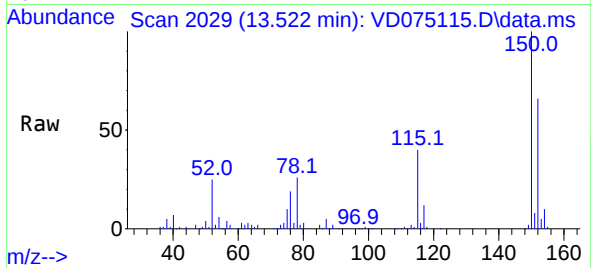




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

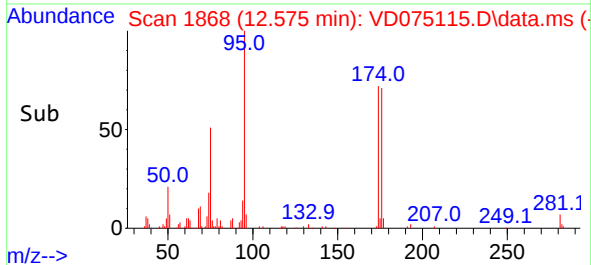
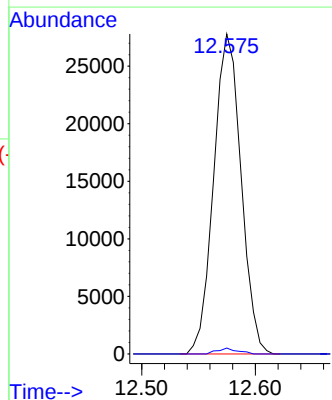
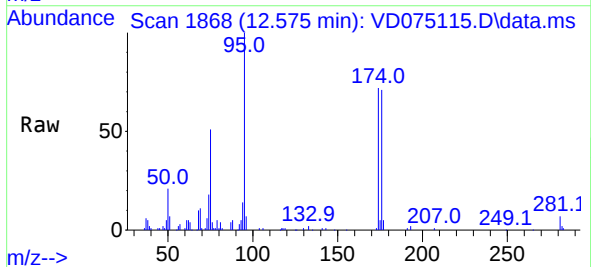
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

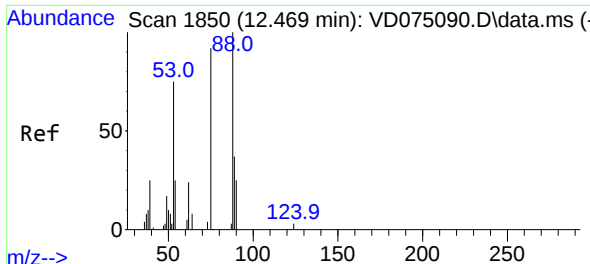
Tgt Ion:152 Resp: 87533
Ion Ratio Lower Upper
152 100
115 61.8 28.7 86.1
150 155.6 0.0 343.2



#76
1,2,3-Trichloropropane
Concen: 55.724 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 75 Resp: 46542
Ion Ratio Lower Upper
75 100
77 1.3 149.0 447.1#

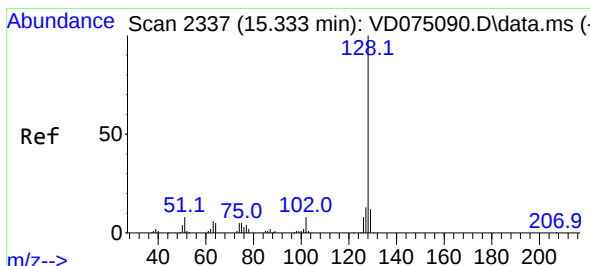
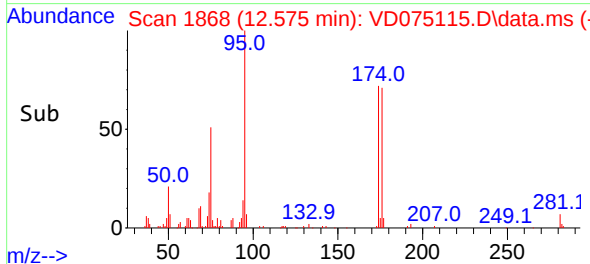
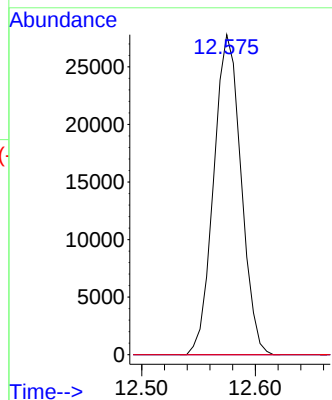
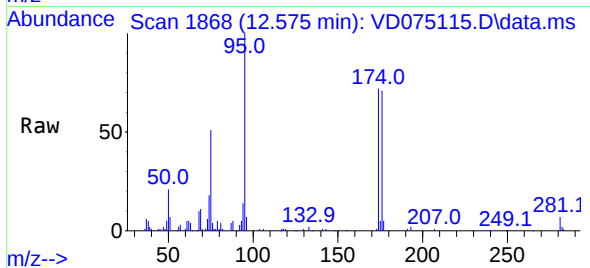




#81
trans-1,4-Dichloro-2-butene
Concen: 147.989 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

Tgt Ion: 75 Resp: 46542
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 2.244 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075115.D
Acq: 11 Jan 2023 10:42

Tgt Ion: 128 Resp: 7275
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 12.6 8.9 13.3

