

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
 Data File : VD072068.D
 Acq On : 23 Feb 2022 10:50
 Operator : VA/SY
 Sample : VD0223SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBL01

Quant Time: Feb 24 06:45:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

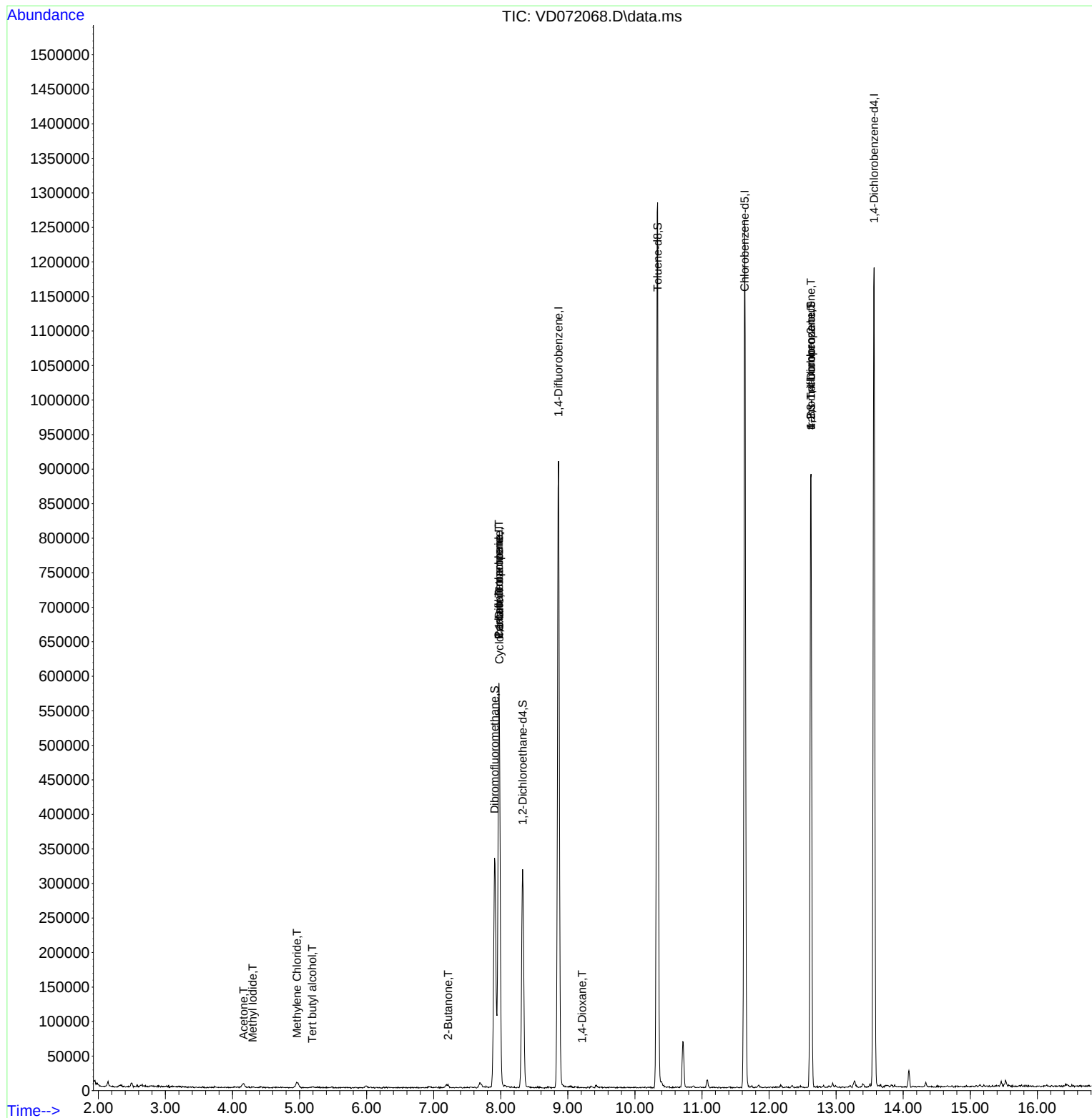
Internal Standards						
1) Pentafluorobenzene	7.973	168	437876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	695231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	320219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	257285	56.645	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.280%			
35) Dibromofluoromethane	7.908	113	241141	52.669	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.338	98	882340	51.967	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.626	95	300111	48.119	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.240%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	399	Below Cal	#	75
10) Methyl Iodide	4.303	142	1035	3.120	ug/l #	61
11) Tert butyl alcohol	5.191	59	870	3.357	ug/l #	80
16) Acetone	4.167	43	11389	11.602	ug/l	98
18) Methyl Acetate	4.703	43	79	Below Cal	#	52
20) Methylene Chloride	4.961	84	5937	1.215	ug/l	89
25) 2-Butanone	7.214	43	3572	2.633	ug/l #	82
31) Cyclohexane	7.979	56	10190	1.270	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	34447	4.967	ug/l #	49
38) Carbon Tetrachloride	7.973	117	44054	6.197	ug/l #	17
49) 1,4-Dioxane	9.214	88	84	2.570	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	152968	50.431	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	152968	126.291	ug/l #	10

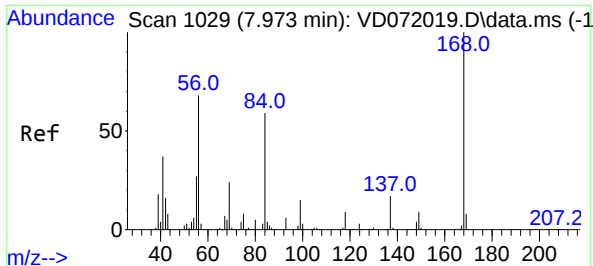
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
Data File : VD072068.D
Acq On : 23 Feb 2022 10:50
Operator : VA/SY
Sample : VD0223SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

Quant Time: Feb 24 06:45:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
Quant Title : SW846 8260
QLast Update : Sat Feb 19 04:05:38 2022
Response via : Initial Calibration

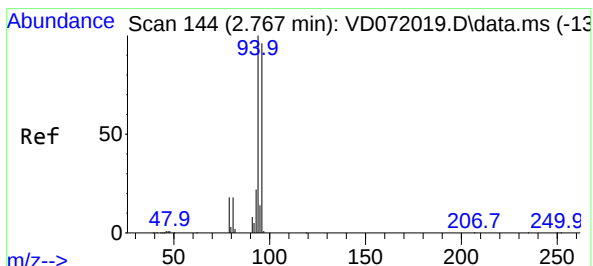
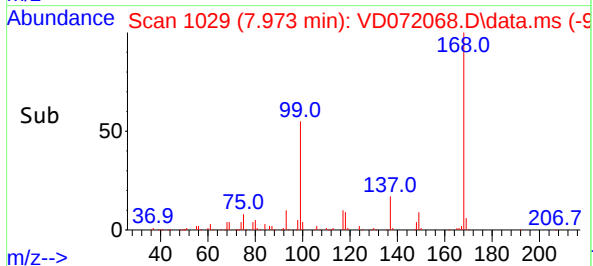
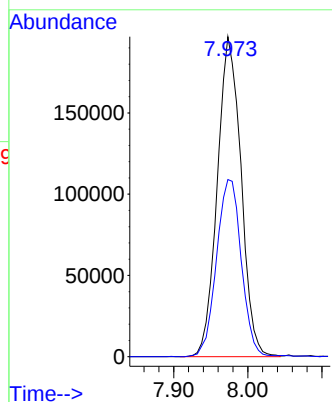
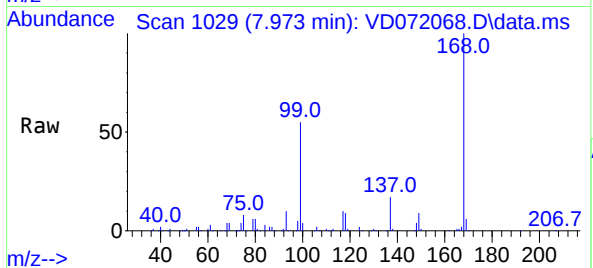




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

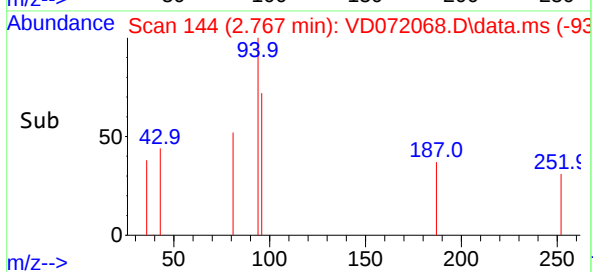
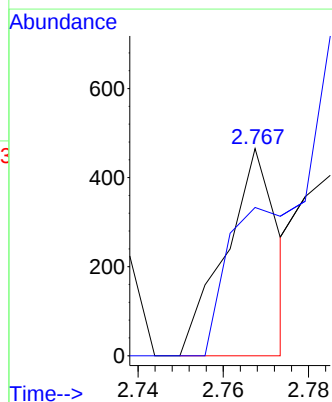
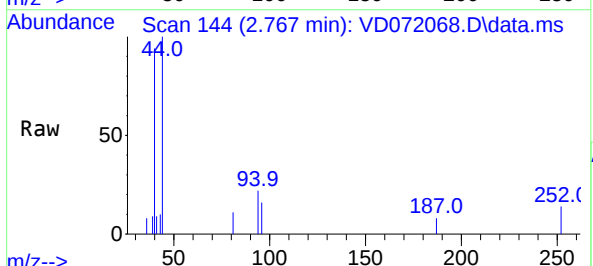
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

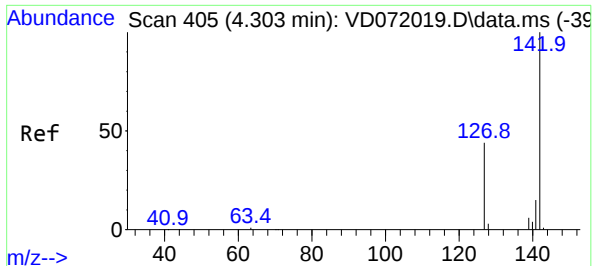
Tgt Ion:168 Resp: 437876
Ion Ratio Lower Upper
168 100
99 55.4 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 71.6 76.8 115.2#

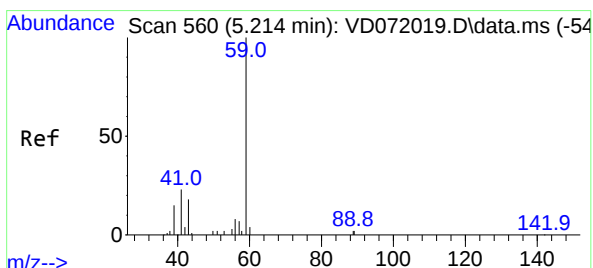
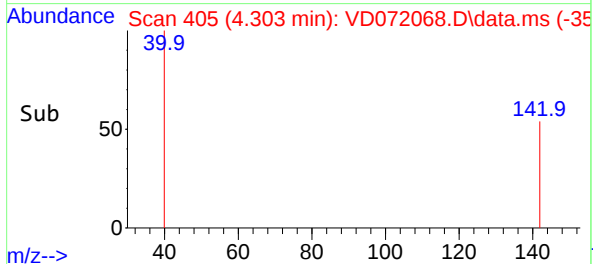
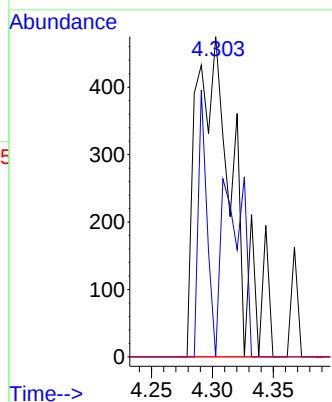
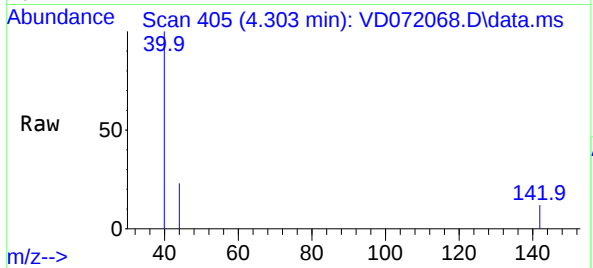




#10
Methyl Iodide
Concen: 3.120 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

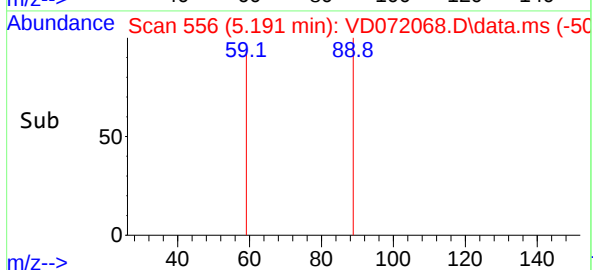
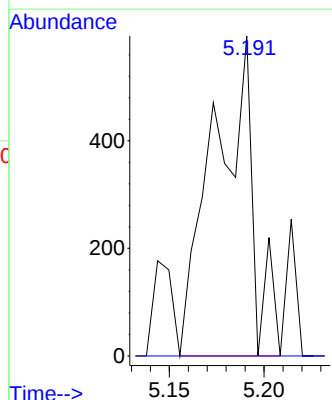
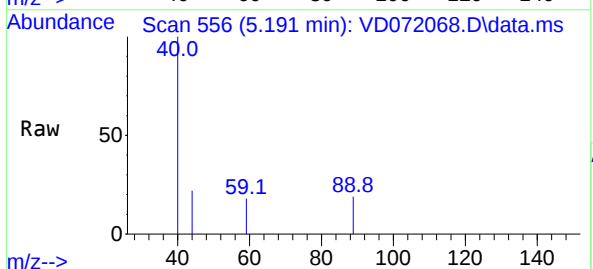
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

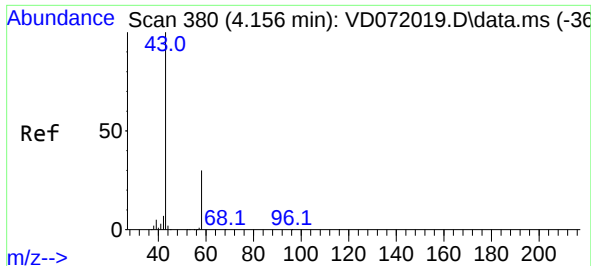
Tgt Ion:142 Resp: 1035
Ion Ratio Lower Upper
142 100
127 18.8 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.357 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion: 59 Resp: 870
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

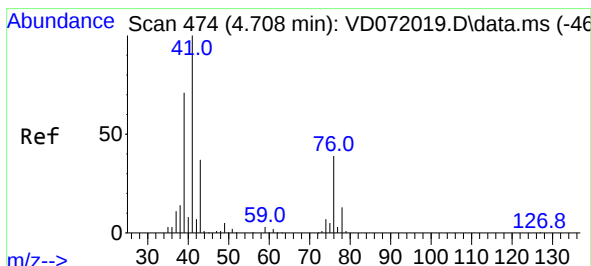
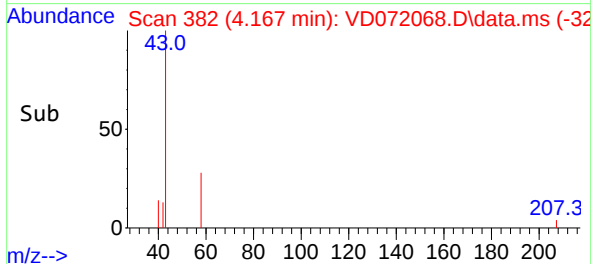
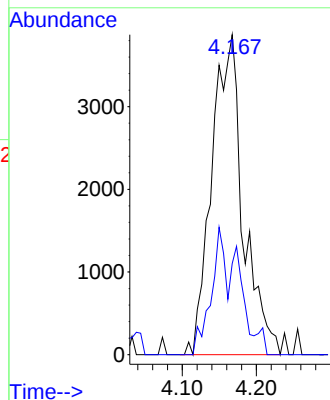
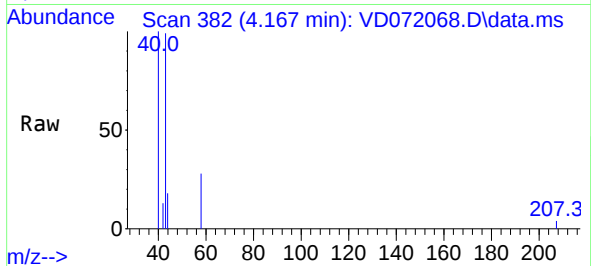




#16
Acetone
Concen: 11.602 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.011 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

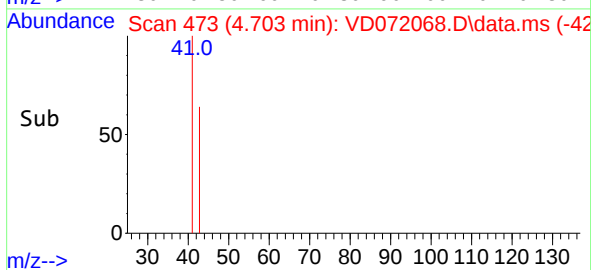
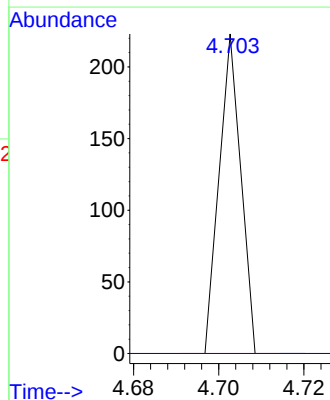
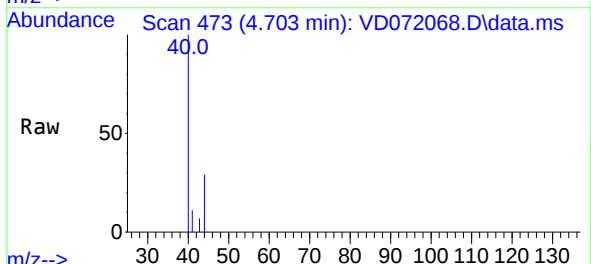
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

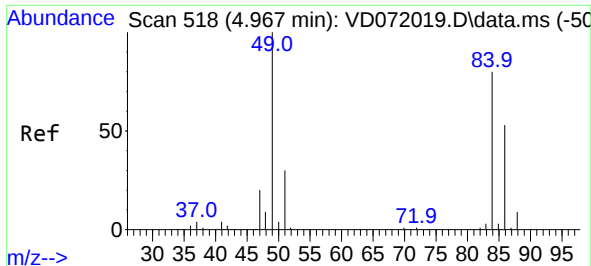
Tgt Ion: 43 Resp: 11389
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.005 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#





#20

Methylene Chloride

Concen: 1.215 ug/l

RT: 4.961 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD072068.D

Acq: 23 Feb 2022 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0223SBL01

Tgt Ion: 84 Resp: 5937

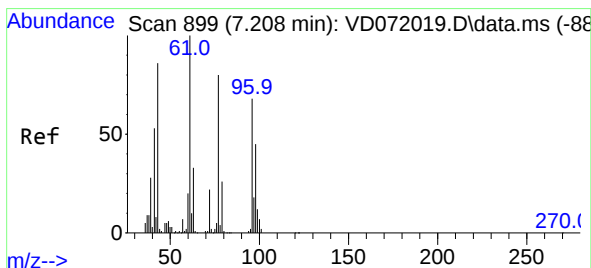
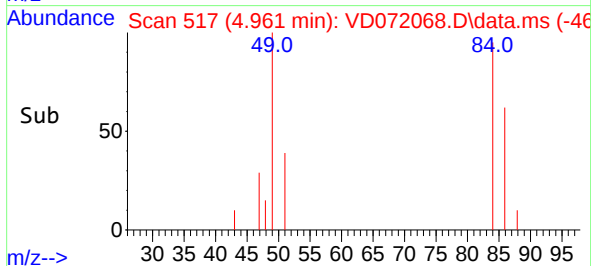
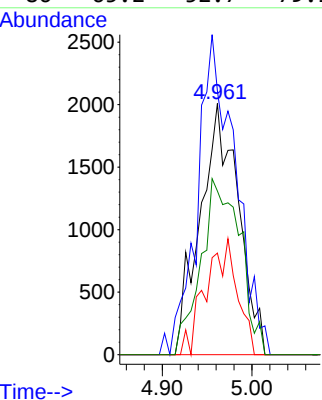
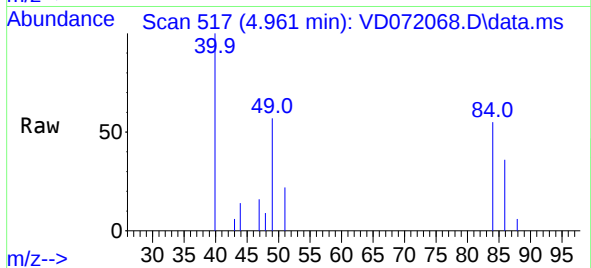
Ion Ratio Lower Upper

84 100

49 105.1 100.0 150.0

51 40.5 30.2 45.4

86 65.2 52.7 79.1



#25

2-Butanone

Concen: 2.633 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.006 min

Lab File: VD072068.D

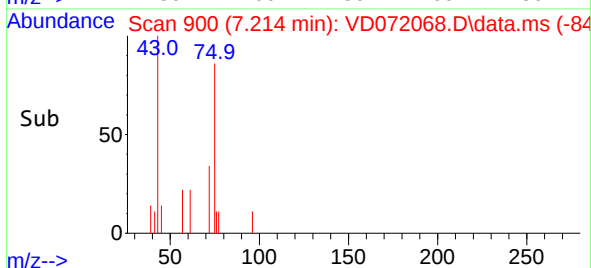
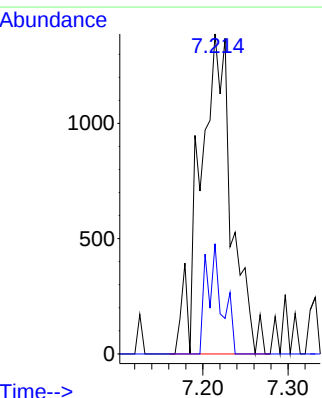
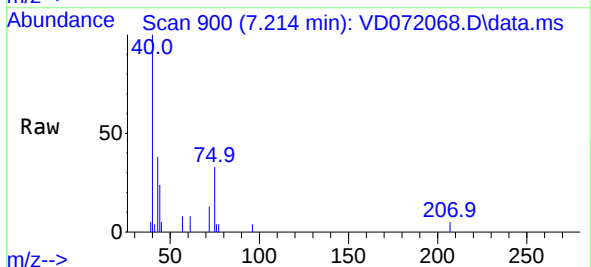
Acq: 23 Feb 2022 10:50

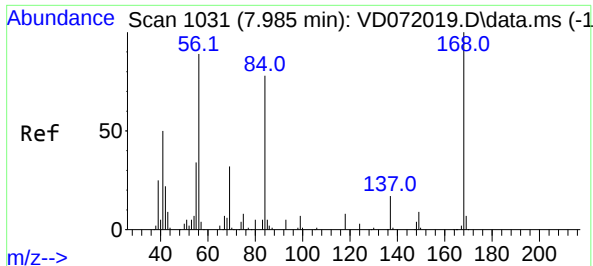
Tgt Ion: 43 Resp: 3572

Ion Ratio Lower Upper

43 100

72 34.4 20.3 30.5#

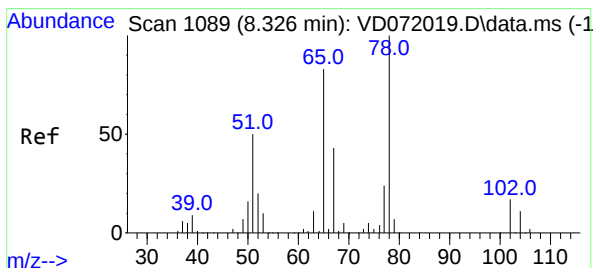
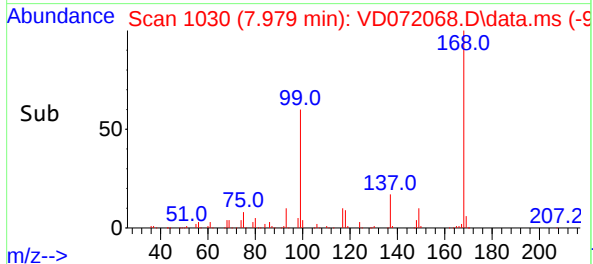
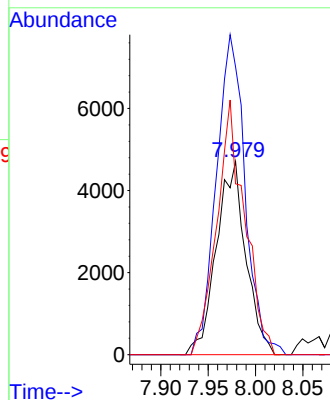
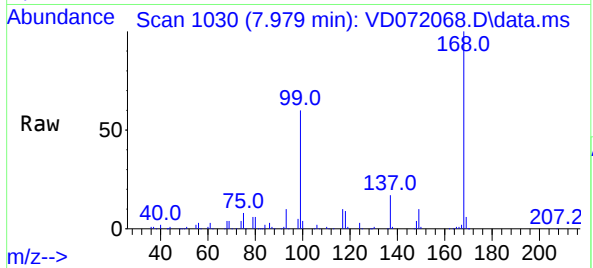




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

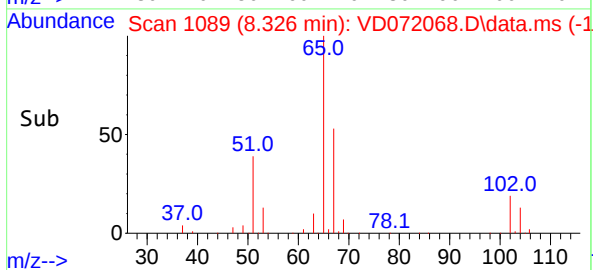
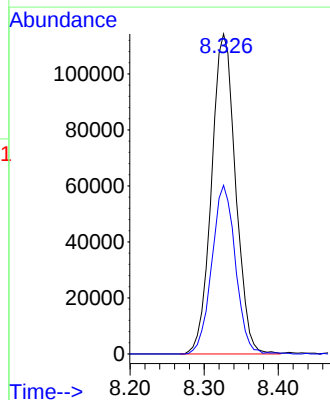
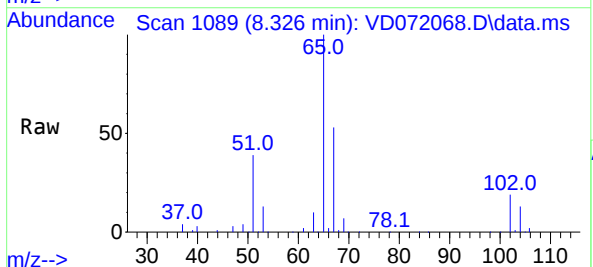
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

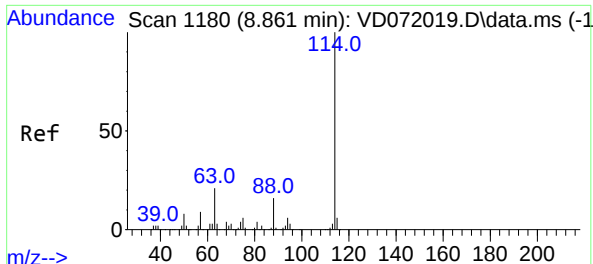
Tgt Ion: 56 Resp: 10190
Ion Ratio Lower Upper
56 100
69 149.0 28.9 43.3#
84 88.4 70.6 105.8



#33
1,2-Dichloroethane-d4
Concen: 56.645 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion: 65 Resp: 257285
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.6

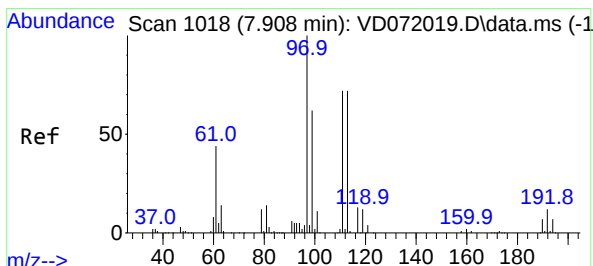
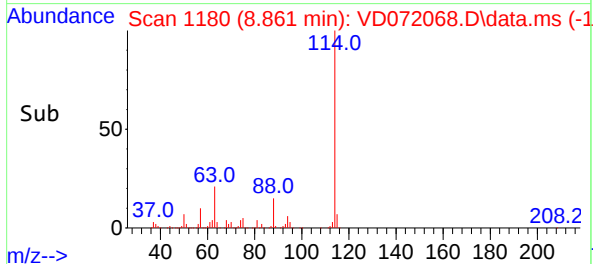
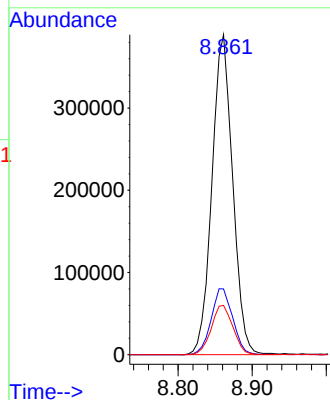
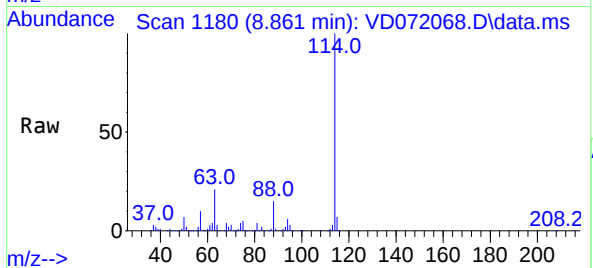




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

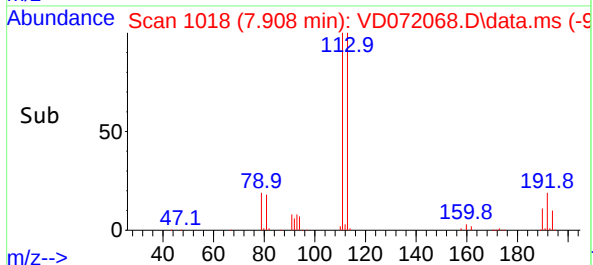
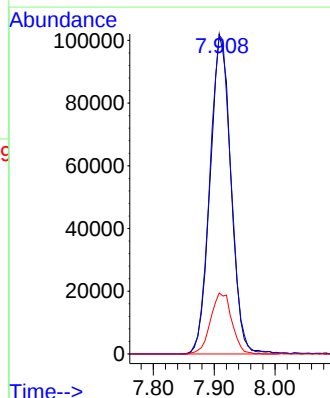
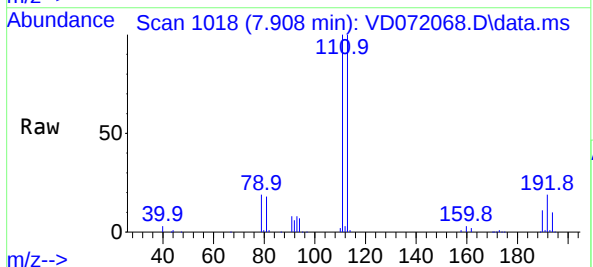
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

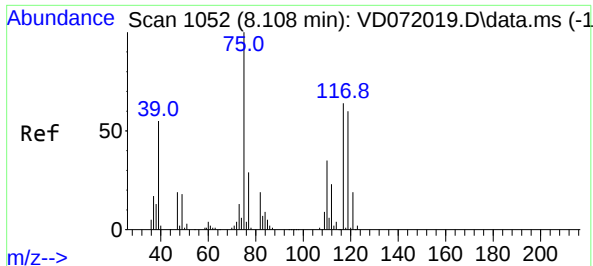
Tgt Ion:114 Resp: 755682
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.2
88 15.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.669 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion:113 Resp: 241141
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.4
192 19.5 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072068.D

Acq: 23 Feb 2022 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0223SBL01

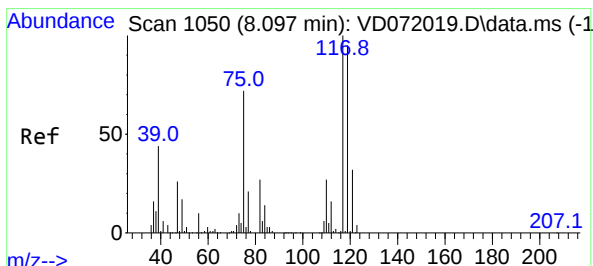
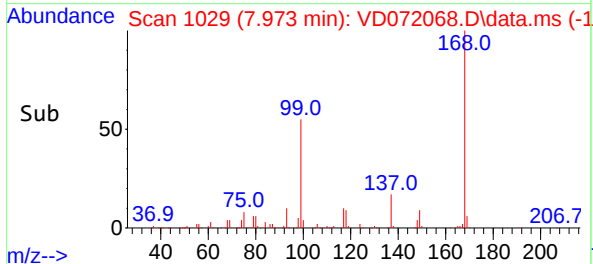
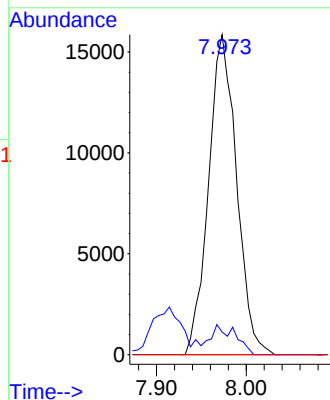
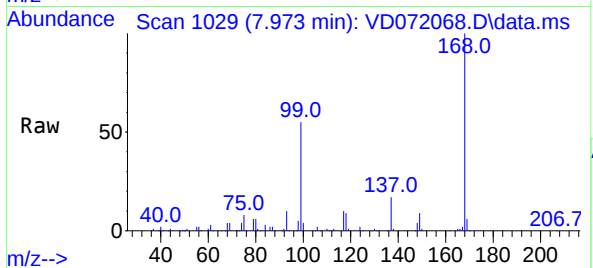
Tgt Ion: 75 Resp: 34447

Ion Ratio Lower Upper

75 100

110 8.3 17.7 53.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.197 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD072068.D

Acq: 23 Feb 2022 10:50

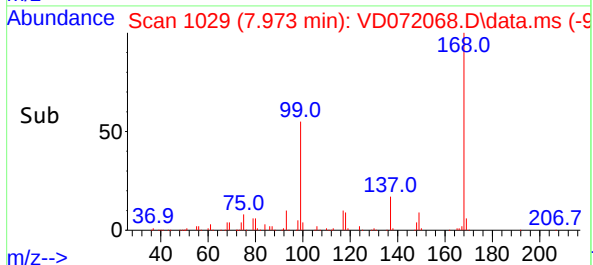
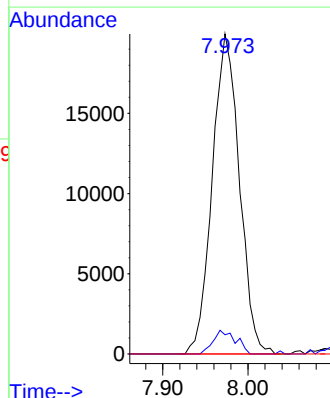
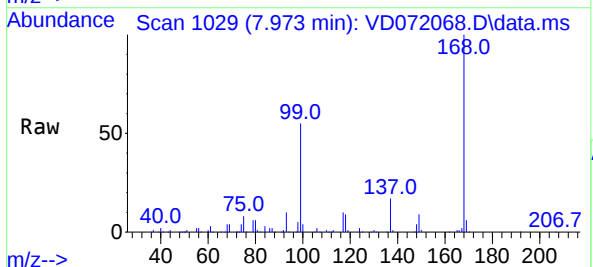
Tgt Ion: 117 Resp: 44054

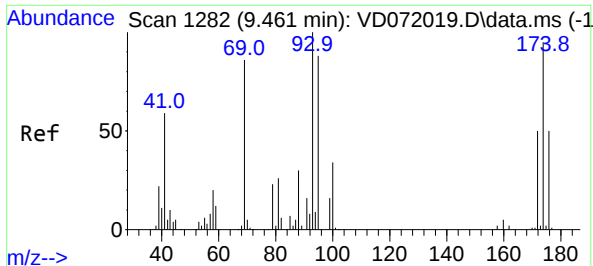
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 2.570 ug/l

RT: 9.214 min Scan# 11

Delta R.T. -0.247 min

Lab File: VD072068.D

Acq: 23 Feb 2022 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0223SBL01

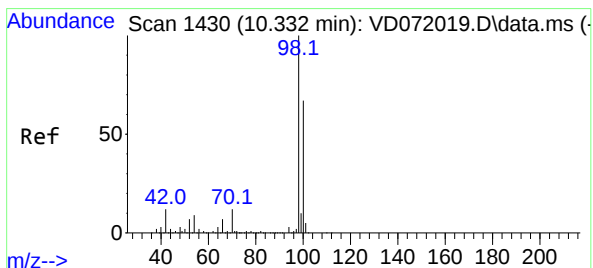
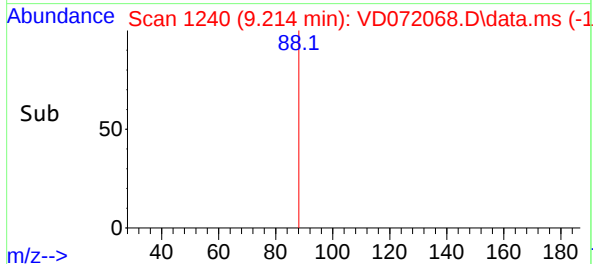
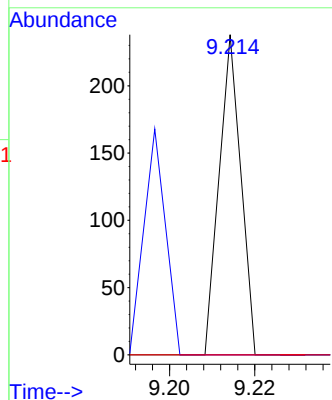
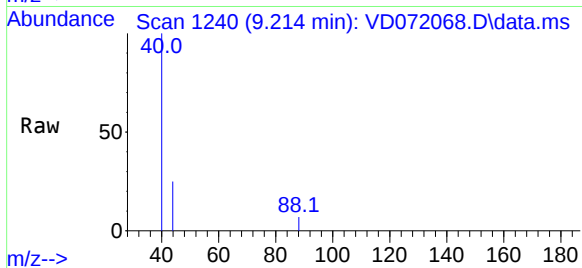
Tgt Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 70.2 29.9 44.9#

58 0.0 61.0 91.4#



#50

Toluene-d8

Concen: 51.967 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD072068.D

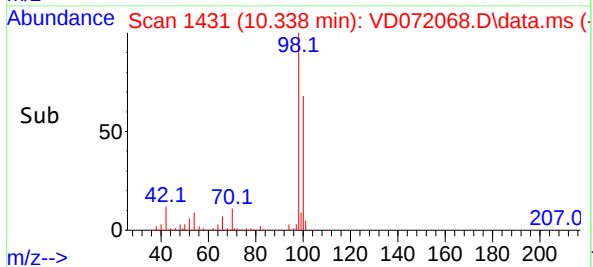
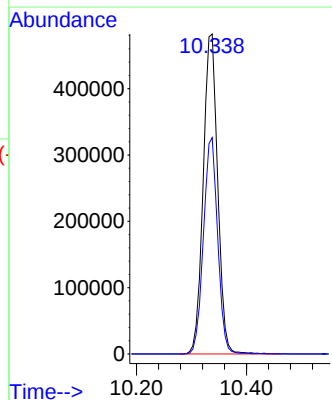
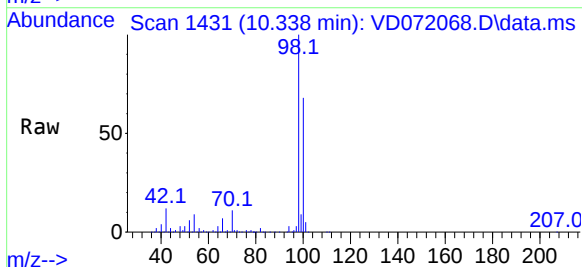
Acq: 23 Feb 2022 10:50

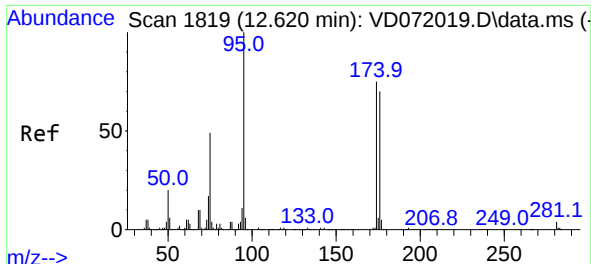
Tgt Ion: 98 Resp: 882340

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6

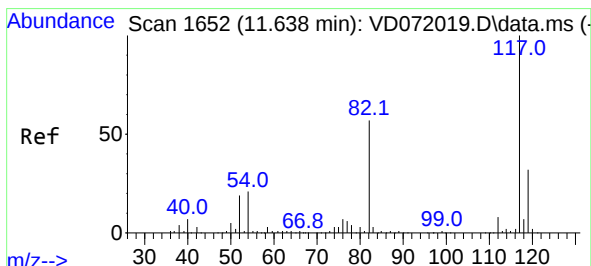
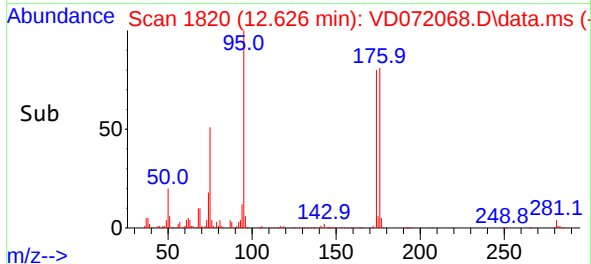
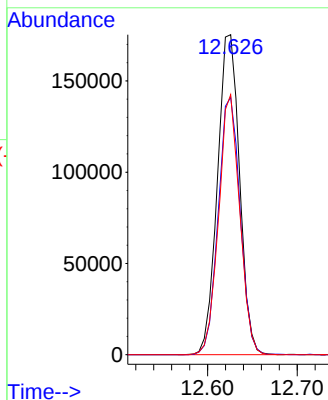
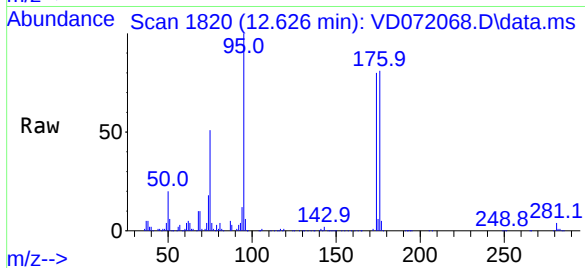




#62
4-Bromofluorobenzene
Concen: 48.119 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

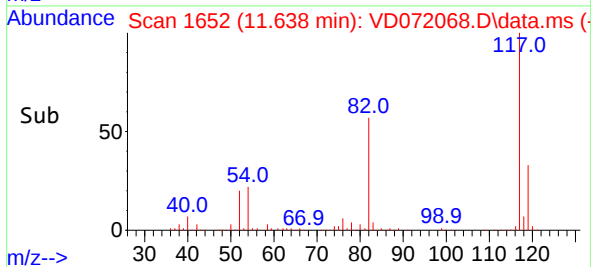
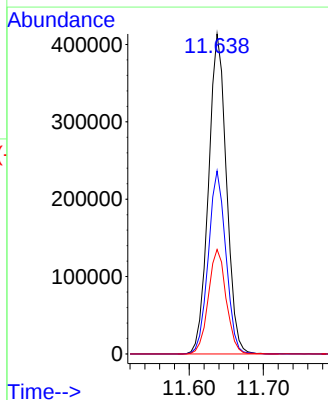
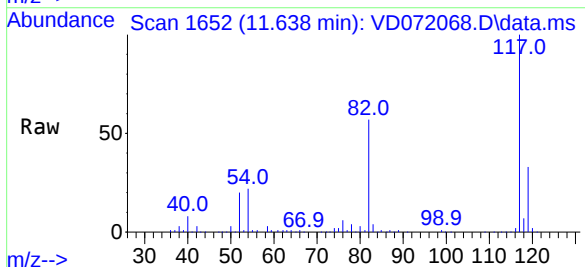
Instrument :
MSVOA_D
ClientSampleId :
VD0223SBL01

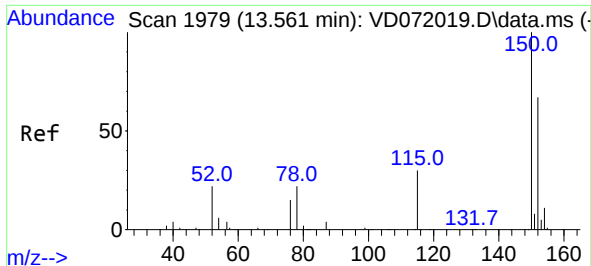
Tgt Ion: 95 Resp: 300111
Ion Ratio Lower Upper
95 100
174 79.6 0.0 155.0
176 77.3 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072068.D
Acq: 23 Feb 2022 10:50

Tgt Ion: 117 Resp: 695231
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.0
119 32.7 25.4 38.2

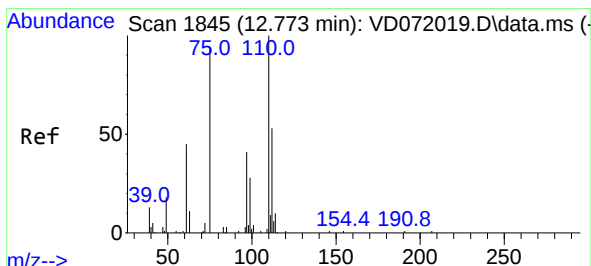
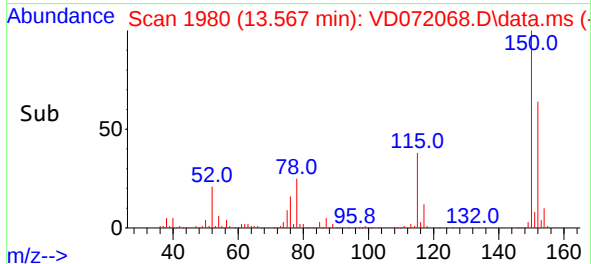
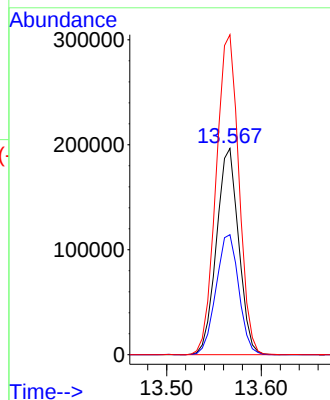
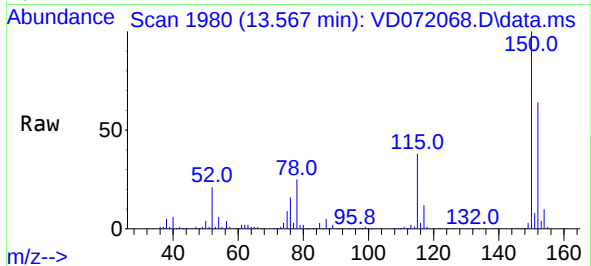




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD072068.D
 Acq: 23 Feb 2022 10:50

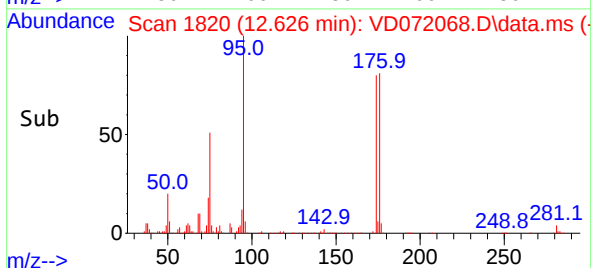
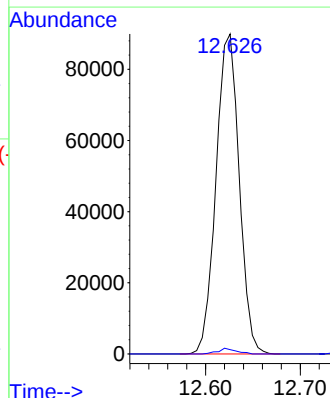
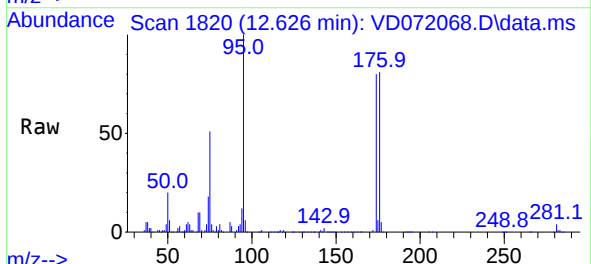
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBL01

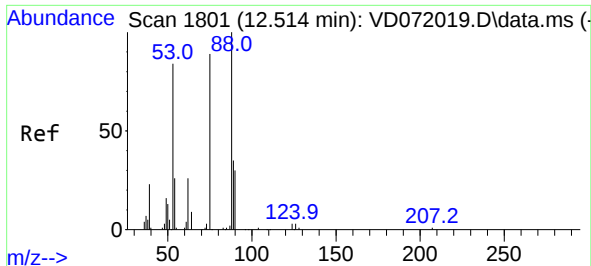
Tgt Ion:152 Resp: 320219
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.9 89.7
 150 159.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.431 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD072068.D
 Acq: 23 Feb 2022 10:50

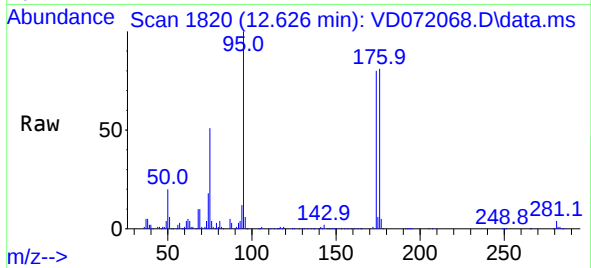
Tgt Ion: 75 Resp: 152968
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.291 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD072068.D
 Acq: 23 Feb 2022 10:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0223SBL01



Tgt Ion: 75 Resp: 152968
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.4#
 89 0.0 36.4 54.6#

