

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073601.D
 Acq On : 15 Jun 2022 19:59
 Operator : VA/SY
 Sample : N3337-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 06:04:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

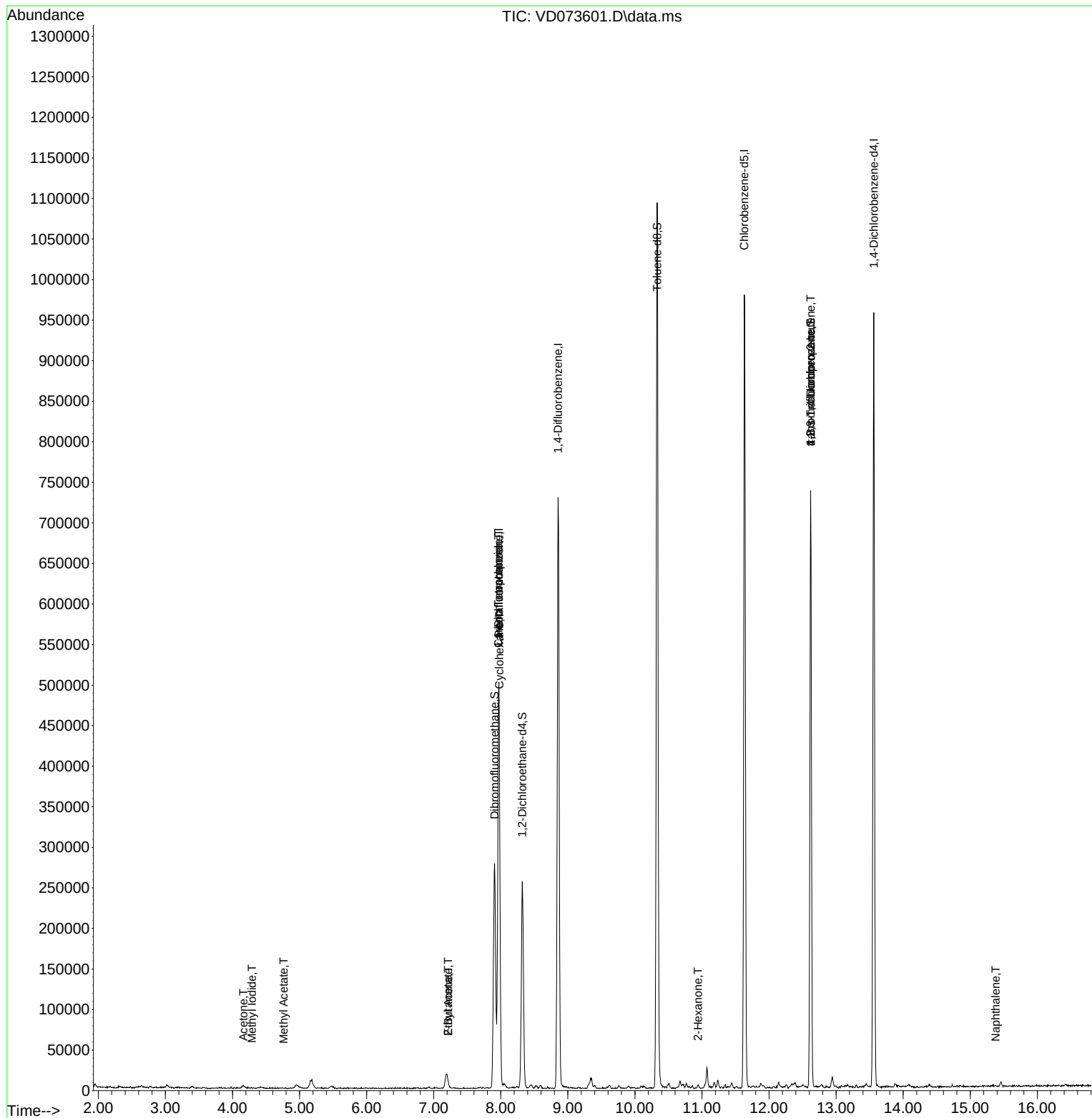
Internal Standards						
1) Pentafluorobenzene	7.973	168	368994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	630682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	583254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	202946	51.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.500%	
35) Dibromofluoromethane	7.908	113	202849	50.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.040%	
50) Toluene-d8	10.332	98	748993	48.847	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.700%	
62) 4-Bromofluorobenzene	12.620	95	248330	44.612	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.220%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.291	142	351	4.244	ug/l #	87
11) Tert butyl alcohol	5.167	59	9043	Below Cal	#	74
16) Acetone	4.161	43	6419	9.206	ug/l	98
18) Methyl Acetate	4.761	43	70	1.404	ug/l #	55
20) Methylene Chloride	4.950	84	2691	Below Cal	#	52
25) 2-Butanone	7.214	43	5736	5.591	ug/l	92
31) Cyclohexane	7.979	56	8606	1.290	ug/l #	14
36) 1,1-Dichloropropene	7.967	75	26989	4.431	ug/l #	46
37) Ethyl Acetate	7.214	43	5736	2.331	ug/l #	83
38) Carbon Tetrachloride	7.967	117	39387	6.181	ug/l #	15
59) 2-Hexanone	10.938	43	1647	1.004	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	119171	47.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	119171	111.791	ug/l #	7
95) Naphthalene	15.379	128	168	4.220	ug/l #	70

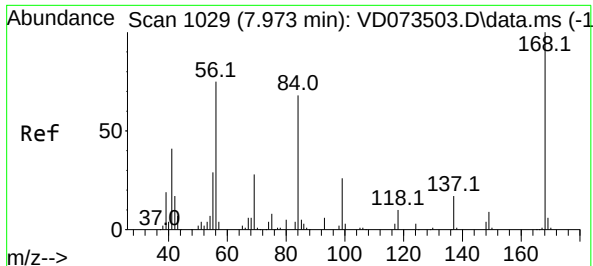
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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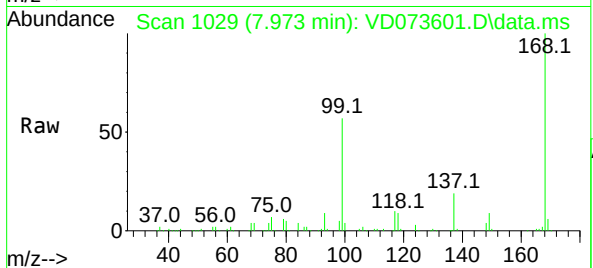
Quant Time: Jun 16 06:04:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration



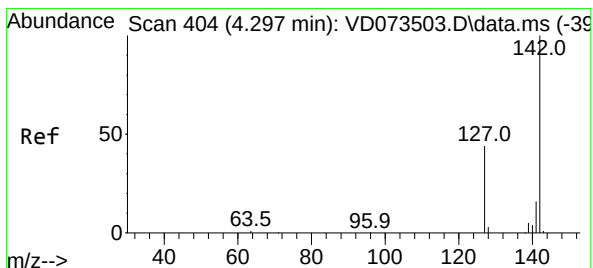
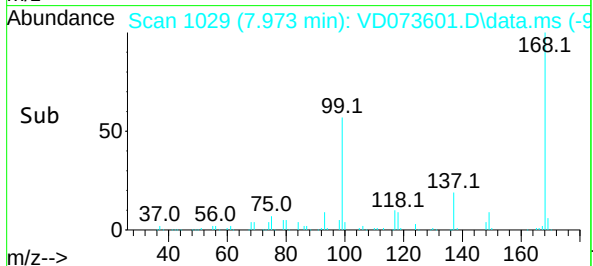
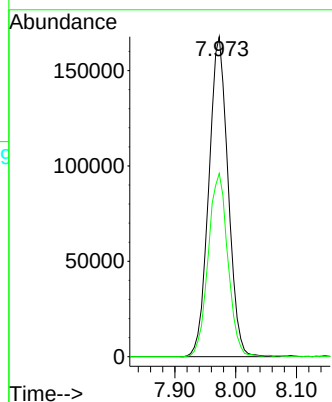


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :

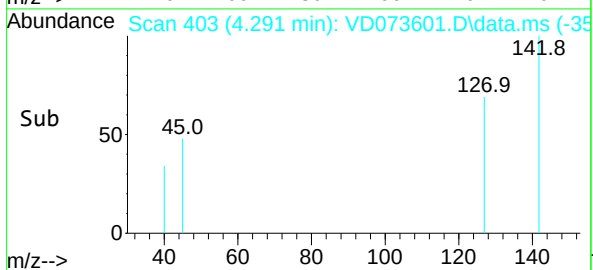
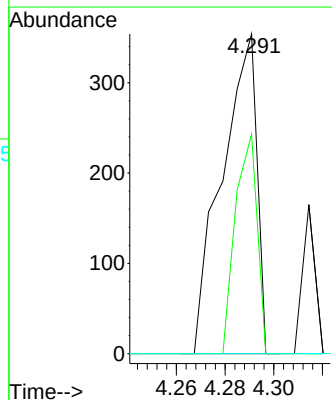
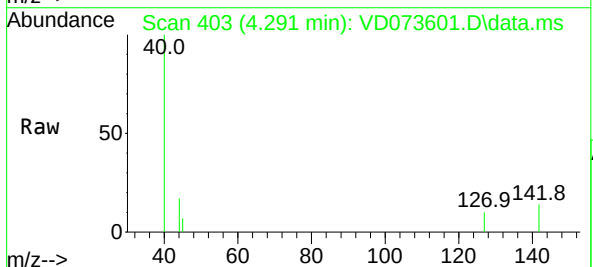


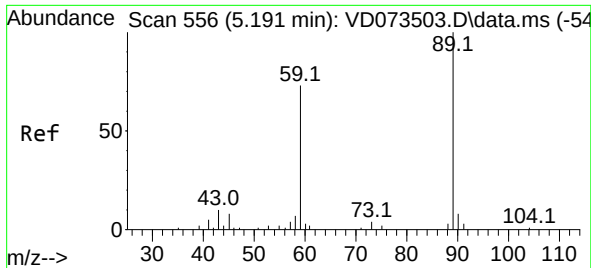
Tgt Ion:168 Resp: 368994
Ion Ratio Lower Upper
168 100
99 57.3 49.8 74.6



#10
Methyl Iodide
Concen: 4.244 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

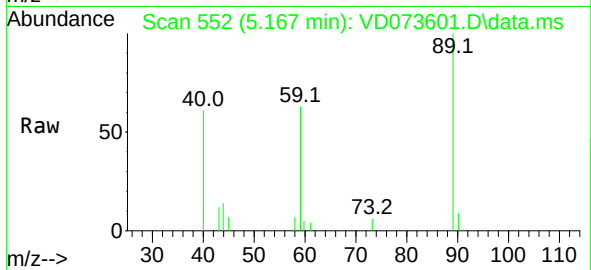
Tgt Ion:142 Resp: 351
Ion Ratio Lower Upper
142 100
127 42.7 37.3 55.9
141 0.0 11.7 17.5#



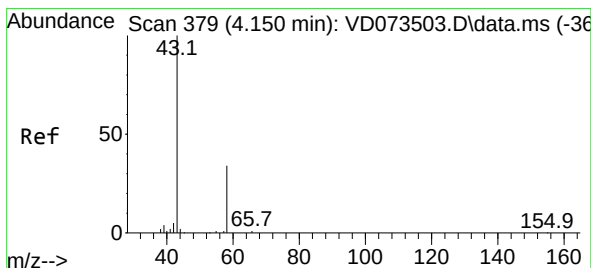
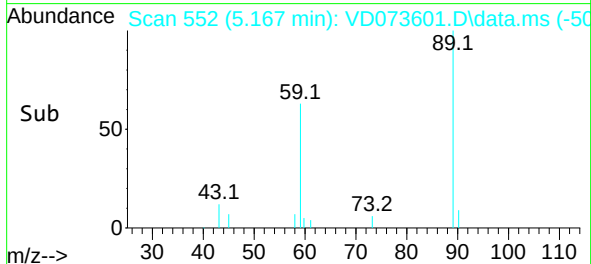
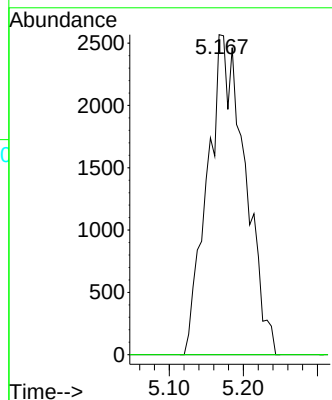


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :

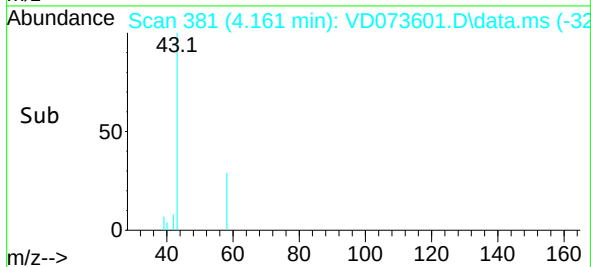
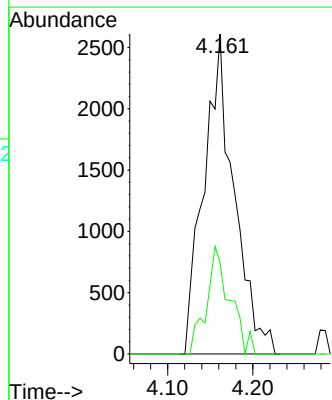
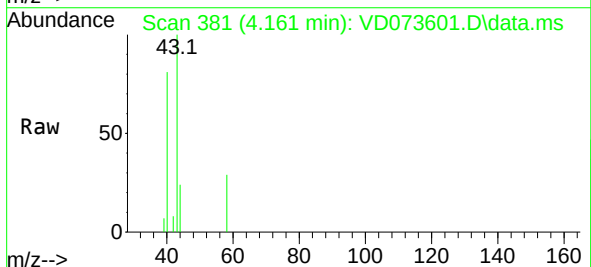


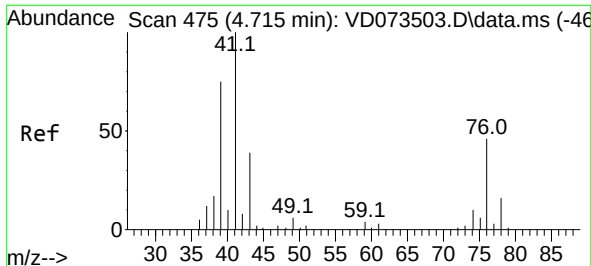
Tgt Ion: 59 Resp: 9043
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 9.206 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion: 43 Resp: 6419
Ion Ratio Lower Upper
43 100
58 28.5 22.1 33.1

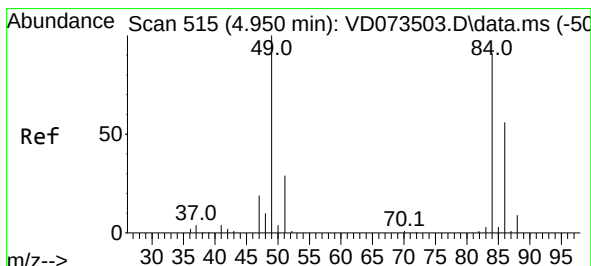
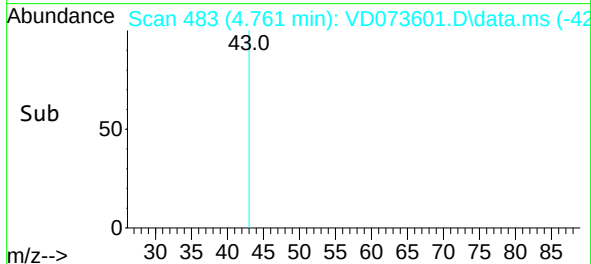
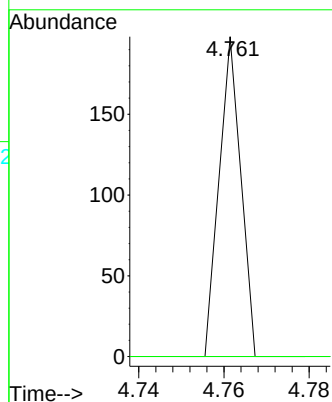
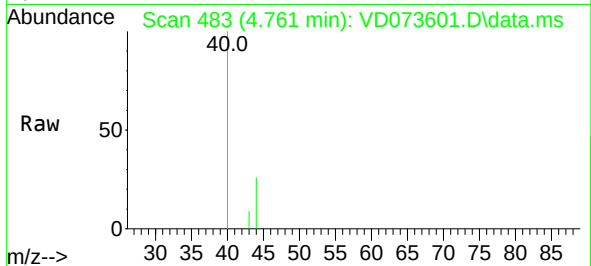




#18
Methyl Acetate
Concen: 1.404 ug/l
RT: 4.761 min Scan# 41
Delta R.T. 0.046 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

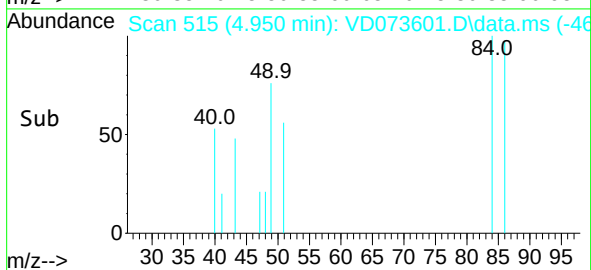
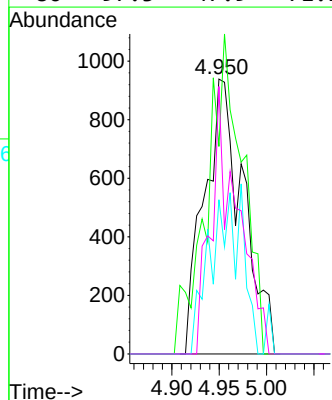
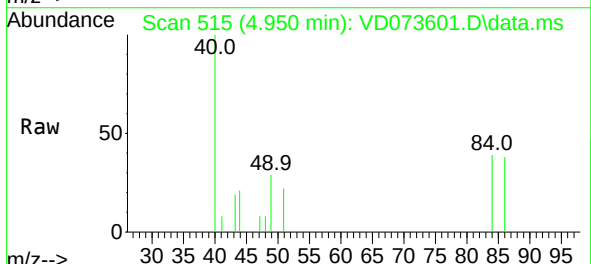
Instrument :
MSVOA_D
ClientSampleId :

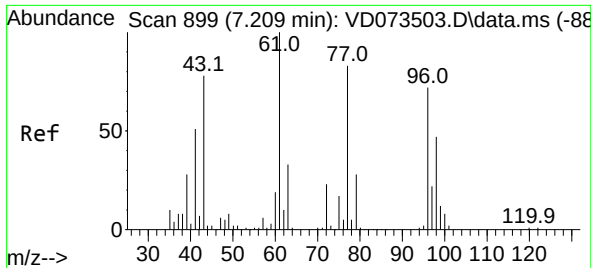
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion: 84 Resp: 2691
Ion Ratio Lower Upper
84 100
49 75.5 112.8 169.2#
51 56.1 32.6 48.8#
86 97.3 47.9 71.9#

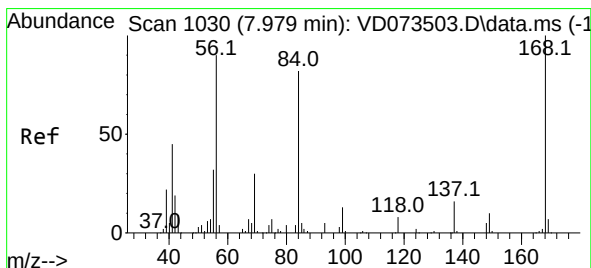
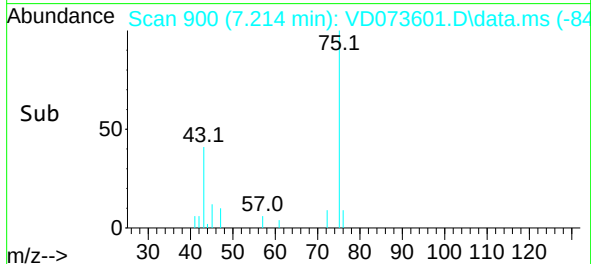
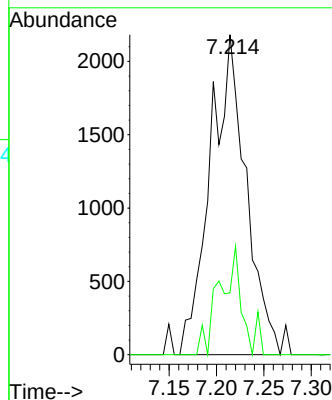
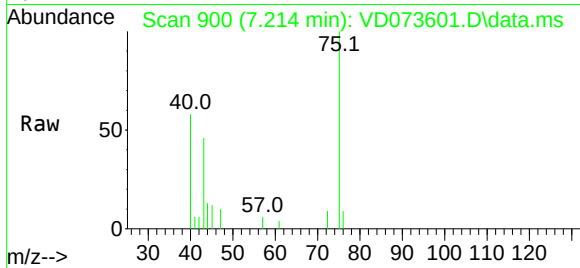




#25
2-Butanone
Concen: 5.591 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

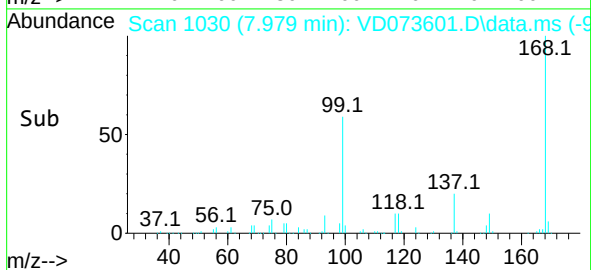
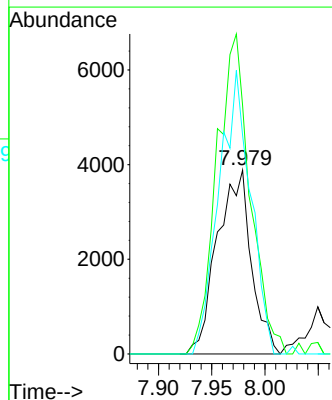
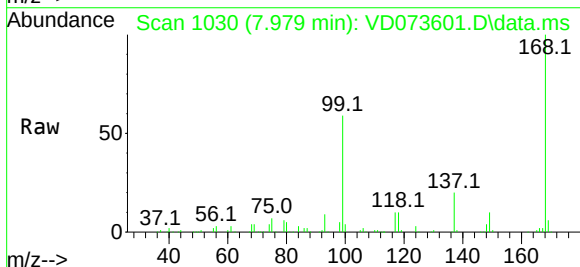
Instrument :
MSVOA_D
ClientSampleId :

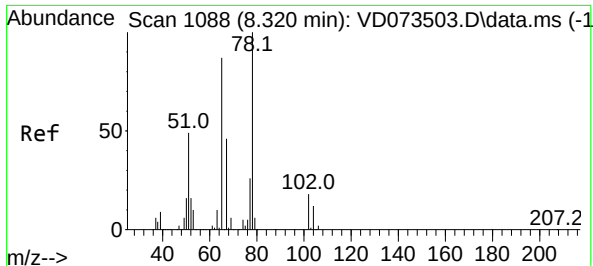
Tgt Ion: 43 Resp: 5736
Ion Ratio Lower Upper
43 100
72 19.3 18.6 27.8



#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion: 56 Resp: 8606
Ion Ratio Lower Upper
56 100
69 135.1 25.4 38.2#
84 118.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.252 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

Instrument :

MSVOA_D

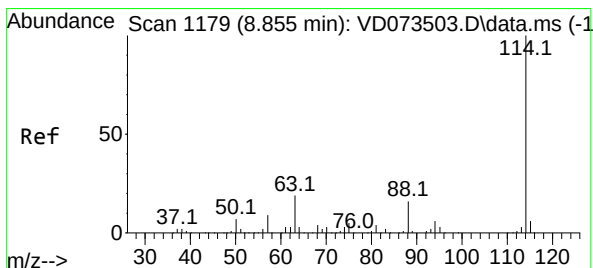
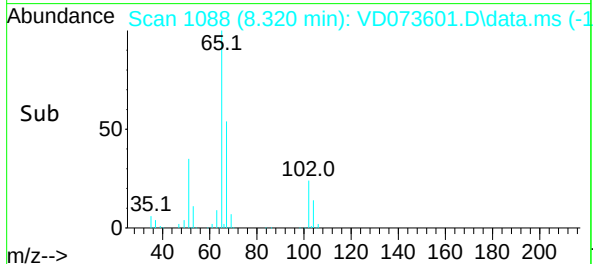
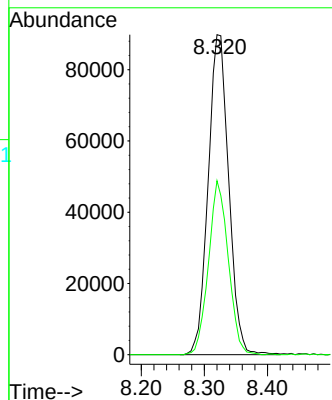
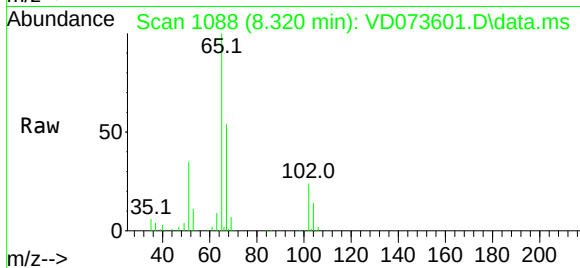
ClientSampleId :

Tgt Ion: 65 Resp: 202946

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

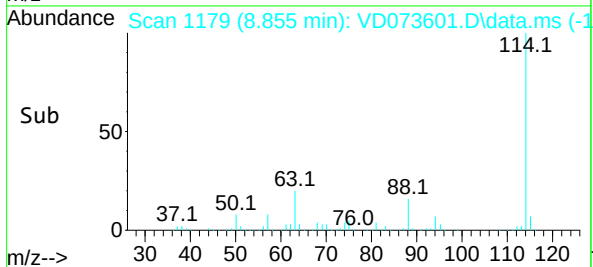
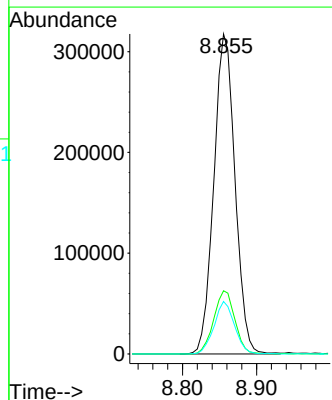
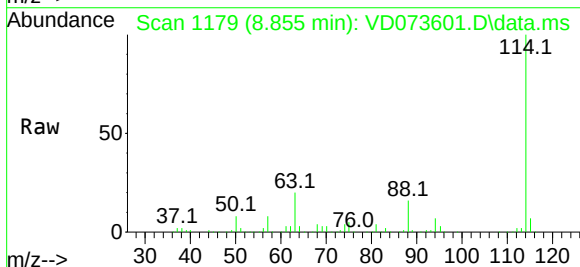
Tgt Ion: 114 Resp: 630682

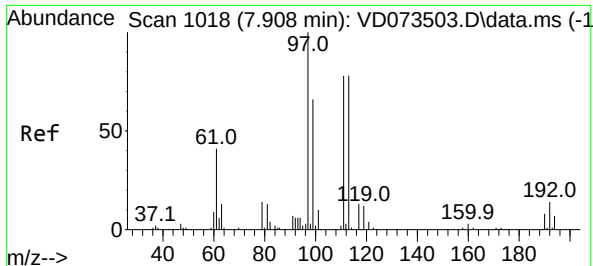
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.018 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

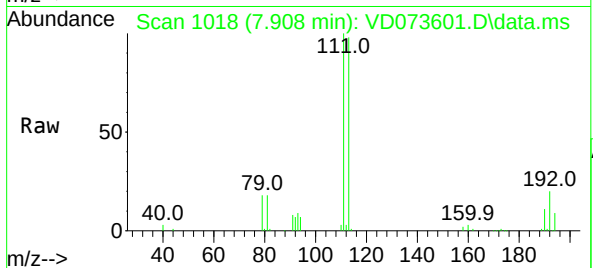
Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :



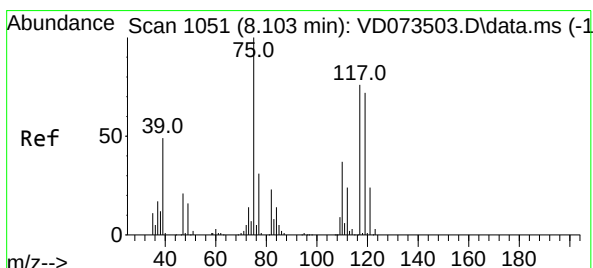
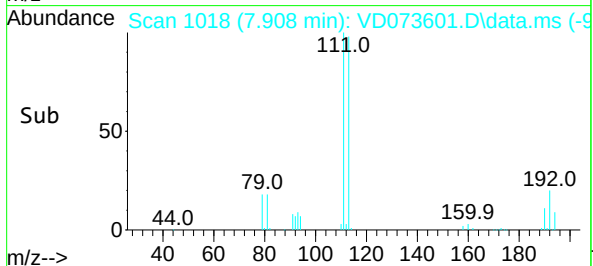
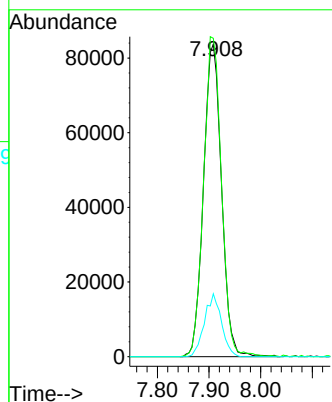
Tgt Ion:113 Resp: 202849

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 19.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

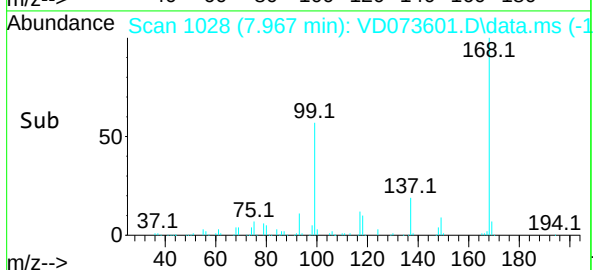
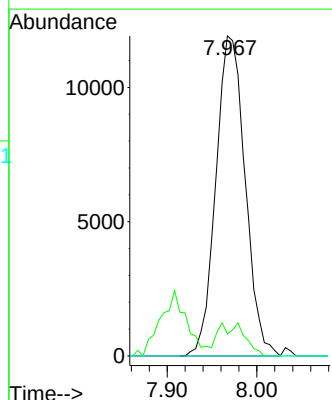
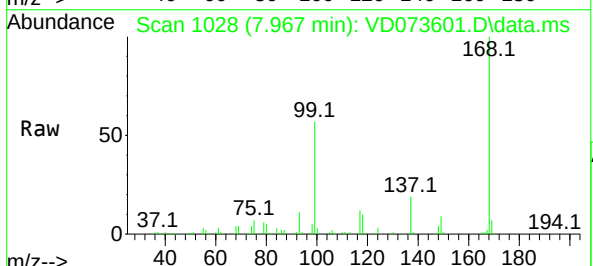
Tgt Ion: 75 Resp: 26989

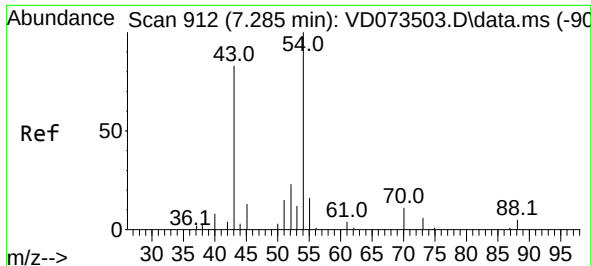
Ion Ratio Lower Upper

75 100

110 2.6 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.331 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.071 min

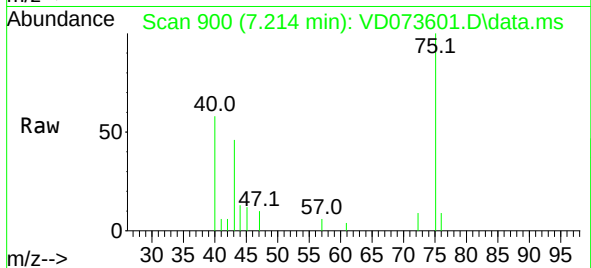
Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

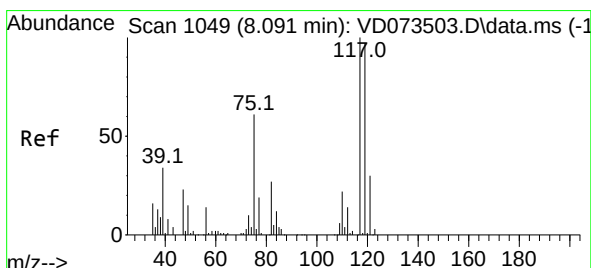
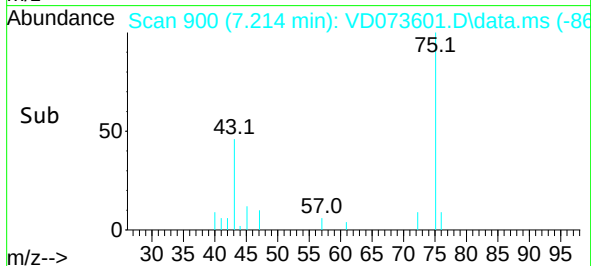
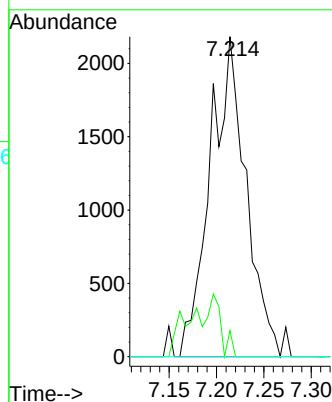
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 5736
Ion Ratio	Lower Upper
43 100	
61 7.5	9.8 14.8#
70 0.0	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 6.181 ug/l

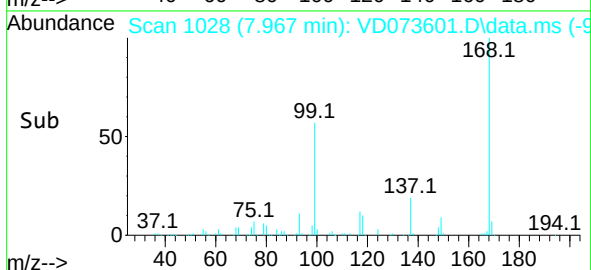
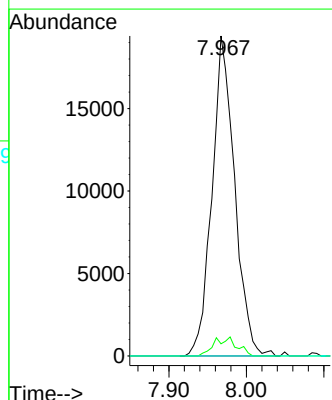
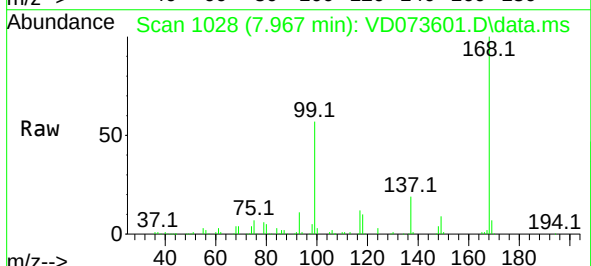
RT: 7.967 min Scan# 1028

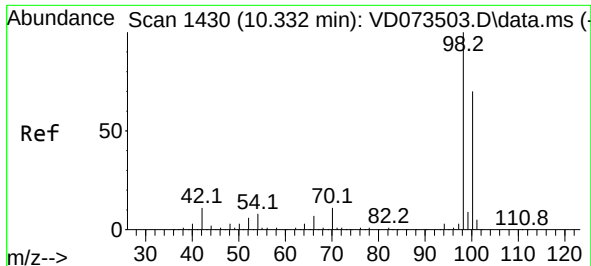
Delta R.T. -0.124 min

Lab File: VD073601.D

Acq: 15 Jun 2022 19:59

Tgt Ion: 117	Resp: 39387
Ion Ratio	Lower Upper
117 100	
119 3.8	75.8 113.6#
121 0.0	24.5 36.7#

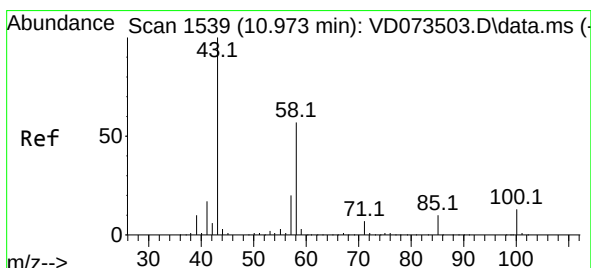
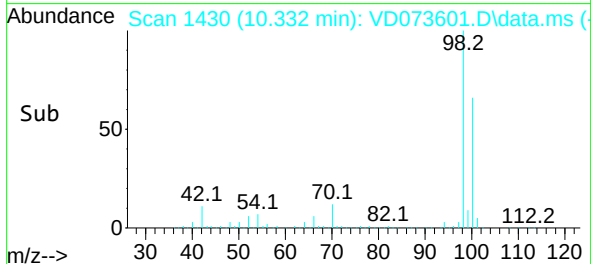
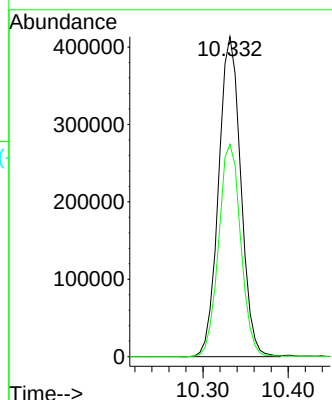
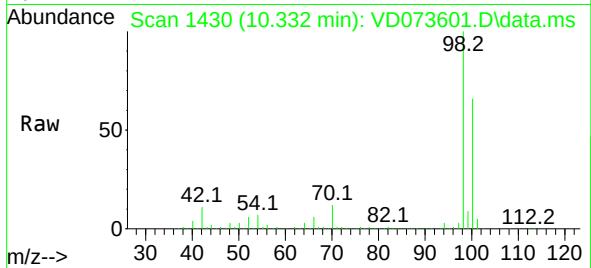




#50
Toluene-d8
Concen: 48.847 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

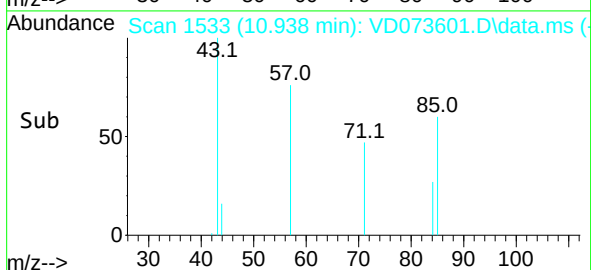
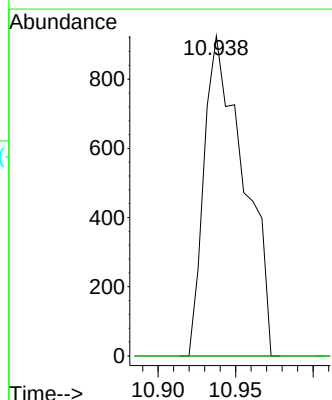
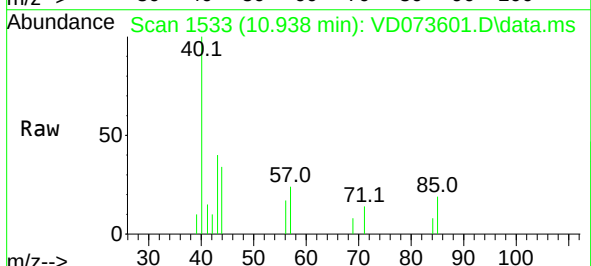
Instrument :
MSVOA_D
ClientSampleId :

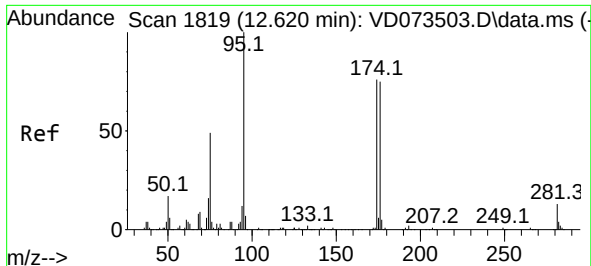
Tgt Ion: 98 Resp: 748993
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#59
2-Hexanone
Concen: 1.004 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

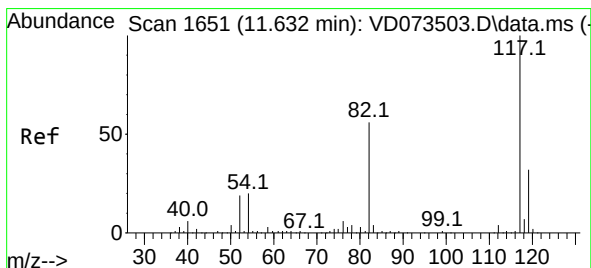
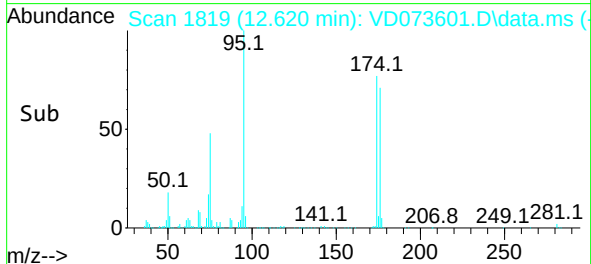
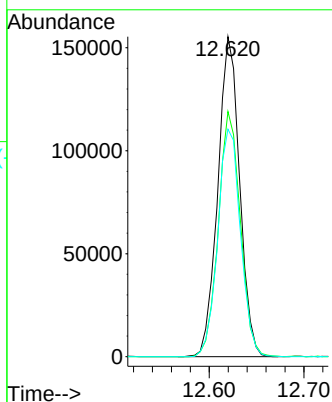
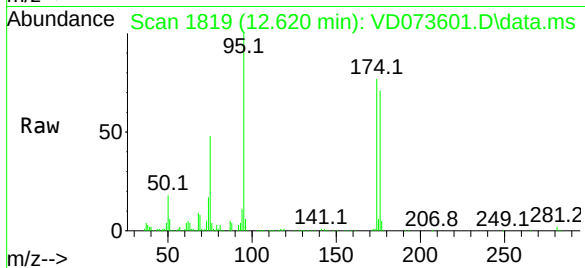




#62
4-Bromofluorobenzene
Concen: 44.612 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

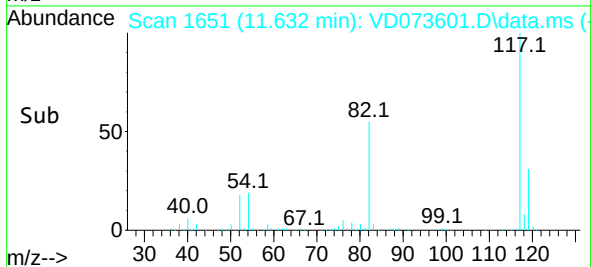
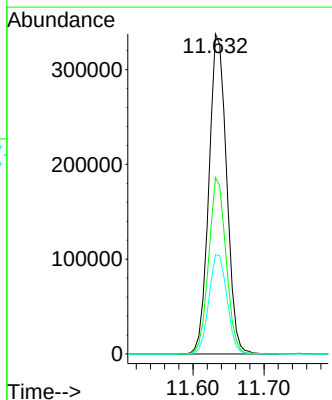
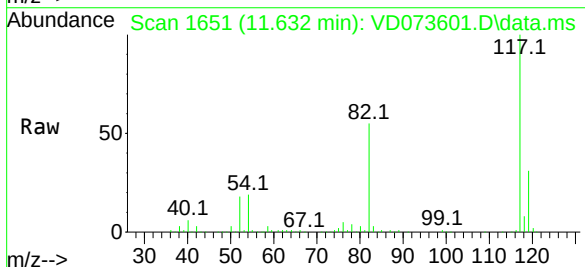
Instrument :
MSVOA_D
ClientSampleId :

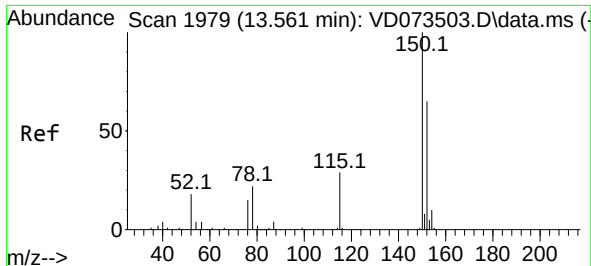
Tgt Ion: 95 Resp: 248330
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 74.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion: 117 Resp: 583254
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 31.0 26.6 40.0

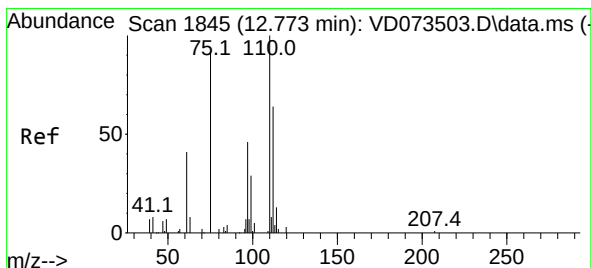
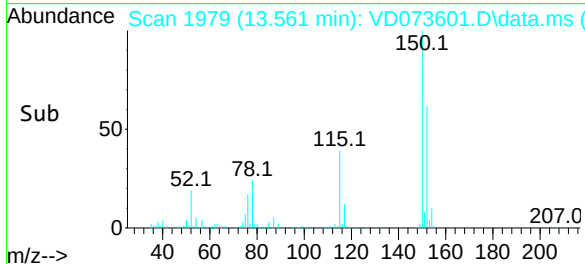
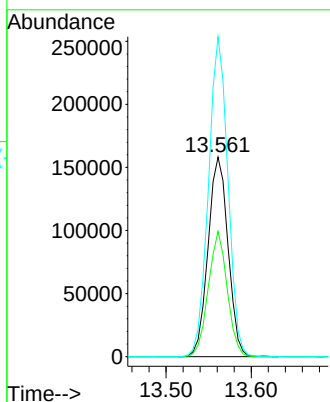
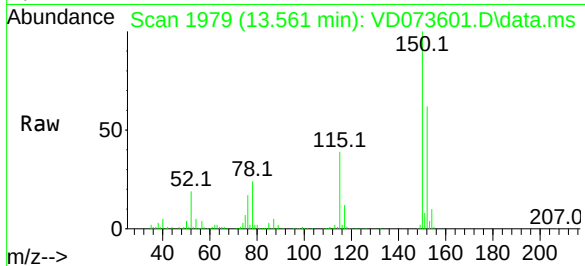




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073601.D
 Acq: 15 Jun 2022 19:59

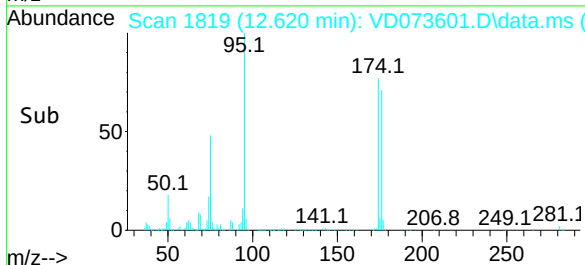
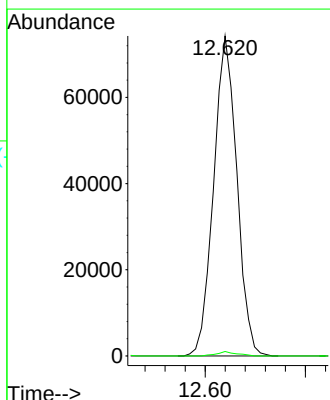
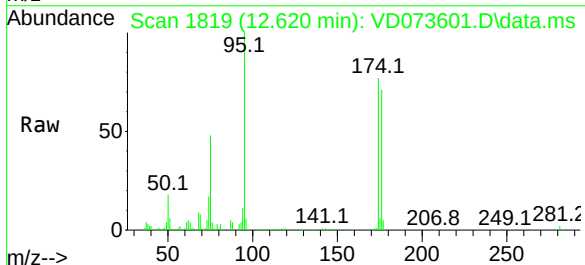
Instrument :
 MSVOA_D
 ClientSampleId :

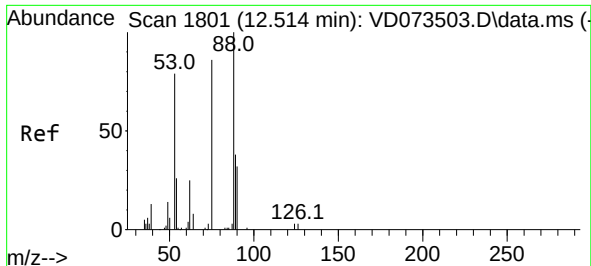
Tgt Ion:152 Resp: 257561
 Ion Ratio Lower Upper
 152 100
 115 59.3 31.3 93.8
 150 156.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.628 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073601.D
 Acq: 15 Jun 2022 19:59

Tgt Ion: 75 Resp: 119171
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

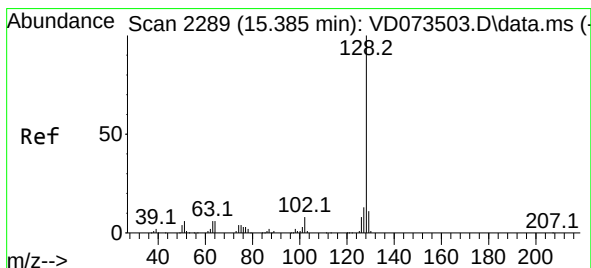
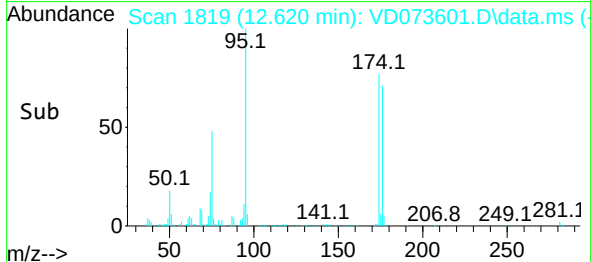
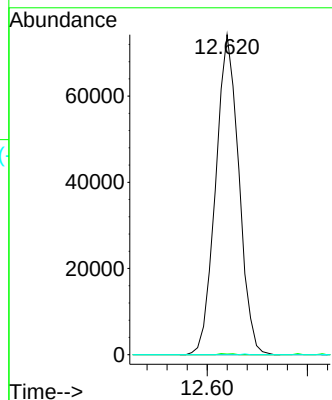
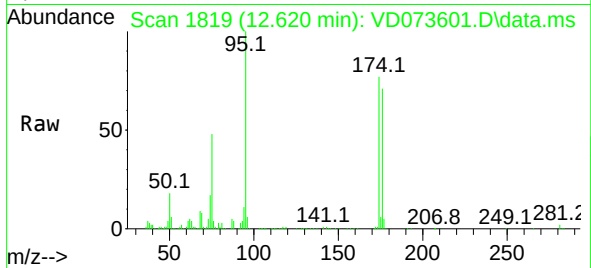




#81
trans-1,4-Dichloro-2-butene
Concen: 111.791 ug/l
RT: 12.620 min Scan# 119171
Delta R.T. 0.106 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 119171
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.220 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073601.D
Acq: 15 Jun 2022 19:59

Tgt Ion:128 Resp: 168
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

