

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073593.D
 Acq On : 15 Jun 2022 16:03
 Operator : VA/SY
 Sample : N3329-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 06:03:51 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)

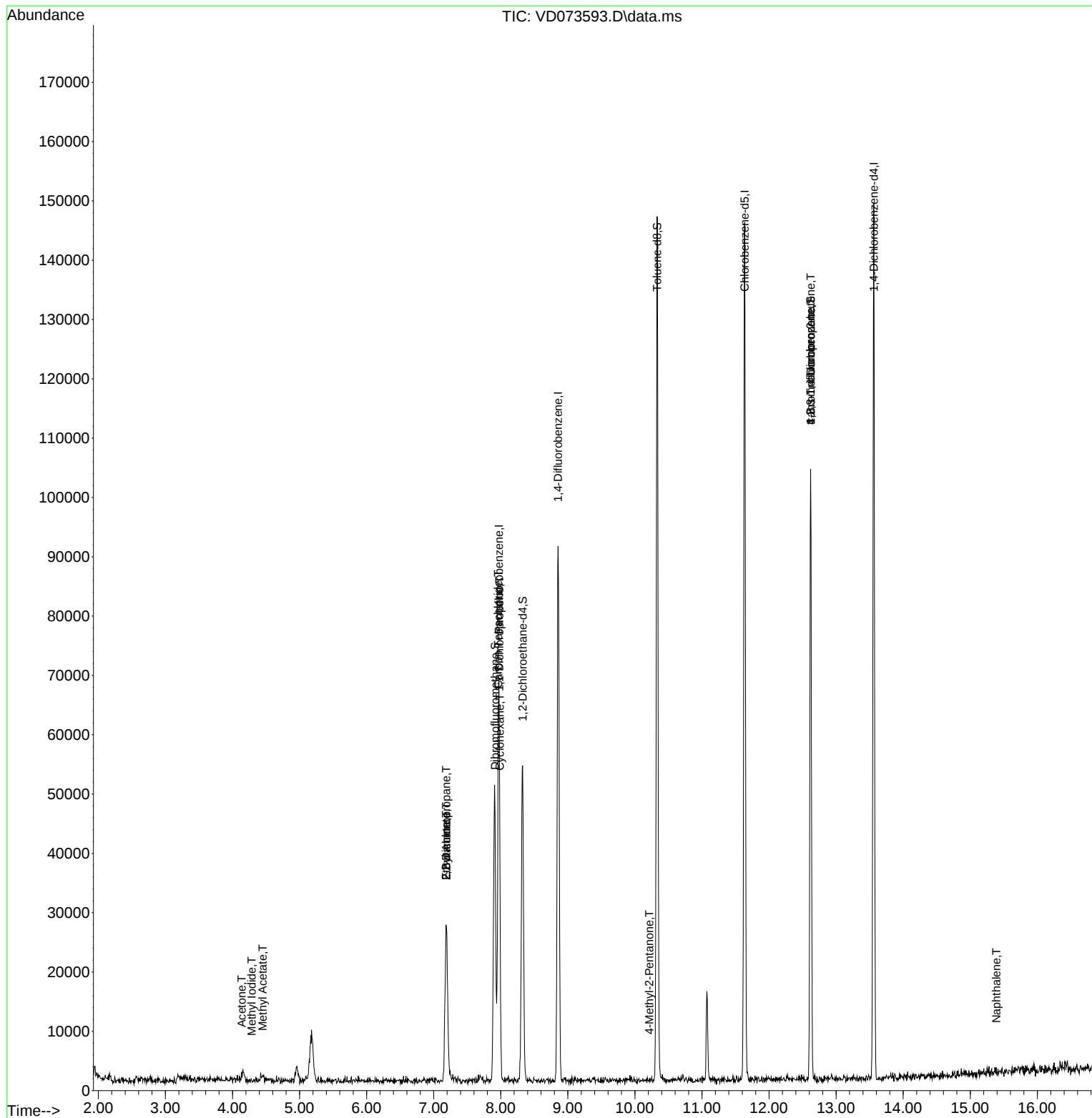
Internal Standards						
1) Pentafluorobenzene	7.973	168	48951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	79381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	86414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	39636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	44323	84.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 168.740%#			
35) Dibromofluoromethane	7.914	113	35028	68.622	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.240%			
50) Toluene-d8	10.332	98	98631	51.105	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.620	95	34402	49.102	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.200%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.285	142	56	4.258	ug/l #	38
11) Tert butyl alcohol	5.179	59	7439	Below Cal	#	74
16) Acetone	4.138	43	779	8.422	ug/l #	47
18) Methyl Acetate	4.450	43	325	2.581	ug/l #	55
20) Methylene Chloride	4.961	84	1588	Below Cal	#	52
25) 2-Butanone	7.185	43	913	6.708	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	1378	1.563	ug/l #	54
31) Cyclohexane	7.985	56	1168	1.320	ug/l #	64
36) 1,1-Dichloropropene	7.979	75	4709	6.142	ug/l #	44
37) Ethyl Acetate	7.185	43	913	2.948	ug/l #	1
38) Carbon Tetrachloride	7.961	117	4791	5.974	ug/l #	13
51) 4-Methyl-2-Pentanone	10.214	43	377	1.250	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	16776	43.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	16776	102.263	ug/l #	7
95) Naphthalene	15.390	128	139	4.293	ug/l #	70

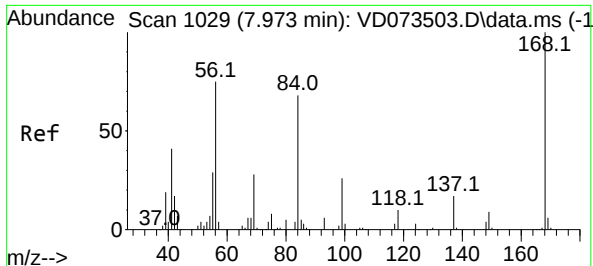
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

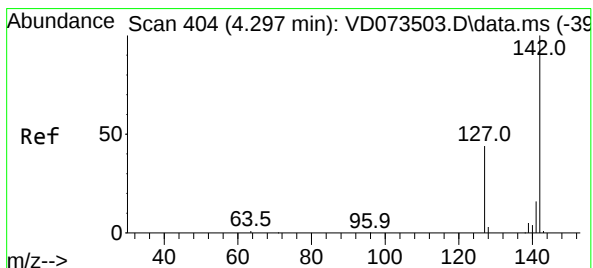
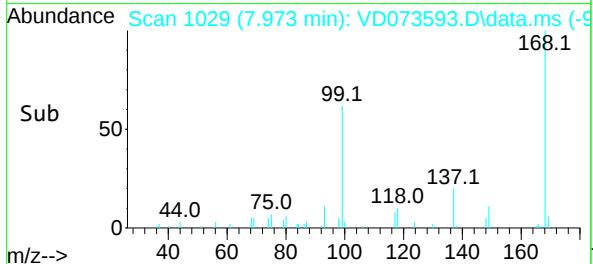
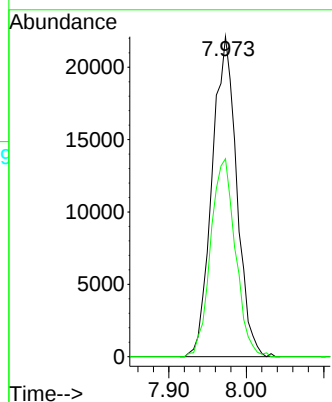
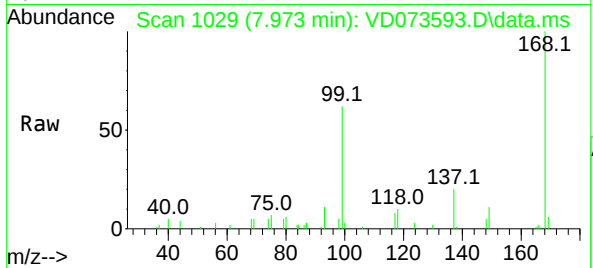




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

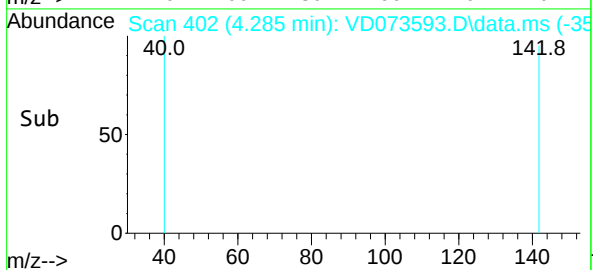
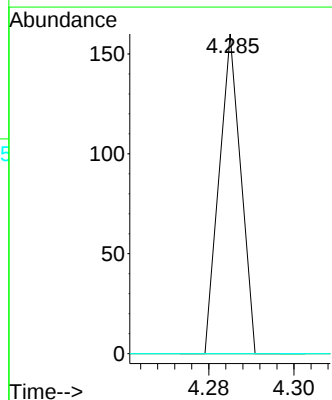
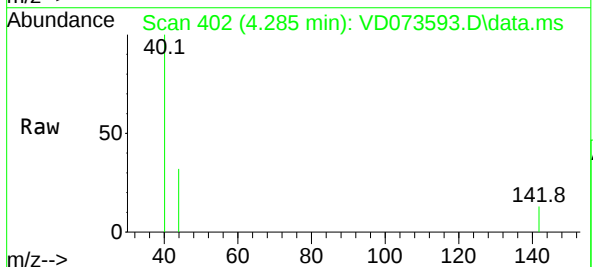
Instrument :
MSVOA_D
ClientSampleId :

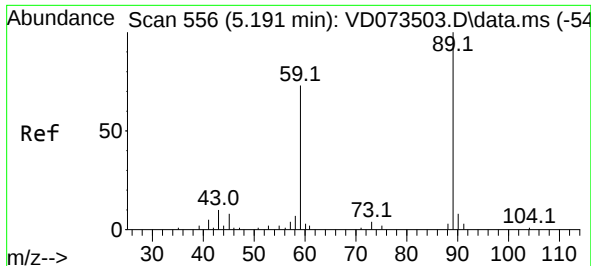
Tgt Ion:168 Resp: 48951
Ion Ratio Lower Upper
168 100
99 61.8 49.8 74.6



#10
Methyl Iodide
Concen: 4.258 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

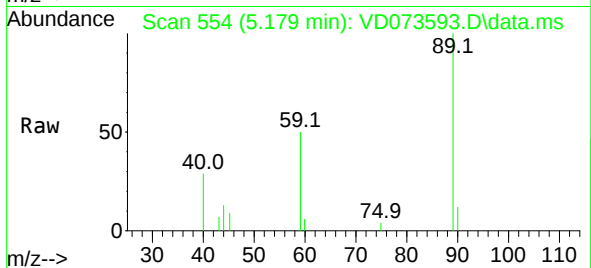
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



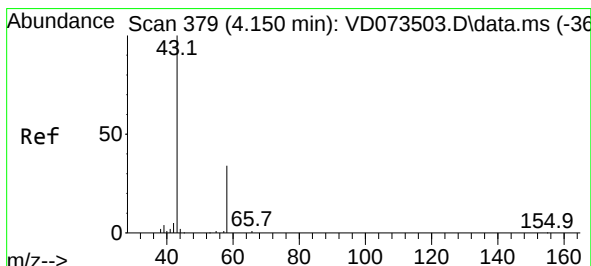
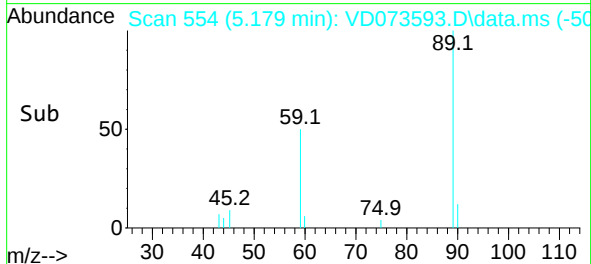
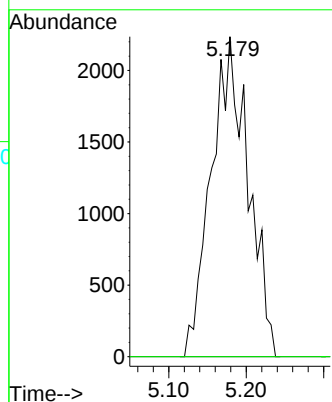


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Instrument :
MSVOA_D
ClientSampleId :

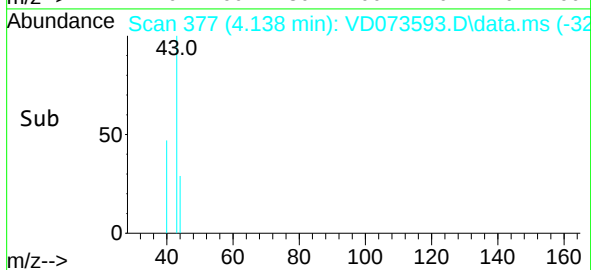
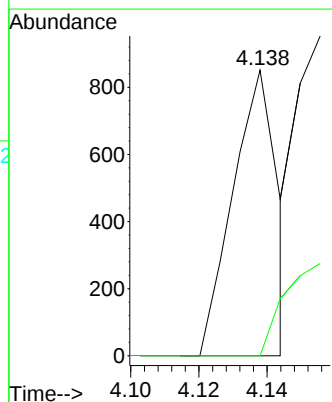
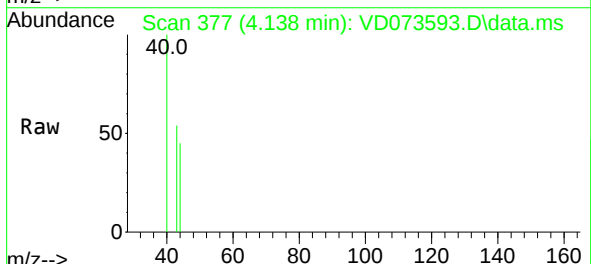


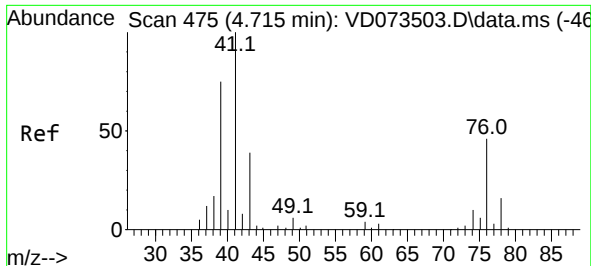
Tgt Ion: 59 Resp: 7439
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 8.422 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.012 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

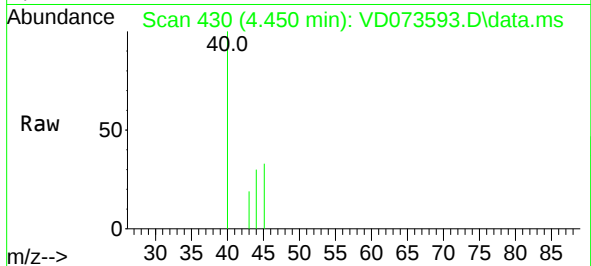
Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



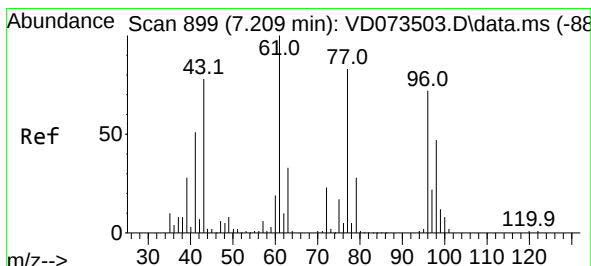
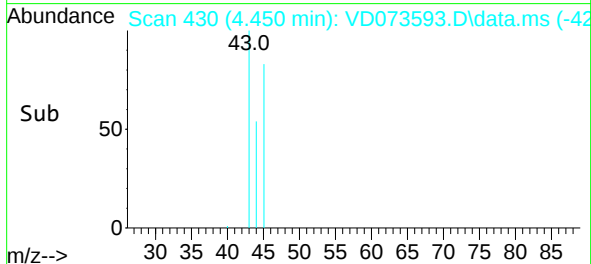
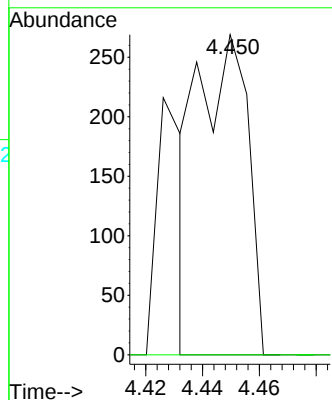


#18
Methyl Acetate
Concen: 2.581 ug/l
RT: 4.450 min Scan# 41
Delta R.T. -0.265 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Instrument :
MSVOA_D
ClientSampleId :

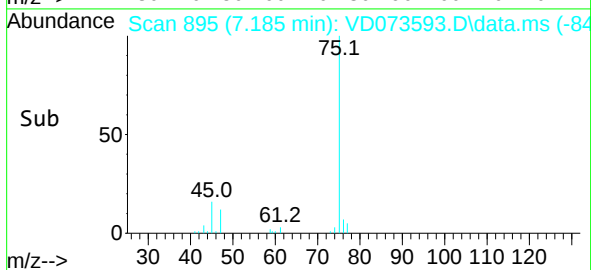
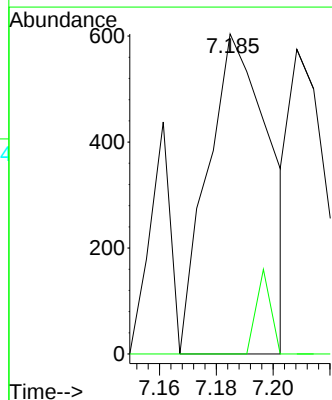
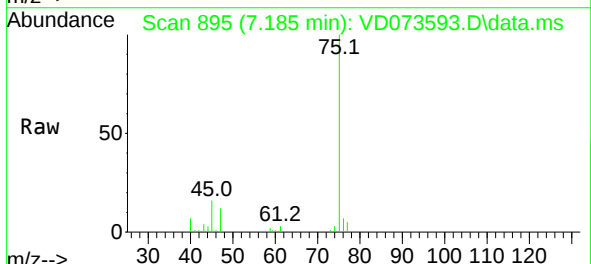


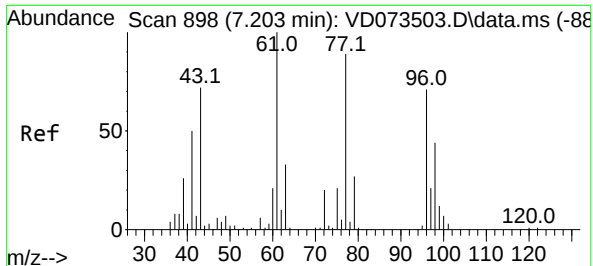
Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 6.708 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.563 ug/l

RT: 7.185 min Scan# 898

Delta R.T. -0.018 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

Instrument :

MSVOA_D

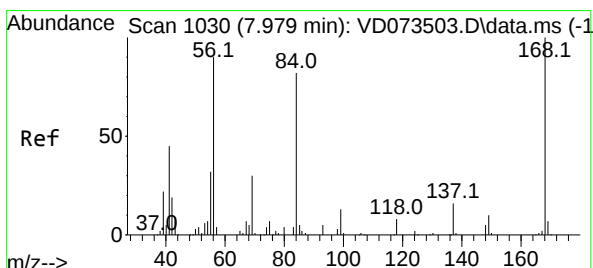
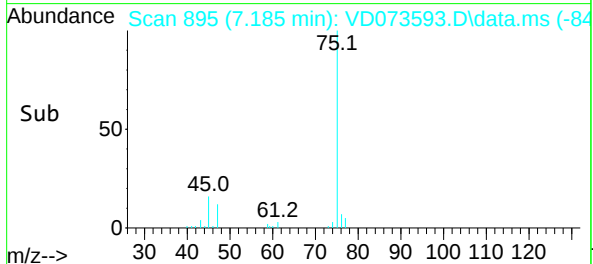
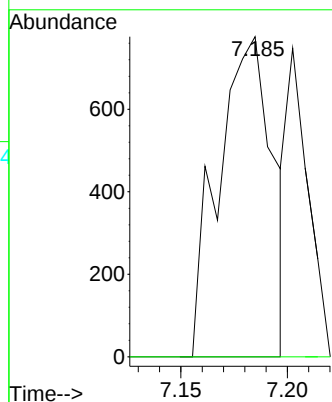
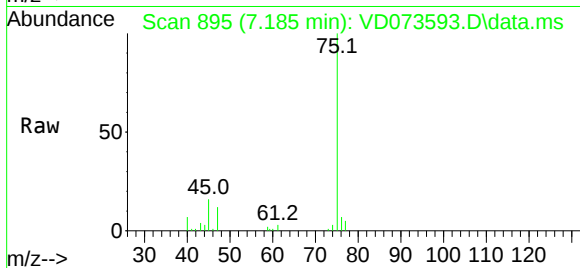
ClientSampleId :

Tgt Ion: 77 Resp: 1378

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

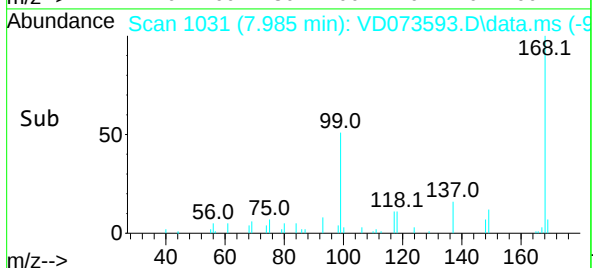
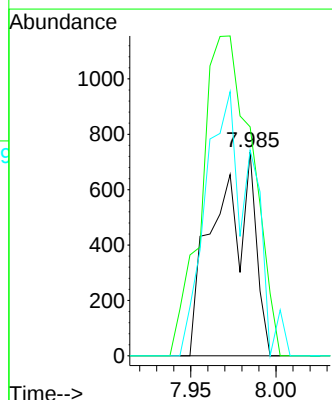
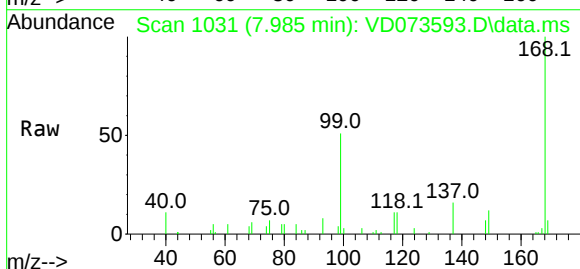
Tgt Ion: 56 Resp: 1168

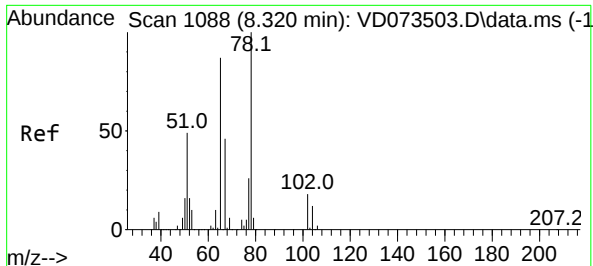
Ion Ratio Lower Upper

56 100

69 93.0 25.4 38.2#

84 83.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 84.375 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

Instrument :

MSVOA_D

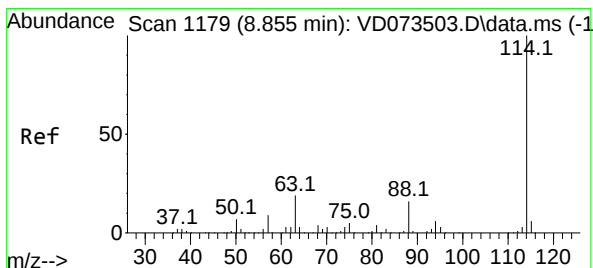
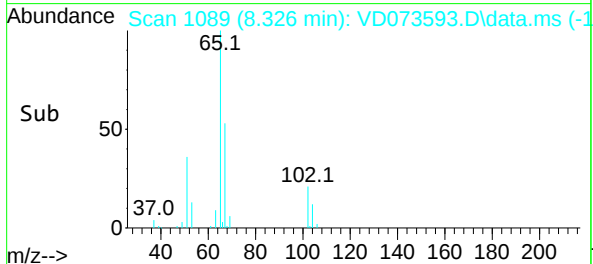
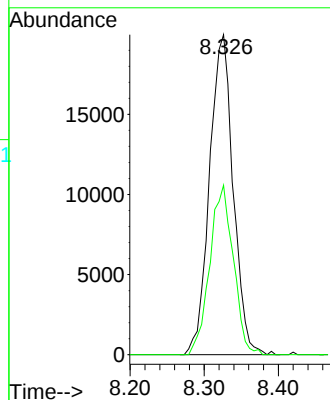
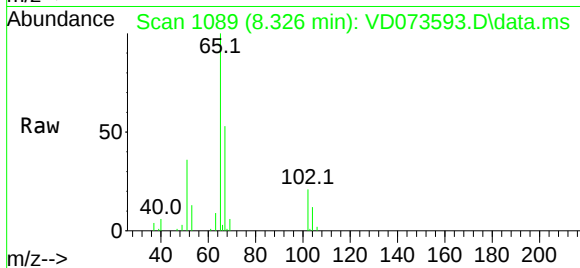
ClientSampleId :

Tgt Ion: 65 Resp: 44323

Ion Ratio Lower Upper

65 100

67 52.7 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: VD073593.D

Acq: 15 Jun 2022 16:03

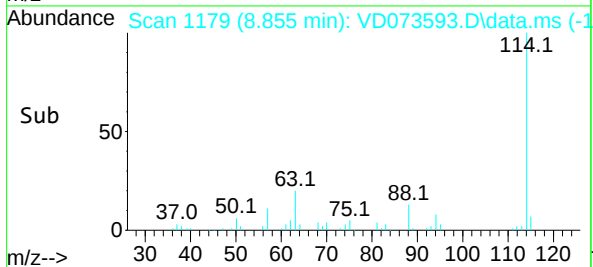
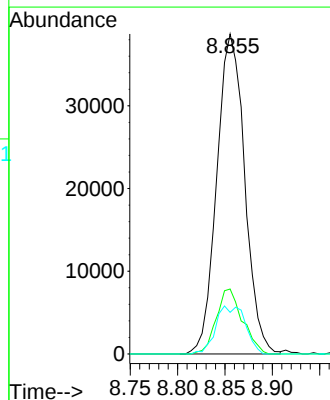
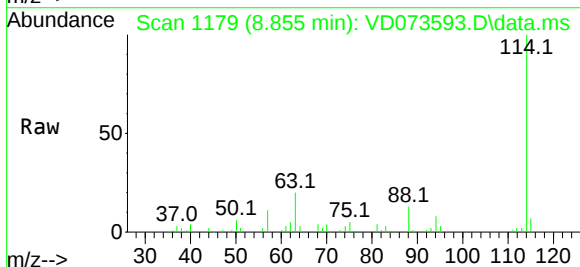
Tgt Ion: 114 Resp: 79381

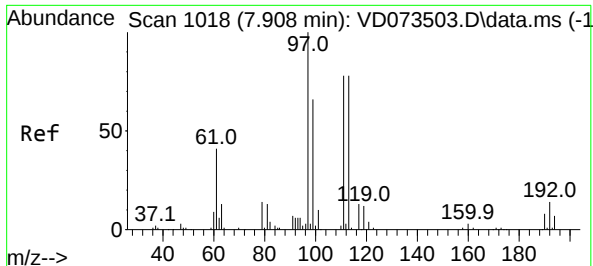
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 13.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 68.622 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

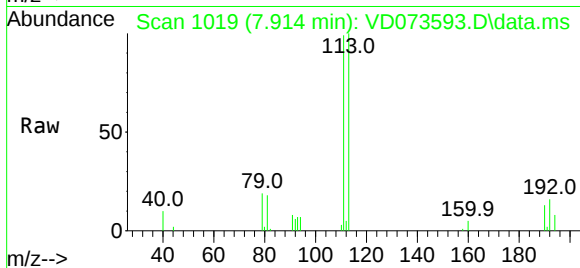
Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

Instrument :

MSVOA_D

ClientSampleId :



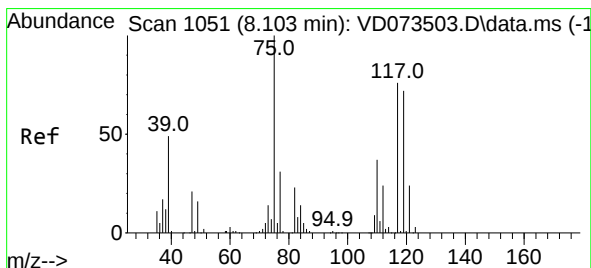
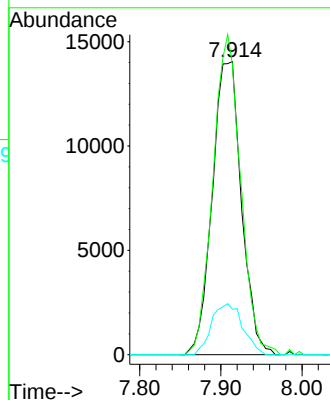
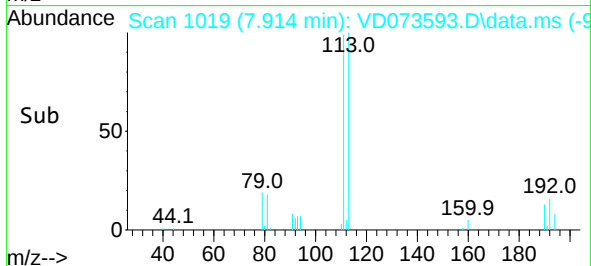
Tgt Ion:113 Resp: 35028

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 6.142 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.124 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

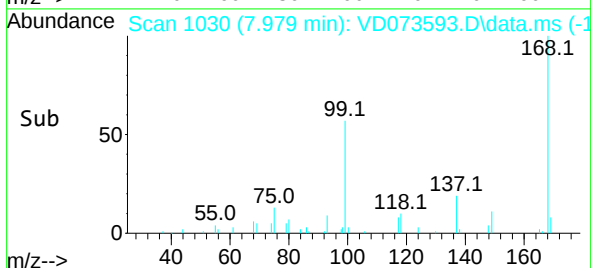
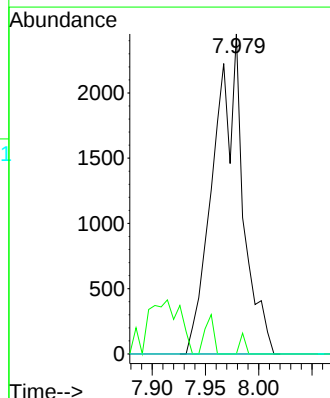
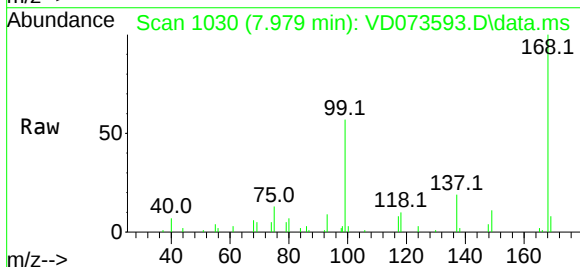
Tgt Ion: 75 Resp: 4709

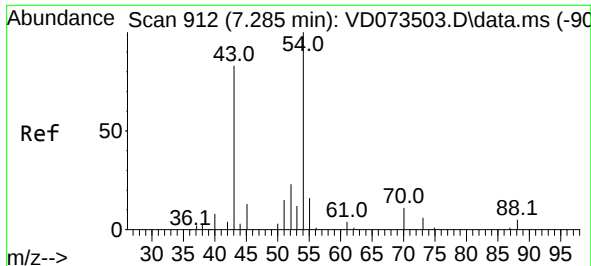
Ion Ratio Lower Upper

75 100

110 1.2 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.948 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.100 min

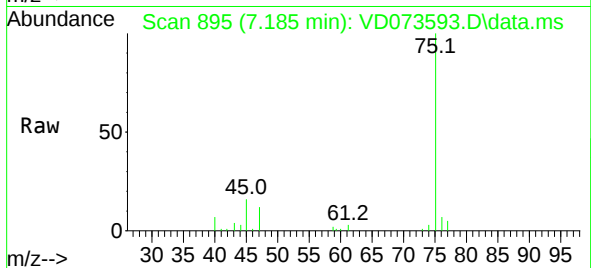
Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

Instrument :

MSVOA_D

ClientSampleId :



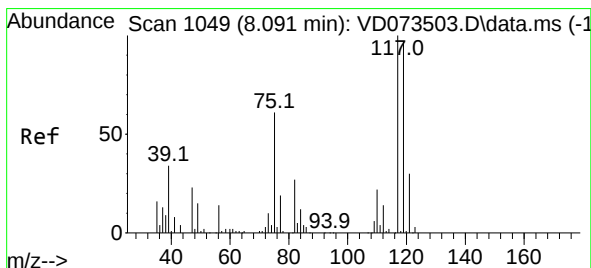
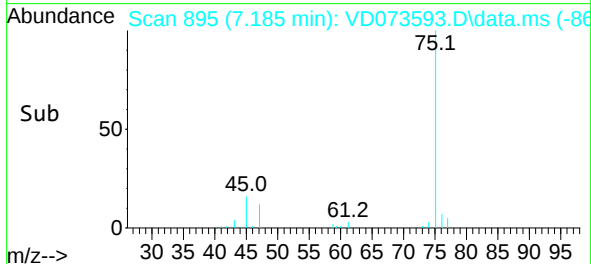
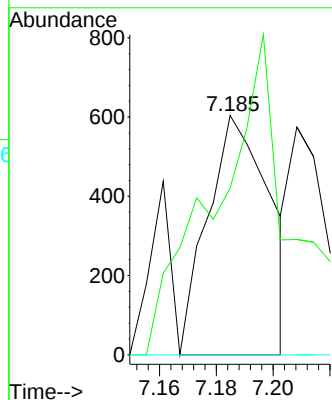
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

61 159.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.130 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

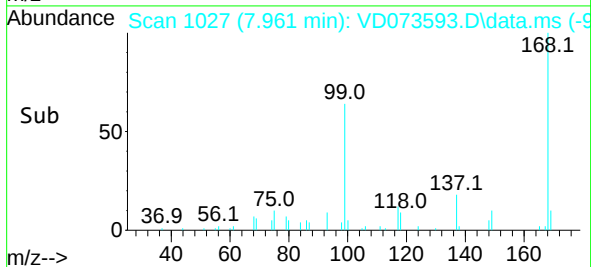
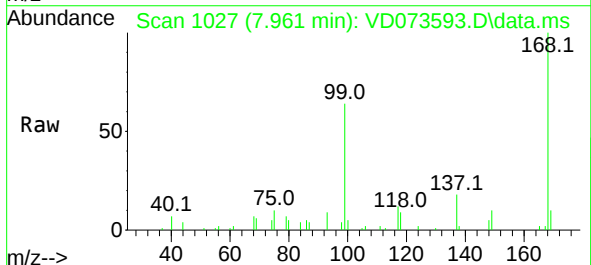
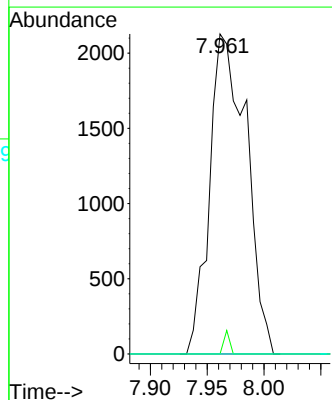
Tgt Ion: 117 Resp: 4791

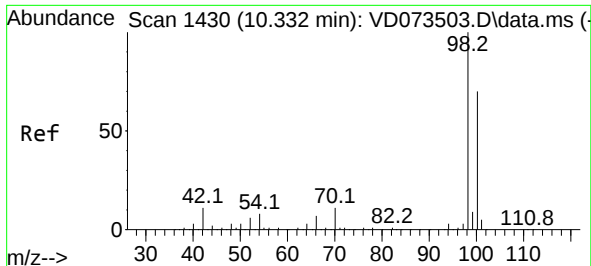
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.105 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073593.D

Acq: 15 Jun 2022 16:03

Instrument :

MSVOA_D

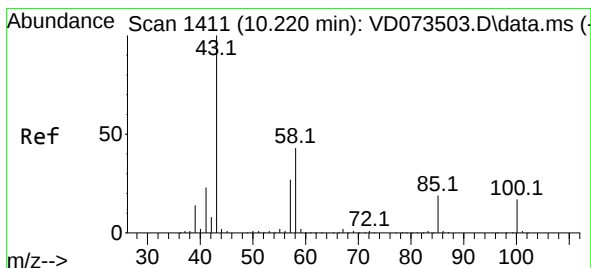
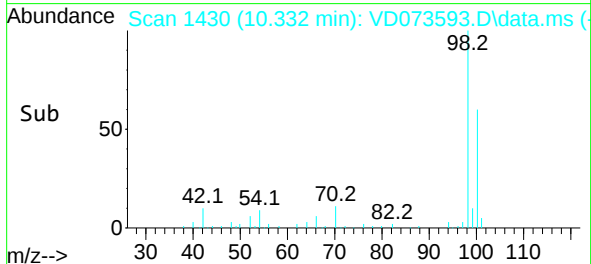
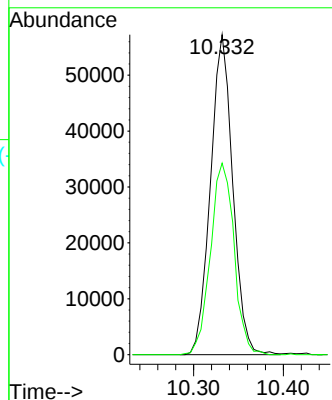
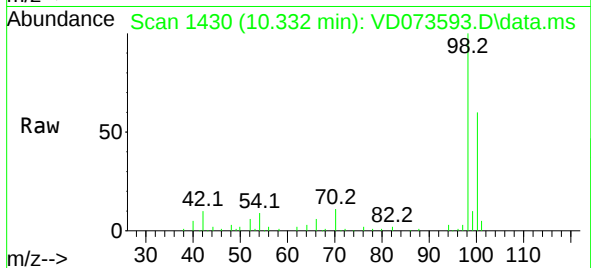
ClientSampleId :

Tgt Ion: 98 Resp: 98631

Ion Ratio Lower Upper

98 100

100 63.5 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.250 ug/l

RT: 10.214 min Scan# 1410

Delta R.T. -0.006 min

Lab File: VD073593.D

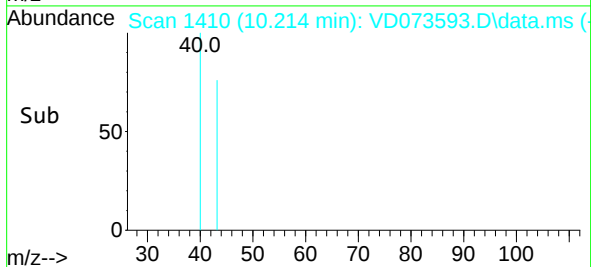
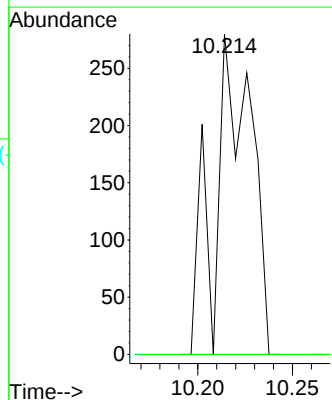
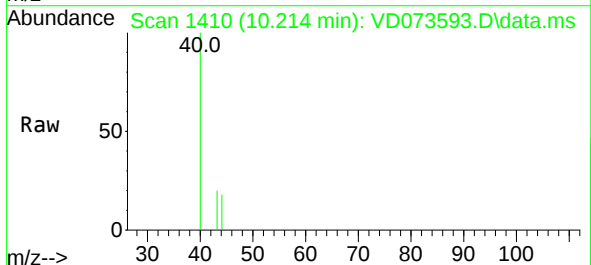
Acq: 15 Jun 2022 16:03

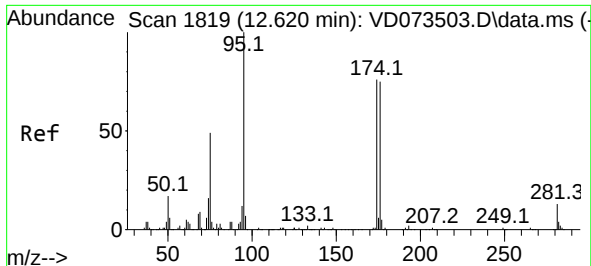
Tgt Ion: 43 Resp: 377

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#

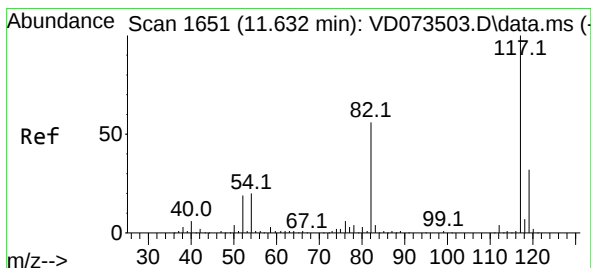
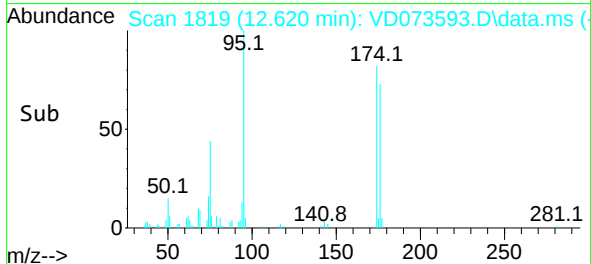
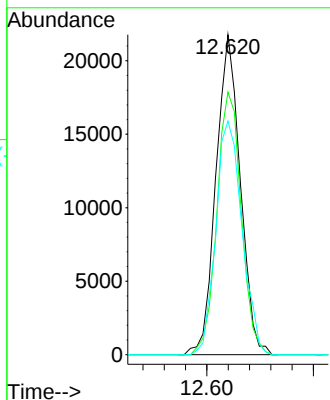
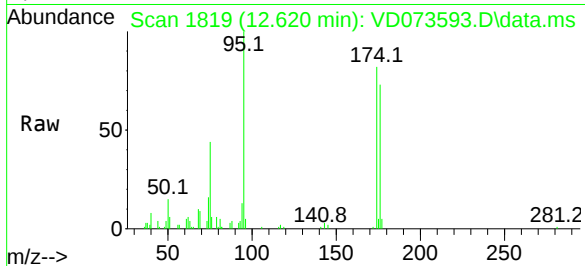




#62
4-Bromofluorobenzene
Concen: 49.102 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

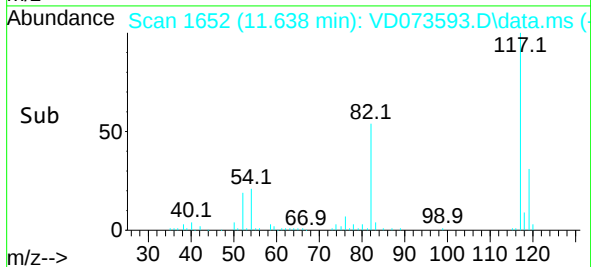
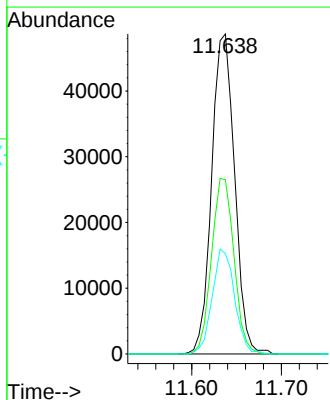
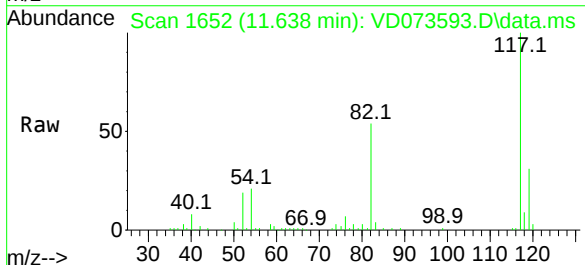
Instrument :
MSVOA_D
ClientSampleId :

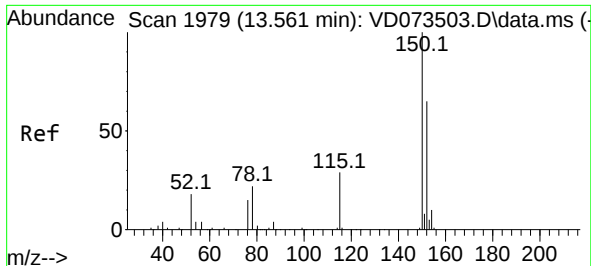
Tgt Ion: 95 Resp: 34402
Ion Ratio Lower Upper
95 100
174 82.6 0.0 152.8
176 78.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Tgt Ion: 117 Resp: 86414
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 31.4 26.6 40.0

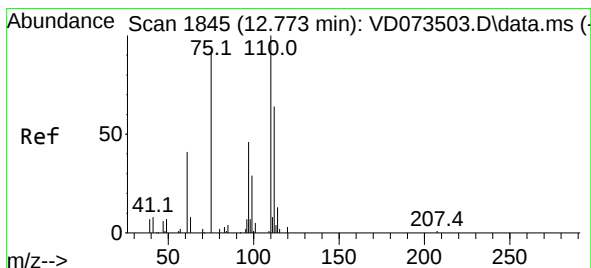
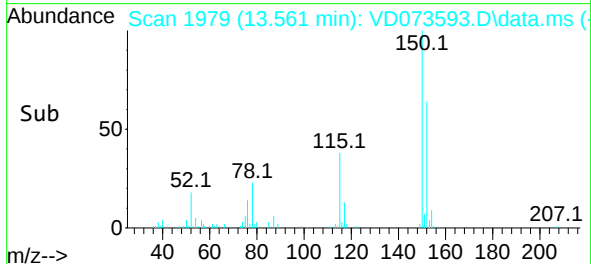
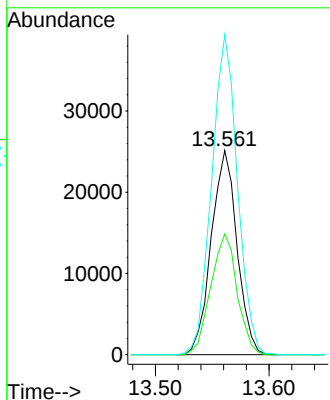
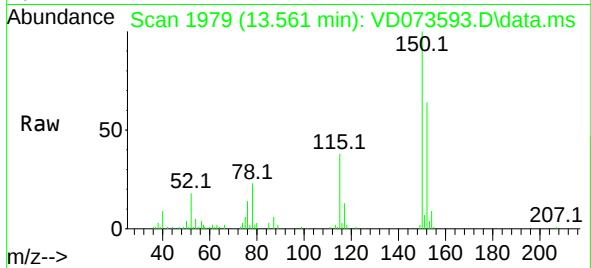




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073593.D
 Acq: 15 Jun 2022 16:03

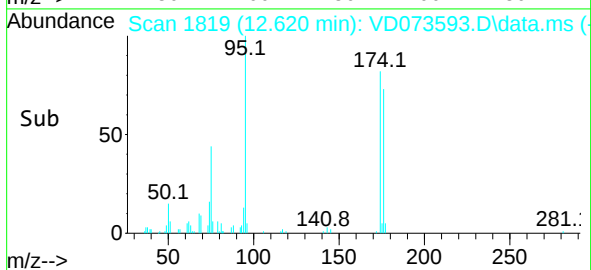
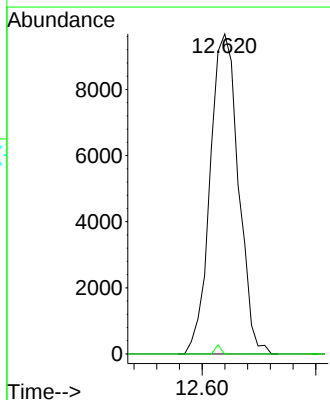
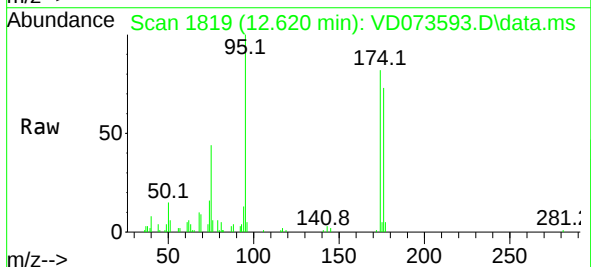
Instrument :
 MSVOA_D
 ClientSampleId :

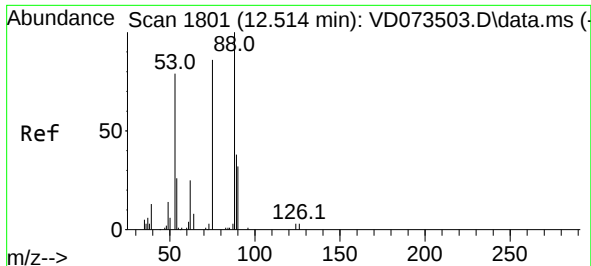
Tgt Ion:152 Resp: 39636
 Ion Ratio Lower Upper
 152 100
 115 60.4 31.3 93.8
 150 157.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 43.569 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073593.D
 Acq: 15 Jun 2022 16:03

Tgt Ion: 75 Resp: 16776
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#

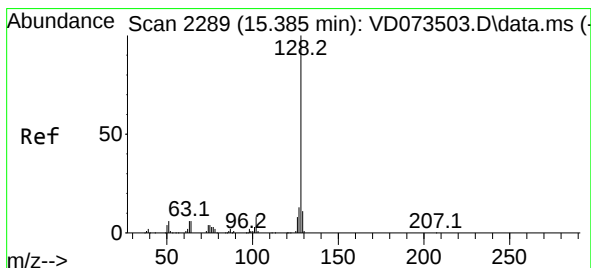
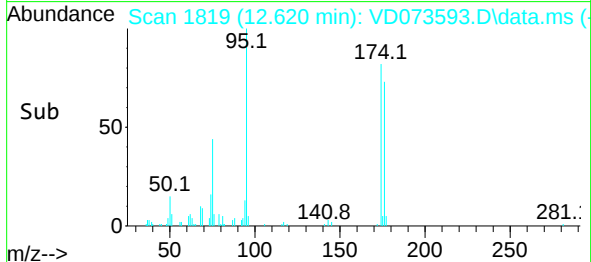
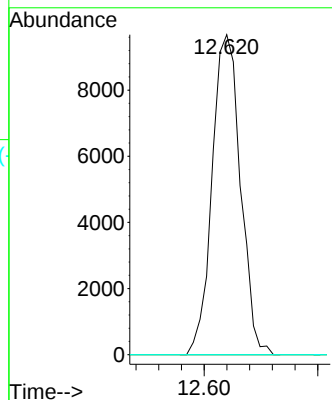
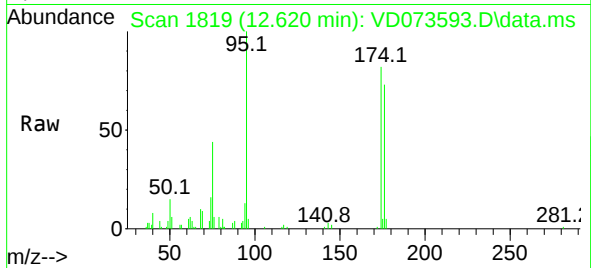




#81
trans-1,4-Dichloro-2-butene
Concen: 102.263 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 16776
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.293 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073593.D
Acq: 15 Jun 2022 16:03

Tgt Ion: 128 Resp: 139
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

