

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073550.D
 Acq On : 13 Jun 2022 17:11
 Operator : VA/SY
 Sample : N3302-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 I-1

Quant Time: Jun 14 01:29:01 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)

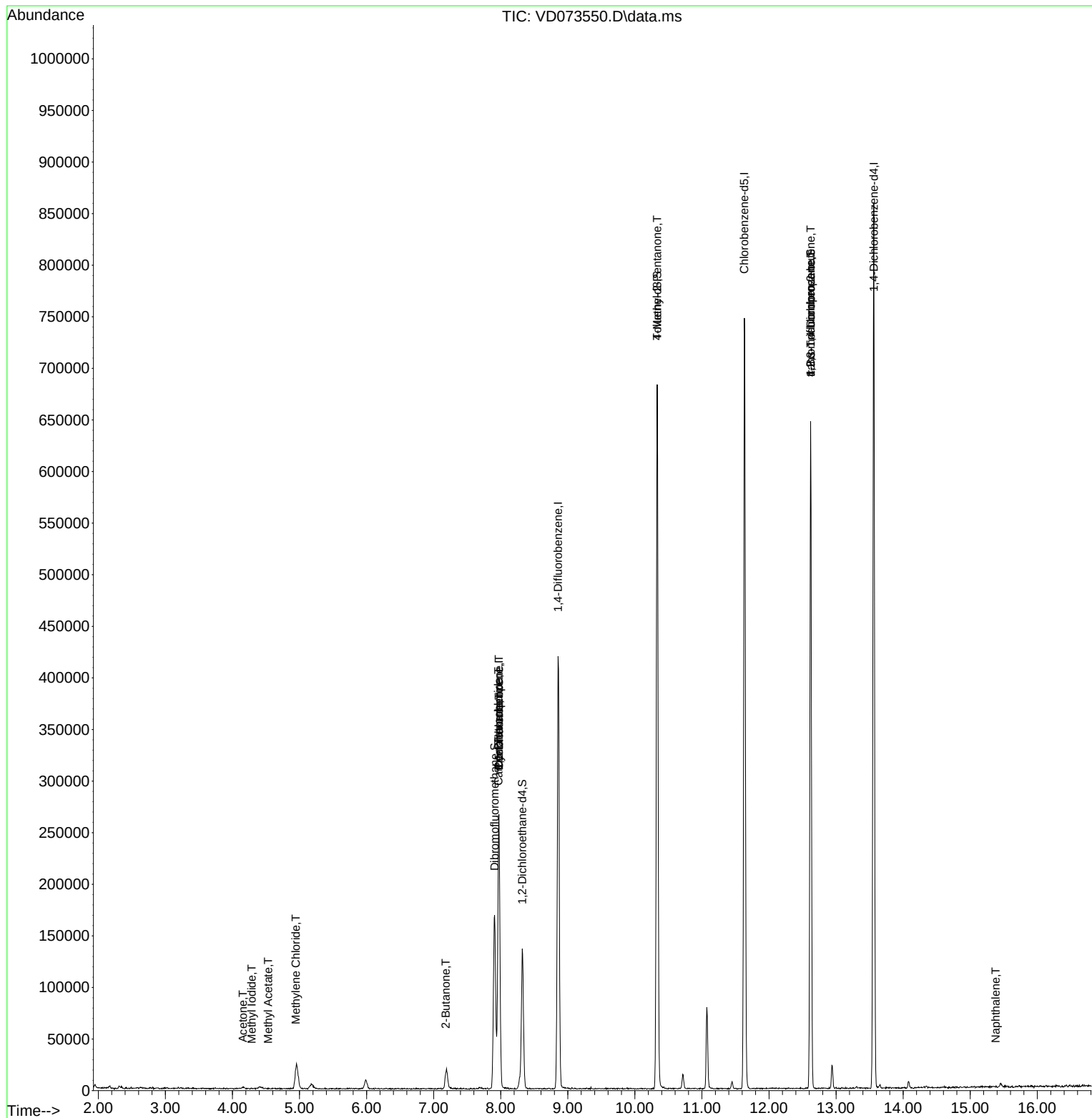
Internal Standards						
1) Pentafluorobenzene	7.973	168	192258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	360913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	440106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	223201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	106053	51.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.800%	
35) Dibromofluoromethane	7.909	113	121684	52.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.860%	
50) Toluene-d8	10.332	98	466094	53.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.240%	
62) 4-Bromofluorobenzene	12.620	95	207591	65.168	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 130.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	245	4.268	ug/l #	63
11) Tert butyl alcohol	5.179	59	3766	Below Cal	#	74
16) Acetone	4.156	43	2721	7.490	ug/l #	57
18) Methyl Acetate	4.532	43	54	1.420	ug/l #	55
20) Methylene Chloride	4.944	84	19465	5.654	ug/l #	71
25) 2-Butanone	7.179	43	1271	2.378	ug/l #	52
31) Cyclohexane	7.973	56	4137	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	15363	4.407	ug/l #	50
38) Carbon Tetrachloride	7.967	117	20816	5.709	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	1828	1.334	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	106373	49.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	106373	115.147	ug/l #	7
95) Naphthalene	15.379	128	216	4.228	ug/l #	70

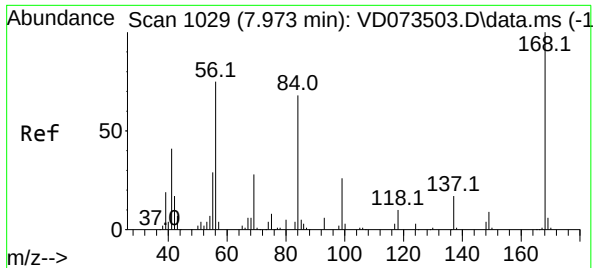
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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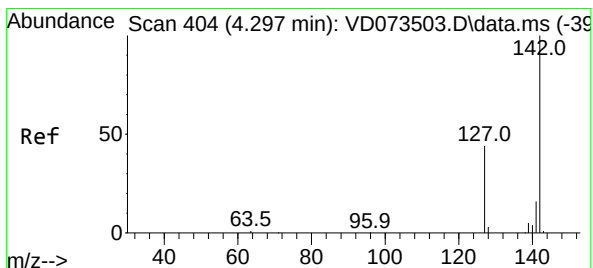
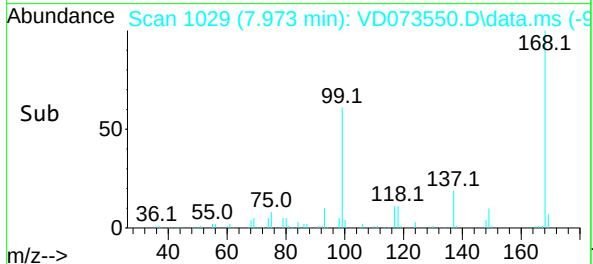
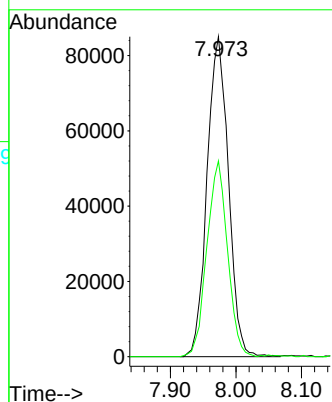
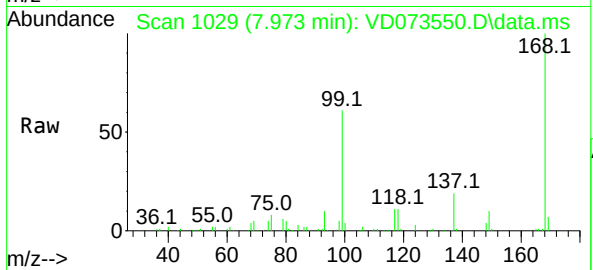




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

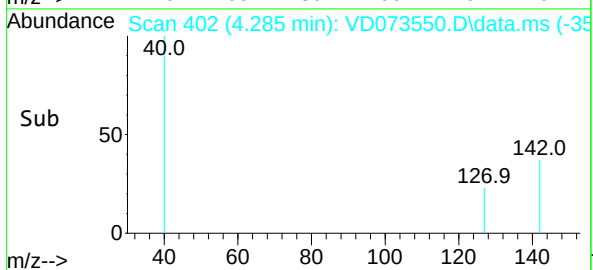
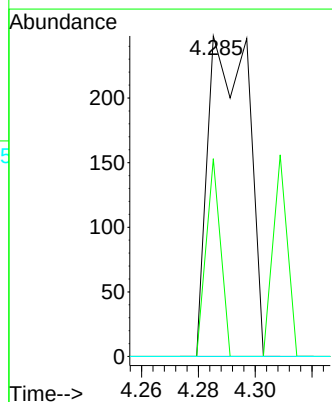
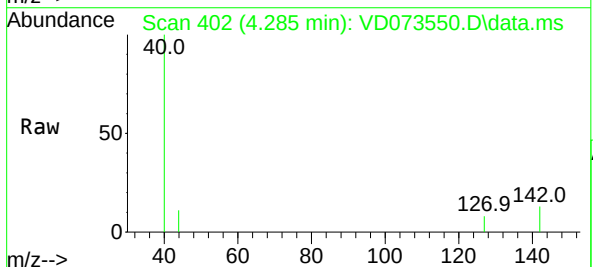
Instrument :
MSVOA_D
ClientSampleId :
I-1

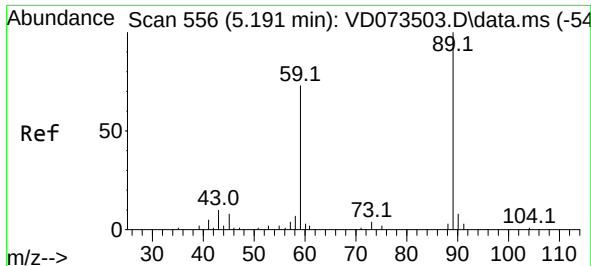
Tgt Ion:168 Resp: 192258
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#10
Methyl Iodide
Concen: 4.268 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Tgt Ion:142 Resp: 245
Ion Ratio Lower Upper
142 100
127 22.0 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: VD073550.D

Acq: 13 Jun 2022 17:11

Instrument :

MSVOA_D

ClientSampleId :

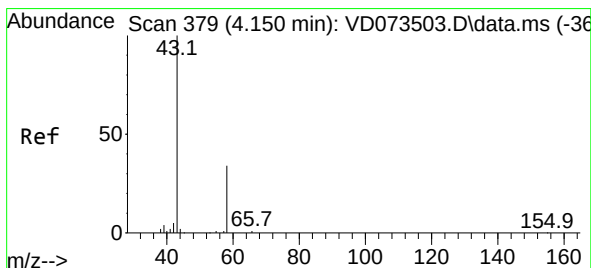
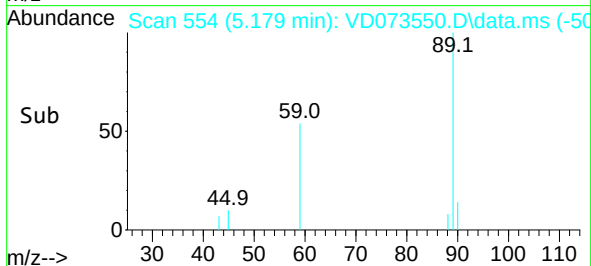
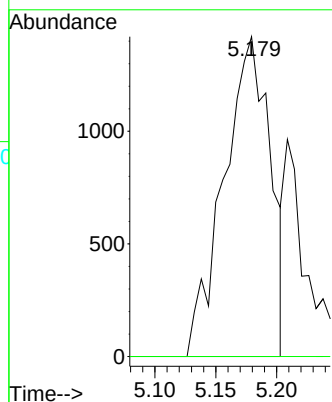
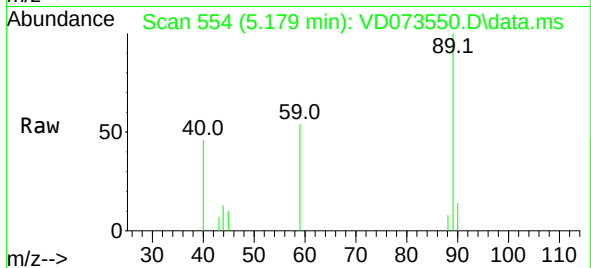
I-1

Tgt Ion: 59 Resp: 3766

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 7.490 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073550.D

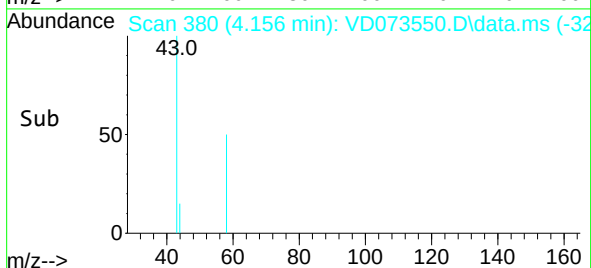
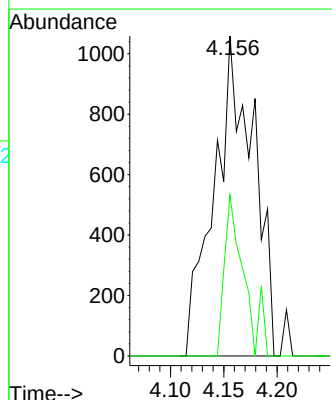
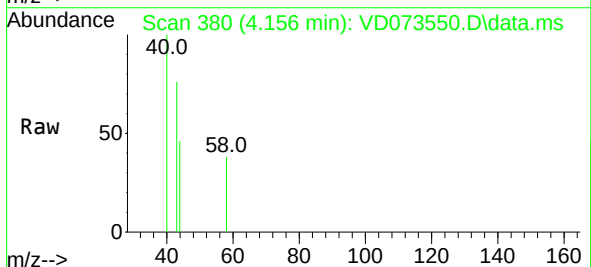
Acq: 13 Jun 2022 17:11

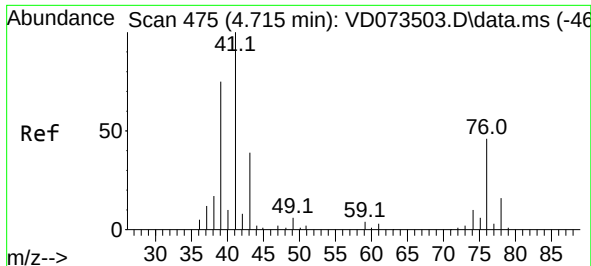
Tgt Ion: 43 Resp: 2721

Ion Ratio Lower Upper

43 100

58 50.2 22.1 33.1#

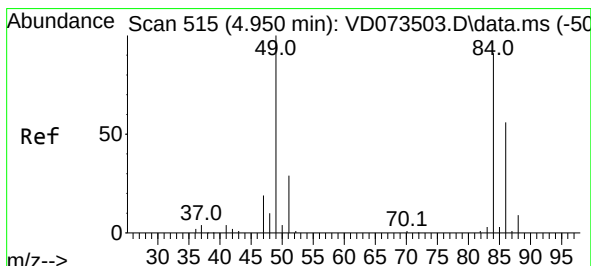
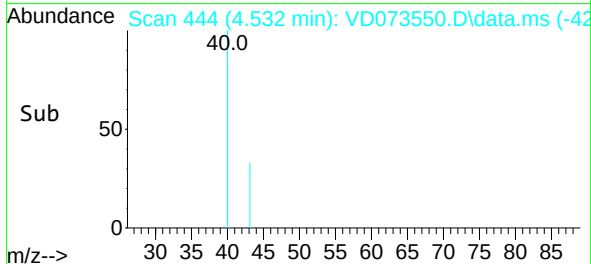
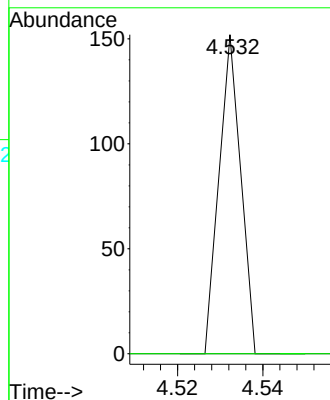
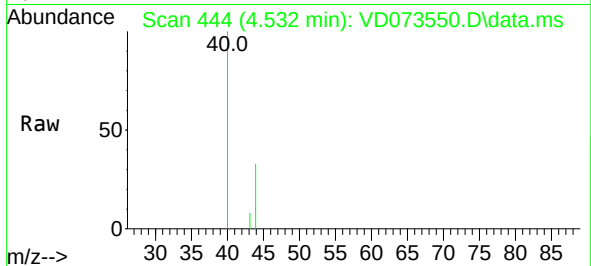




#18
Methyl Acetate
Concen: 1.420 ug/l
RT: 4.532 min Scan# 44
Delta R.T. -0.183 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

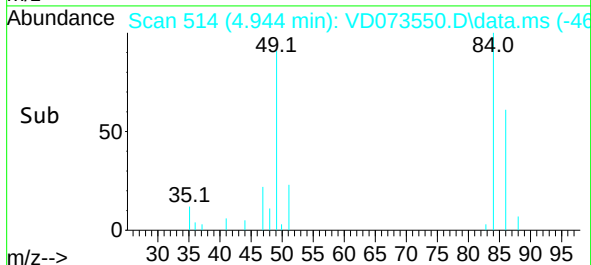
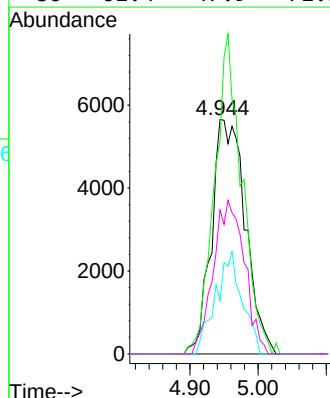
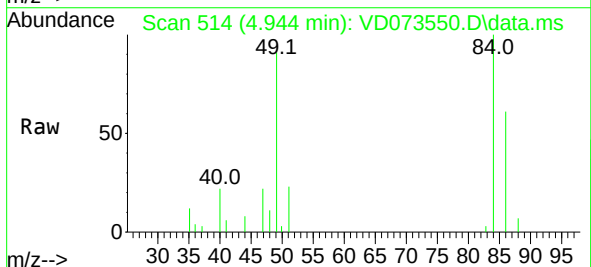
Instrument :
MSVOA_D
ClientSampleId :
I-1

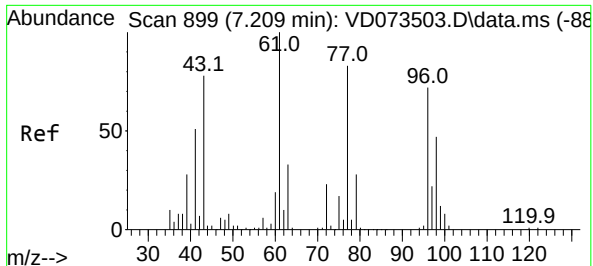
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 5.654 ug/l
RT: 4.944 min Scan# 514
Delta R.T. -0.006 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Tgt Ion: 84 Resp: 19465
Ion Ratio Lower Upper
84 100
49 90.9 112.8 169.2#
51 22.8 32.6 48.8#
86 61.4 47.9 71.9





#25

2-Butanone

Concen: 2.378 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.030 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

Instrument :

MSVOA_D

ClientSampleId :

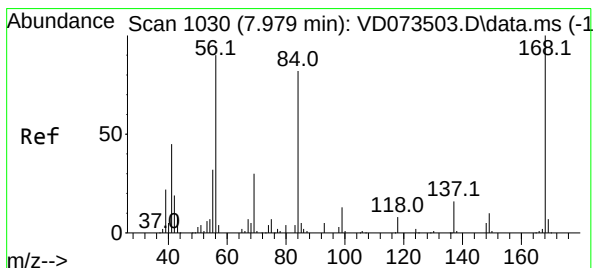
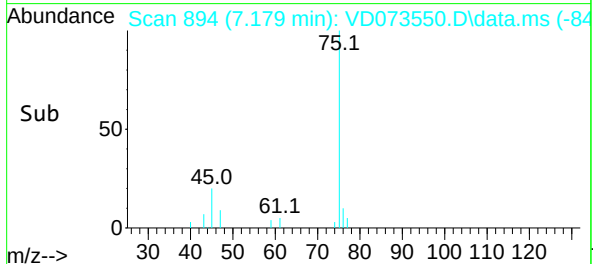
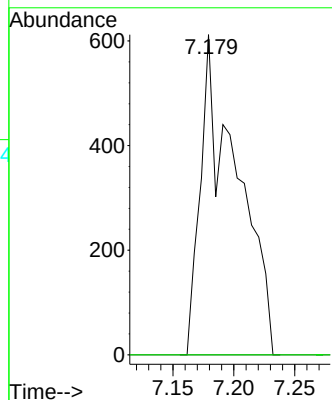
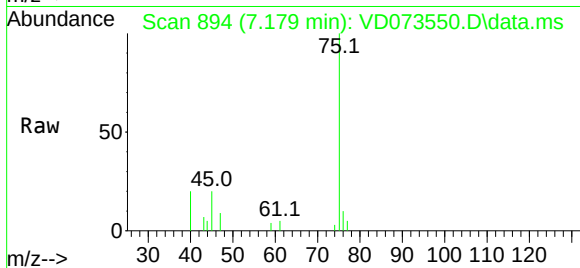
1-1

Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

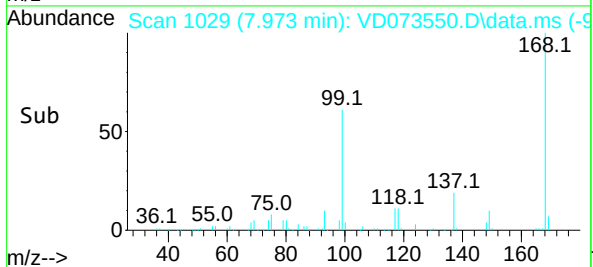
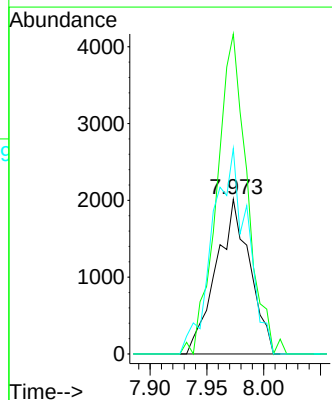
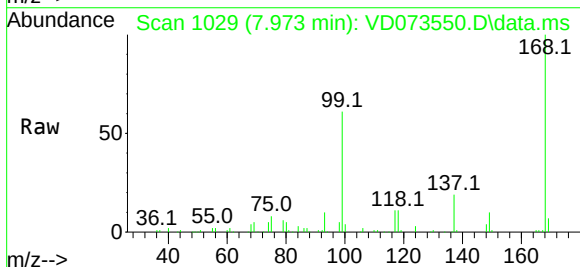
Tgt Ion: 56 Resp: 4137

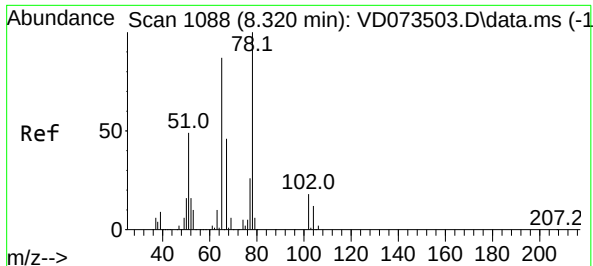
Ion Ratio Lower Upper

56 100

69 206.7 25.4 38.2#

84 132.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.403 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

Instrument :

MSVOA_D

ClientSampleId :

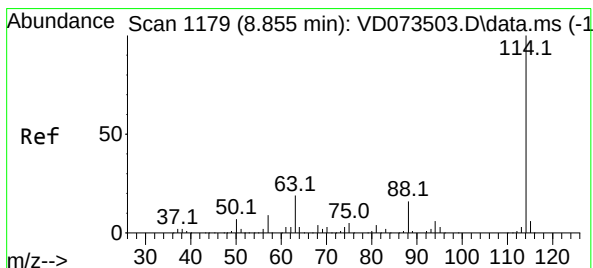
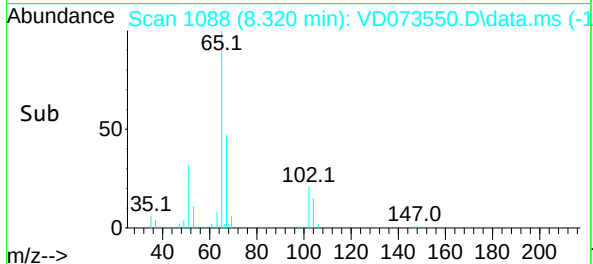
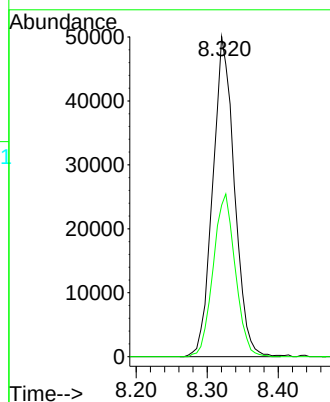
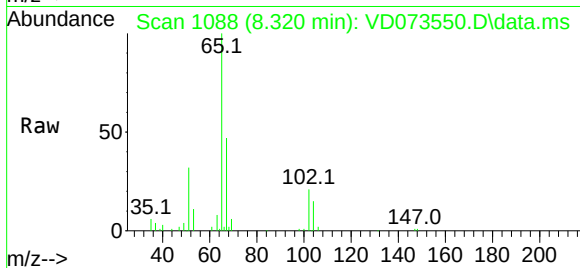
I-1

Tgt Ion: 65 Resp: 106053

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

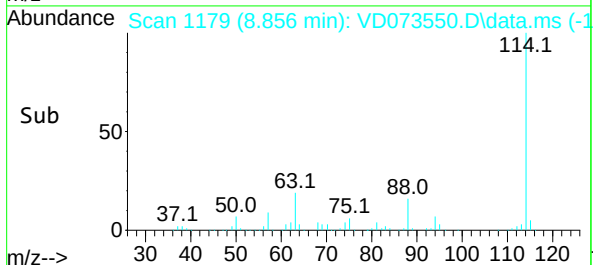
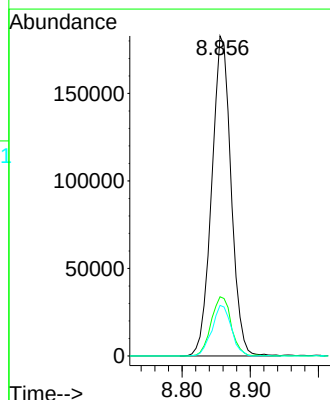
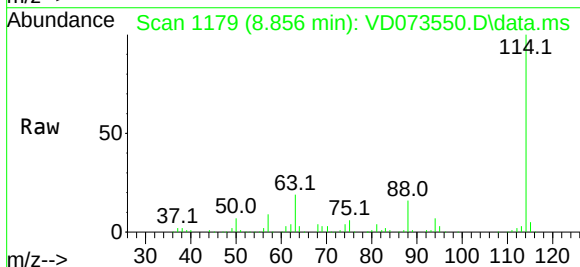
Tgt Ion: 114 Resp: 360913

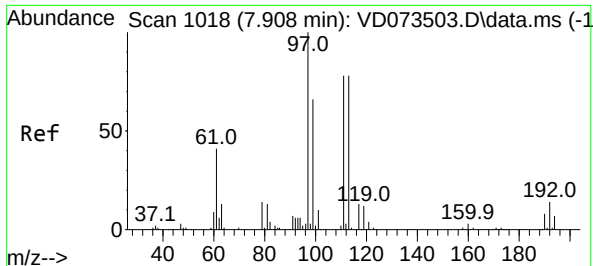
Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.432 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

Instrument :

MSVOA_D

ClientSampleId :

I-1

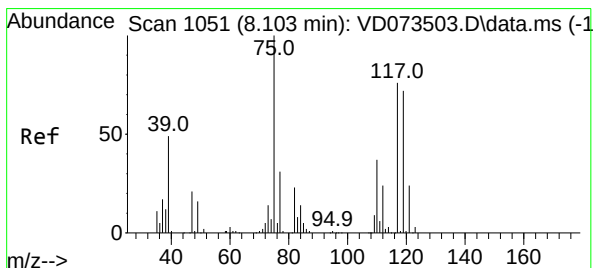
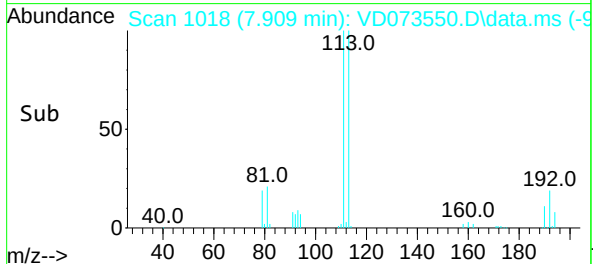
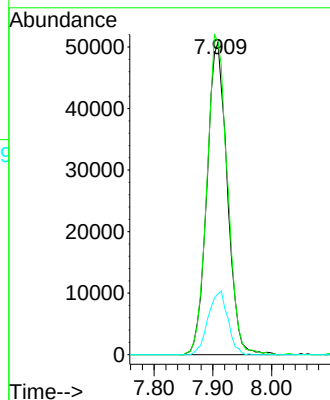
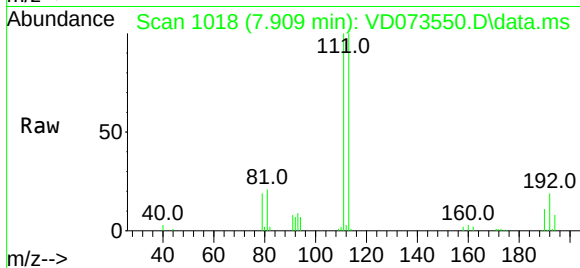
Tgt Ion:113 Resp: 121684

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 19.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.407 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073550.D

Acq: 13 Jun 2022 17:11

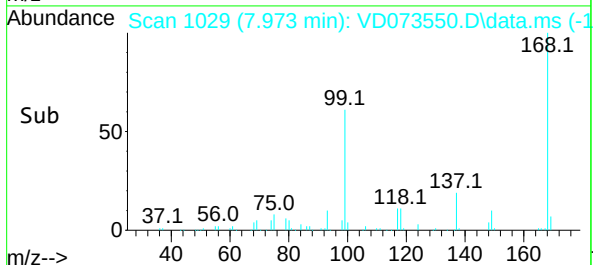
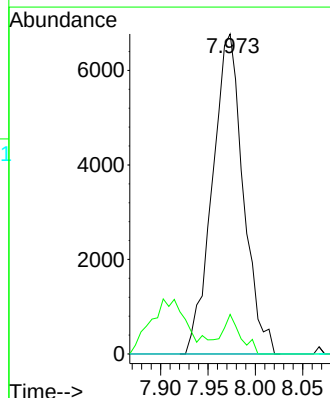
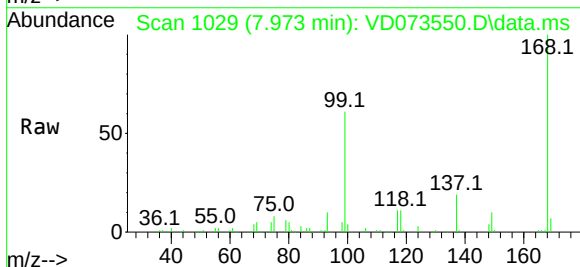
Tgt Ion: 75 Resp: 15363

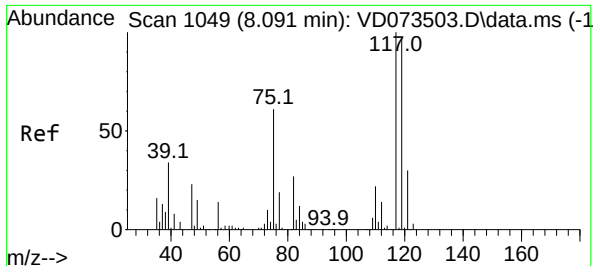
Ion Ratio Lower Upper

75 100

110 7.2 16.4 49.1#

77 0.0 24.2 36.2#

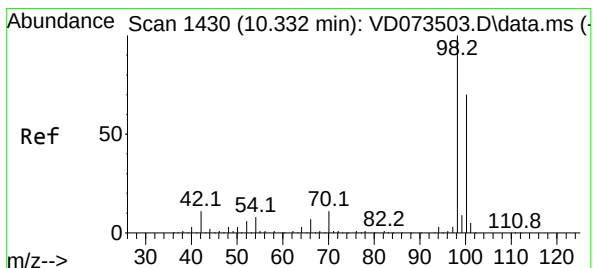
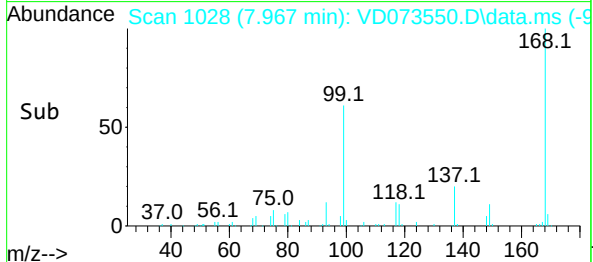
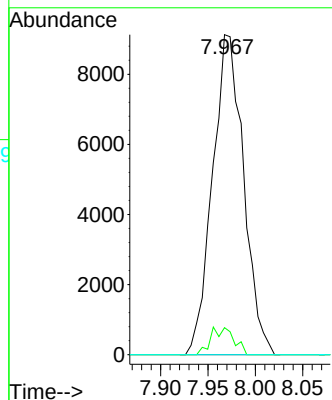
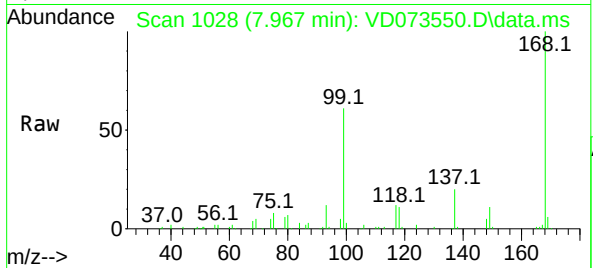




#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

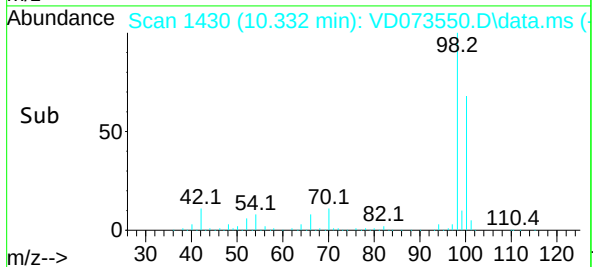
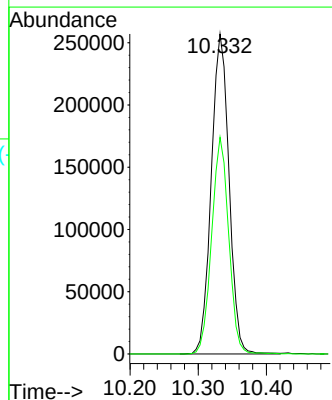
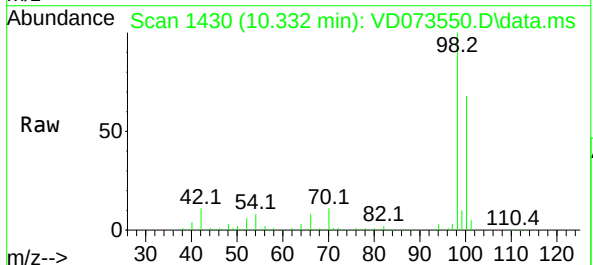
Instrument :
MSVOA_D
ClientSampleId :
I-1

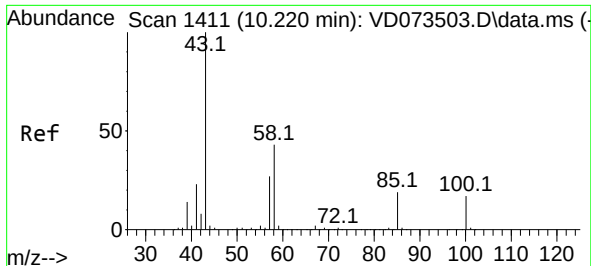
Tgt Ion:117 Resp: 20816
Ion Ratio Lower Upper
117 100
119 8.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.118 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Tgt Ion: 98 Resp: 466094
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

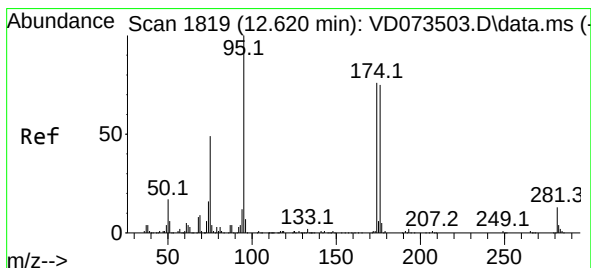
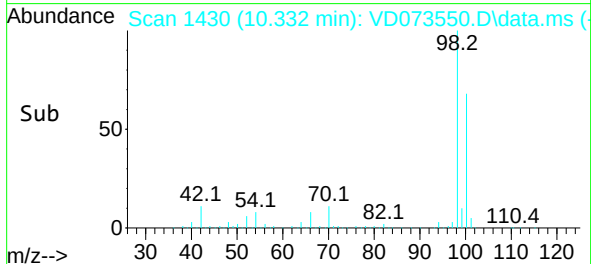
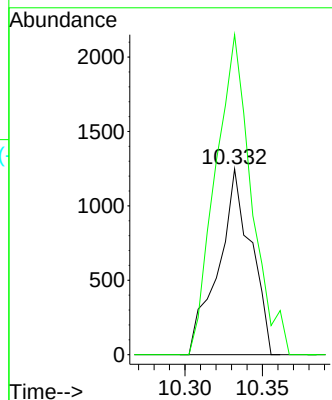
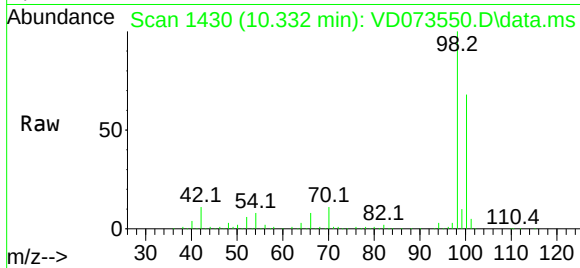




#51
4-Methyl-2-Pentanone
Concen: 1.334 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

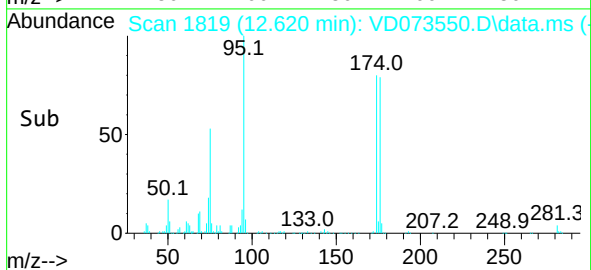
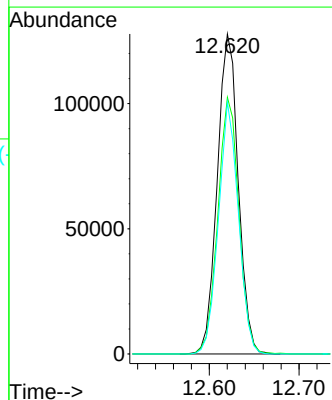
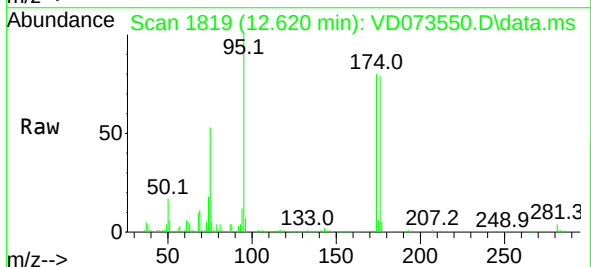
Instrument :
MSVOA_D
ClientSampleId :
I-1

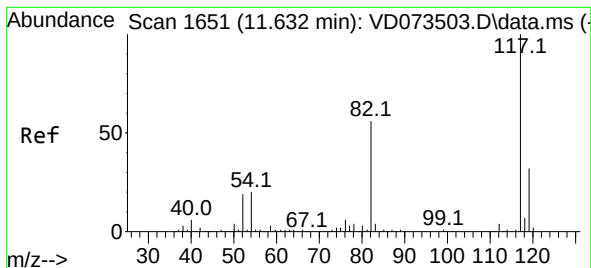
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
58 190.4 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 65.168 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Tgt Ion: 95 Resp: 207591
Ion Ratio Lower Upper
95 100
174 80.4 0.0 152.8
176 74.9 0.0 145.4

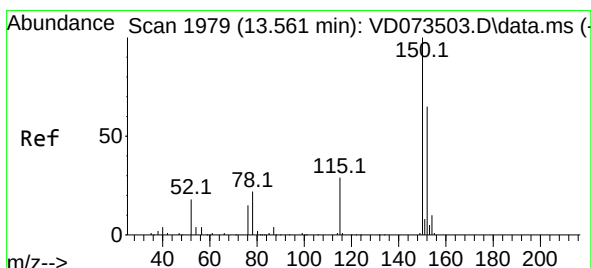
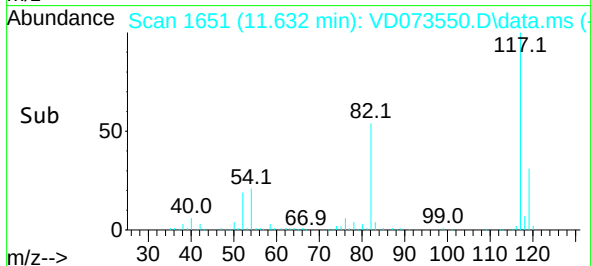
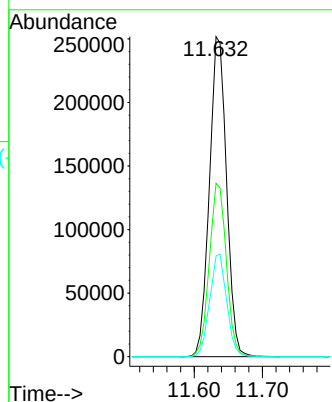
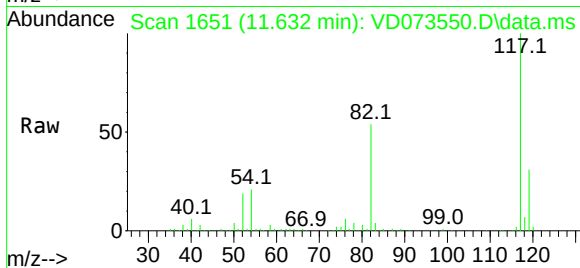




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

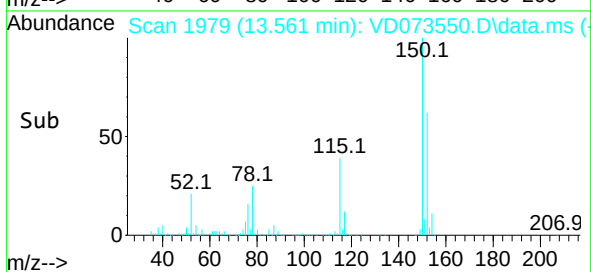
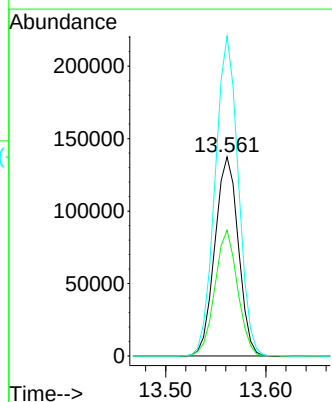
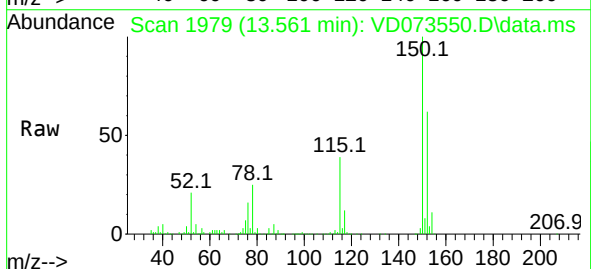
Instrument :
MSVOA_D
ClientSampleId :
I-1

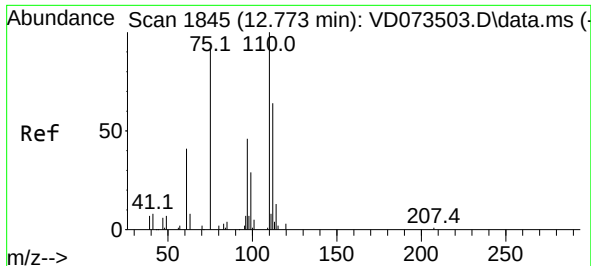
Tgt Ion:117 Resp: 440106
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Tgt Ion:152 Resp: 223201
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 158.9 0.0 348.6

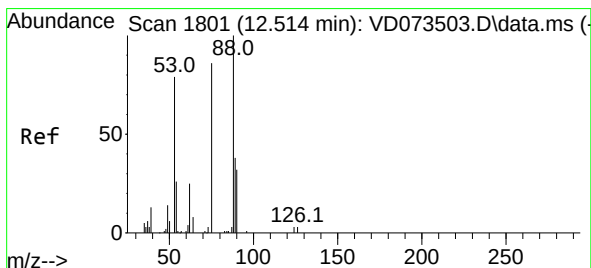
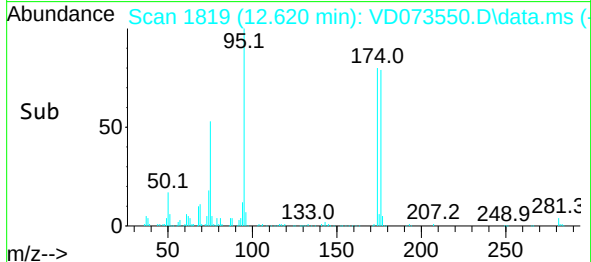
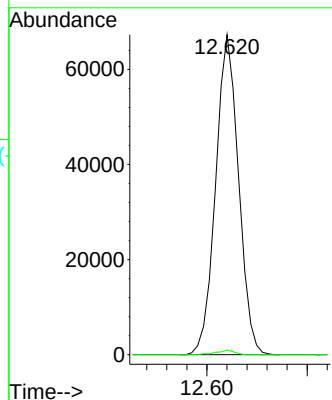
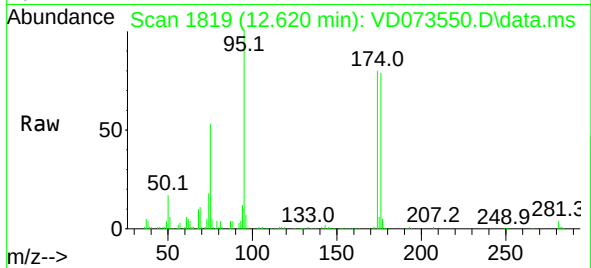




#76
1,2,3-Trichloropropane
Concen: 49.058 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

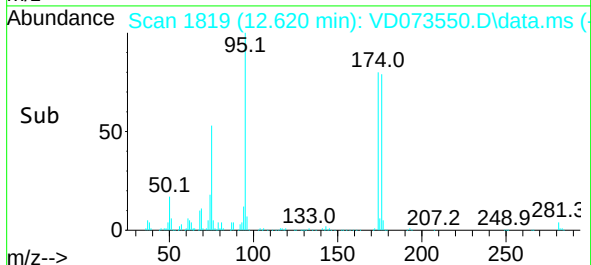
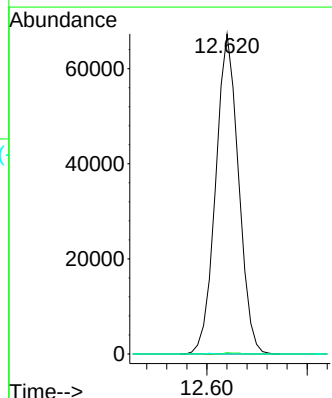
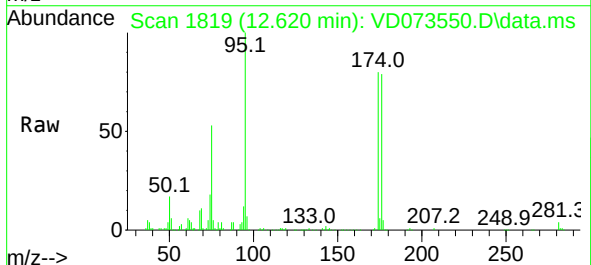
Instrument :
MSVOA_D
ClientSampleId :
I-1

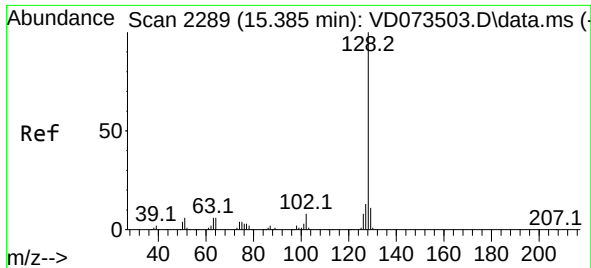
Tgt Ion: 75 Resp: 106373
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.147 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

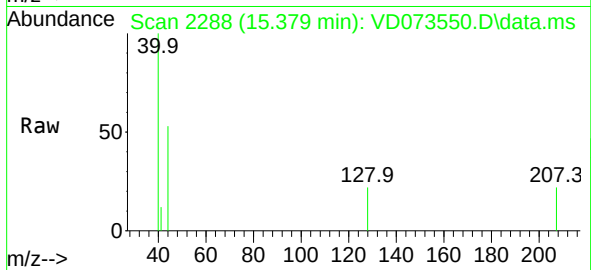
Tgt Ion: 75 Resp: 106373
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 4.228 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073550.D
Acq: 13 Jun 2022 17:11

Instrument :
MSVOA_D
ClientSampleId :
I-1



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

