

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073444.D
 Acq On : 01 Jun 2022 13:23
 Operator : VA/SY
 Sample : N3107-01
 Misc : 4.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-5

Quant Time: Jun 02 04:08:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

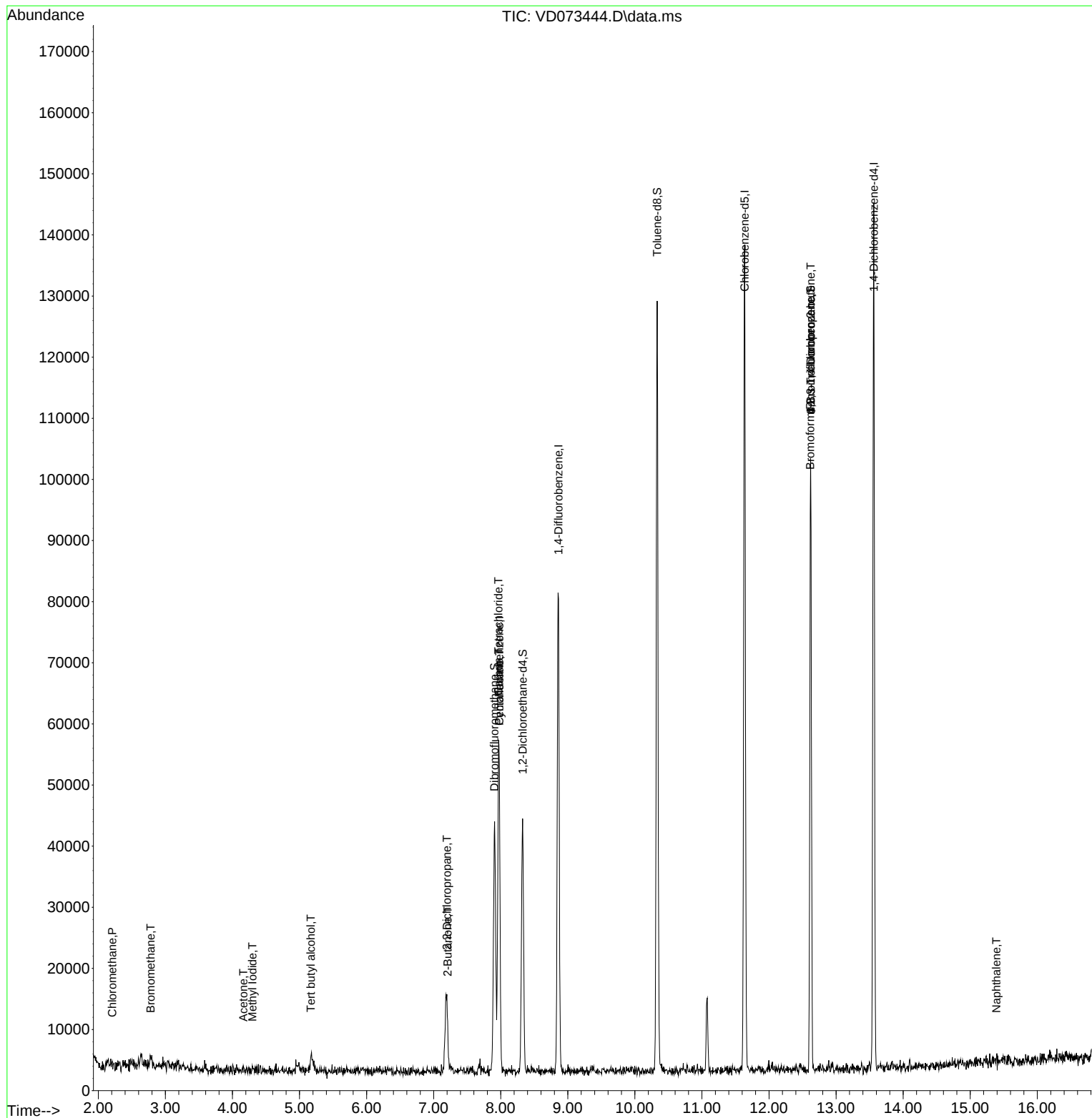
Internal Standards						
1) Pentafluorobenzene	7.979	168	40156	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	68943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	82967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	37360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	33338	75.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.240%			
35) Dibromofluoromethane	7.903	113	29449	64.733	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.460%			
50) Toluene-d8	10.332	98	87623	52.250	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.620	95	34056	57.867	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.740%			
Target Compounds			Qvalue			
3) Chloromethane	2.209	50	883	1.946	ug/l	# 40
5) Bromomethane	2.779	94	1359	1.168	ug/l	81
10) Methyl Iodide	4.297	142	579	1.226	ug/l	# 87
11) Tert butyl alcohol	5.167	59	2522	36.629	ug/l	# 74
16) Acetone	4.162	43	503	6.544	ug/l	# 47
20) Methylene Chloride	4.950	84	746	Below Cal	#	32
25) 2-Butanone	7.208	43	274	2.436	ug/l	# 52
26) 2,2-Dichloropropane	7.197	77	1203	1.609	ug/l	# 54
31) Cyclohexane	7.979	56	1006	1.297	ug/l	# 53
38) Carbon Tetrachloride	7.967	117	4072	5.871	ug/l	# 13
71) Bromoform	12.614	173	367	1.130	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	17318	47.244	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	17318	113.418	ug/l	# 7
95) Naphthalene	15.390	128	954	4.266	ug/l	# 86

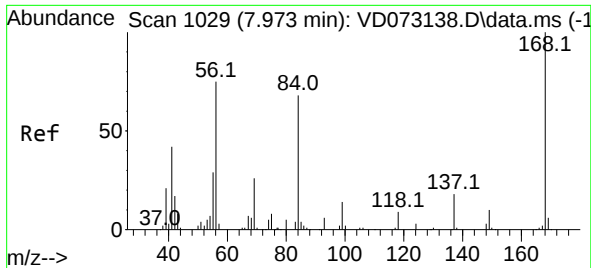
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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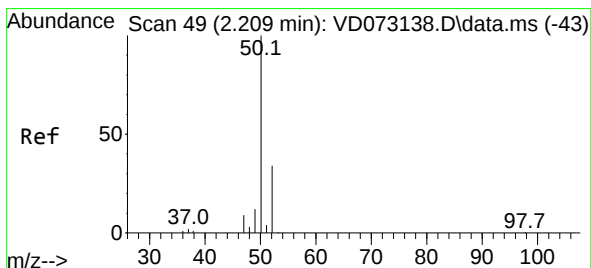
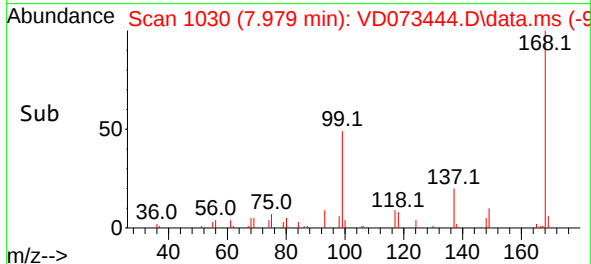
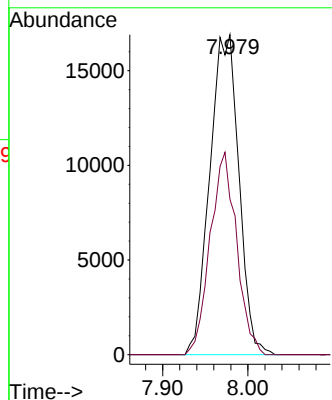
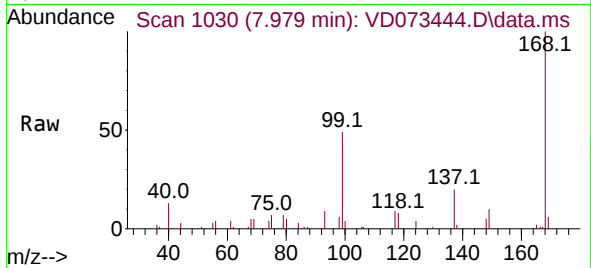




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

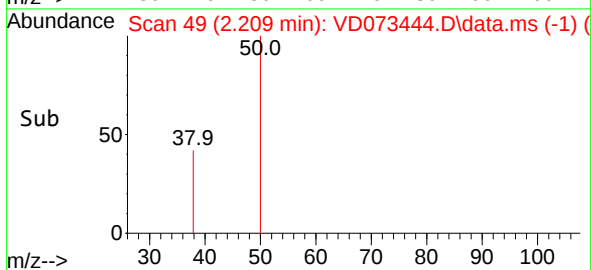
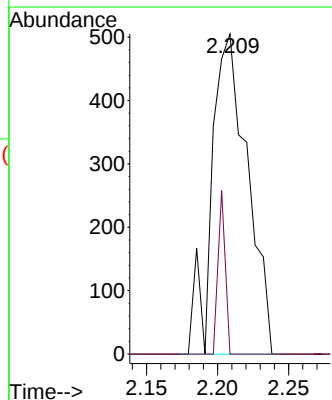
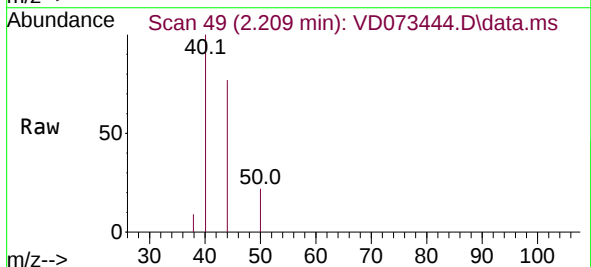
Instrument :
MSVOA_D
ClientSampleId :
MS-5

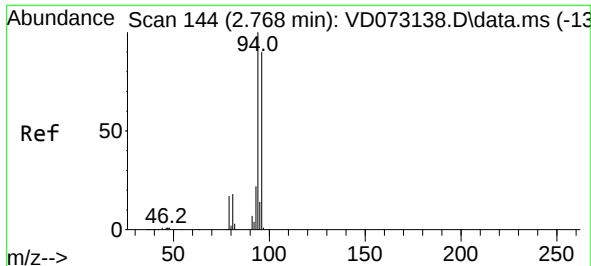
Tgt Ion:168 Resp: 40156
Ion Ratio Lower Upper
168 100
99 48.5 49.8 74.6#



#3
Chloromethane
Concen: 1.946 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

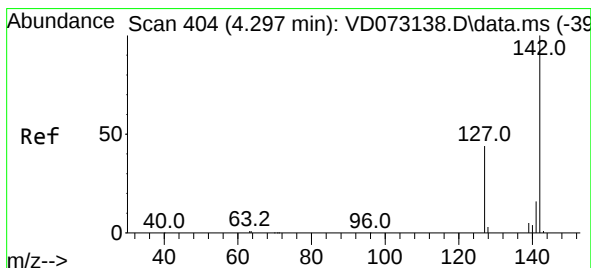
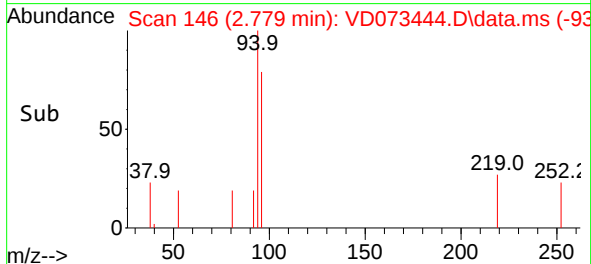
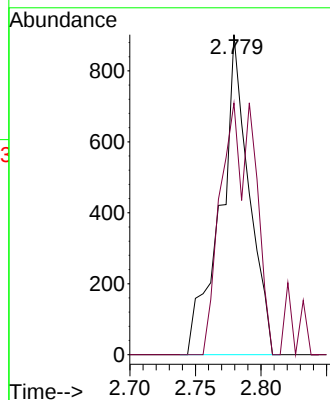
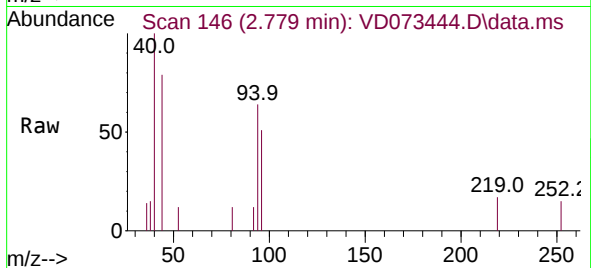




#5
Bromomethane
Concen: 1.168 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.011 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

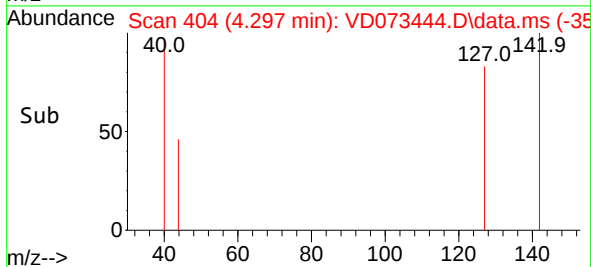
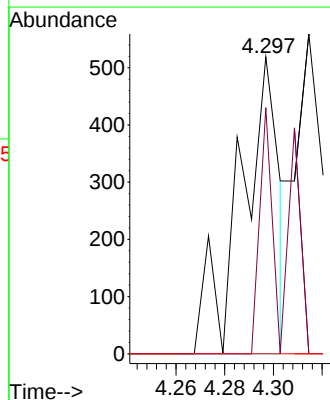
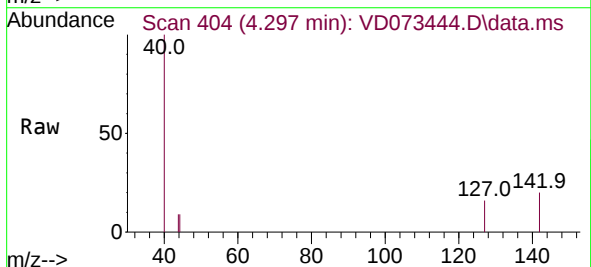
Instrument :
MSVOA_D
ClientSampleId :
MS-5

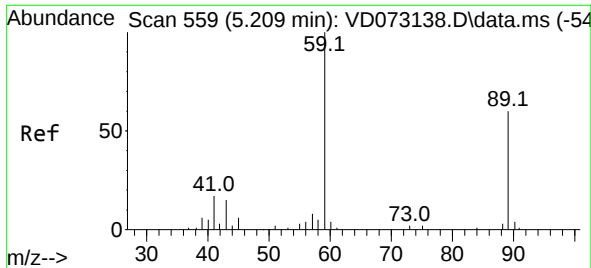
Tgt Ion: 94 Resp: 1359
Ion Ratio Lower Upper
94 100
96 78.6 77.6 116.4



#10
Methyl Iodide
Concen: 1.226 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion: 142 Resp: 579
Ion Ratio Lower Upper
142 100
127 50.3 37.3 55.9
141 0.0 11.7 17.5#

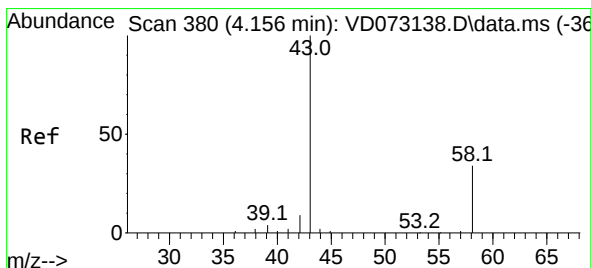
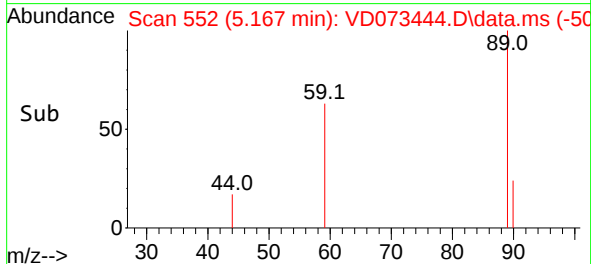
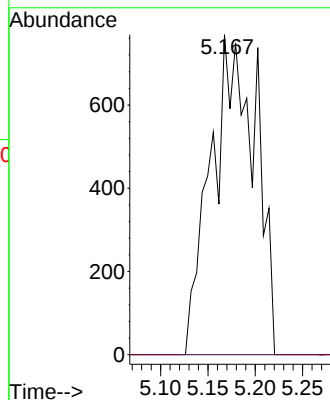
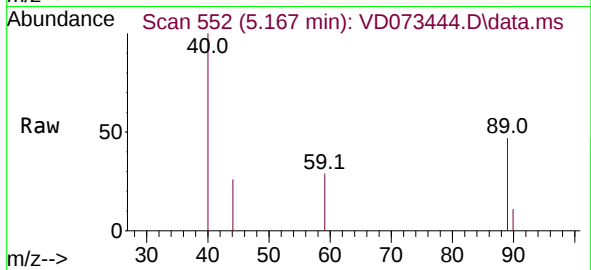




#11
Tert butyl alcohol
Concen: 36.629 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

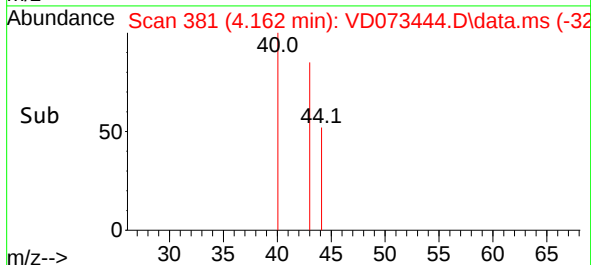
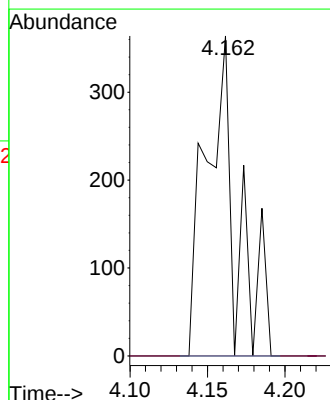
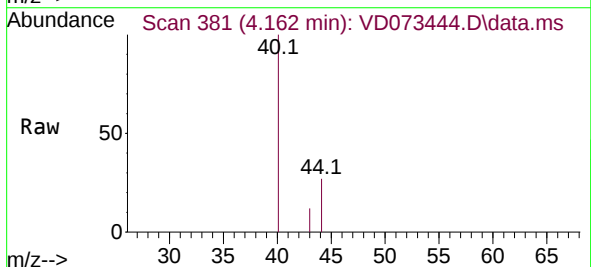
Instrument :
MSVOA_D
ClientSampleId :
MS-5

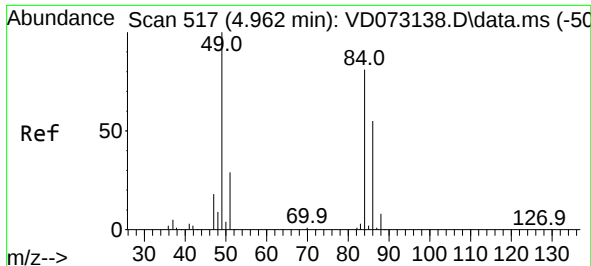
Tgt Ion: 59 Resp: 2522
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.544 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

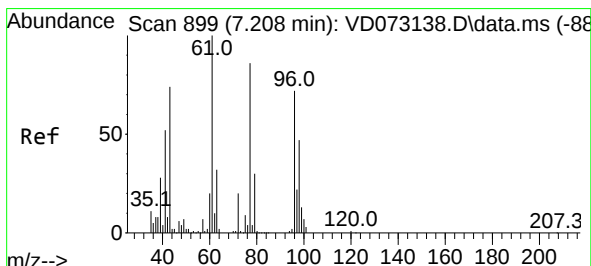
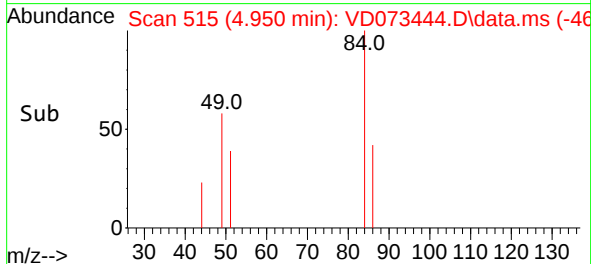
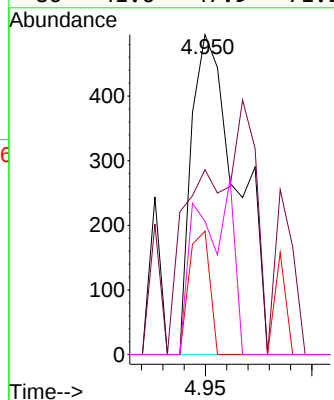
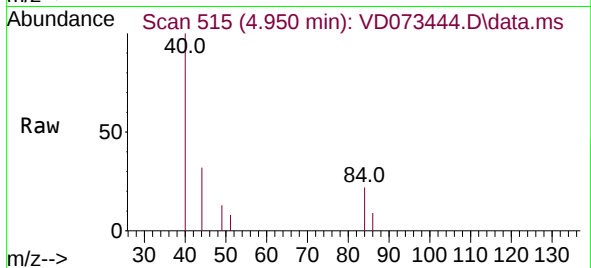




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

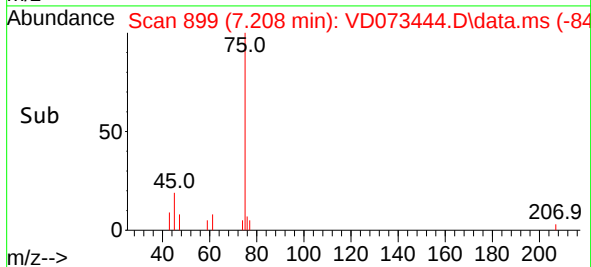
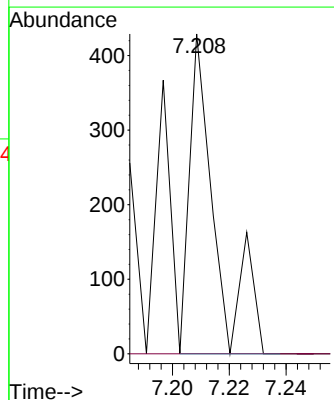
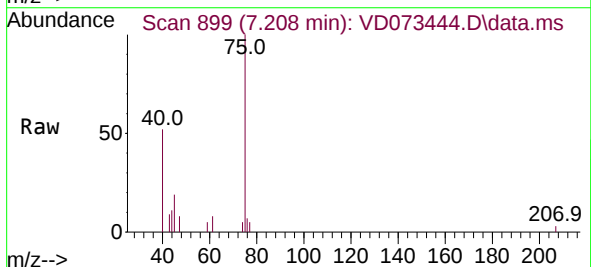
Instrument :
MSVOA_D
ClientSampleId :
MS-5

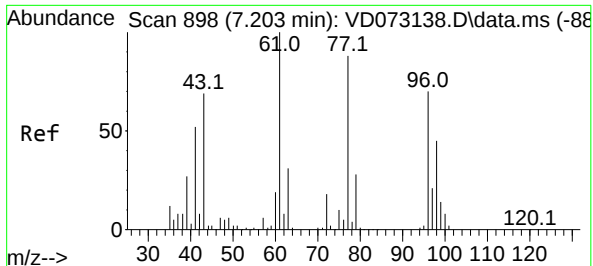
Tgt Ion:	84	Resp:	746
Ion	Ratio	Lower	Upper
84	100		
49	13.1	112.8	169.2#
51	38.6	32.6	48.8
86	41.6	47.9	71.9#



#25
2-Butanone
Concen: 2.436 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion:	43	Resp:	274
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 1.609 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.006 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

Instrument :

MSVOA_D

ClientSampleId :

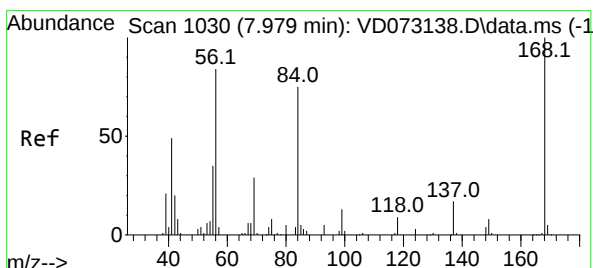
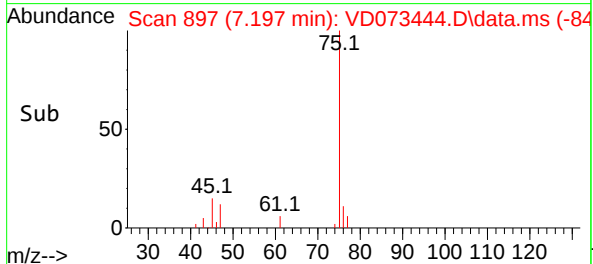
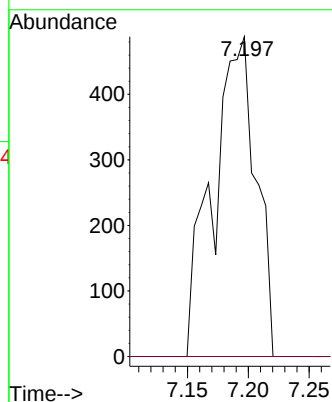
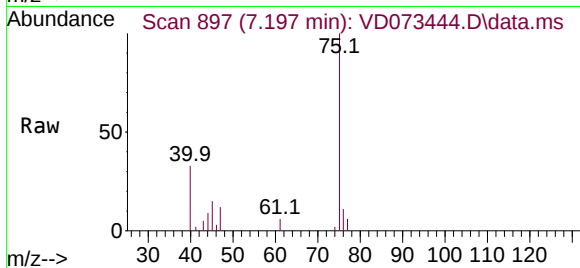
MS-5

Tgt Ion: 77 Resp: 1203

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

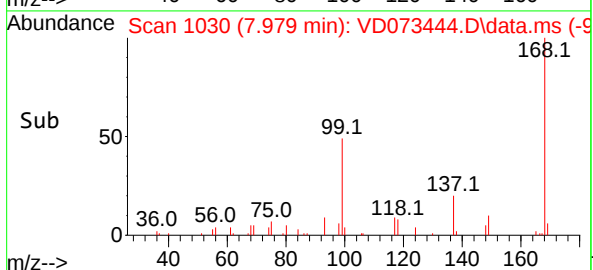
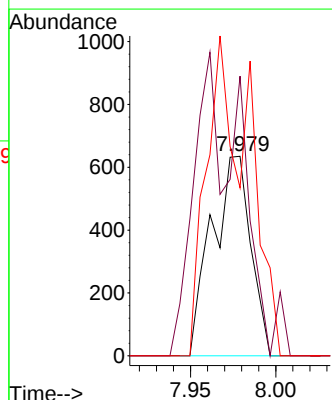
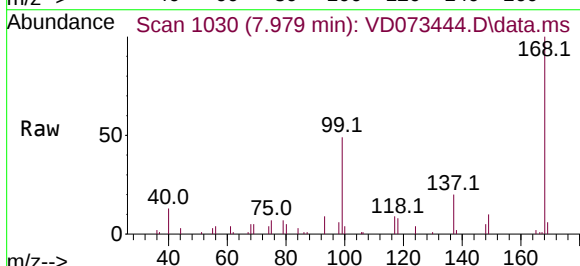
Tgt Ion: 56 Resp: 1006

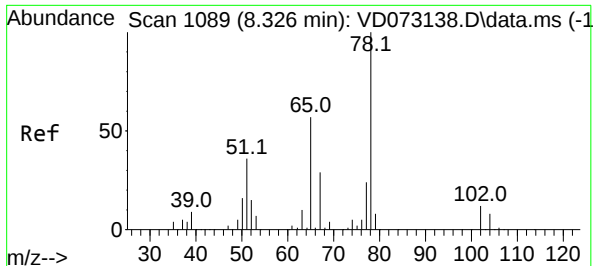
Ion Ratio Lower Upper

56 100

69 114.0 25.4 38.2#

84 84.3 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 75.123 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

Instrument :

MSVOA_D

ClientSampleId :

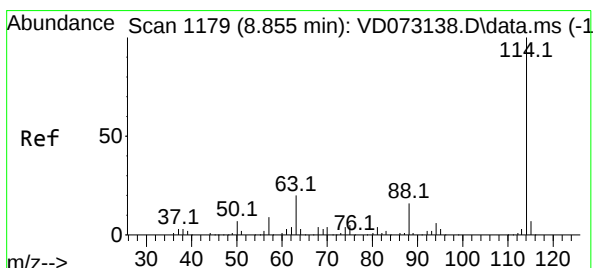
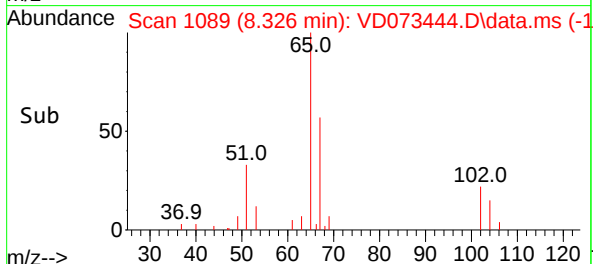
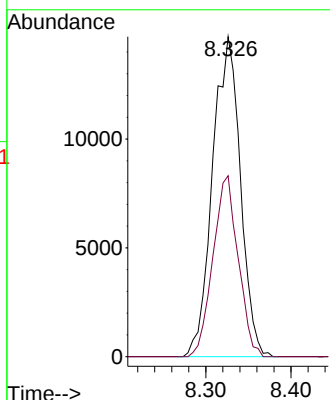
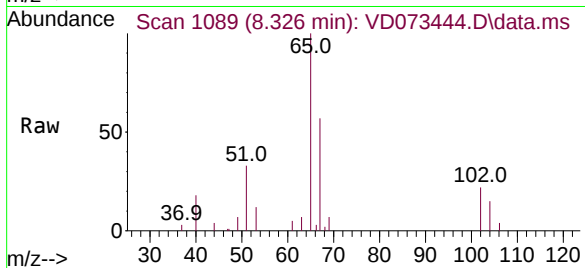
MS-5

Tgt Ion: 65 Resp: 33338

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

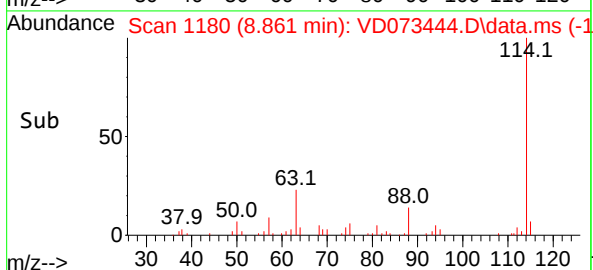
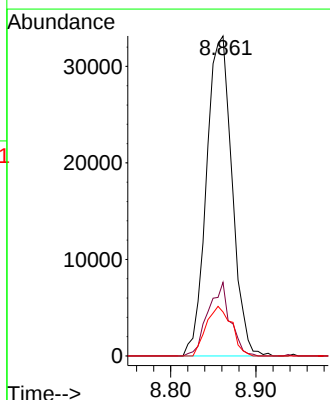
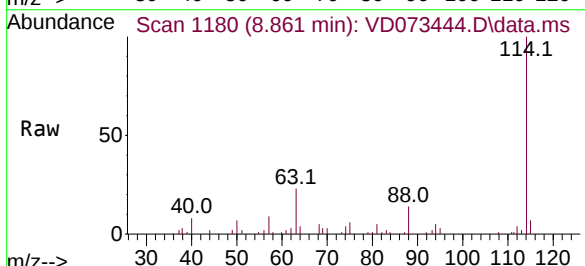
Tgt Ion: 114 Resp: 68943

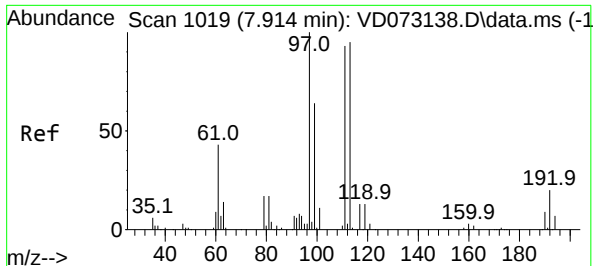
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.6

88 13.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 64.733 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

Instrument :

MSVOA_D

ClientSampleId :

MS-5

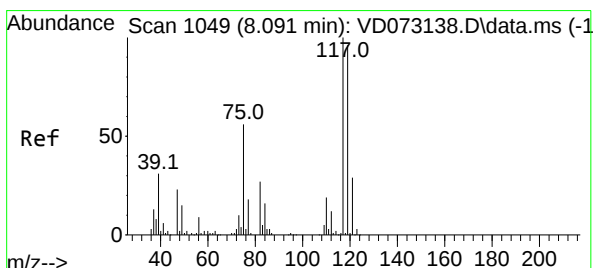
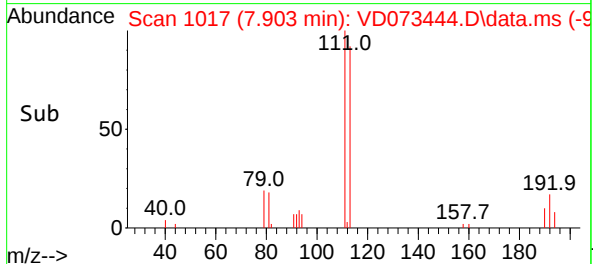
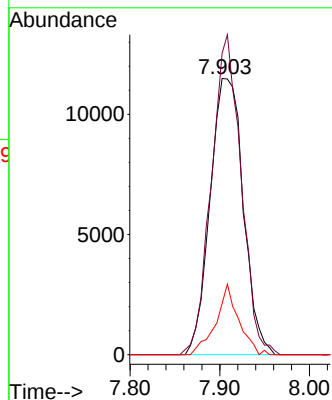
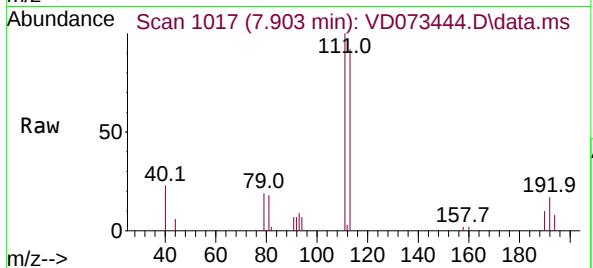
Tgt Ion:113 Resp: 29449

Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 17.5 14.6 21.8



#38

Carbon Tetrachloride

Concen: 5.871 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

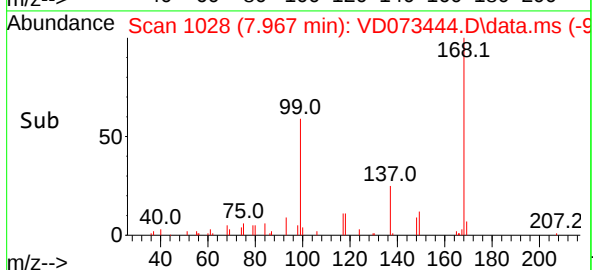
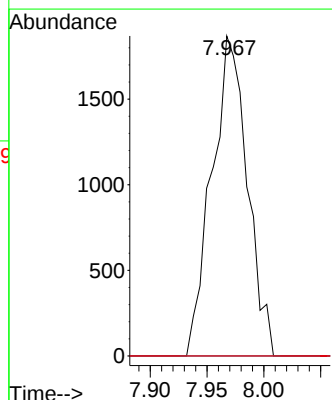
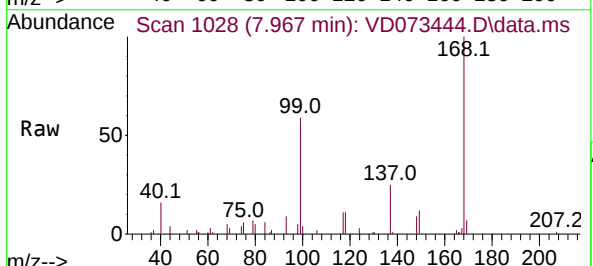
Tgt Ion:117 Resp: 4072

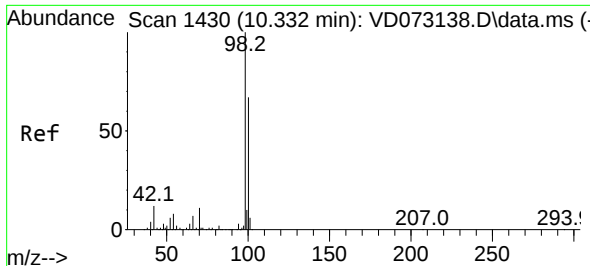
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

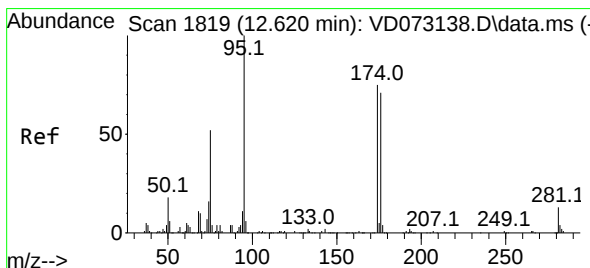
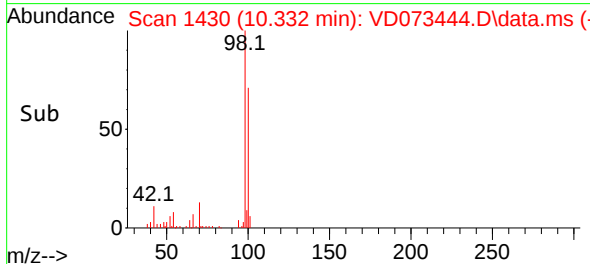
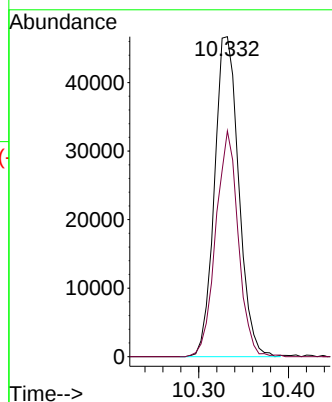
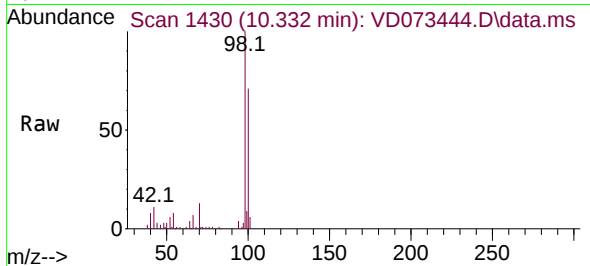




#50
Toluene-d8
Concen: 52.250 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

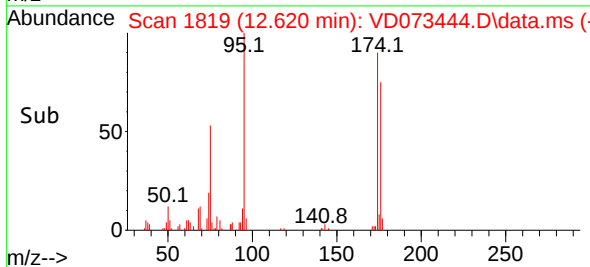
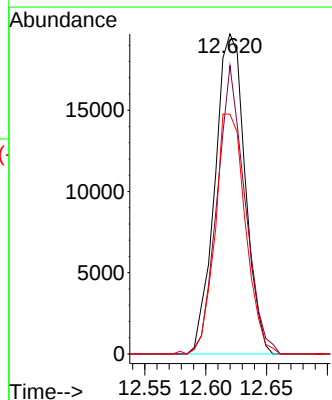
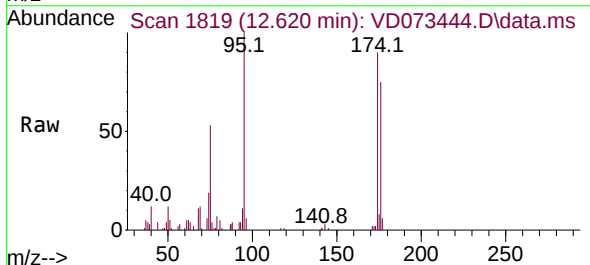
Instrument :
MSVOA_D
ClientSampleId :
MS-5

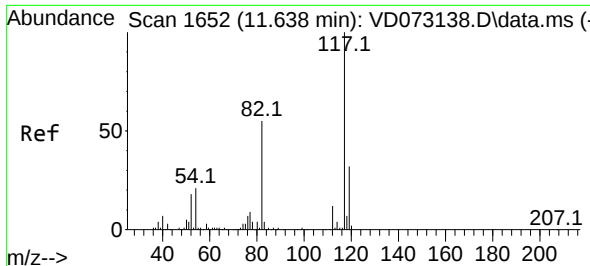
Tgt Ion: 98 Resp: 87623
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 57.867 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion: 95 Resp: 34056
Ion Ratio Lower Upper
95 100
174 82.7 0.0 152.8
176 75.3 0.0 145.4

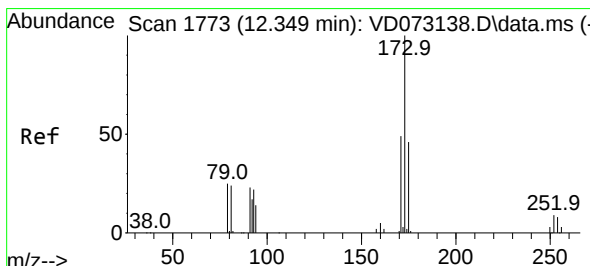
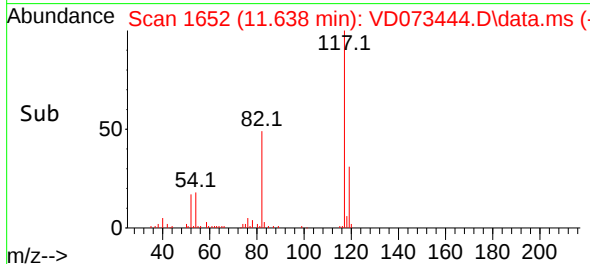
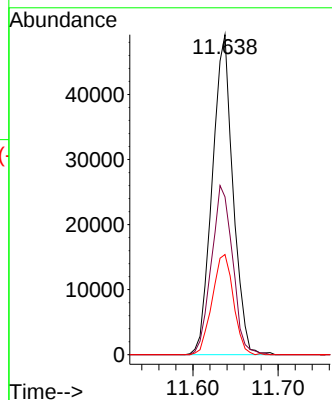
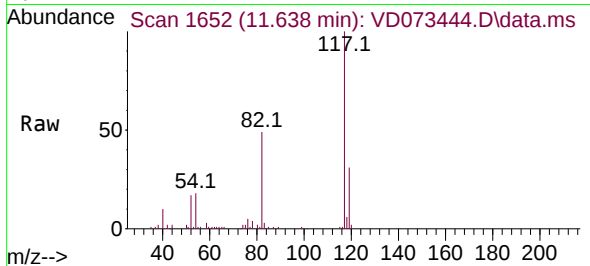




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

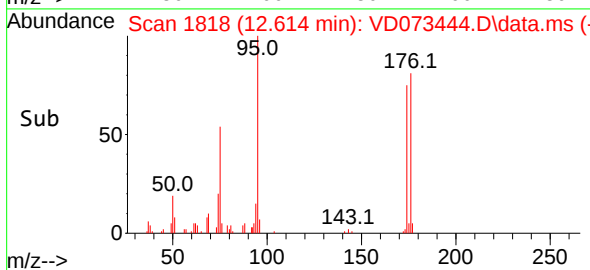
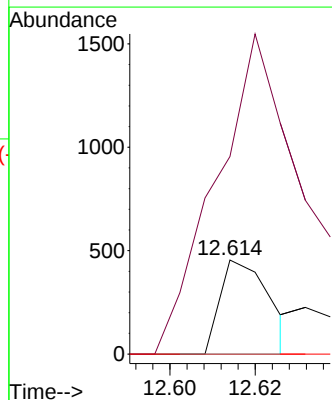
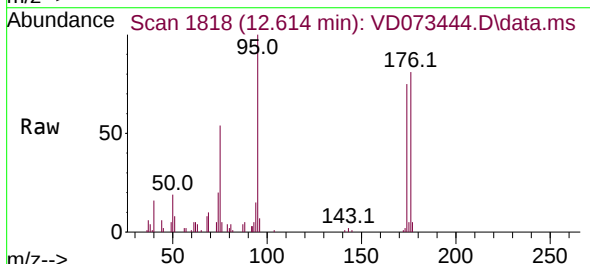
Instrument :
MSVOA_D
ClientSampleId :
MS-5

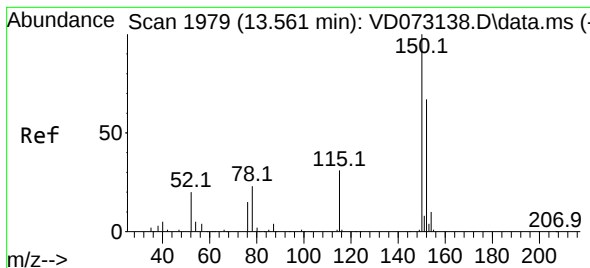
Tgt Ion:	117	Resp:	82967
Ion Ratio	Lower	Upper	
117	100		
82	49.3	45.3	67.9
119	31.3	26.6	40.0



#71
Bromoform
Concen: 1.130 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion:	173	Resp:	367
Ion Ratio	Lower	Upper	
173	100		
175	449.3	23.9	71.8#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073444.D

Acq: 01 Jun 2022 13:23

Instrument :

MSVOA_D

ClientSampleId :

MS-5

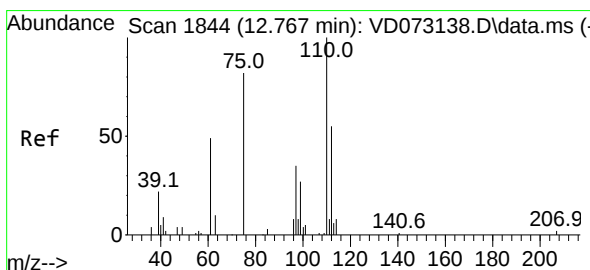
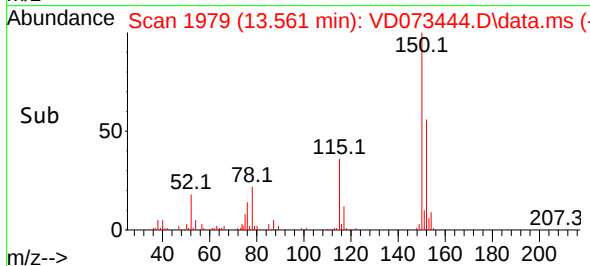
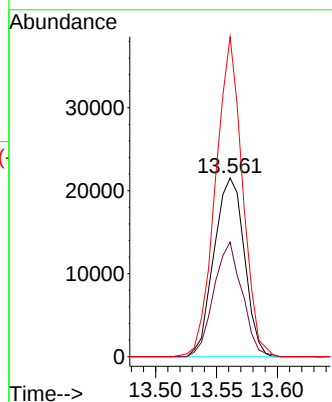
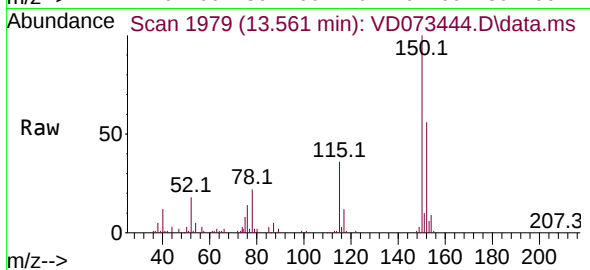
Tgt Ion:152 Resp: 37360

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 158.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 47.244 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073444.D

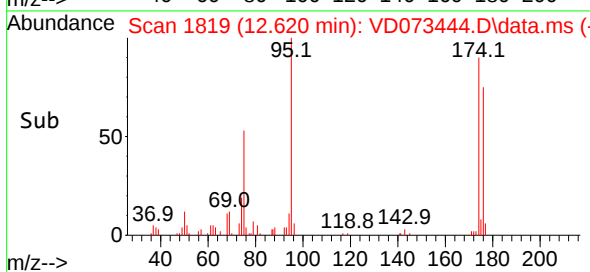
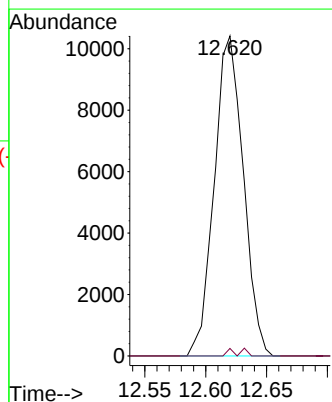
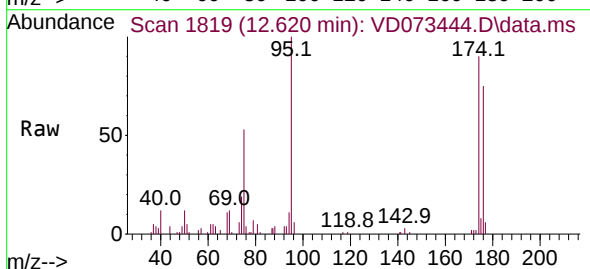
Acq: 01 Jun 2022 13:23

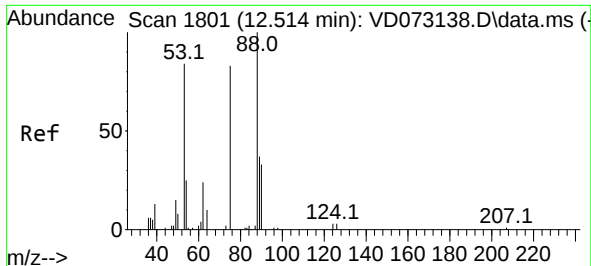
Tgt Ion: 75 Resp: 17318

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

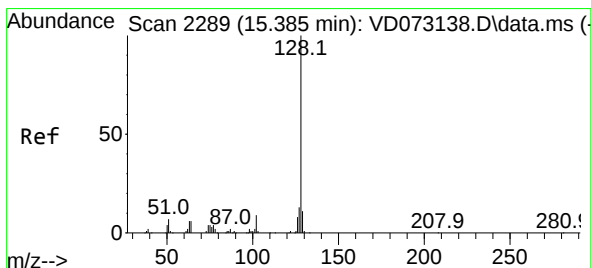
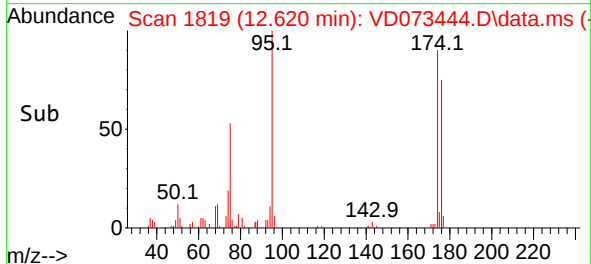
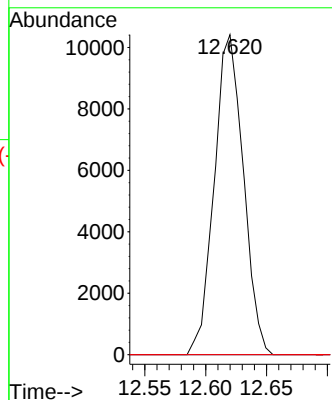
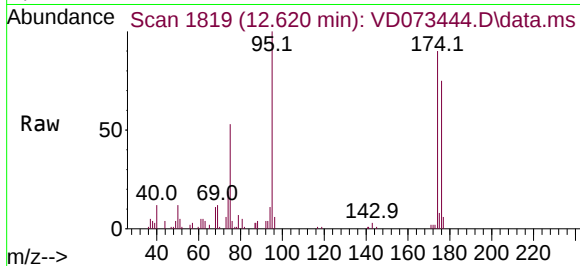




#81
trans-1,4-Dichloro-2-butene
Concen: 113.418 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Instrument :
MSVOA_D
ClientSampleId :
MS-5

Tgt Ion: 75 Resp: 17318
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.266 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073444.D
Acq: 01 Jun 2022 13:23

Tgt Ion: 128 Resp: 954
Ion Ratio Lower Upper
128 100
127 5.7 10.3 15.5#
129 7.5 8.4 12.6#

