

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073433.D
 Acq On : 31 May 2022 19:11
 Operator : VA/SY
 Sample : N3109-01
 Misc : 5.39G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 01 01:39:15 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)

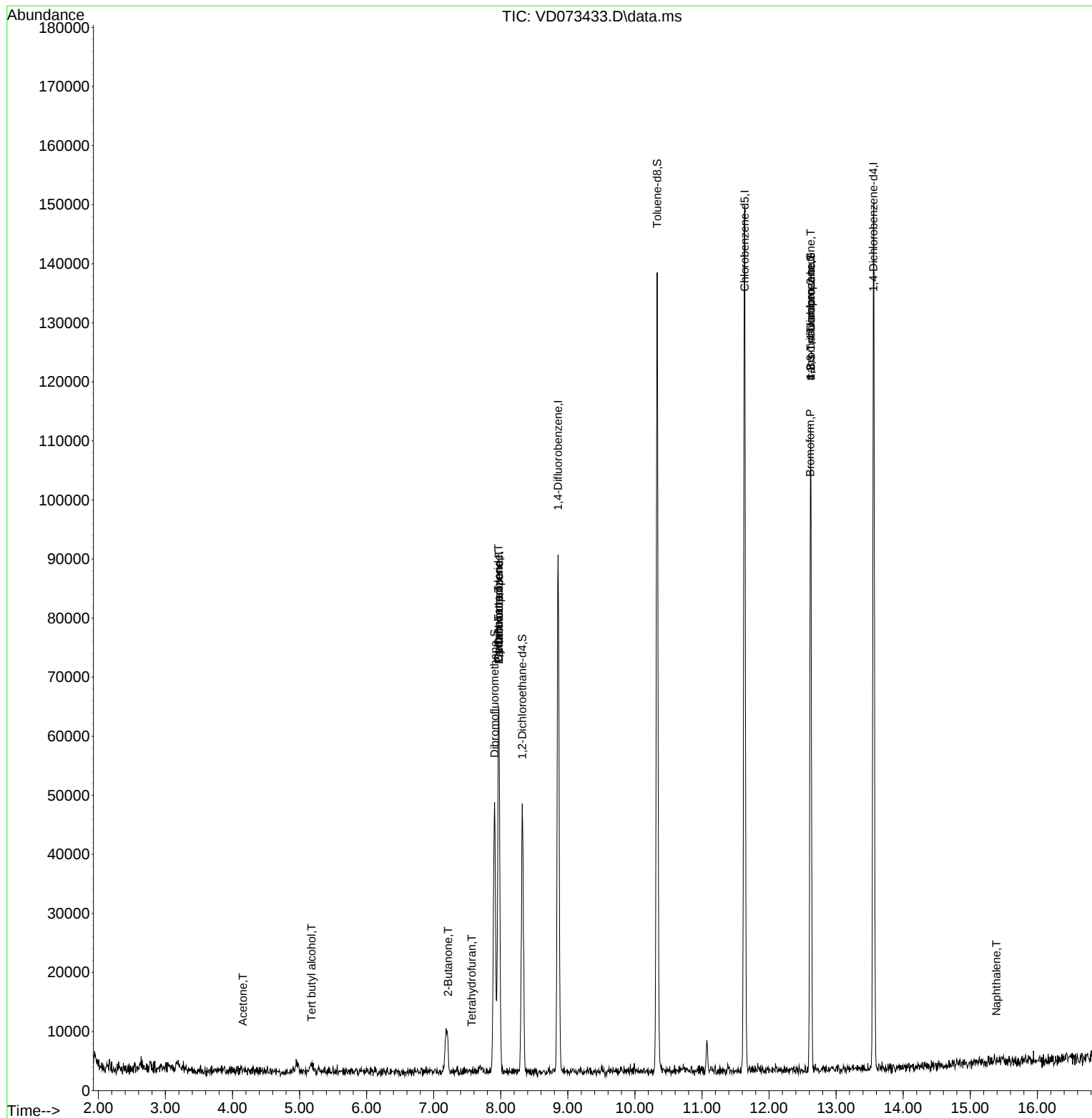
Internal Standards						
1) Pentafluorobenzene	7.973	168	46060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	75156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	88988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	39919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	35748	70.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.460%	
35) Dibromofluoromethane	7.908	113	32461	65.455	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.900%	
50) Toluene-d8	10.332	98	92032	50.342	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.620	95	36572	57.005	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	426	Below Cal	#	63
11) Tert butyl alcohol	5.179	59	566	7.167	ug/l #	74
16) Acetone	4.156	43	632	7.168	ug/l #	47
20) Methylene Chloride	4.956	84	1220	Below Cal	#	59
25) 2-Butanone	7.214	43	217	1.682	ug/l #	52
29) Tetrahydrofuran	7.567	42	138	1.654	ug/l #	38
31) Cyclohexane	7.967	56	1083	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	3415	4.579	ug/l #	46
38) Carbon Tetrachloride	7.967	117	5275	6.977	ug/l #	13
71) Bromoform	12.614	173	379	1.088	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	17521	44.734	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	17521	107.392	ug/l #	7
95) Naphthalene	15.390	128	268	3.732	ug/l #	70

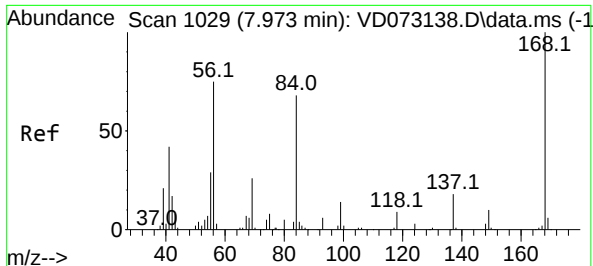
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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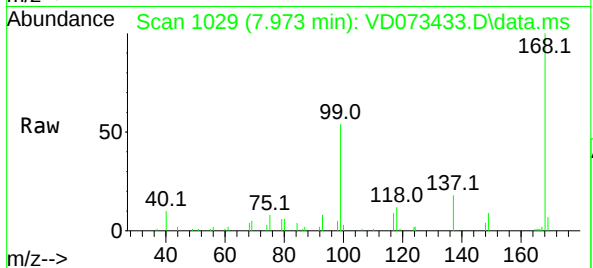
Quant Time: Jun 01 01:39:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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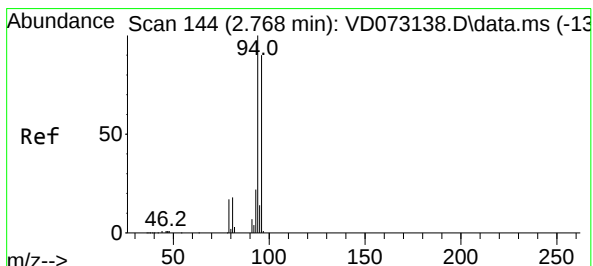
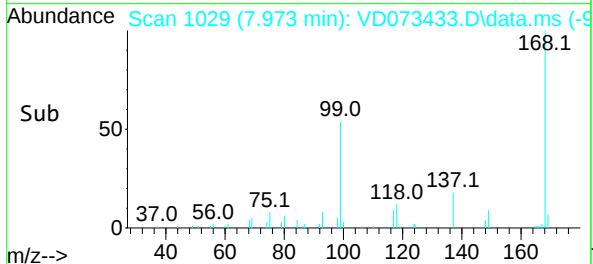
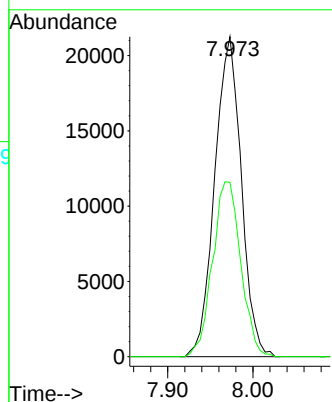


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :

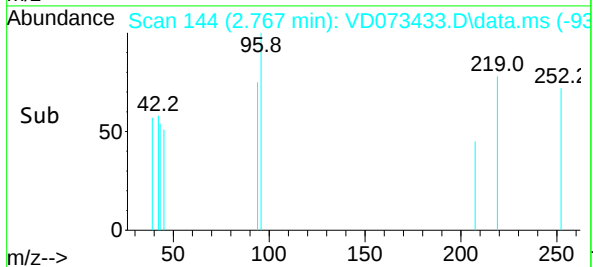
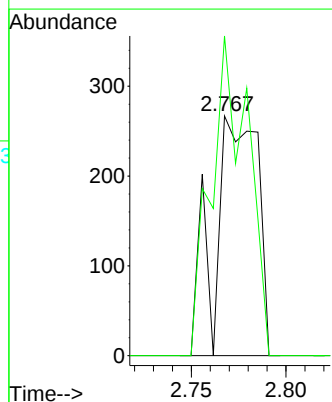
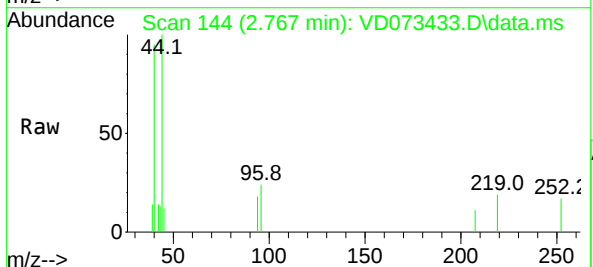


Tgt Ion:168 Resp: 46060
Ion Ratio Lower Upper
168 100
99 54.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

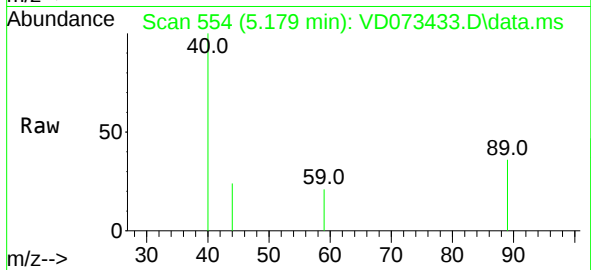
Tgt Ion: 94 Resp: 426
Ion Ratio Lower Upper
94 100
96 133.3 77.6 116.4#



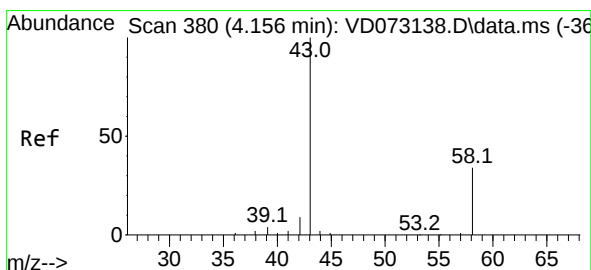
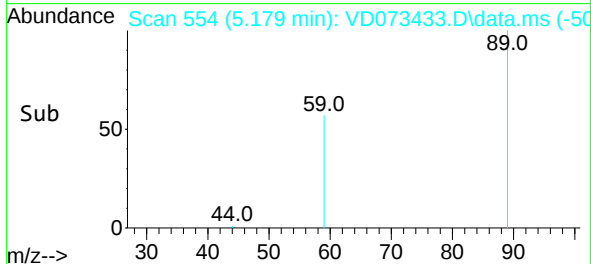
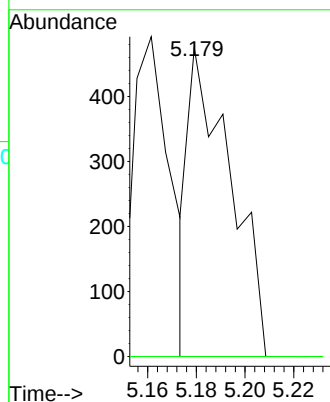


#11
Tert butyl alcohol
Concen: 7.167 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :

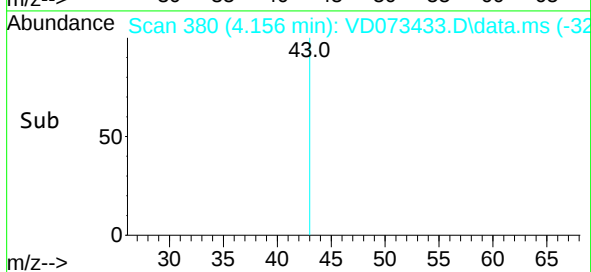
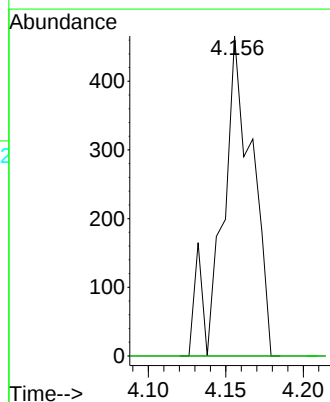
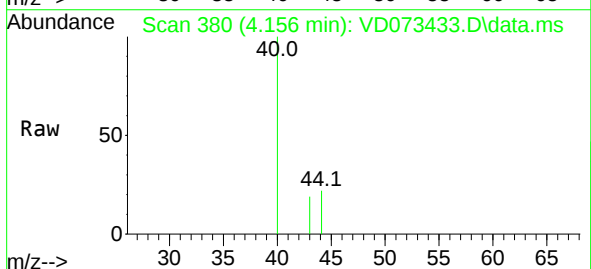


Tgt Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 7.168 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 51

Delta R.T. -0.006 min

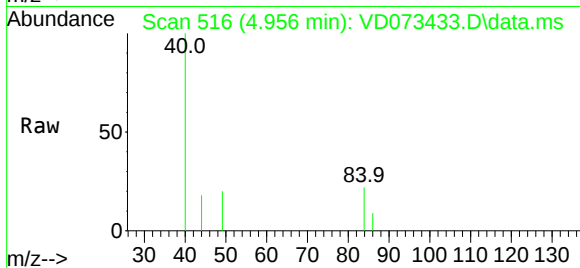
Lab File: VD073433.D

Acq: 31 May 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 1220

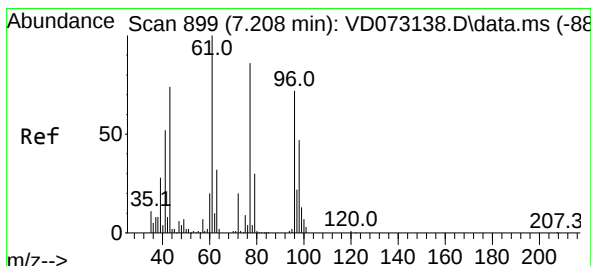
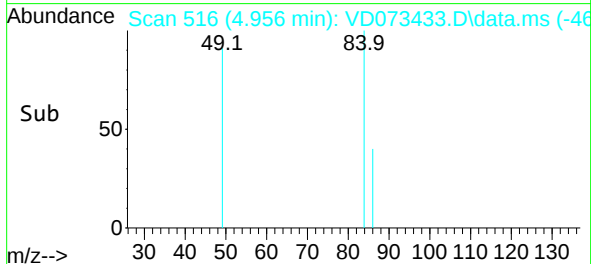
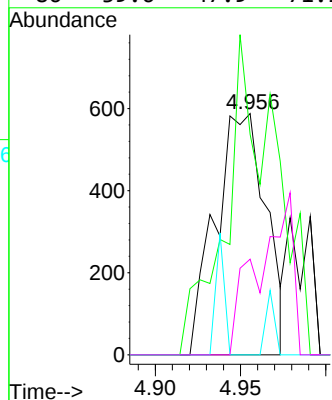
Ion Ratio Lower Upper

84 100

49 91.3 112.8 169.2#

51 0.0 32.6 48.8#

86 39.6 47.9 71.9#



#25

2-Butanone

Concen: 1.682 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.006 min

Lab File: VD073433.D

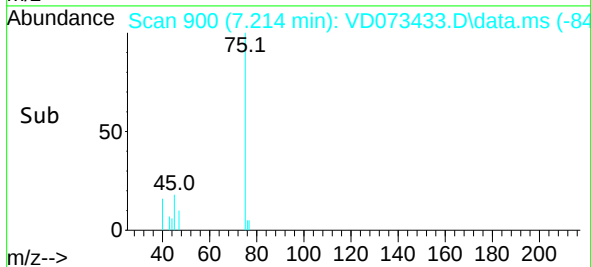
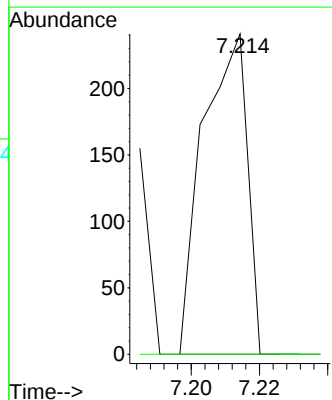
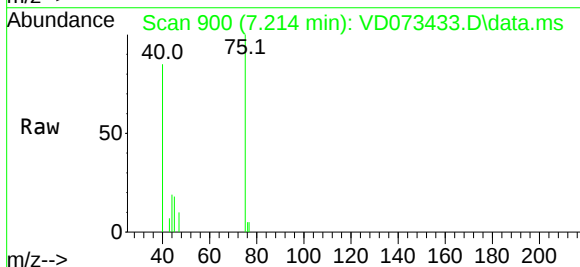
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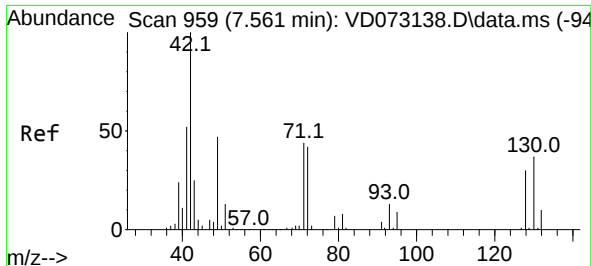
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#29

Tetrahydrofuran

Concen: 1.654 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

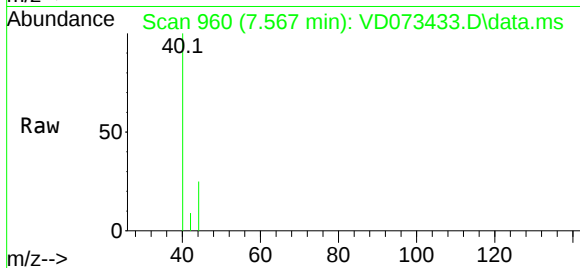
Lab File: VD073433.D

Acq: 31 May 2022 19:11

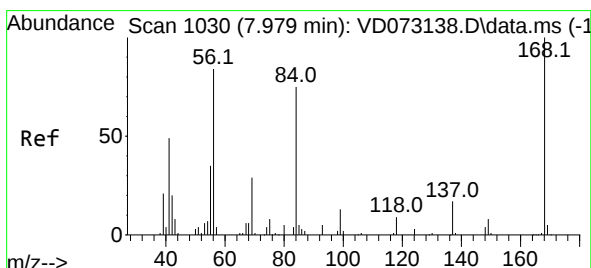
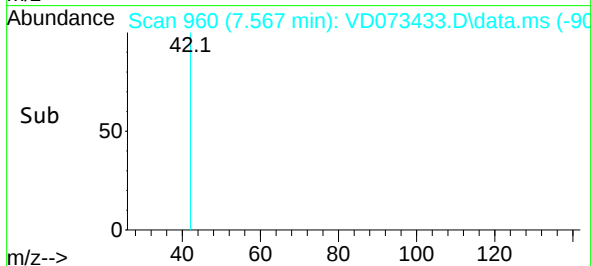
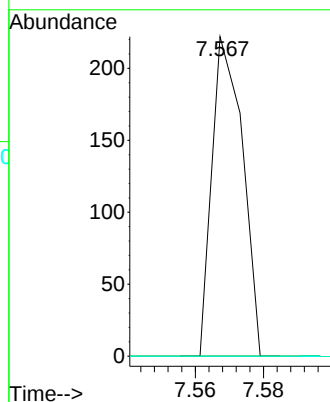
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	138
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.217 ug/l

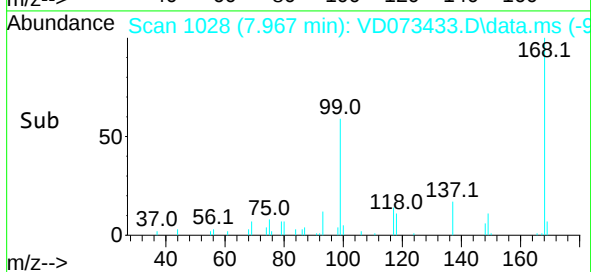
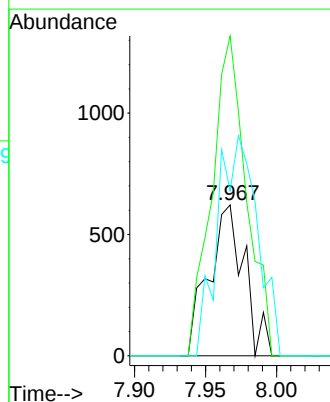
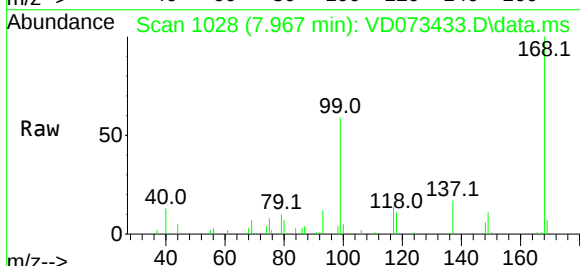
RT: 7.967 min Scan# 1028

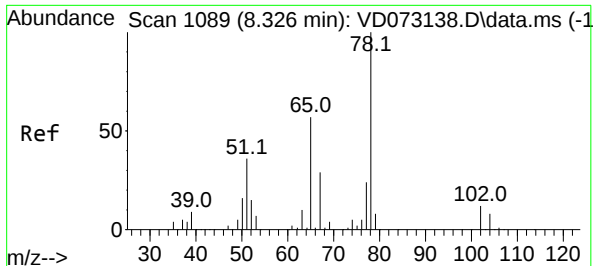
Delta R.T. -0.012 min

Lab File: VD073433.D

Acq: 31 May 2022 19:11

Tgt Ion:	56	Resp:	1083
Ion	Ratio	Lower	Upper
56	100		
69	211.9	25.4	38.2#
84	109.3	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 70.228 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073433.D

Acq: 31 May 2022 19:11

Instrument :

MSVOA_D

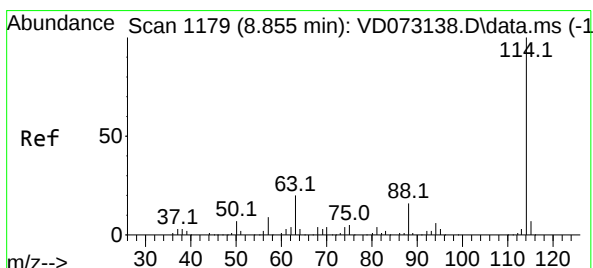
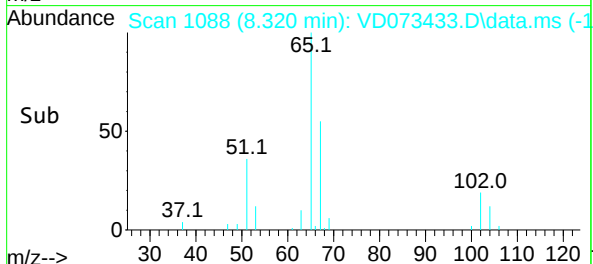
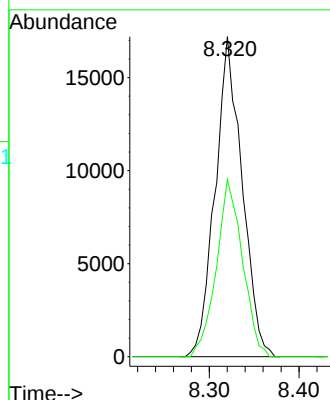
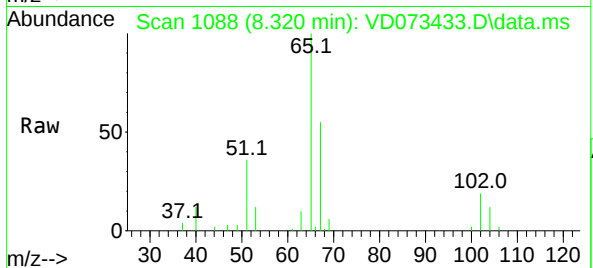
ClientSampleId :

Tgt Ion: 65 Resp: 35748

Ion Ratio Lower Upper

65 100

67 53.8 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: VD073433.D

Acq: 31 May 2022 19:11

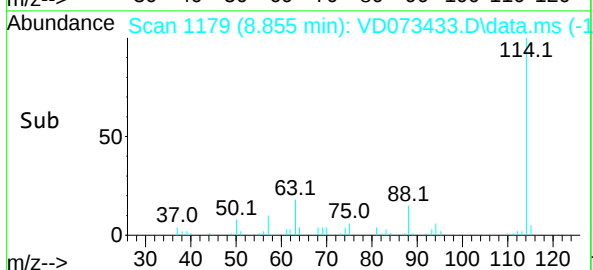
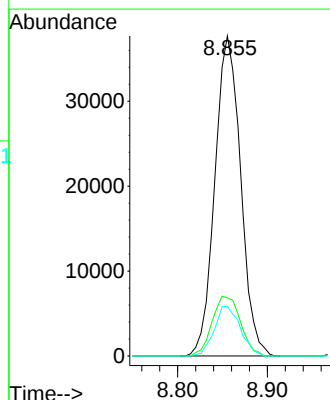
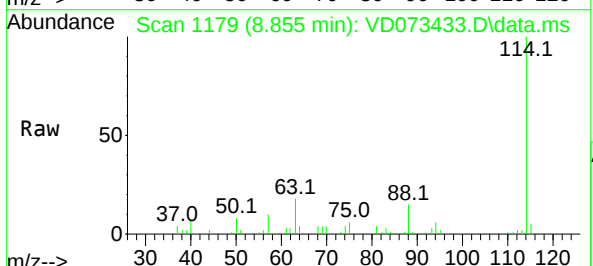
Tgt Ion: 114 Resp: 75156

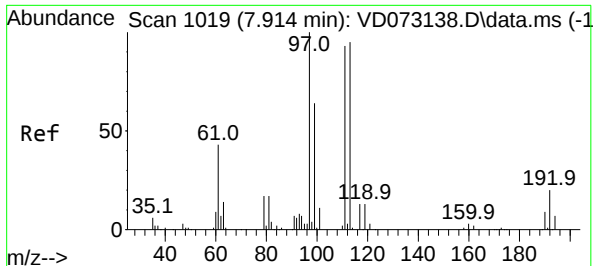
Ion Ratio Lower Upper

114 100

63 18.2 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 65.455 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

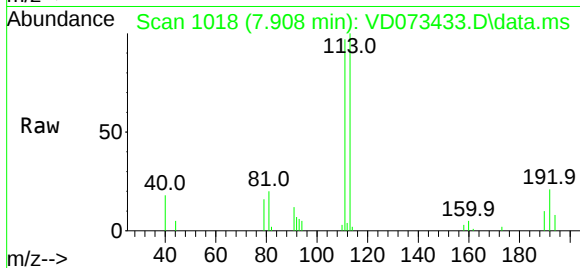
Lab File: VD073433.D

Acq: 31 May 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :



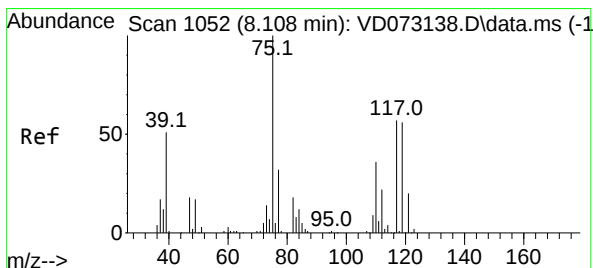
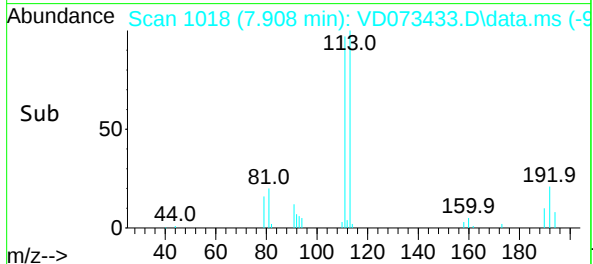
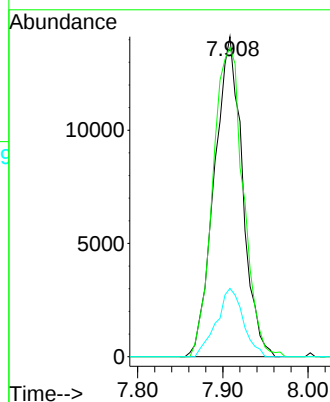
Tgt Ion:113 Resp: 32461

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 20.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073433.D

Acq: 31 May 2022 19:11

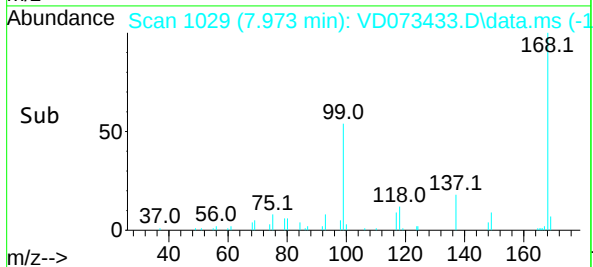
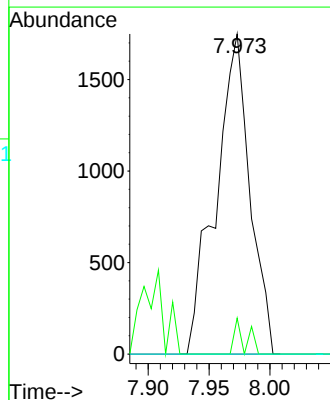
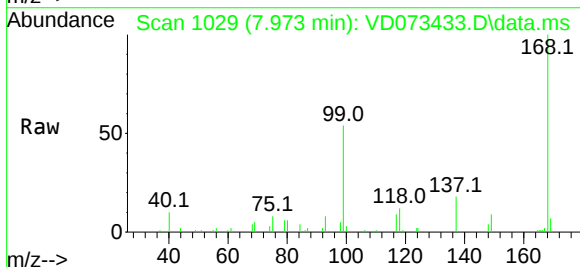
Tgt Ion: 75 Resp: 3415

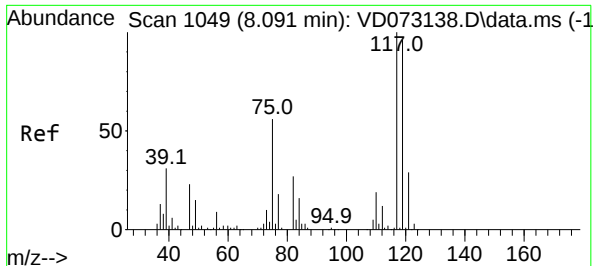
Ion Ratio Lower Upper

75 100

110 3.6 16.4 49.1#

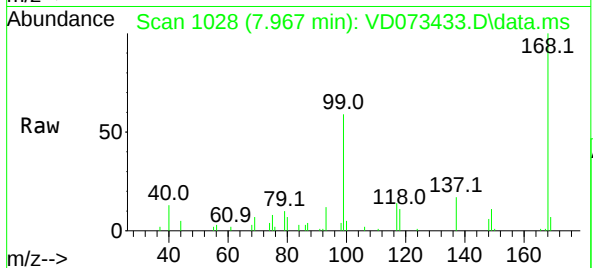
77 0.0 24.2 36.2#



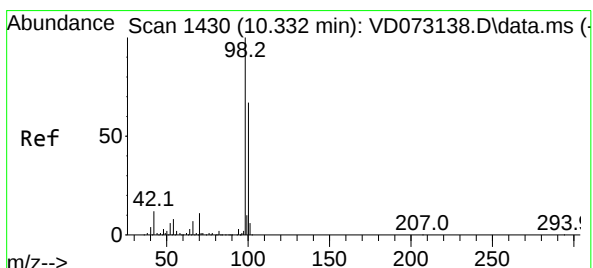
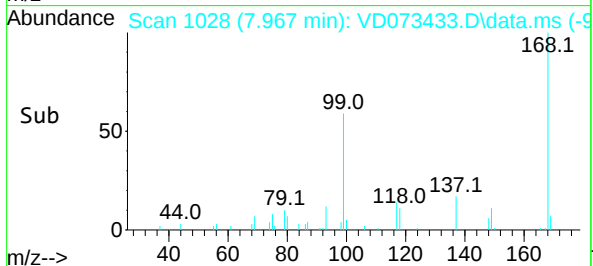
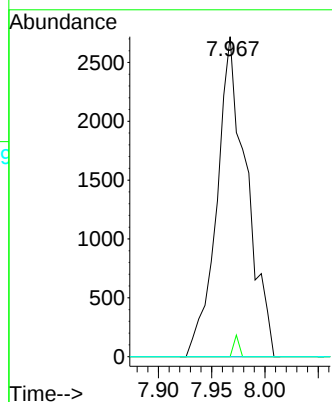


#38
Carbon Tetrachloride
Concen: 6.977 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :

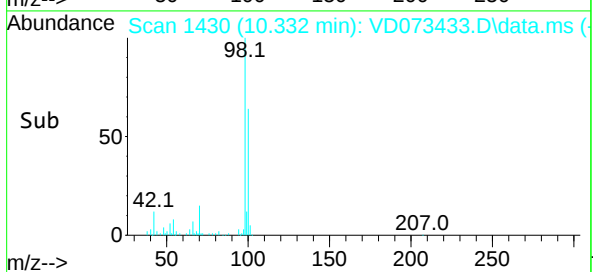
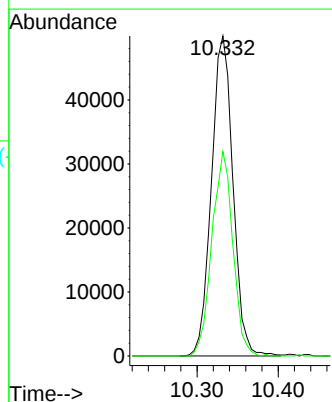
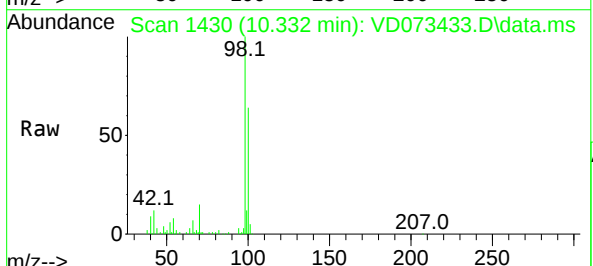


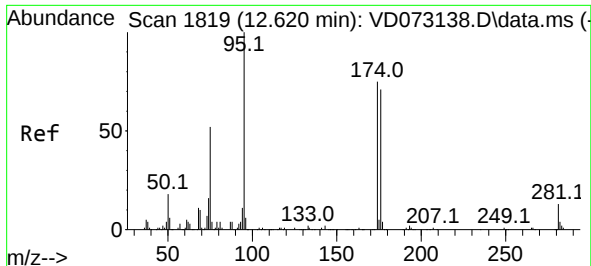
Tgt Ion:117 Resp: 5275
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.342 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Tgt Ion: 98 Resp: 92032
Ion Ratio Lower Upper
98 100
100 62.3 52.4 78.6

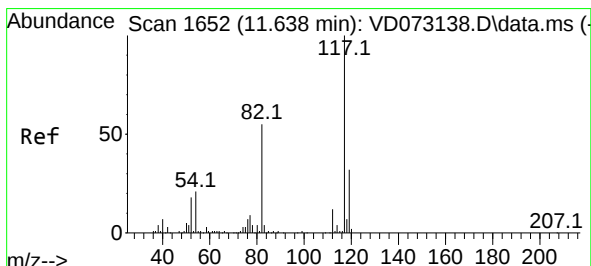
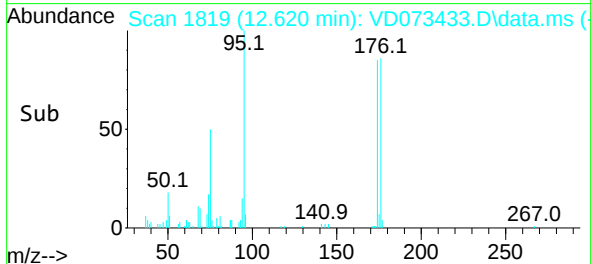
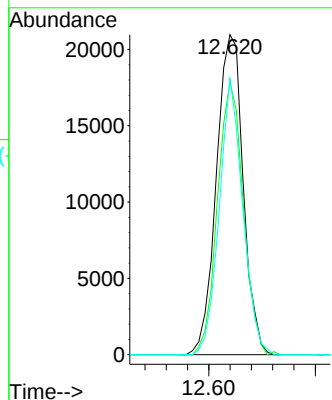
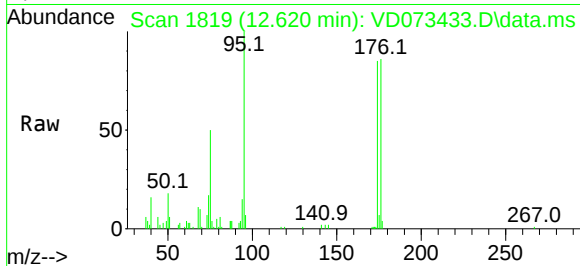




#62
4-Bromofluorobenzene
Concen: 57.005 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

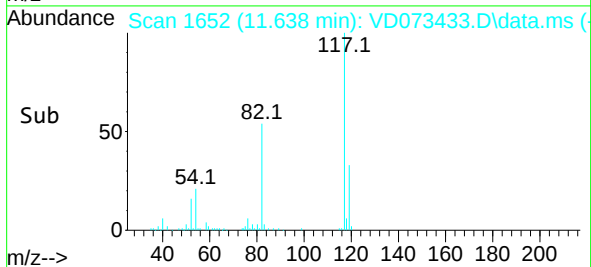
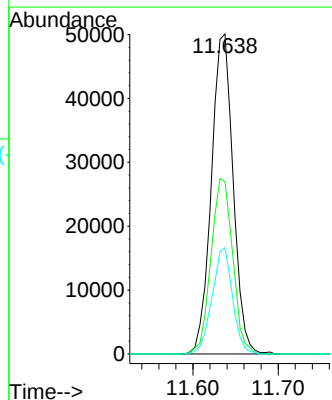
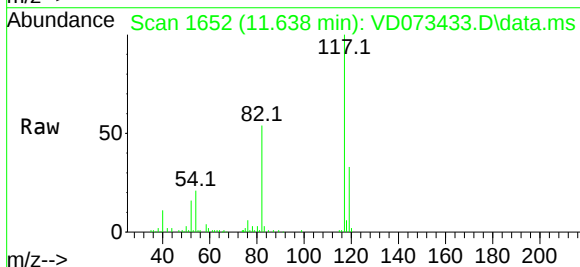
Instrument :
MSVOA_D
ClientSampleId :

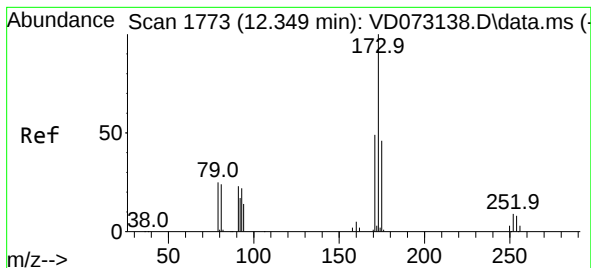
Tgt Ion:	95	Resp:	36572
Ion Ratio	Lower	Upper	
95	100		
174	81.6	0.0	152.8
176	75.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Tgt Ion:	117	Resp:	88988
Ion Ratio	Lower	Upper	
117	100		
82	53.9	45.3	67.9
119	33.2	26.6	40.0





#71

Bromoform

Concen: 1.088 ug/l

RT: 12.614 min Scan# 11

Delta R.T. 0.265 min

Lab File: VD073433.D

Acq: 31 May 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :

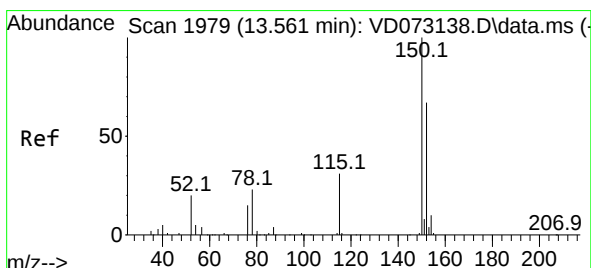
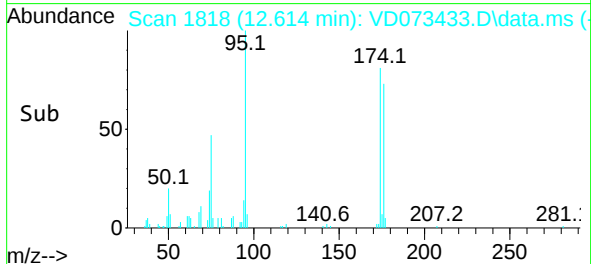
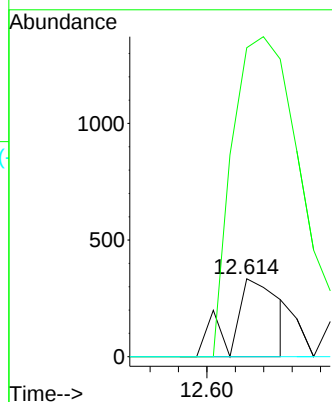
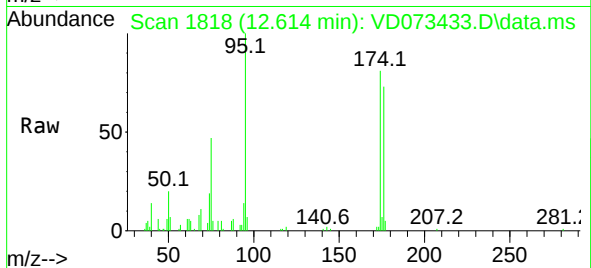
Tgt Ion:173 Resp: 379

Ion Ratio Lower Upper

173 100

175 450.4 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VD073433.D

Acq: 31 May 2022 19:11

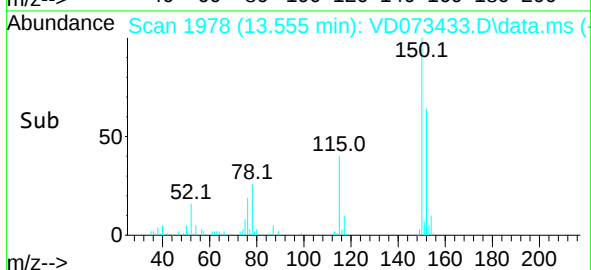
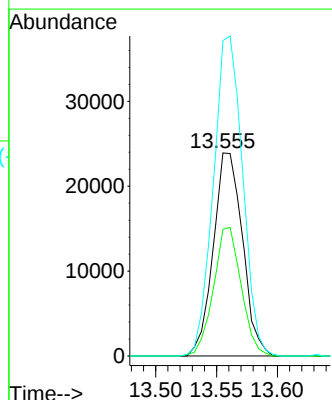
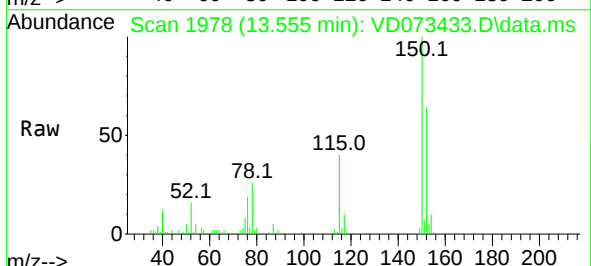
Tgt Ion:152 Resp: 39919

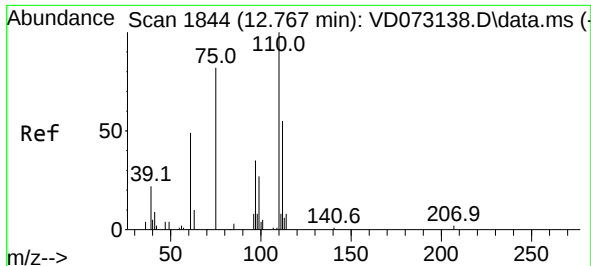
Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 157.8 0.0 348.6

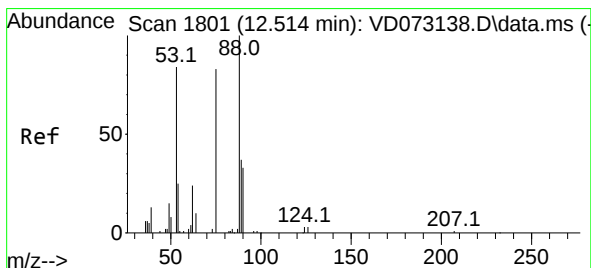
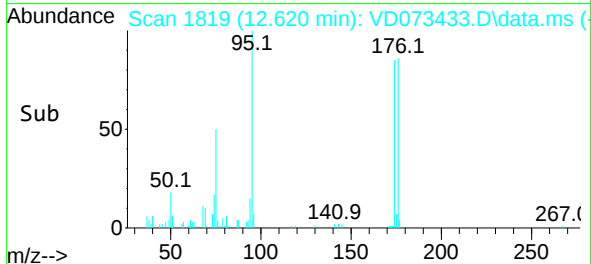
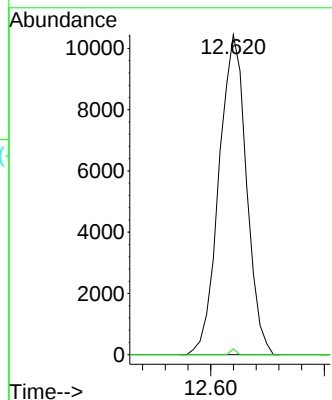
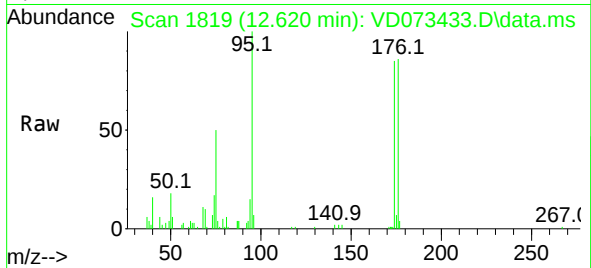




#76
1,2,3-Trichloropropane
Concen: 44.734 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

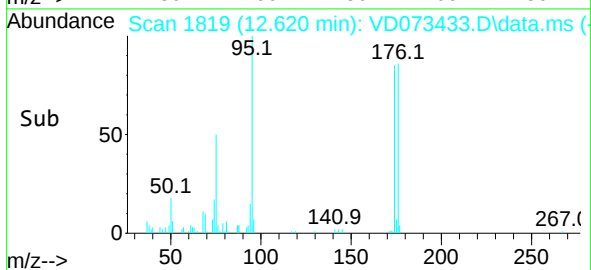
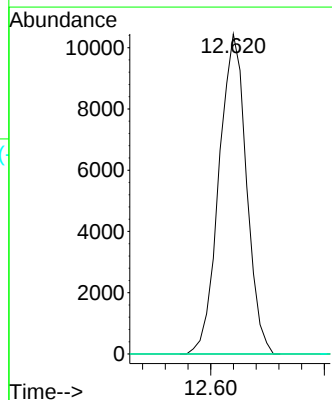
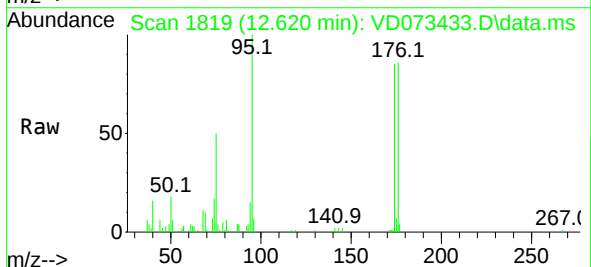
Instrument :
MSVOA_D
ClientSampleId :

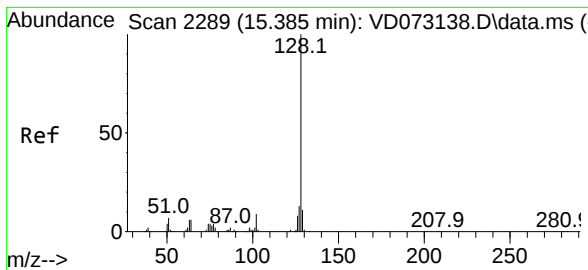
Tgt Ion: 75 Resp: 17521
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.392 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

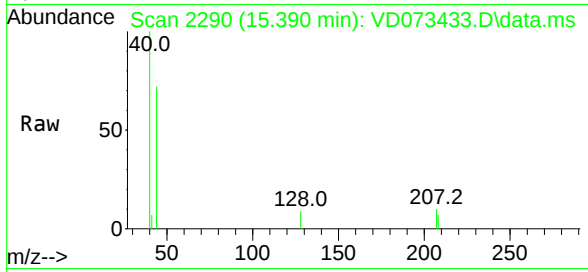
Tgt Ion: 75 Resp: 17521
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.732 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD073433.D
Acq: 31 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	268
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

