

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071682.D
 Acq On : 12 Jan 2022 13:17
 Operator : VA/SY
 Sample : N1107-01RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-03-011122RE

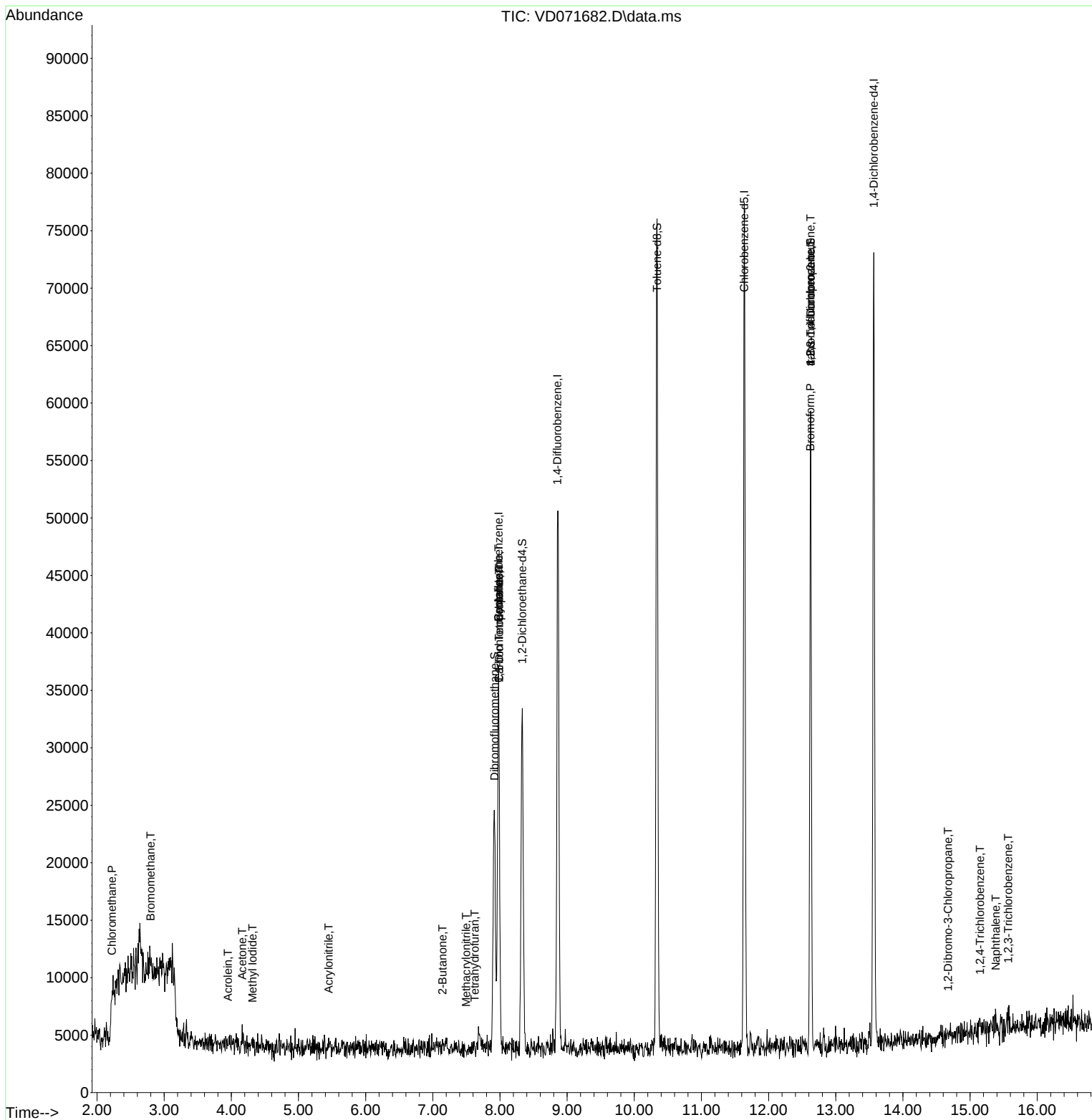
Quant Time: Jan 13 05:28:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

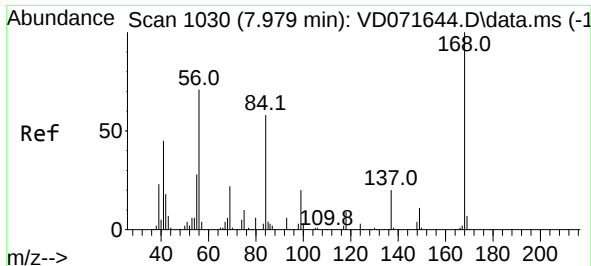
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	20898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	37427	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.638	117	38353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	16369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	24626	91.581	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.160%#			
35) Dibromofluoromethane	7.920	113	14856	60.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.120%			
50) Toluene-d8	10.338	98	46180	49.876	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.626	95	15376	47.128	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	64	Below Cal	#	43
3) Chloromethane	2.221	50	590	1.839	ug/l #	34
5) Bromomethane	2.797	94	730	3.560	ug/l #	31
10) Methyl Iodide	4.315	142	371	1.802	ug/l #	36
13) Acrolein	3.950	56	139	5.296	ug/l #	67
15) Acrylonitrile	5.450	53	59	1.152	ug/l #	17
16) Acetone	4.162	43	1061	17.090	ug/l	99
20) Methylene Chloride	4.973	84	66	Below Cal	#	1
25) 2-Butanone	7.144	43	142	1.936	ug/l #	56
29) Tetrahydrofuran	7.626	42	62	1.469	ug/l #	39
31) Cyclohexane	7.979	56	966	2.899	ug/l #	59
36) 1,1-Dichloropropene	7.985	75	2031	5.756	ug/l #	51
38) Carbon Tetrachloride	7.985	117	2434	6.812	ug/l #	27
41) Methacrylonitrile	7.497	41	86	1.963	ug/l #	25
71) Bromoform	12.620	173	189	1.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	9265	58.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	9265	163.304	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.673	75	82	2.448	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.149	180	387	1.494	ug/l #	82
95) Naphthalene	15.385	128	1400	3.053	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.567	180	342	1.550	ug/l #	30

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

Quant Time: Jan 13 05:28:23 2022
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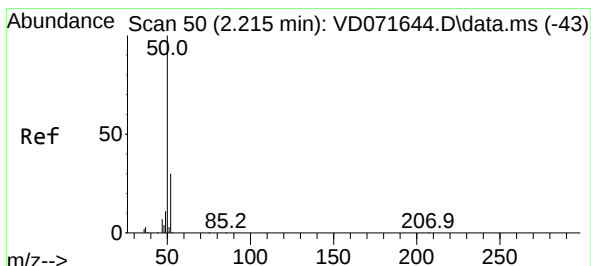
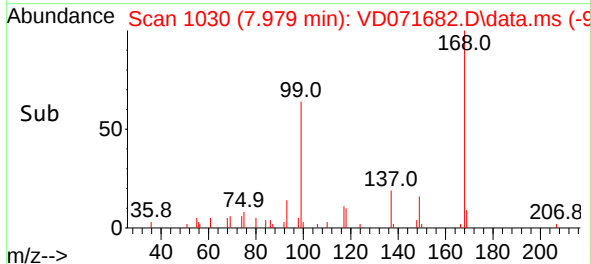
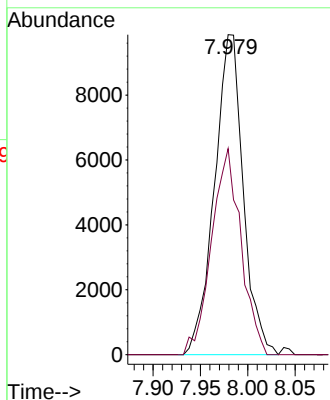
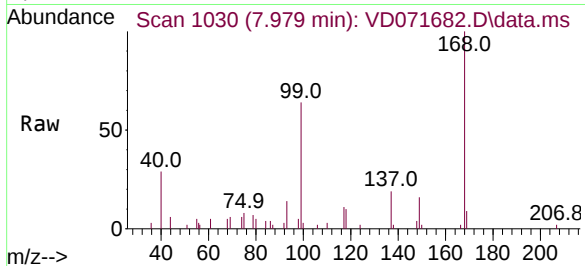




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

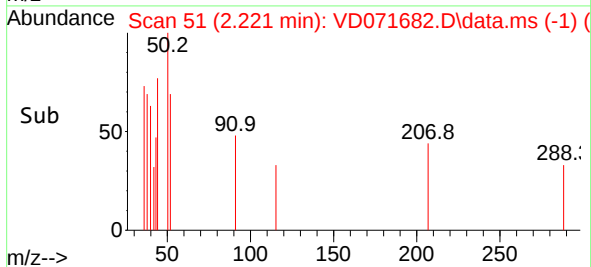
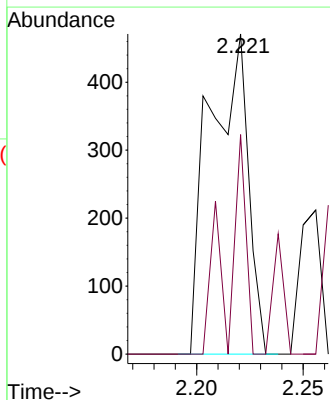
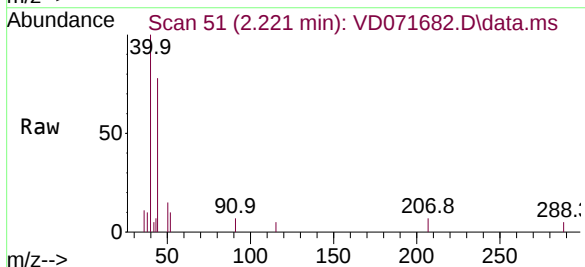
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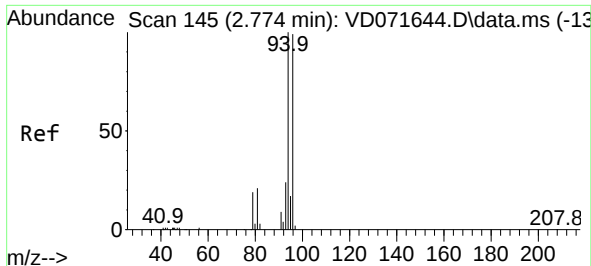
Tgt Ion:168 Resp: 20898
Ion Ratio Lower Upper
168 100
99 64.4 51.8 77.6



#3
Chloromethane
Concen: 1.839 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.007 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 68.6 25.4 38.0#

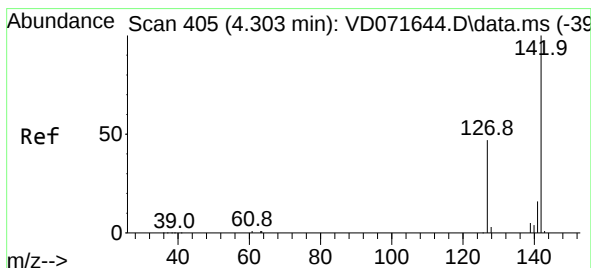
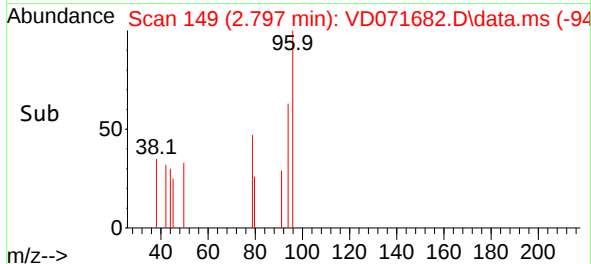
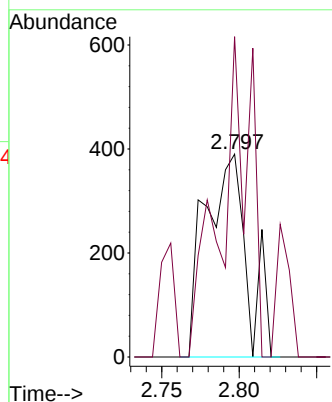
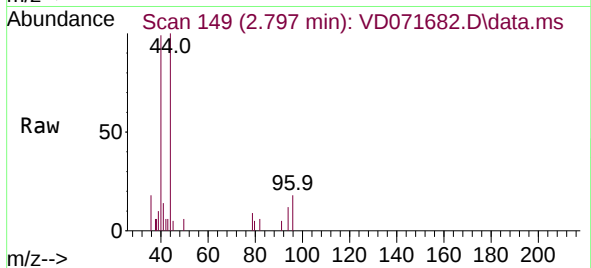




#5
Bromomethane
Concen: 3.560 ug/l
RT: 2.797 min Scan# 145
Delta R.T. 0.024 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

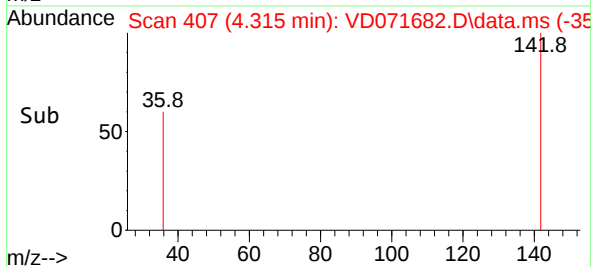
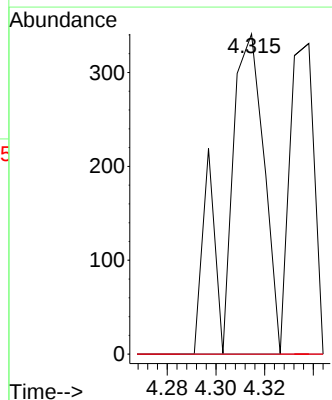
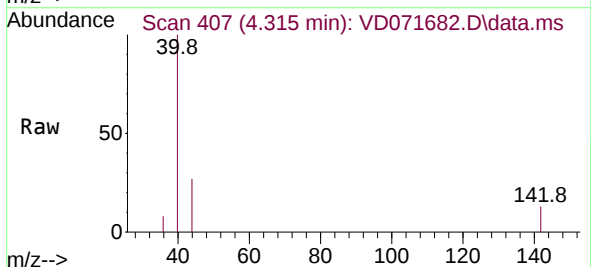
Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

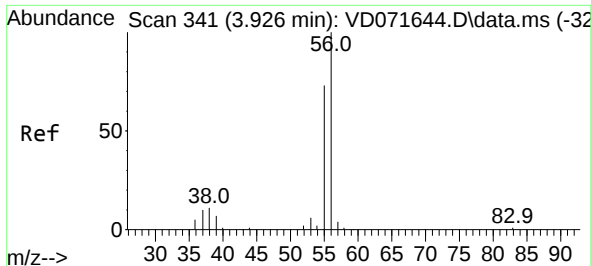
Tgt Ion: 94 Resp: 730
Ion Ratio Lower Upper
94 100
96 157.9 73.7 110.5#



#10
Methyl Iodide
Concen: 1.802 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.013 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion: 142 Resp: 371
Ion Ratio Lower Upper
142 100
127 0.0 39.4 59.2#
141 0.0 11.9 17.9#





#13

Acrolein

Concen: 5.296 ug/l

RT: 3.950 min Scan# 341

Delta R.T. 0.024 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

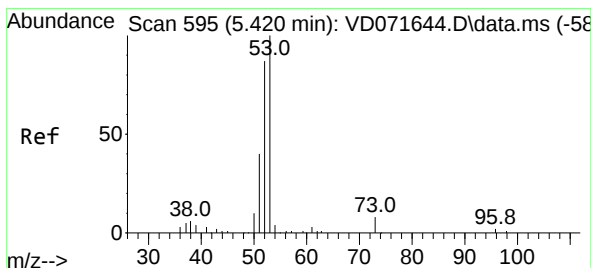
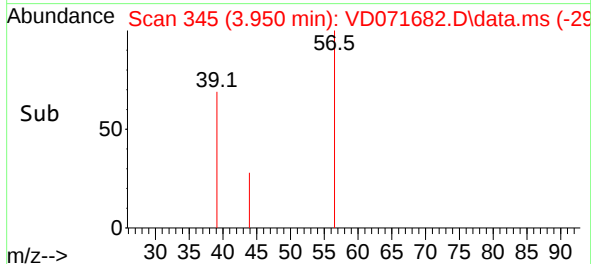
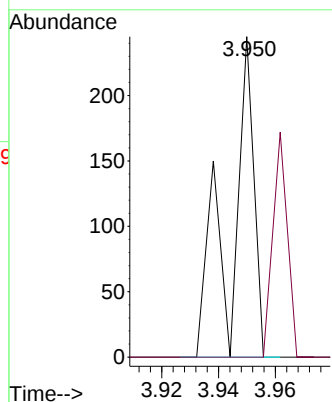
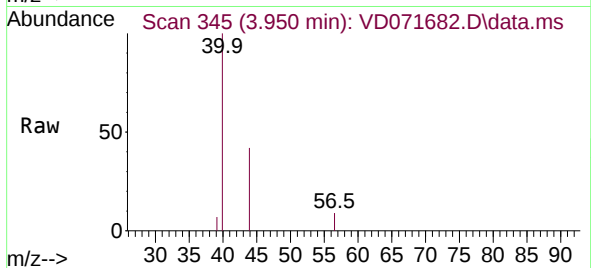
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Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 43.9 56.9 85.3#



#15

Acrylonitrile

Concen: 1.152 ug/l

RT: 5.450 min Scan# 600

Delta R.T. 0.030 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

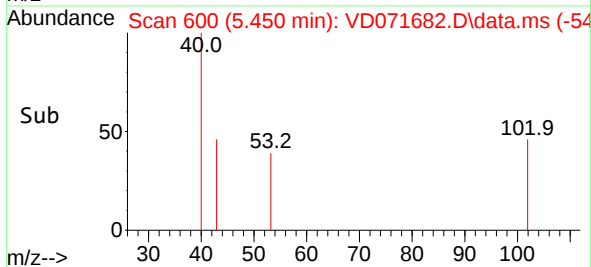
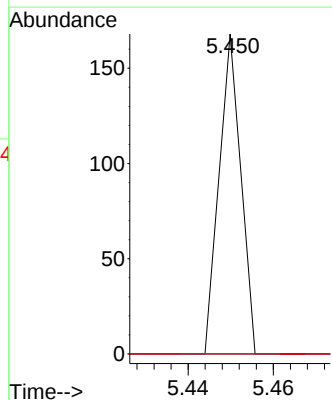
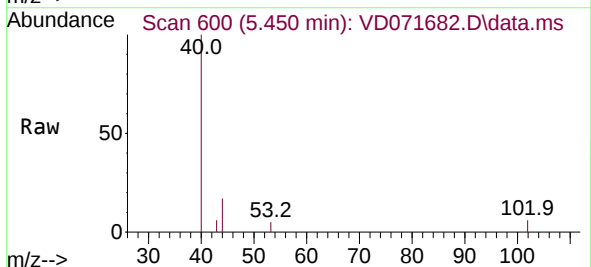
Tgt Ion: 53 Resp: 59

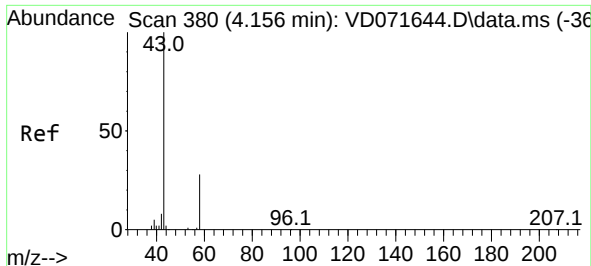
Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

51 0.0 31.2 46.8#

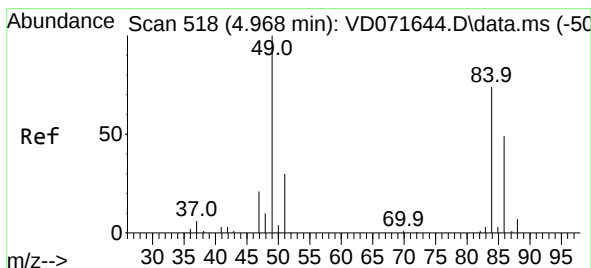
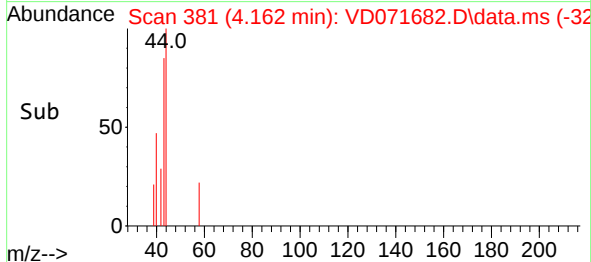
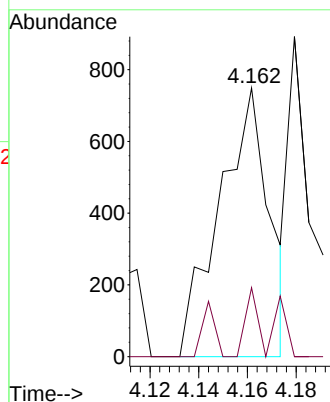
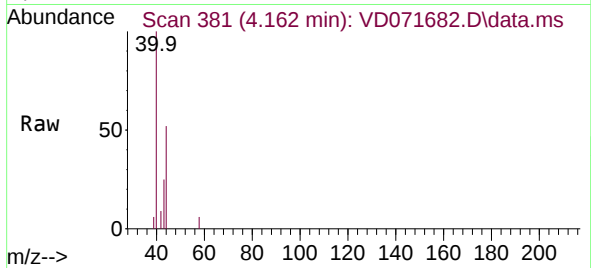




#16
Acetone
Concen: 17.090 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

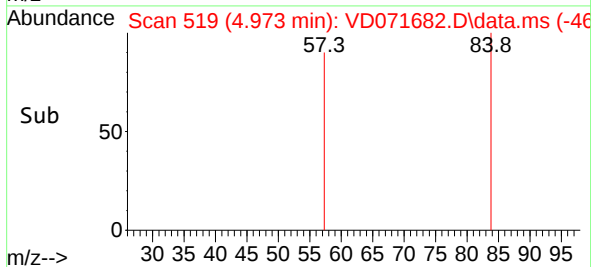
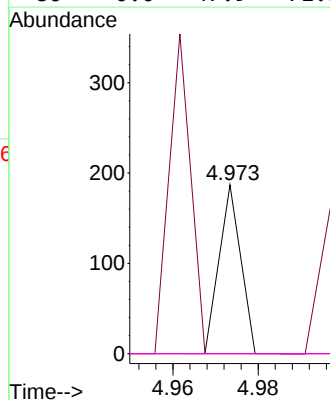
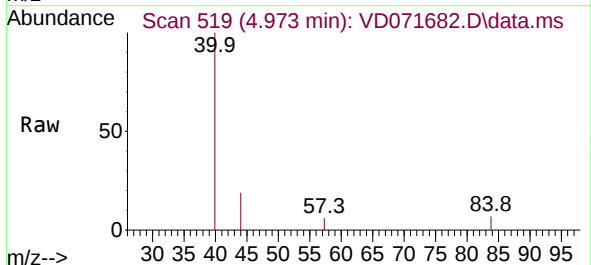
Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

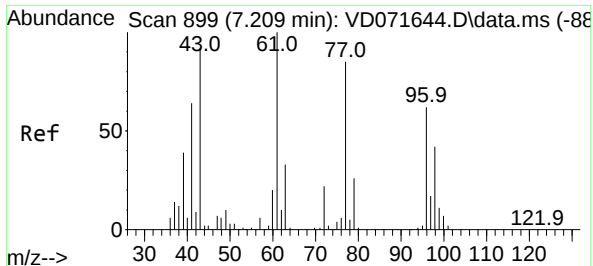
Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion: 84 Resp: 66
Ion Ratio Lower Upper
84 100
49 0.0 118.6 178.0#
51 0.0 37.8 56.6#
86 0.0 47.9 71.9#





#25

2-Butanone

Concen: 1.936 ug/l

RT: 7.144 min Scan# 899

Delta R.T. -0.064 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

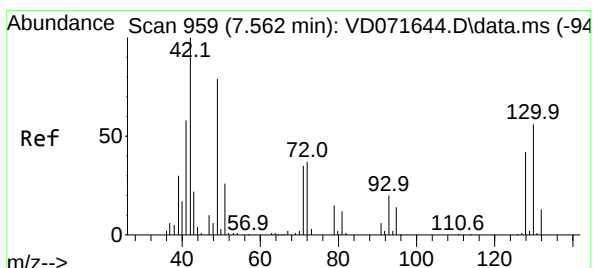
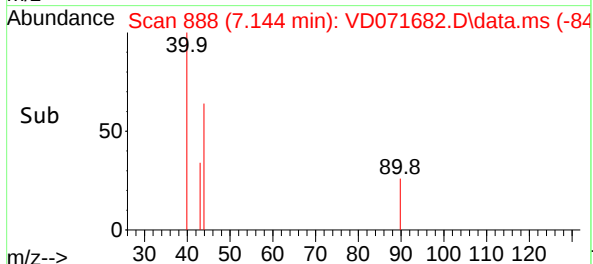
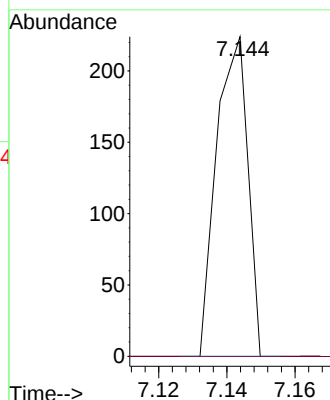
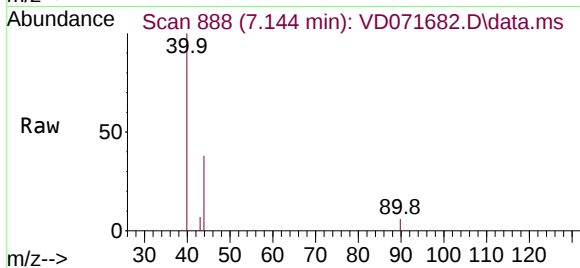
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Tgt Ion: 43 Resp: 142

Ion Ratio Lower Upper

43 100

72 0.0 16.4 24.6#



#29

Tetrahydrofuran

Concen: 1.469 ug/l

RT: 7.626 min Scan# 970

Delta R.T. 0.065 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

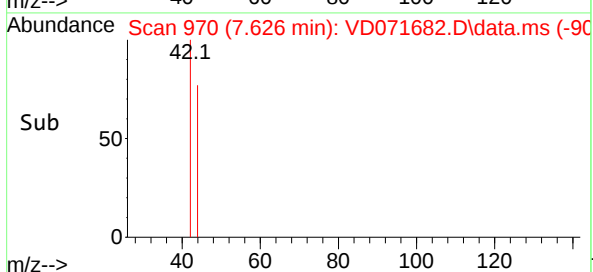
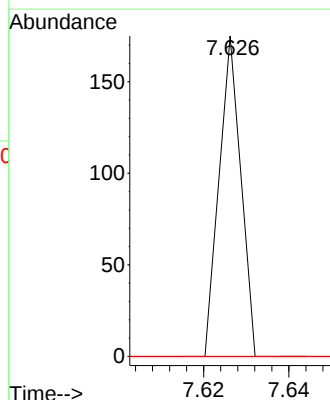
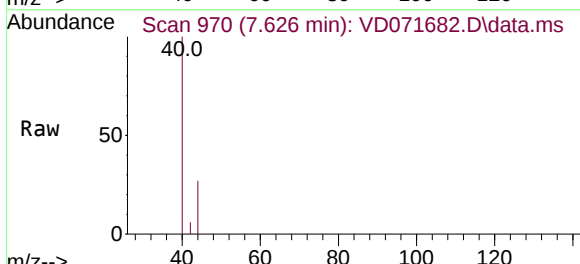
Tgt Ion: 42 Resp: 62

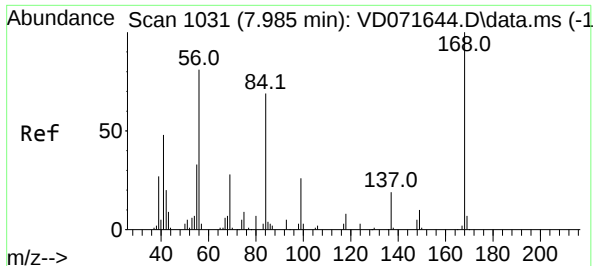
Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 0.0 27.3 40.9#





#31

Cyclohexane

Concen: 2.899 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VD071682.D

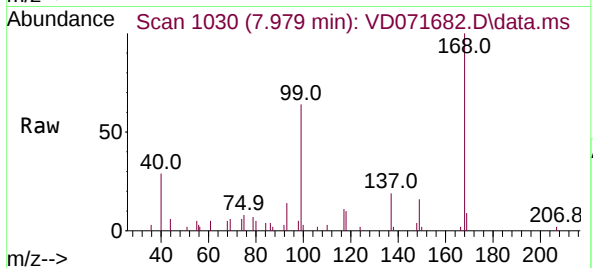
Acq: 12 Jan 2022 13:17

Instrument :

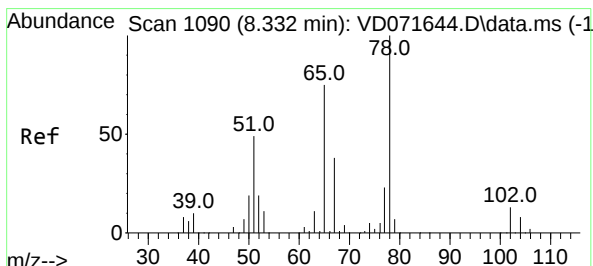
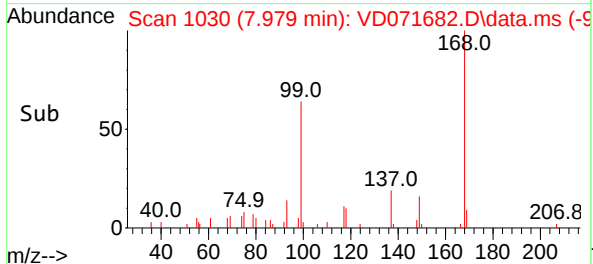
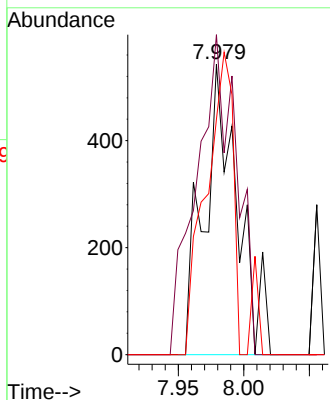
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Tgt Ion:	56	Resp:	966
Ion Ratio	Lower	Upper	
56	100		
69	110.1	21.7	32.5#
84	81.0	65.7	98.5



#33

1,2-Dichloroethane-d4

Concen: 91.581 ug/l

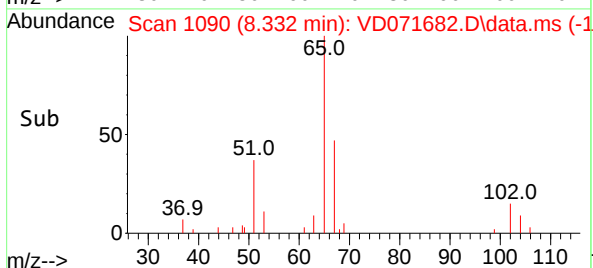
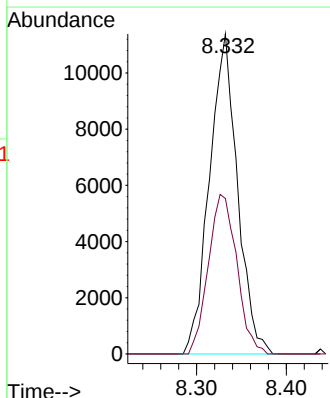
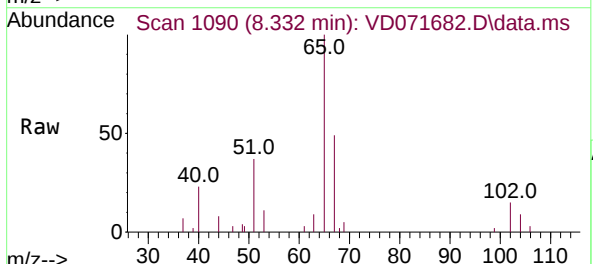
RT: 8.332 min Scan# 1090

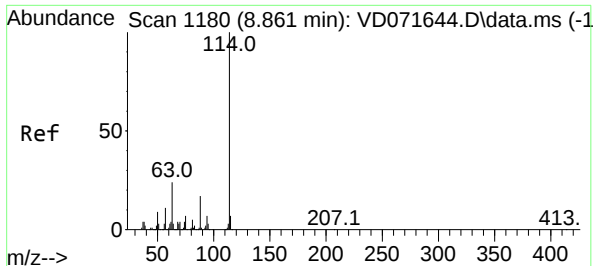
Delta R.T. 0.000 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

Tgt Ion:	65	Resp:	24626
Ion Ratio	Lower	Upper	
65	100		
67	50.7	0.0	101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1180

Delta R.T. -0.011 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

PT-03-011122RE

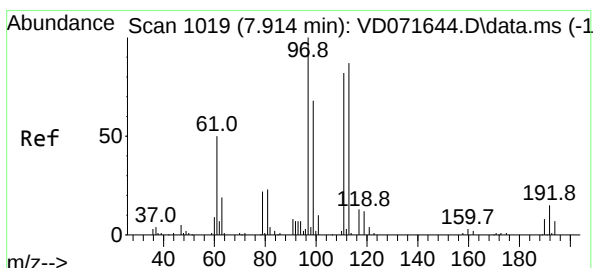
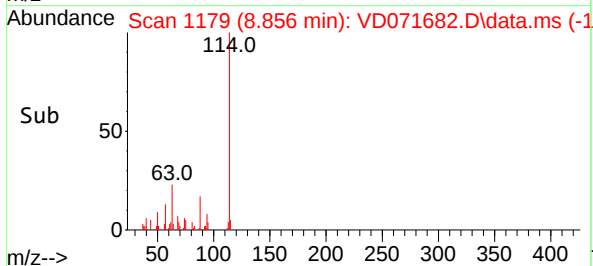
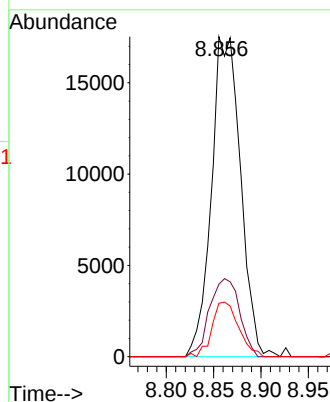
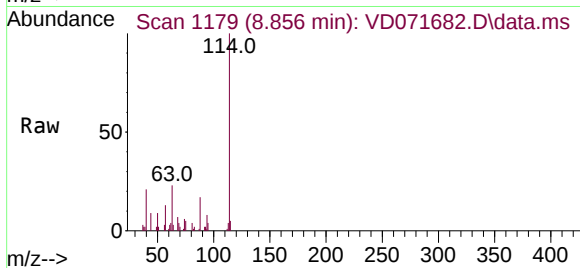
Tgt Ion:114 Resp: 37427

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 60.062 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

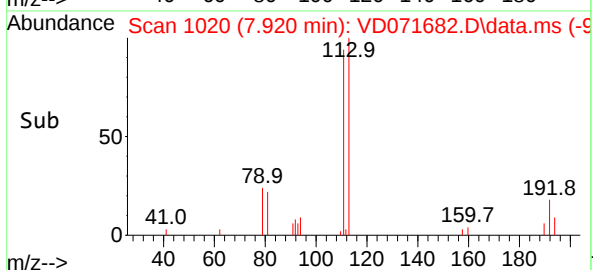
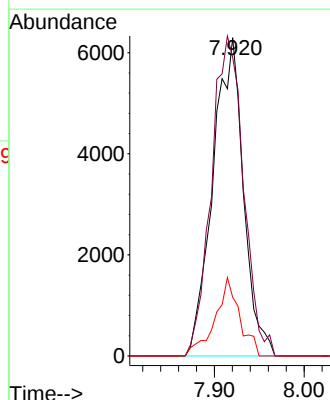
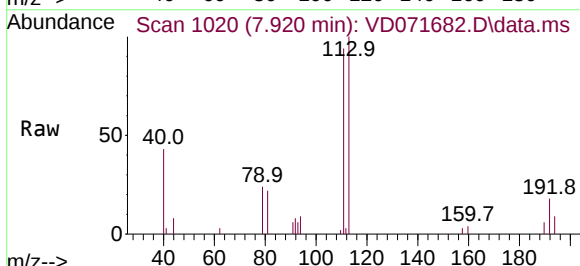
Tgt Ion:113 Resp: 14856

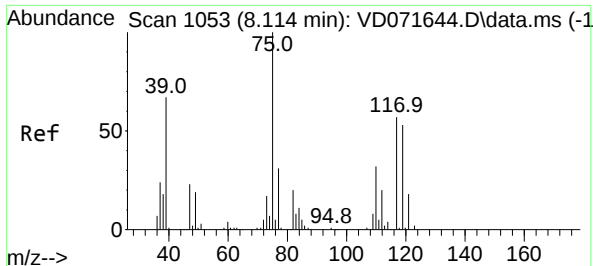
Ion Ratio Lower Upper

113 100

111 105.7 82.2 123.4

192 19.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.756 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

PT-03-011122RE

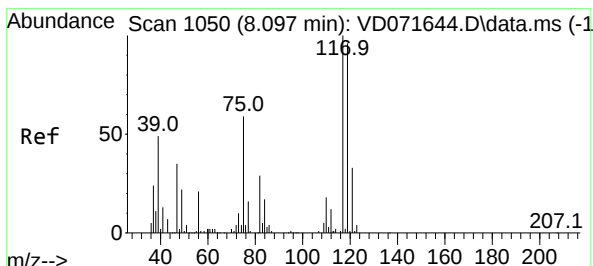
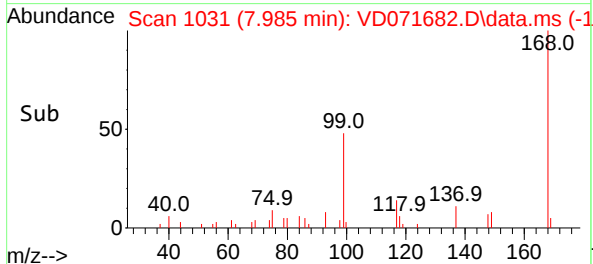
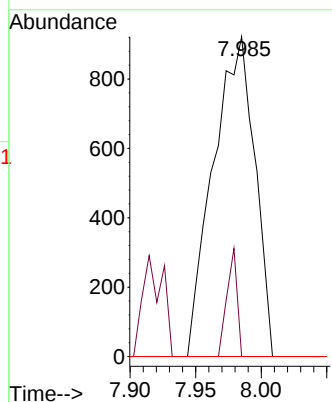
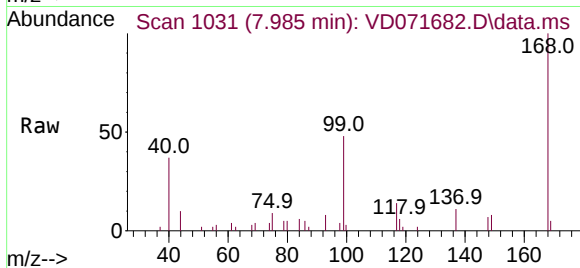
Tgt Ion: 75 Resp: 2031

Ion Ratio Lower Upper

75 100

110 8.2 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.812 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.111 min

Lab File: VD071682.D

Acq: 12 Jan 2022 13:17

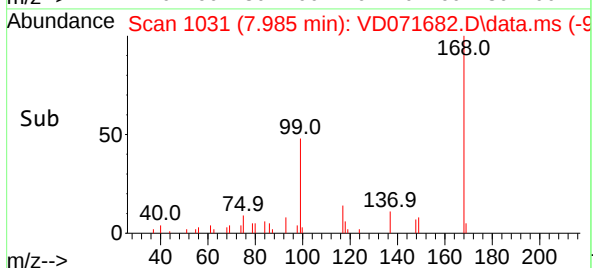
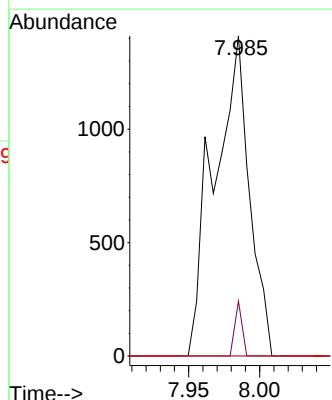
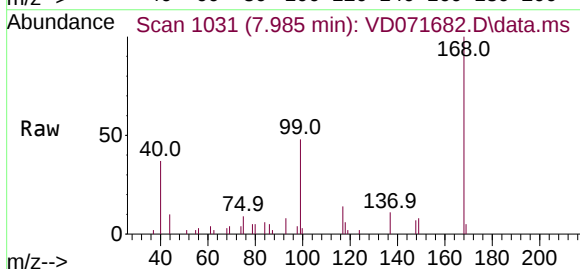
Tgt Ion: 117 Resp: 2434

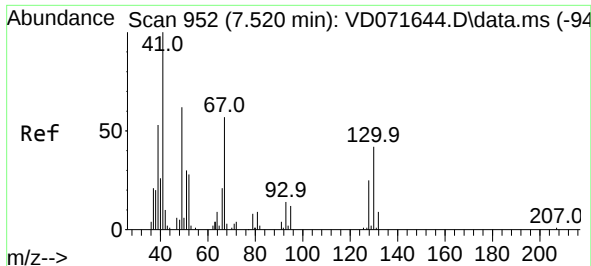
Ion Ratio Lower Upper

117 100

119 17.2 73.4 110.2#

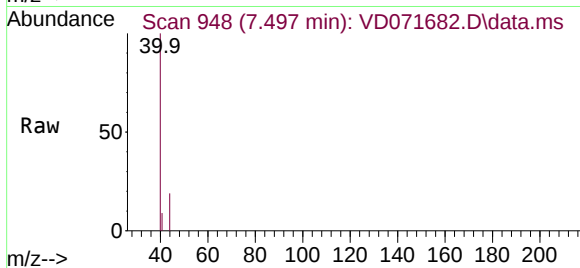
121 0.0 23.9 35.9#



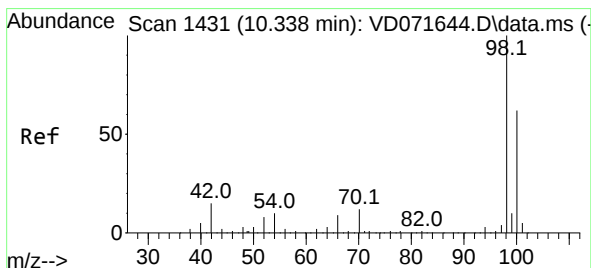
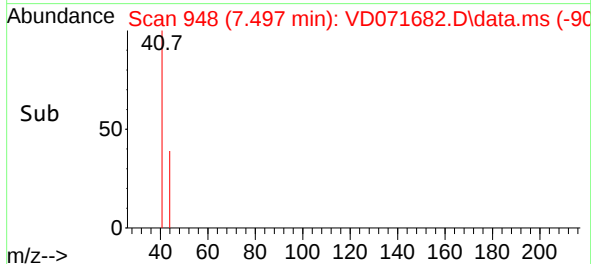
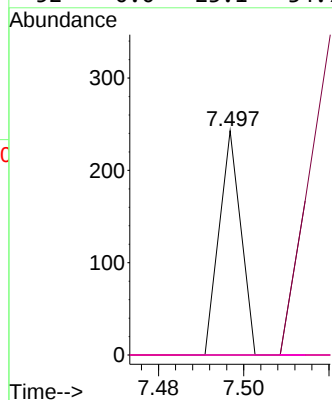


#41
Methacrylonitrile
Concen: 1.963 ug/l
RT: 7.497 min Scan# 941
Delta R.T. -0.023 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

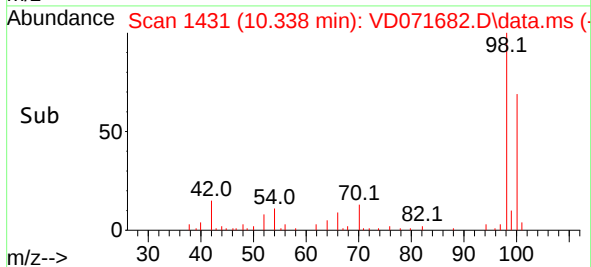
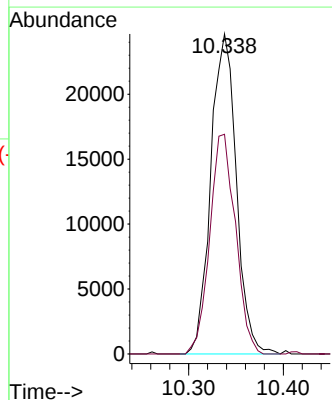
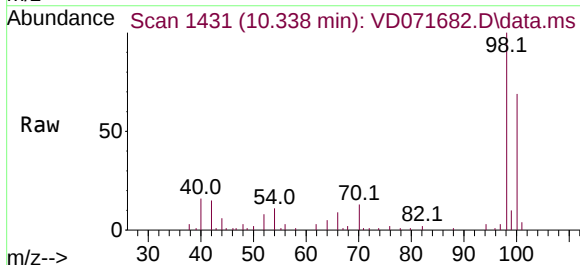


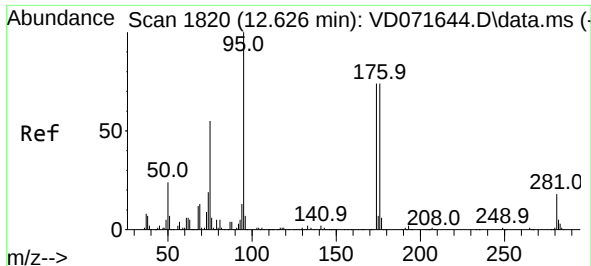
Tgt Ion: 41	Resp: 86
Ion Ratio	Lower Upper
41	100
39	0.0 46.9 70.3#
67	0.0 49.3 73.9#
52	0.0 23.1 34.7#



#50
Toluene-d8
Concen: 49.876 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion: 98	Resp: 46180
Ion Ratio	Lower Upper
98	100
100	69.2 52.1 78.1

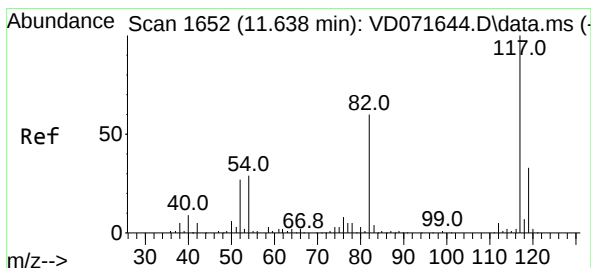
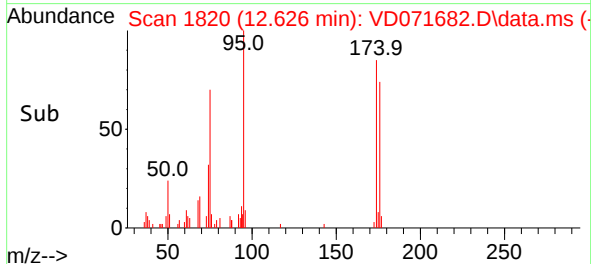
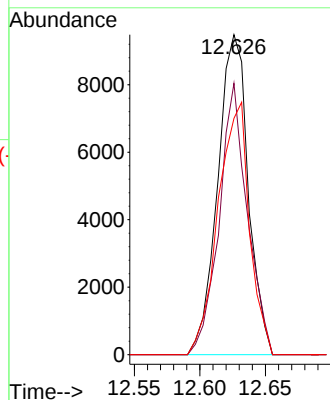
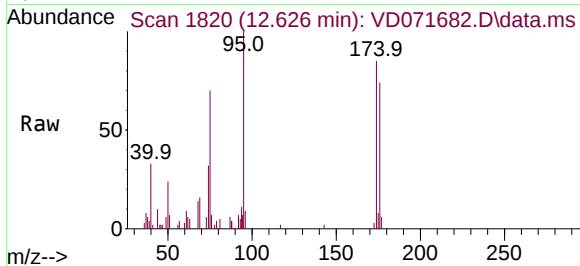




#62
4-Bromofluorobenzene
Concen: 47.128 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

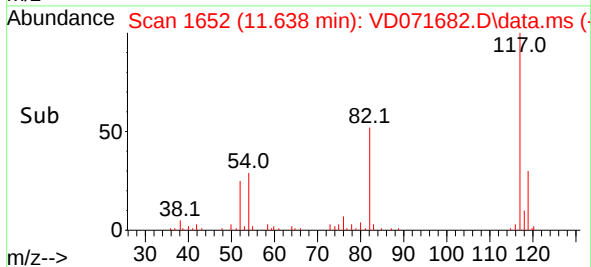
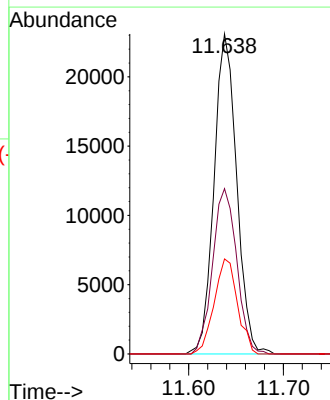
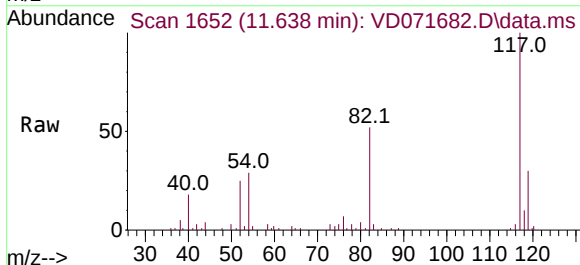
Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

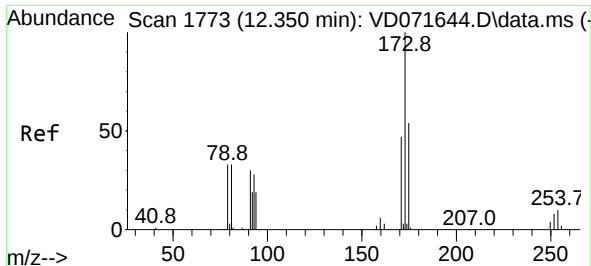
Tgt Ion:	95	Resp:	15376
Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	150.0
176	80.7	0.0	146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion:	117	Resp:	38353
Ion	Ratio	Lower	Upper
117	100		
82	51.6	46.9	70.3
119	29.7	26.6	39.8

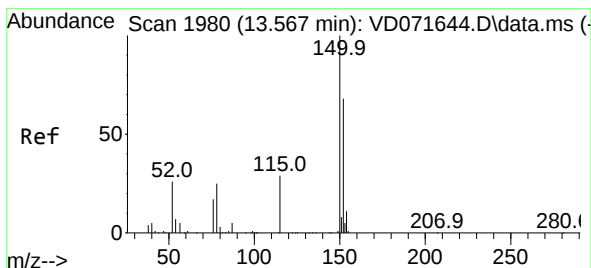
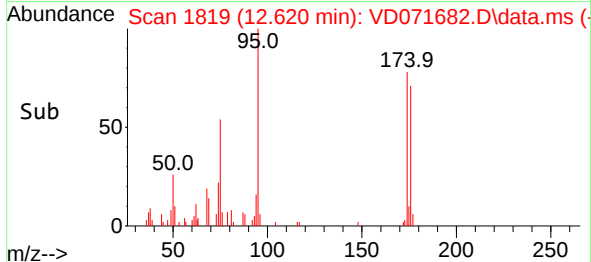
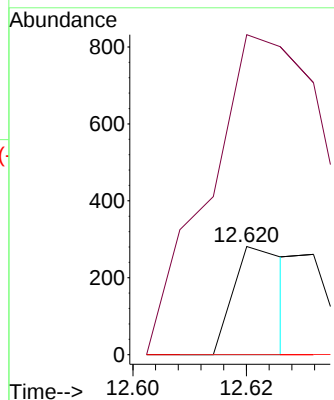
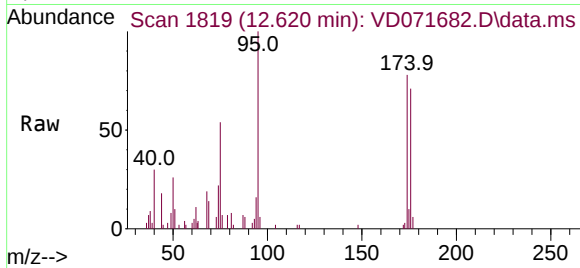




#71
Bromoform
Concen: 1.391 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

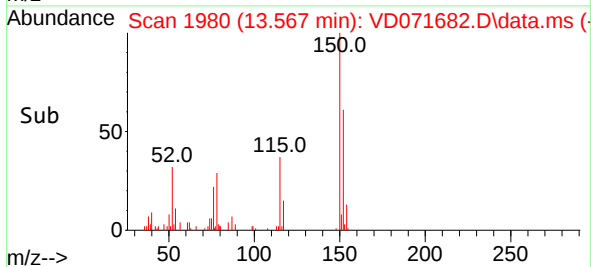
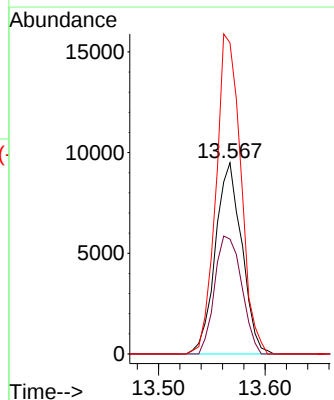
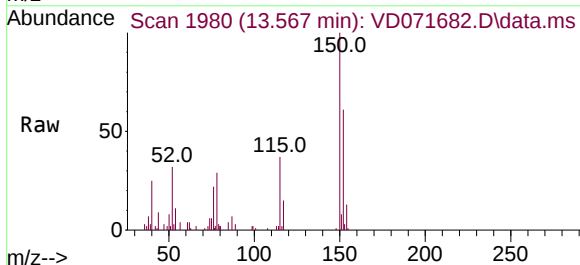
Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

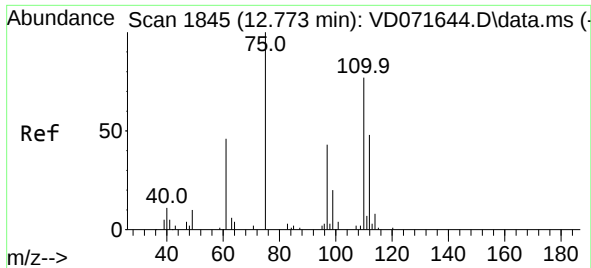
Tgt Ion:173 Resp: 189
Ion Ratio Lower Upper
173 100
175 574.6 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion:152 Resp: 16369
Ion Ratio Lower Upper
152 100
115 62.8 31.5 94.5
150 157.3 0.0 348.0

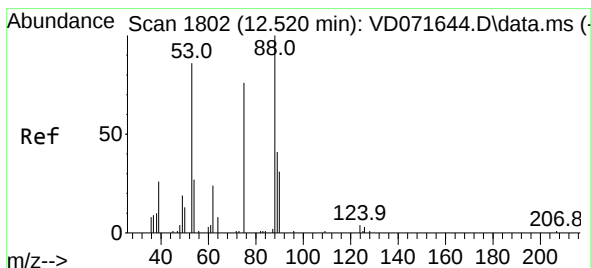
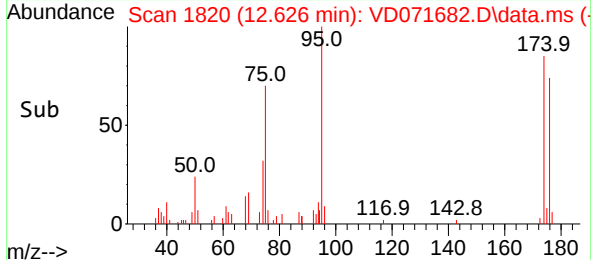
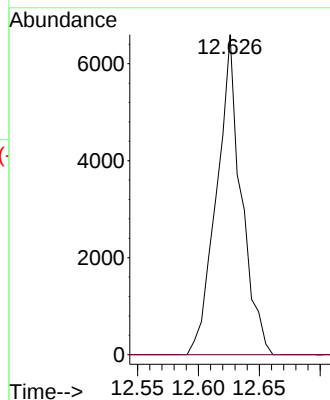
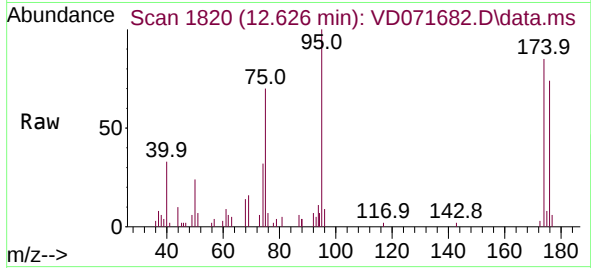




#76
1,2,3-Trichloropropane
Concen: 58.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

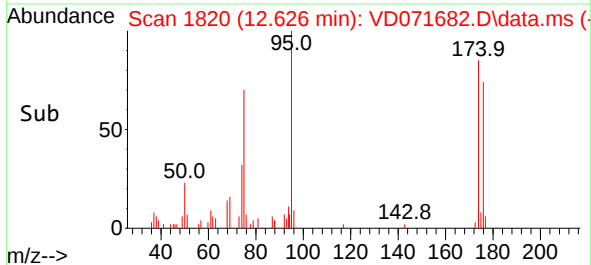
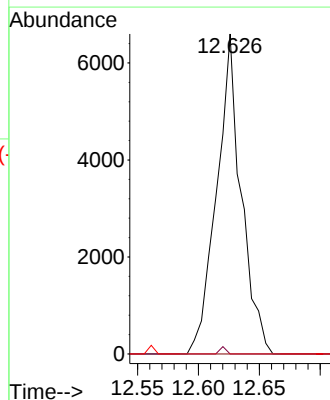
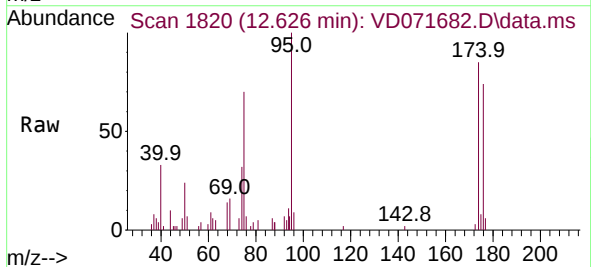
Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

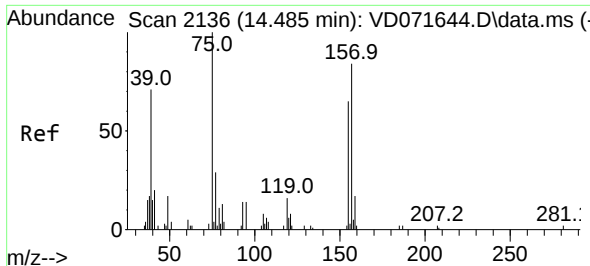
Tgt Ion: 75 Resp: 9265
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 163.304 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion: 75 Resp: 9265
Ion Ratio Lower Upper
75 100
53 0.6 95.4 143.0#
89 0.0 37.2 55.8#

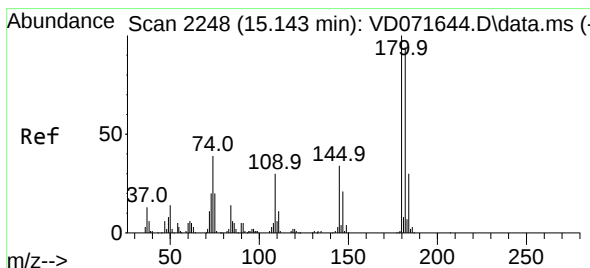
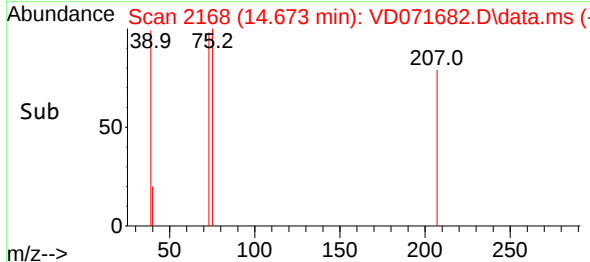
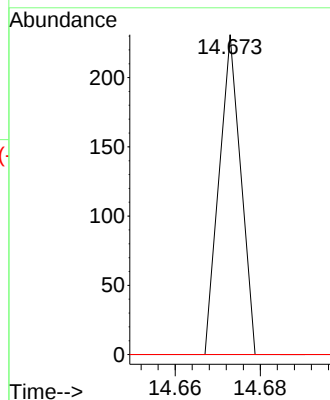
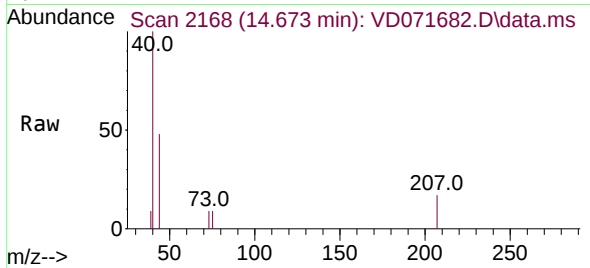




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.448 ug/l
 RT: 14.673 min Scan# 2136
 Delta R.T. 0.183 min
 Lab File: VD071682.D
 Acq: 12 Jan 2022 13:17

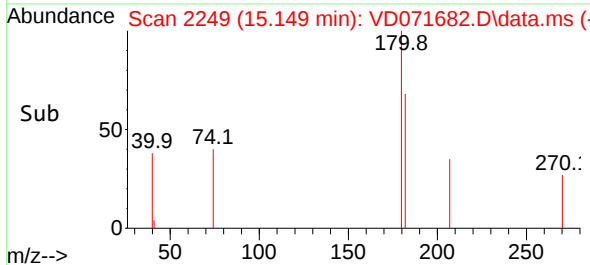
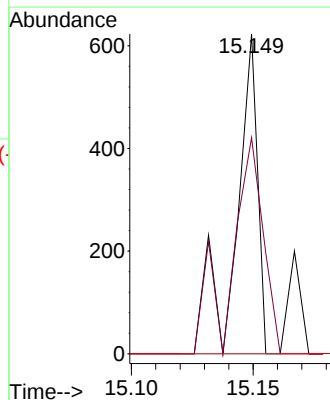
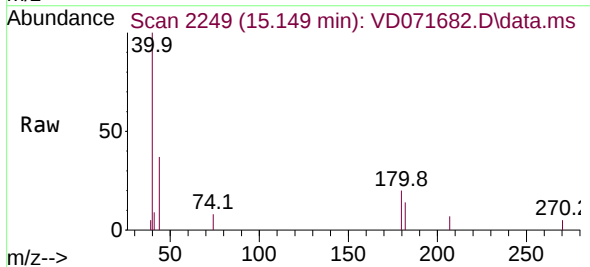
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-03-011122RE

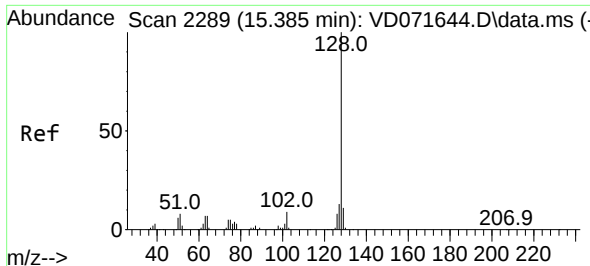
Tgt Ion: 75 Resp: 82
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.4 106.1#
 157 0.0 44.9 134.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.494 ug/l
 RT: 15.149 min Scan# 2249
 Delta R.T. 0.000 min
 Lab File: VD071682.D
 Acq: 12 Jan 2022 13:17

Tgt Ion: 180 Resp: 387
 Ion Ratio Lower Upper
 180 100
 182 99.2 47.5 142.5
 145 0.0 16.4 49.4#

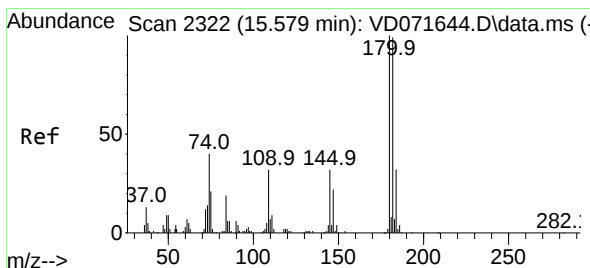
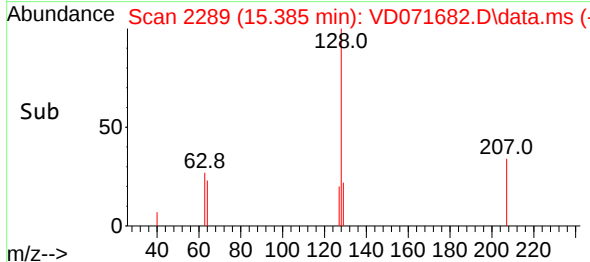
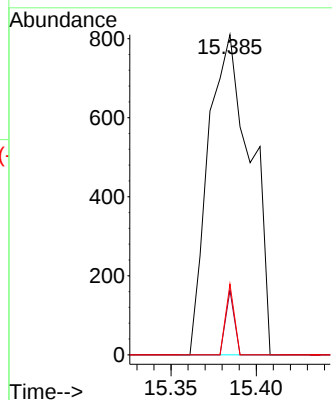
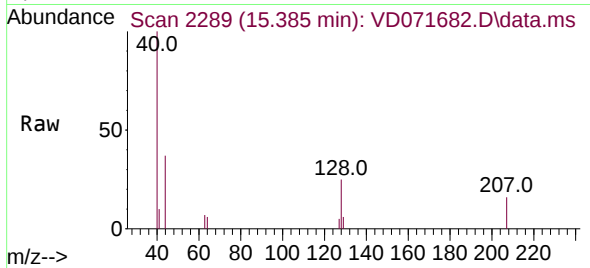




#95
Naphthalene
Concen: 3.053 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.001 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :
PT-03-011122RE

Tgt Ion:128 Resp: 1400
Ion Ratio Lower Upper
128 100
127 4.1 10.9 16.3#
129 4.5 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.550 ug/l
RT: 15.567 min Scan# 2320
Delta R.T. -0.011 min
Lab File: VD071682.D
Acq: 12 Jan 2022 13:17

Tgt Ion:180 Resp: 342
Ion Ratio Lower Upper
180 100
182 22.2 47.0 141.2#
145 0.0 16.4 49.2#

