

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073001.D
 Acq On : 13 May 2022 20:46
 Operator : VA/SY
 Sample : N2816-11
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS003-0006-01

Quant Time: May 16 05:16:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

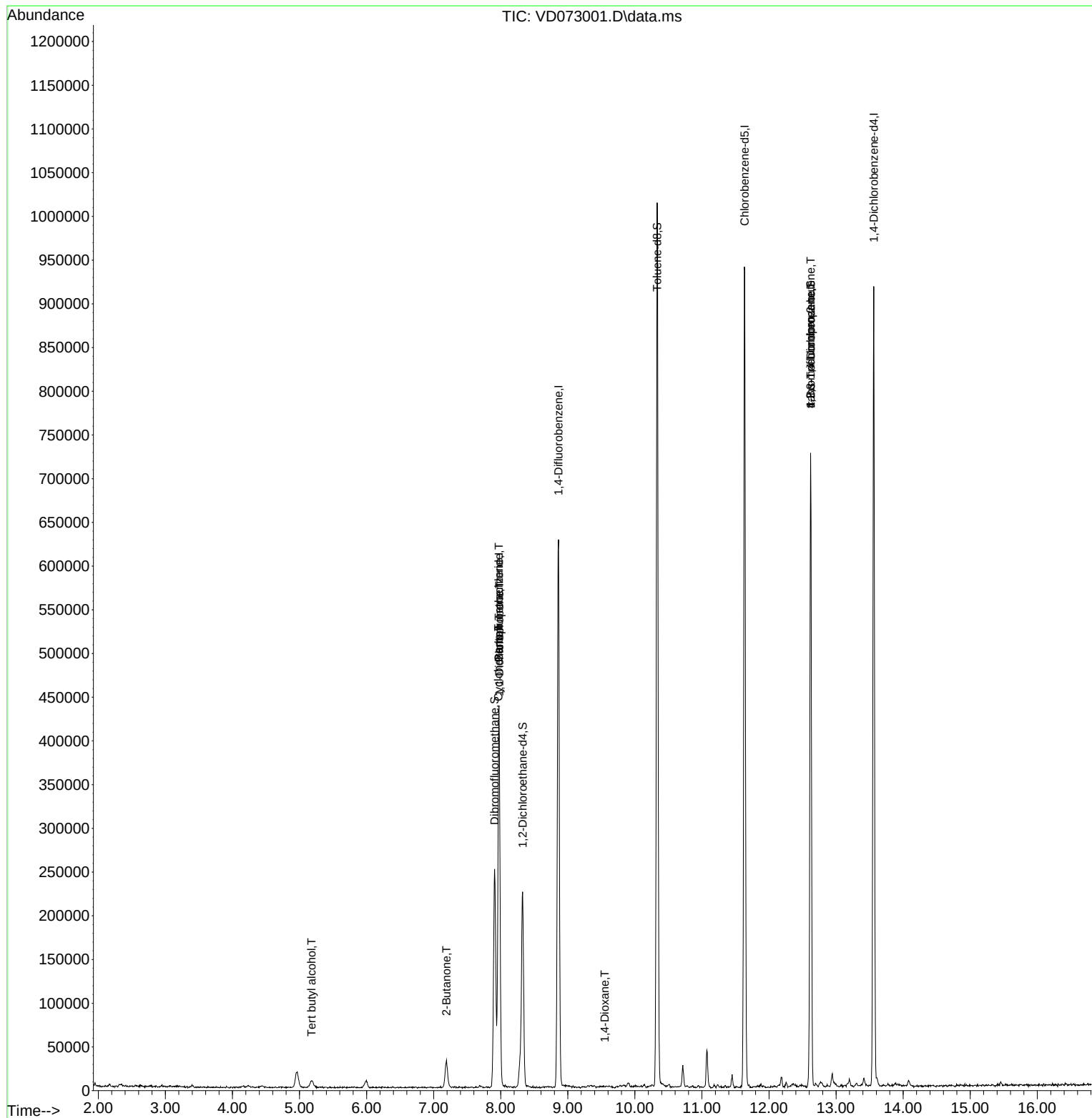
Internal Standards						
1) Pentafluorobenzene	7.973	168	307978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	542088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170237	42.583	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.160%		
35) Dibromofluoromethane	7.909	113	179673	47.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.460%		
50) Toluene-d8	10.332	98	665810	49.306	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.620%		
62) 4-Bromofluorobenzene	12.620	95	239811	47.628	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.260%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	622	Below Cal	#	38
11) Tert butyl alcohol	5.179	59	5874	16.982	ug/l #	74
16) Acetone	4.156	43	2638	Below Cal	#	69
18) Methyl Acetate	4.932	43	55	Below Cal	#	55
20) Methylene Chloride	4.956	84	13748	Below Cal		88
25) 2-Butanone	7.191	43	1834	1.574	ug/l #	52
31) Cyclohexane	7.967	56	7461	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	26242	4.287	ug/l #	53
38) Carbon Tetrachloride	7.973	117	32246	5.075	ug/l #	17
49) 1,4-Dioxane	9.550	88	60	2.081	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	122989	45.959	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	122989	105.688	ug/l #	7

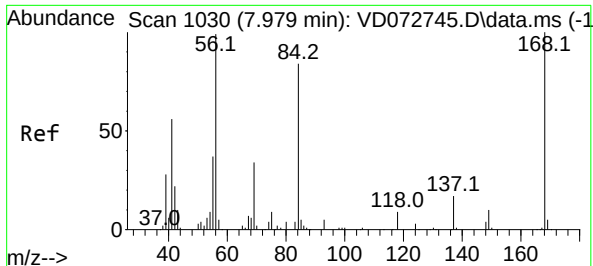
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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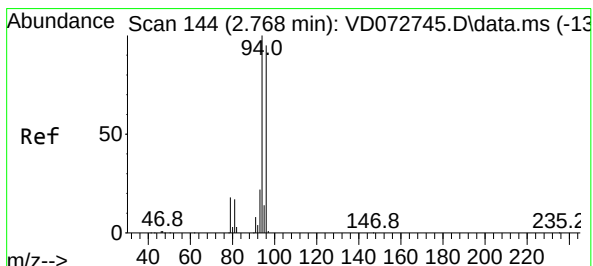
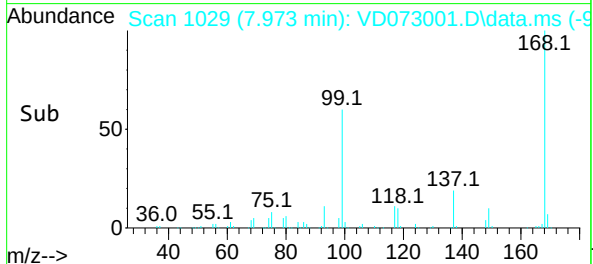
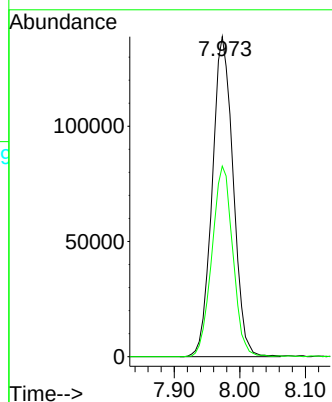
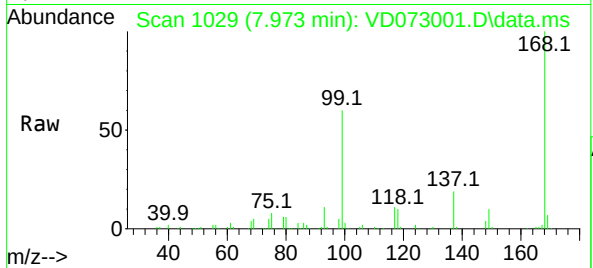




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

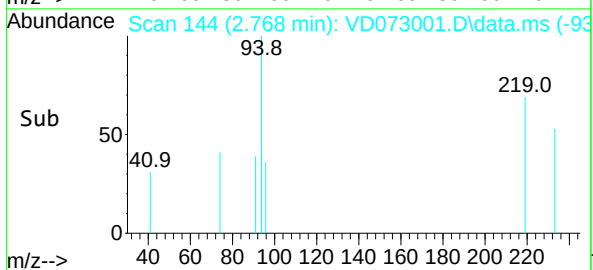
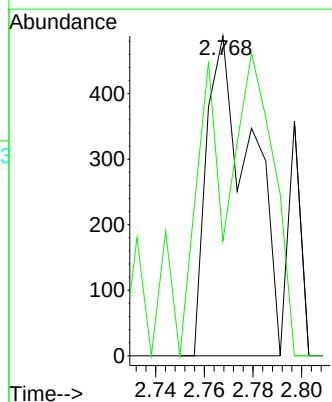
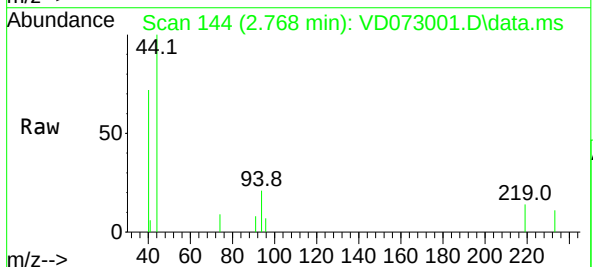
Instrument :
MSVOA_D
ClientSampleId :
P007-SS003-0006-01

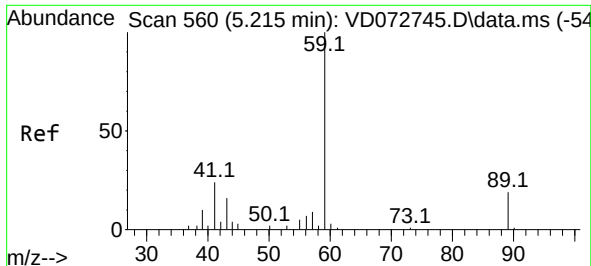
Tgt Ion:168 Resp: 307978
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 35.9 77.6 116.4#

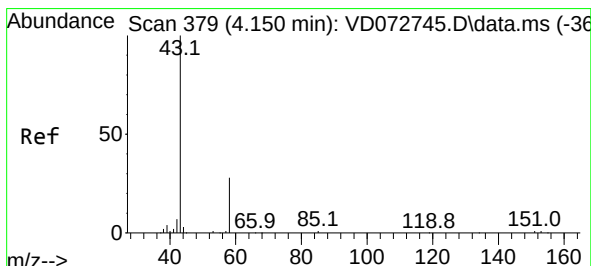
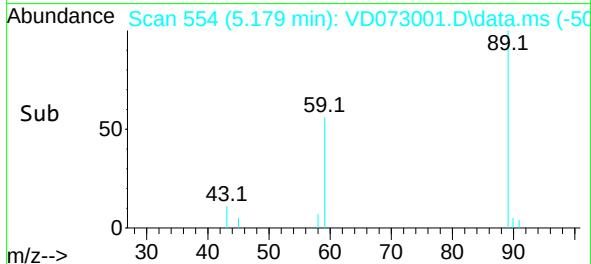
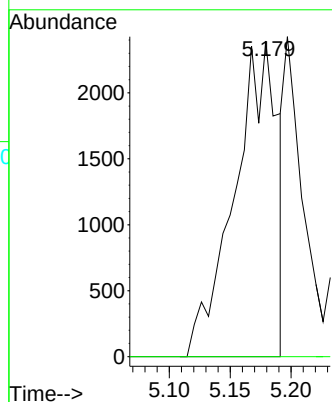
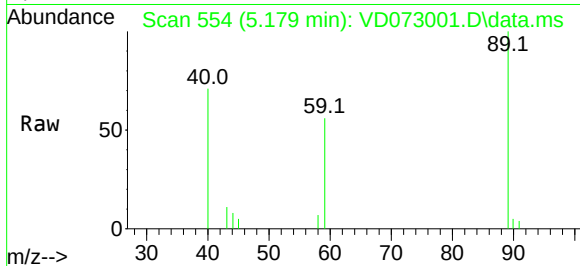




#11
Tert butyl alcohol
Concen: 16.982 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

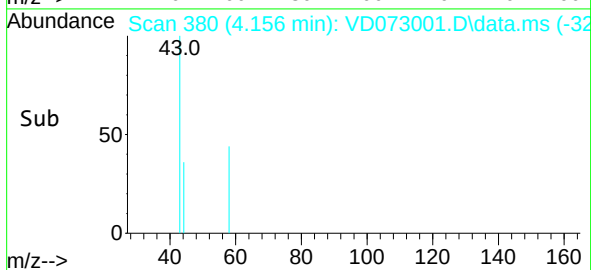
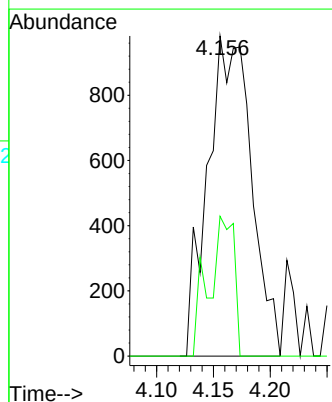
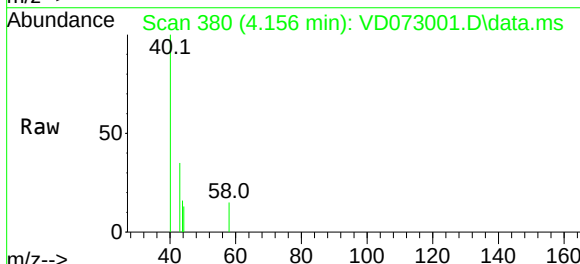
Instrument :
MSVOA_D
ClientSampleId :
P007-SS003-0006-01

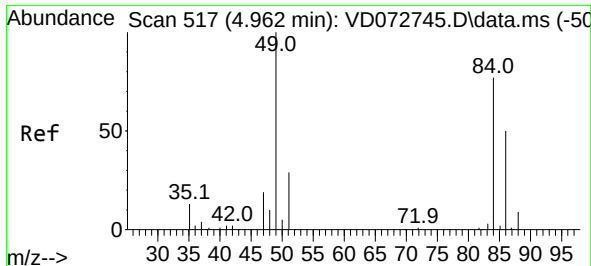
Tgt Ion: 59 Resp: 5874
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Tgt Ion: 43 Resp: 2638
Ion Ratio Lower Upper
43 100
58 43.7 22.1 33.1#



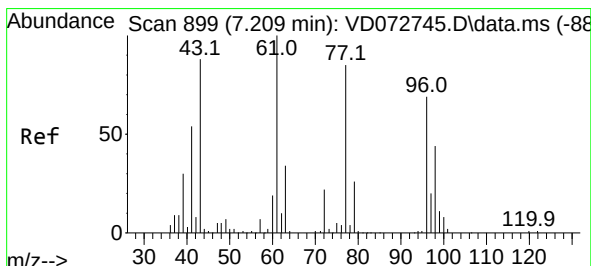
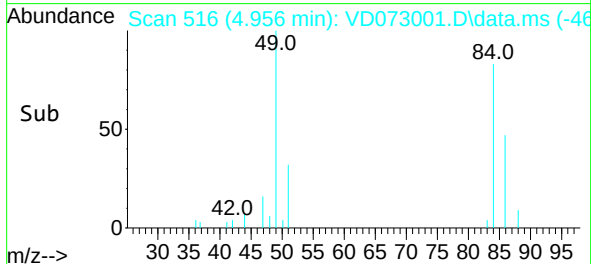
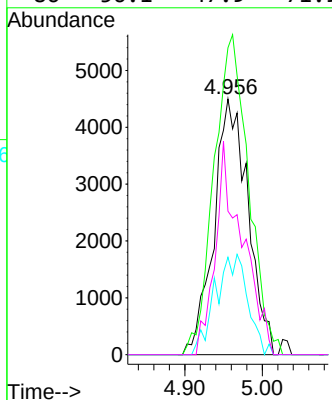
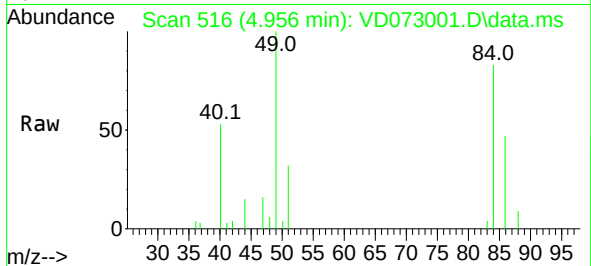


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Instrument :
MSVOA_D
ClientSampleId :
P007-SS003-0006-01

Tgt Ion: 84 Resp: 13748

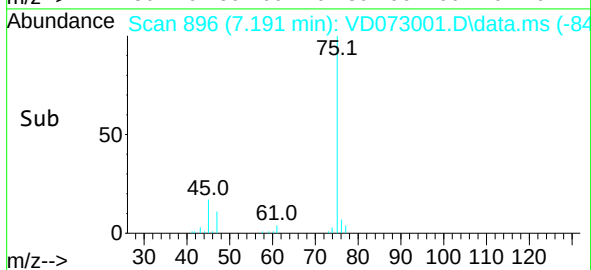
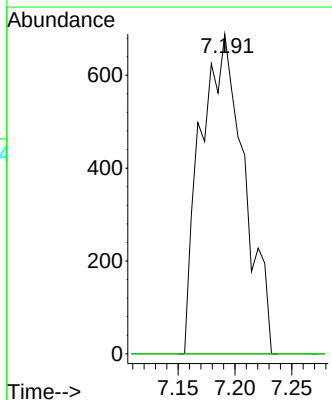
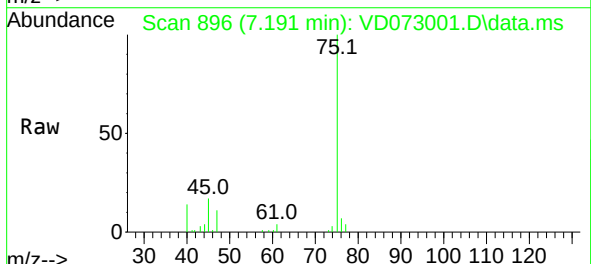
Ion	Ratio	Lower	Upper
84	100		
49	120.0	112.8	169.2
51	38.1	32.6	48.8
86	56.1	47.9	71.9

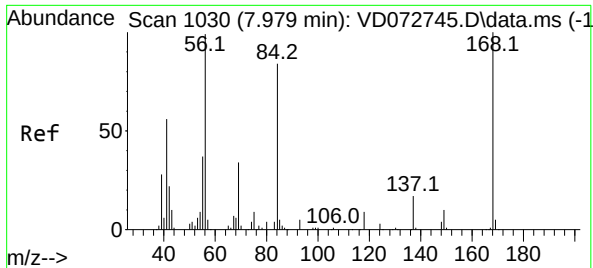


#25
2-Butanone
Concen: 1.574 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Tgt Ion: 43 Resp: 1834

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8

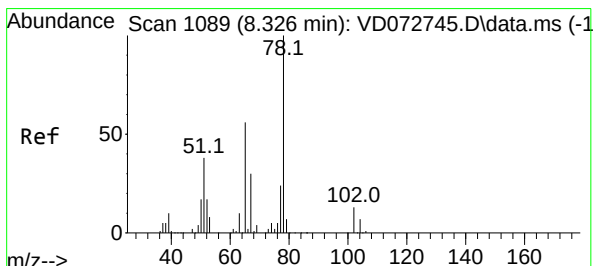
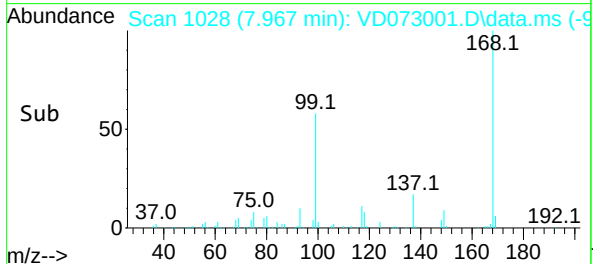
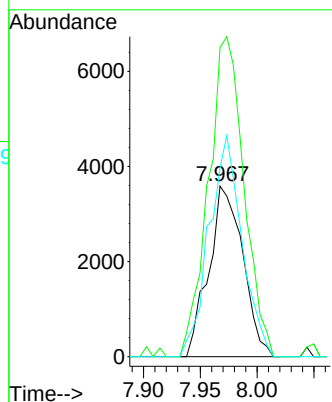
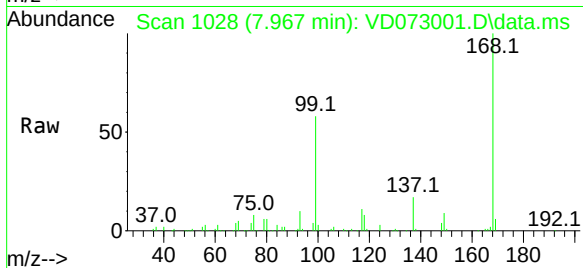




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

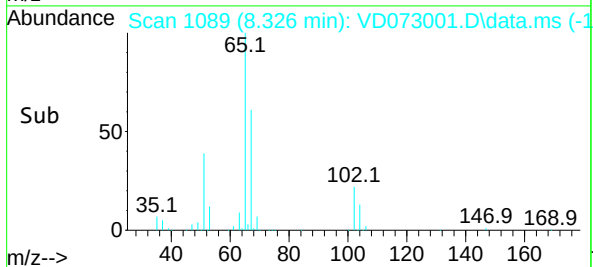
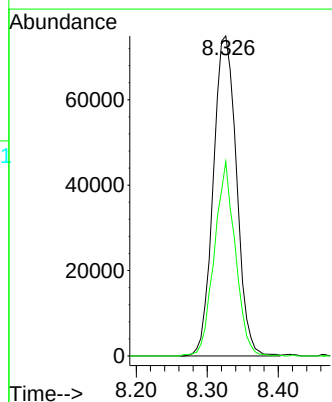
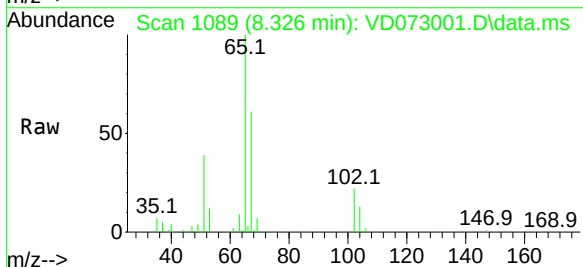
Instrument :
MSVOA_D
ClientSampleId :
P007-SS003-0006-01

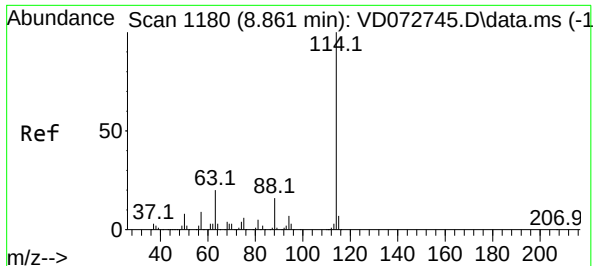
Tgt Ion: 56 Resp: 7461
Ion Ratio Lower Upper
56 100
69 181.3 25.4 38.2#
84 110.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.583 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Tgt Ion: 65 Resp: 170237
Ion Ratio Lower Upper
65 100
67 54.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073001.D

Acq: 13 May 2022 20:46

Instrument :

MSVOA_D

ClientSampleId :

P007-SS003-0006-01

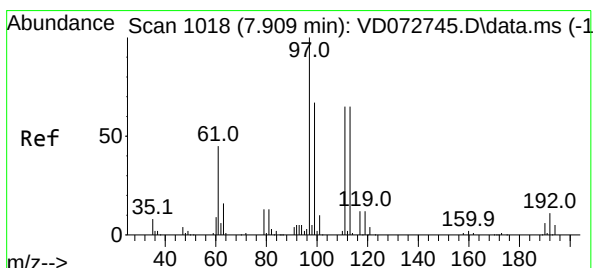
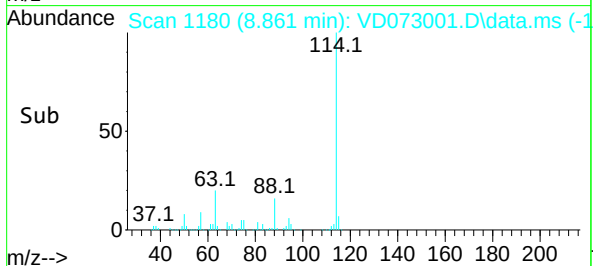
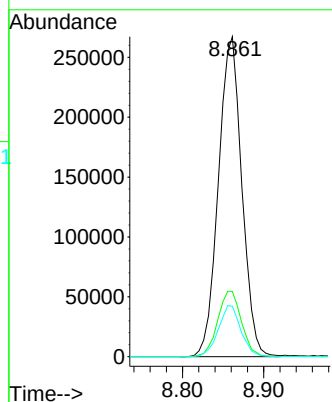
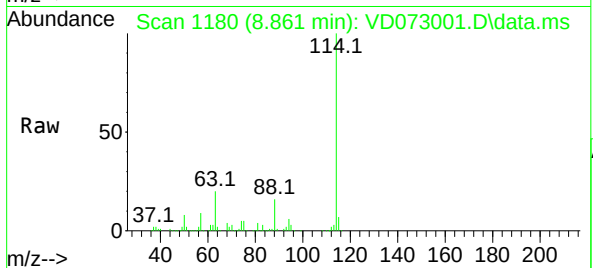
Tgt Ion:114 Resp: 536016

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.728 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073001.D

Acq: 13 May 2022 20:46

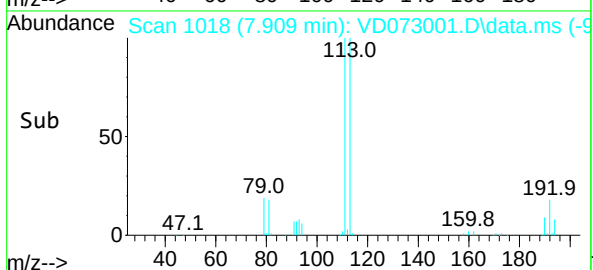
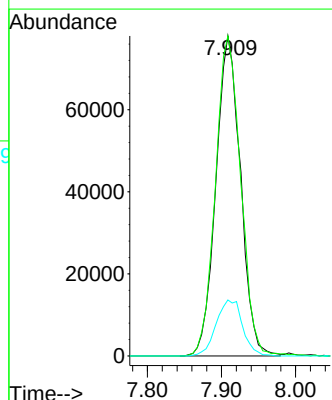
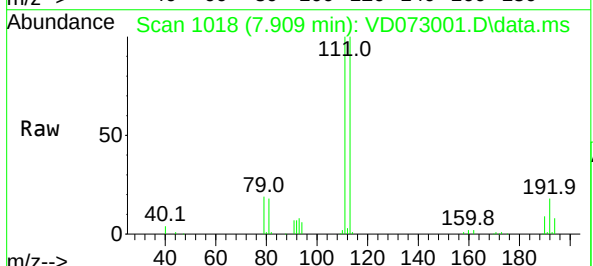
Tgt Ion:113 Resp: 179673

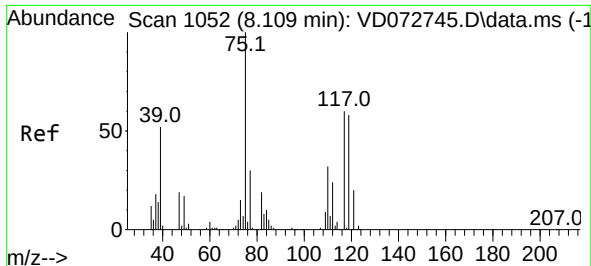
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.287 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073001.D

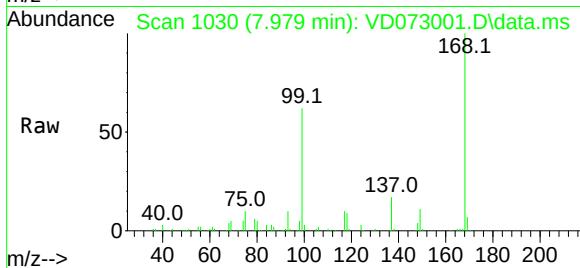
Acq: 13 May 2022 20:46

Instrument :

MSVOA_D

ClientSampleId :

P007-SS003-0006-01



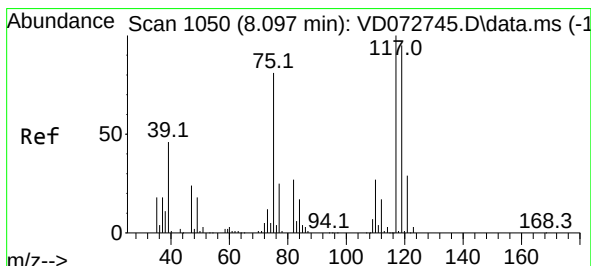
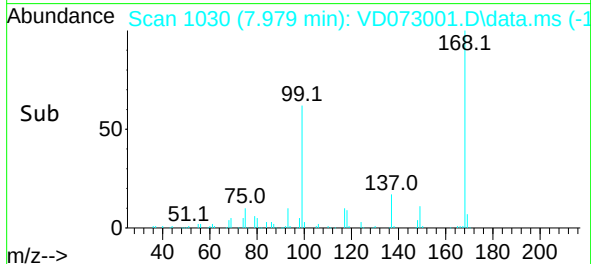
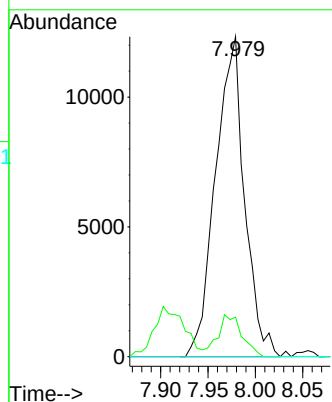
Tgt Ion: 75 Resp: 26242

Ion Ratio Lower Upper

75 100

110 11.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.075 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD073001.D

Acq: 13 May 2022 20:46

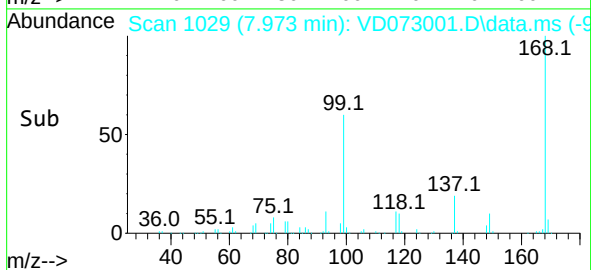
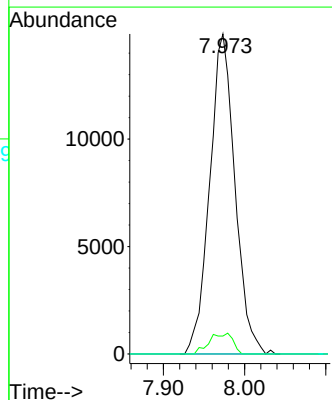
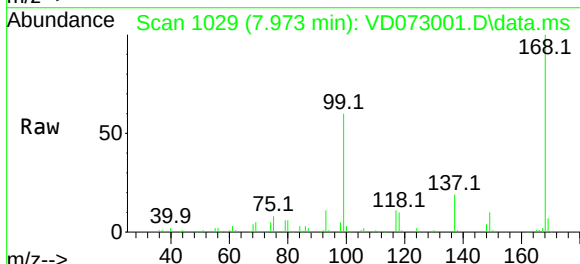
Tgt Ion: 117 Resp: 32246

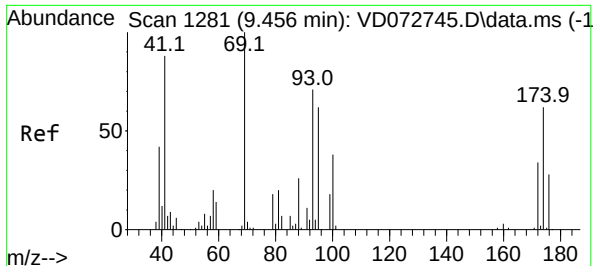
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 2.081 ug/l

RT: 9.550 min Scan# 1281

Delta R.T. 0.094 min

Lab File: VD073001.D

Acq: 13 May 2022 20:46

Instrument :

MSVOA_D

ClientSampleId :

P007-SS003-0006-01

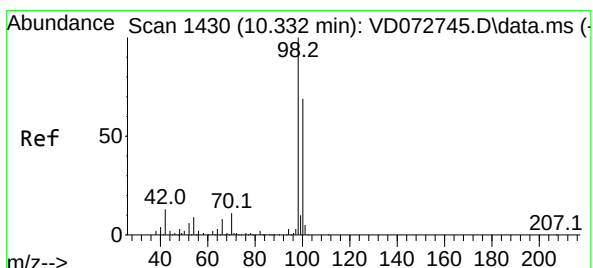
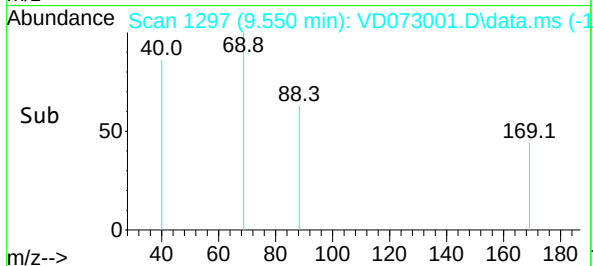
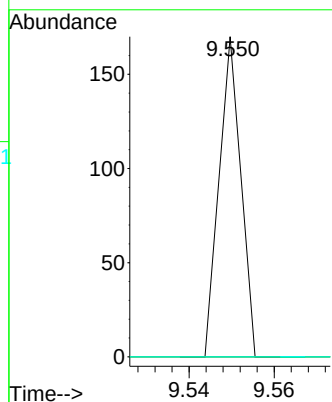
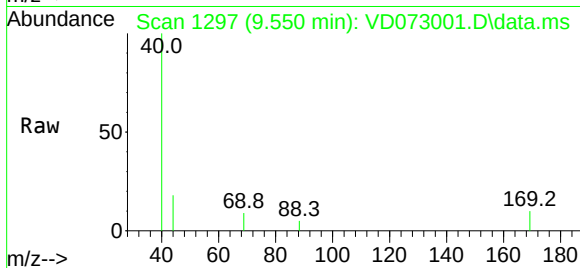
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 49.306 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073001.D

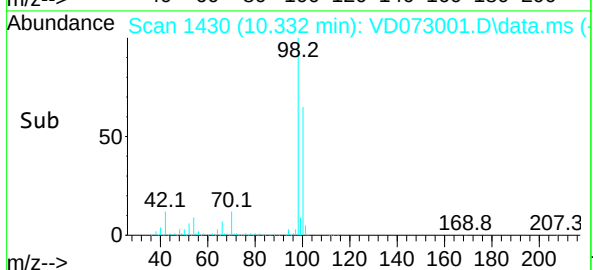
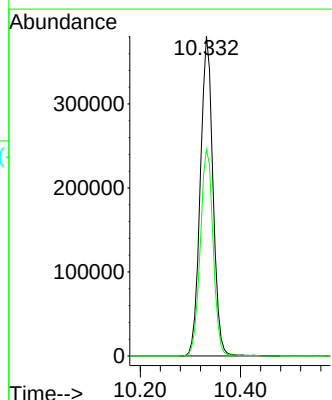
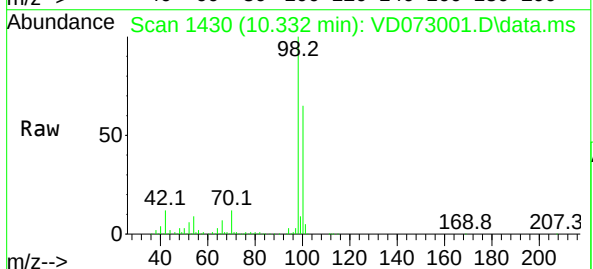
Acq: 13 May 2022 20:46

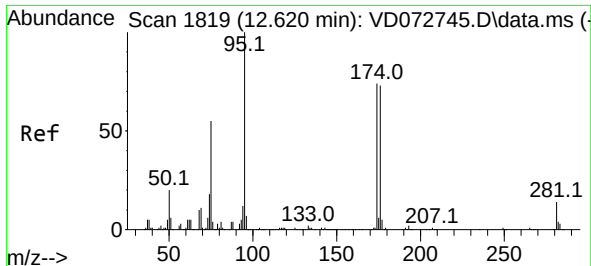
Tgt Ion: 98 Resp: 665810

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6

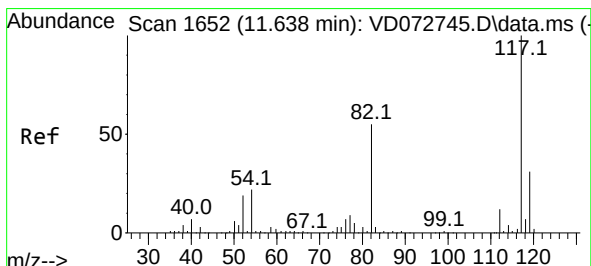
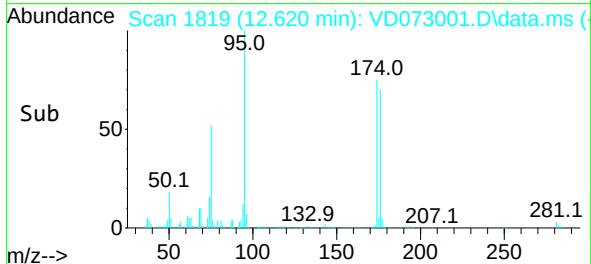
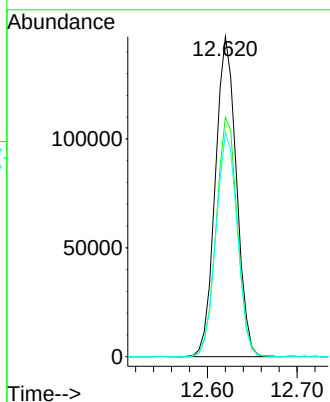
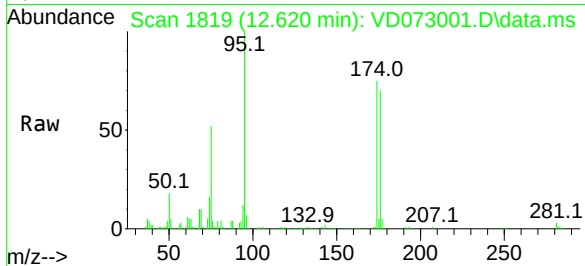




#62
4-Bromofluorobenzene
Concen: 47.628 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

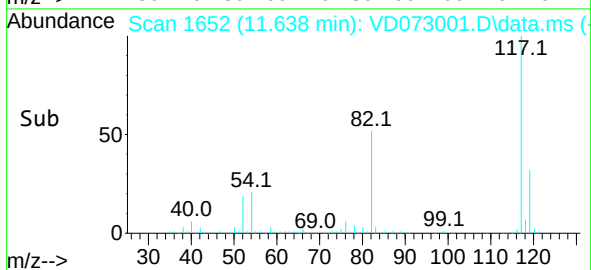
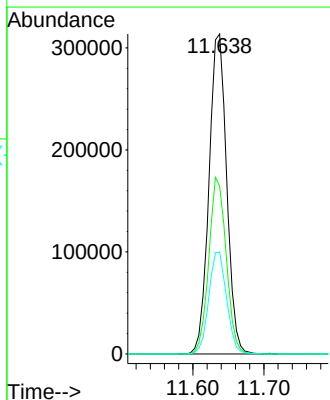
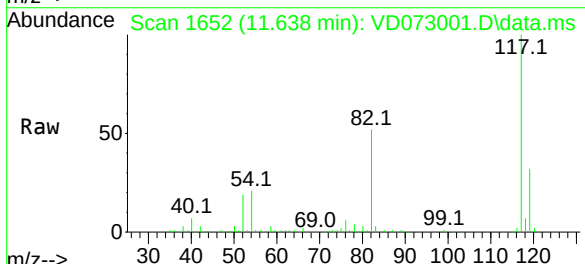
Instrument :
MSVOA_D
ClientSampleId :
P007-SS003-0006-01

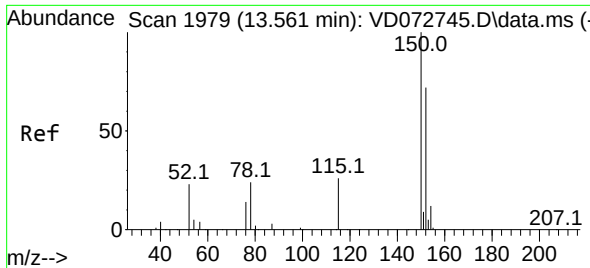
Tgt Ion: 95 Resp: 239811
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 71.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073001.D
Acq: 13 May 2022 20:46

Tgt Ion: 117 Resp: 542088
Ion Ratio Lower Upper
117 100
82 52.4 45.3 67.9
119 31.9 26.6 40.0

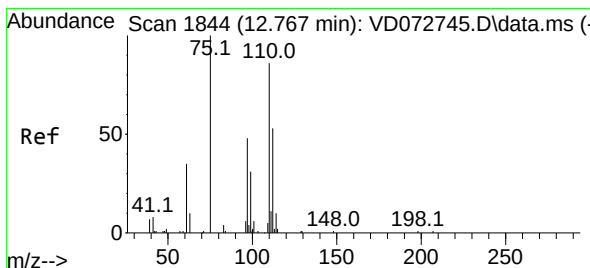
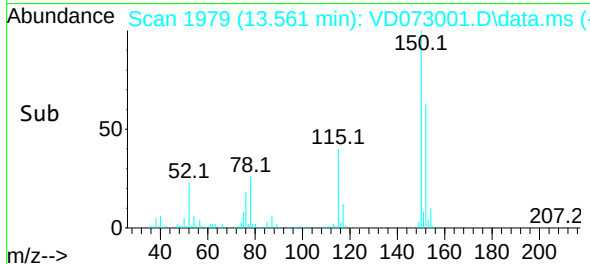
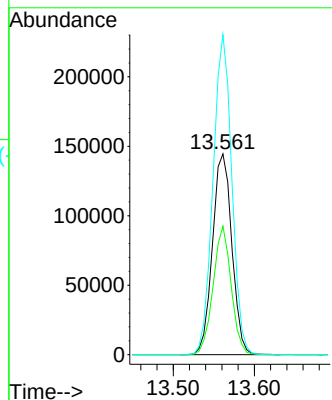
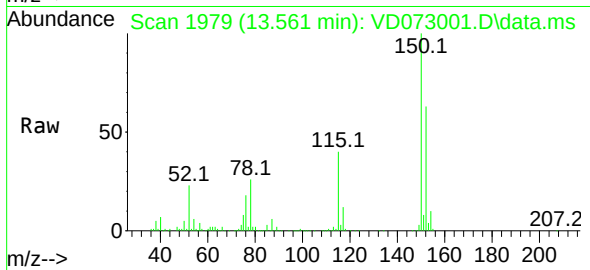




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073001.D
 Acq: 13 May 2022 20:46

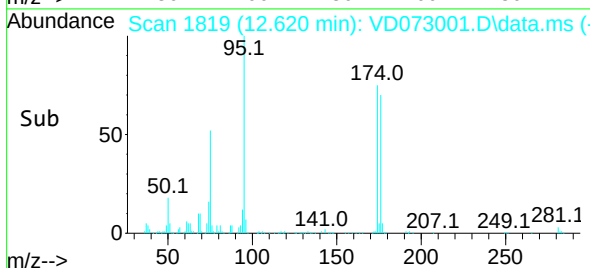
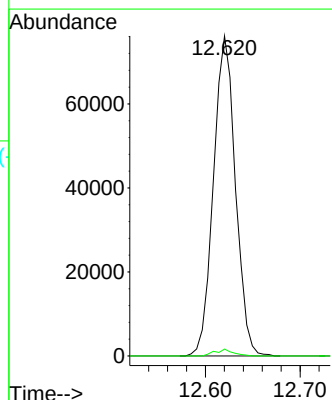
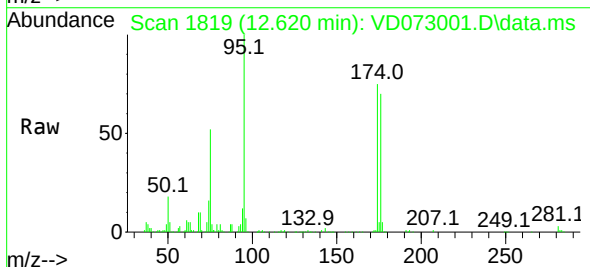
Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS003-0006-01

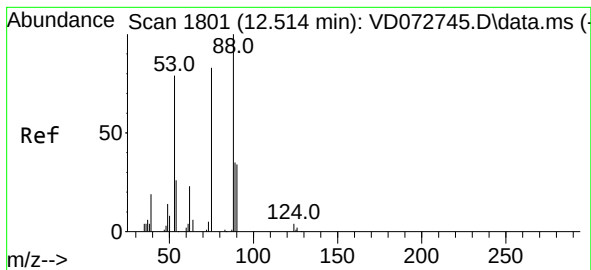
Tgt Ion:152 Resp: 239990
 Ion Ratio Lower Upper
 152 100
 115 59.5 31.3 93.8
 150 154.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.959 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073001.D
 Acq: 13 May 2022 20:46

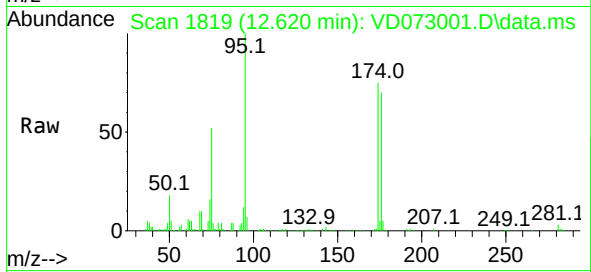
Tgt Ion: 75 Resp: 122989
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.688 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073001.D
 Acq: 13 May 2022 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS003-0006-01



Tgt Ion: 75 Resp: 122989
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.1 33.9 50.9#

