

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073346.D
 Acq On : 25 May 2022 02:49
 Operator : VA/SY
 Sample : N2886-02
 Misc : 5.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P014-SS003-0006-01

Quant Time: May 25 05:33:32 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)

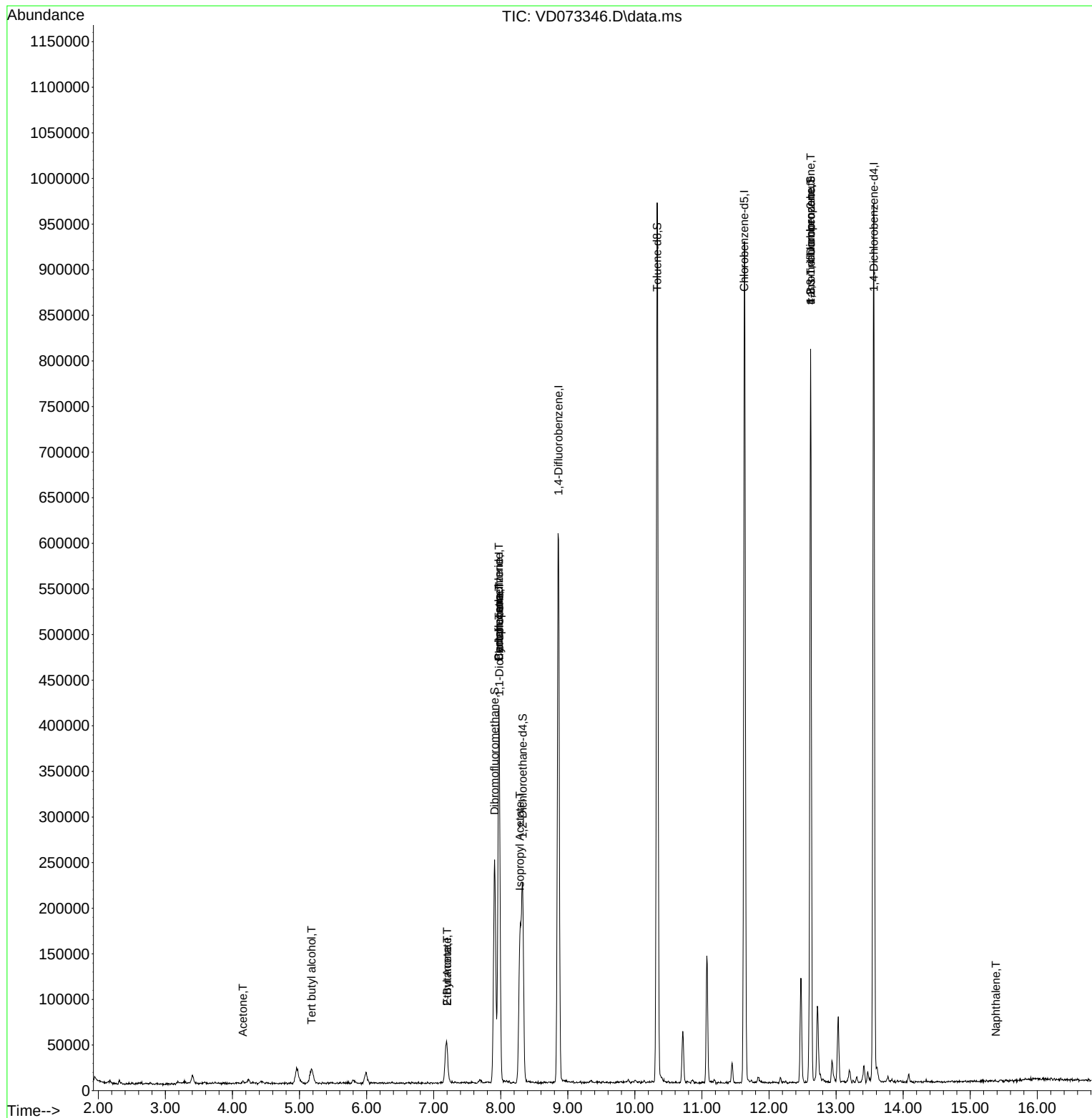
Internal Standards						
1) Pentafluorobenzene	7.973	168	293596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	532412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	545746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159393	49.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.240%
35) Dibromofluoromethane	7.908	113	176274	50.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.340%
50) Toluene-d8	10.332	98	639115	49.350	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.620	95	249865	54.977	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.960%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	401	Below Cal	#	57
11) Tert butyl alcohol	5.179	59	14870	29.539	ug/l #	74
16) Acetone	4.156	43	2822	5.021	ug/l #	55
20) Methylene Chloride	4.956	84	12501	Below Cal	#	77
25) 2-Butanone	7.203	43	2667	3.244	ug/l #	52
31) Cyclohexane	7.973	56	7031	1.240	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	25501	4.826	ug/l #	51
37) Ethyl Acetate	7.203	43	2667	1.278	ug/l #	30
38) Carbon Tetrachloride	7.973	117	32190	6.010	ug/l #	17
43) Isopropyl Acetate	8.285	43	4121	1.068	ug/l #	24
76) 1,2,3-Trichloropropane	12.620	75	126568	49.818	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126568	119.599	ug/l #	7
95) Naphthalene	15.385	128	414	3.587	ug/l #	70

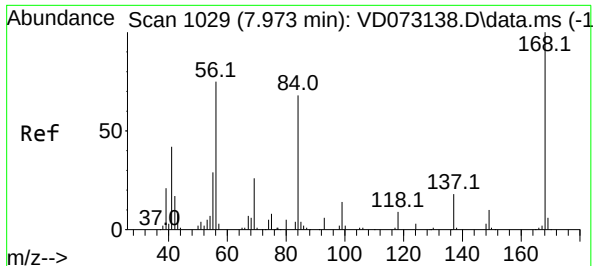
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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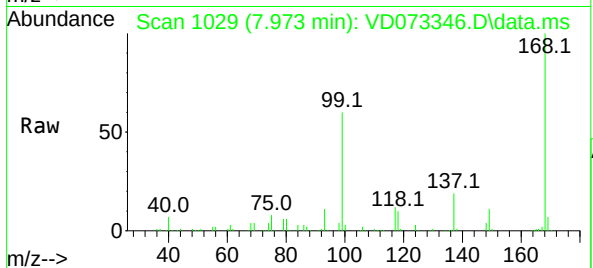
Quant Time: May 25 05:33:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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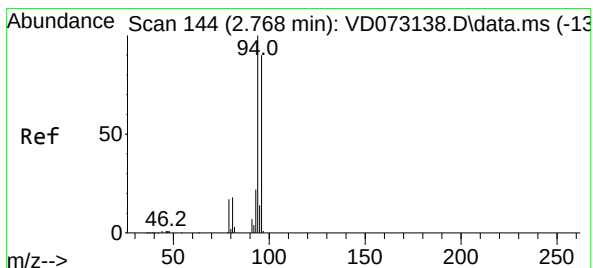
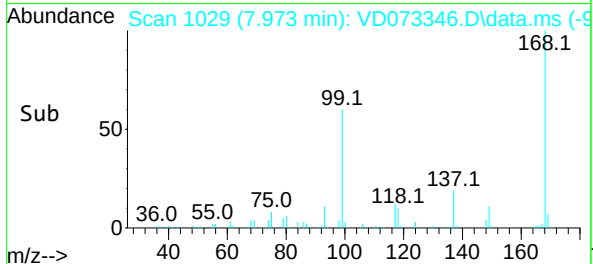
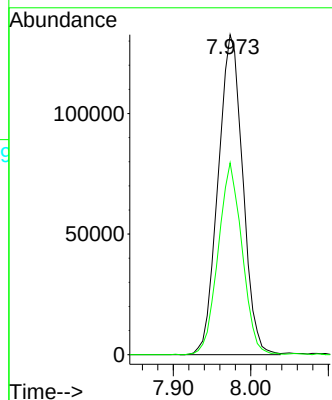


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Instrument :
MSVOA_D
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P014-SS003-0006-01

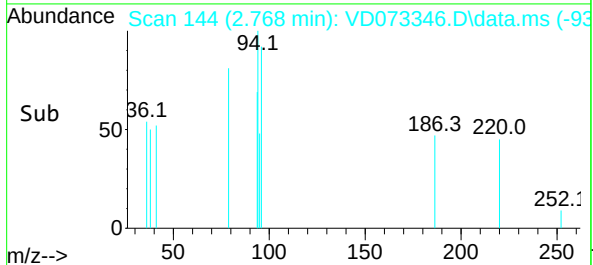
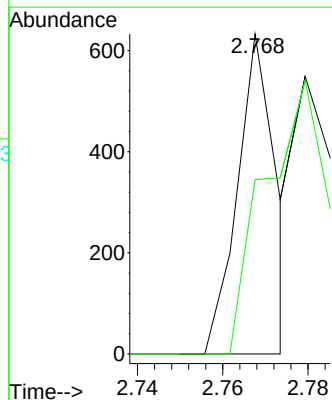
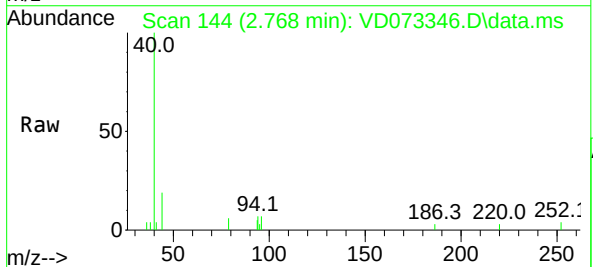


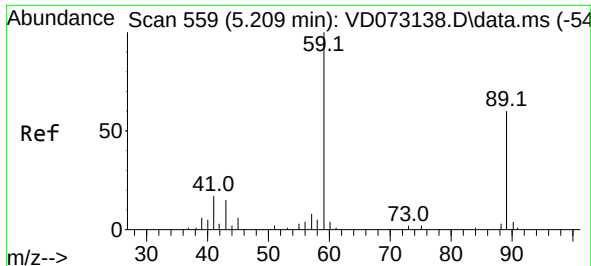
Tgt Ion:168 Resp: 293596
Ion Ratio Lower Upper
168 100
99 59.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 54.5 77.6 116.4#

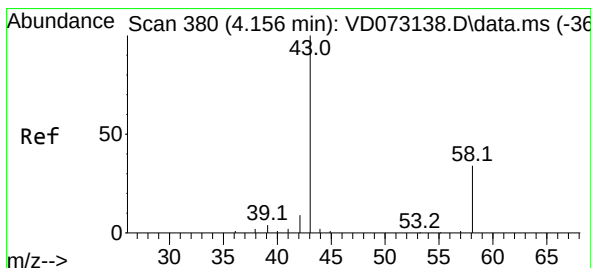
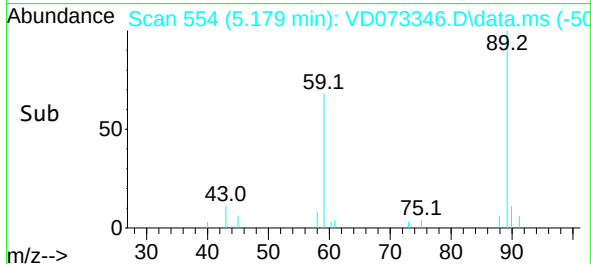
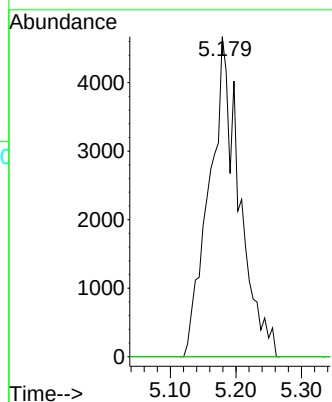
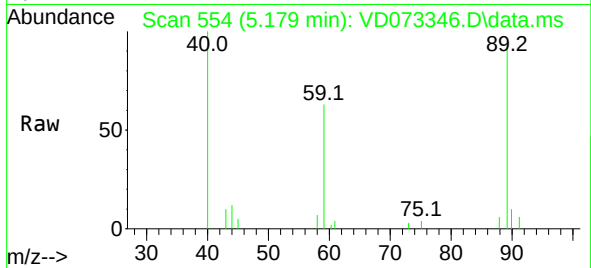




#11
Tert butyl alcohol
Concen: 29.539 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

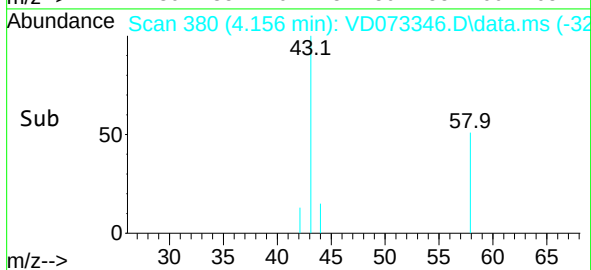
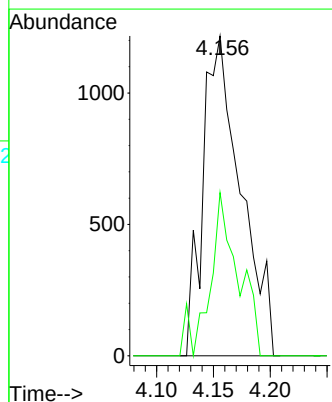
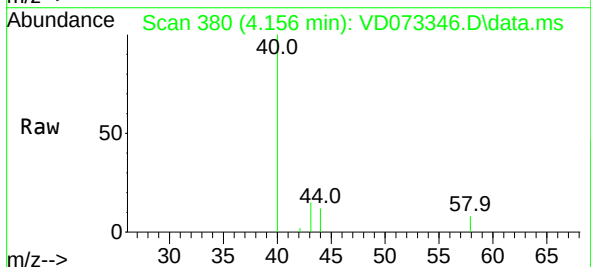
Instrument :
MSVOA_D
ClientSampleId :
P014-SS003-0006-01

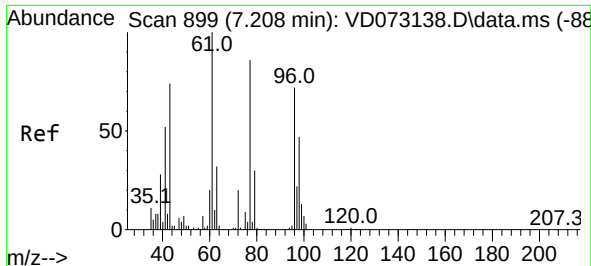
Tgt Ion: 59 Resp: 14870
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.021 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
58 51.0 22.1 33.1#

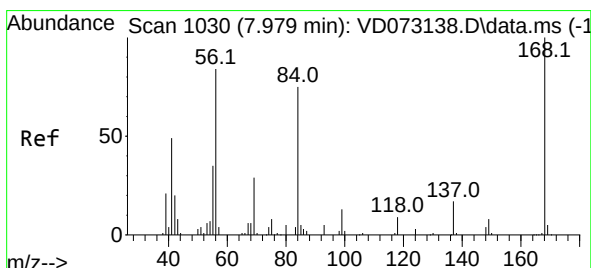
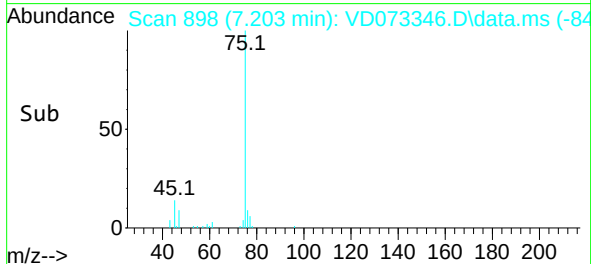
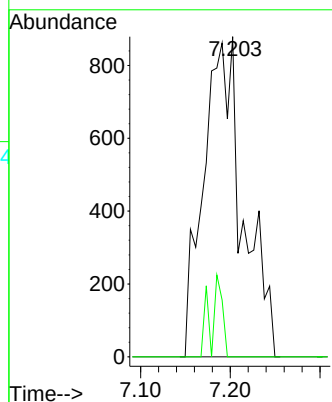
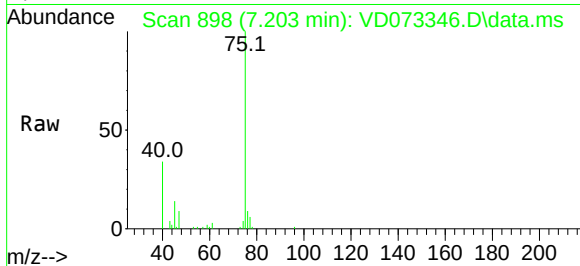




#25
2-Butanone
Concen: 3.244 ug/l
RT: 7.203 min Scan# 89
Delta R.T. -0.005 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

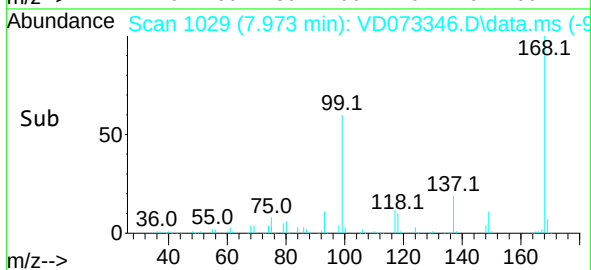
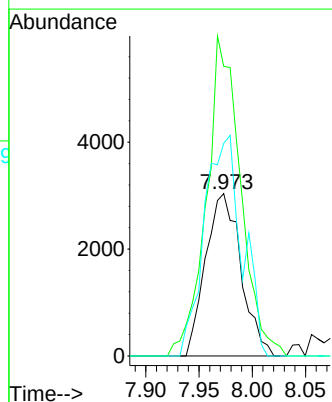
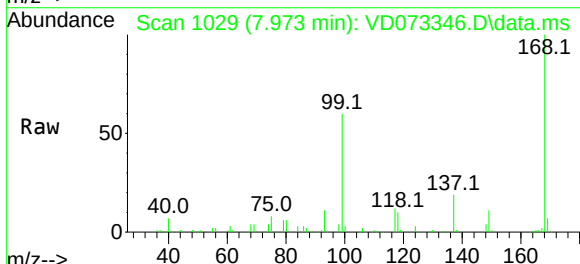
Instrument :
MSVOA_D
ClientSampleId :
P014-SS003-0006-01

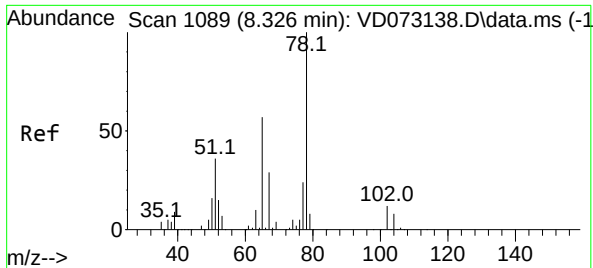
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Tgt Ion: 56 Resp: 7031
Ion Ratio Lower Upper
56 100
69 172.5 25.4 38.2#
84 130.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.125 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073346.D

Acq: 25 May 2022 02:49

Instrument :

MSVOA_D

ClientSampleId :

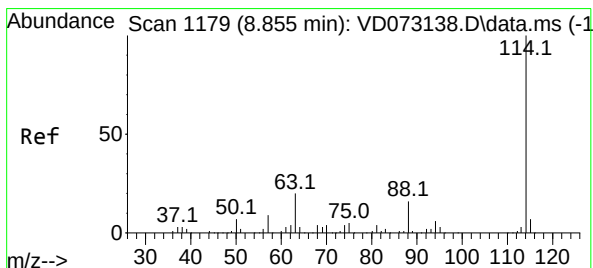
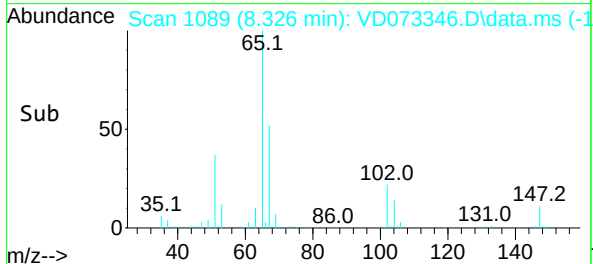
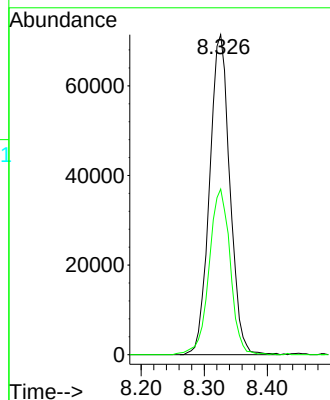
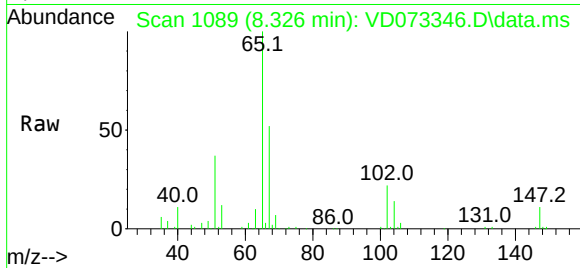
P014-SS003-0006-01

Tgt Ion: 65 Resp: 159393

Ion Ratio Lower Upper

65 100

67 53.8 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: VD073346.D

Acq: 25 May 2022 02:49

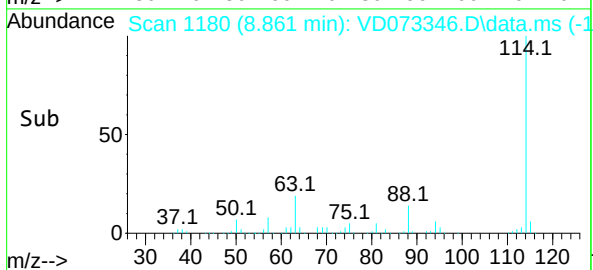
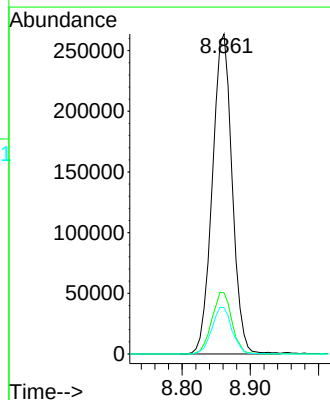
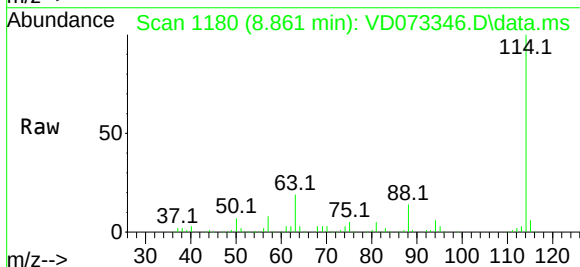
Tgt Ion: 114 Resp: 532412

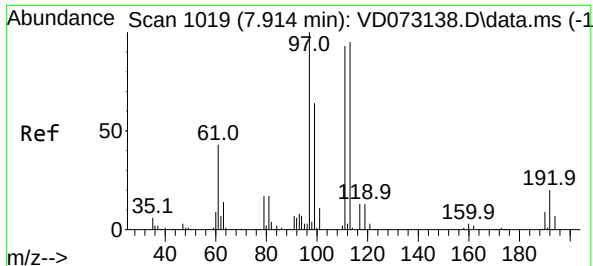
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 14.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.175 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD073346.D

Acq: 25 May 2022 02:49

Instrument :

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ClientSampleId :

P014-SS003-0006-01

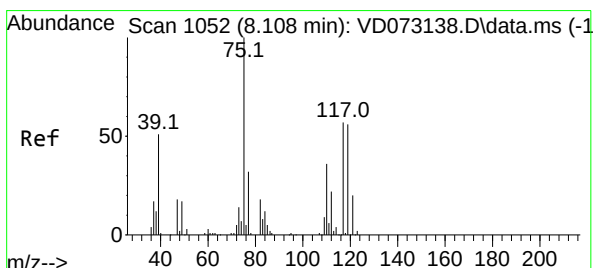
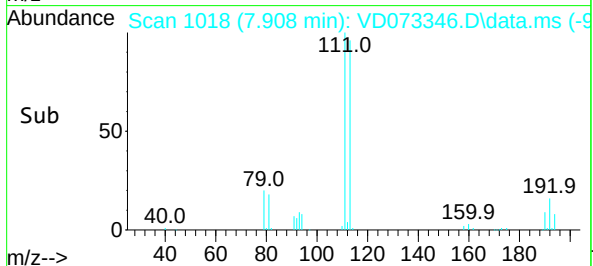
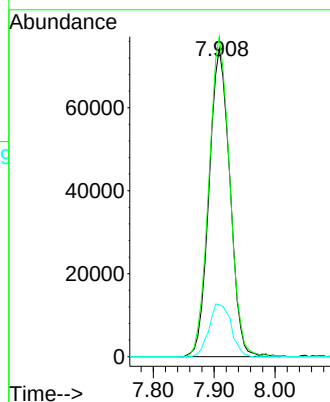
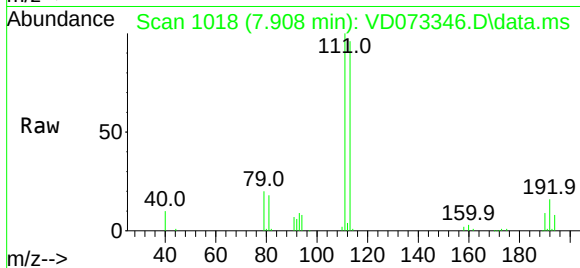
Tgt Ion:113 Resp: 176274

Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073346.D

Acq: 25 May 2022 02:49

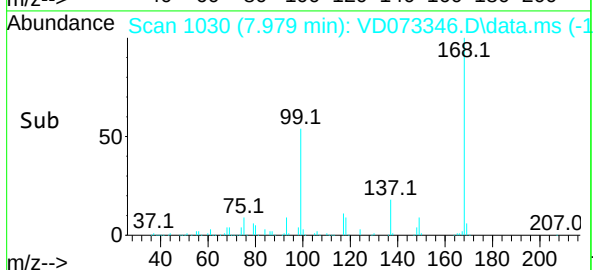
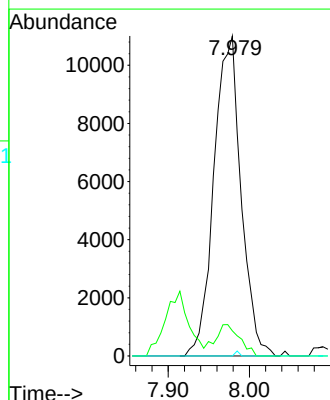
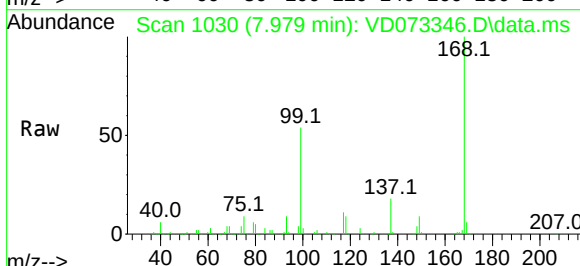
Tgt Ion: 75 Resp: 25501

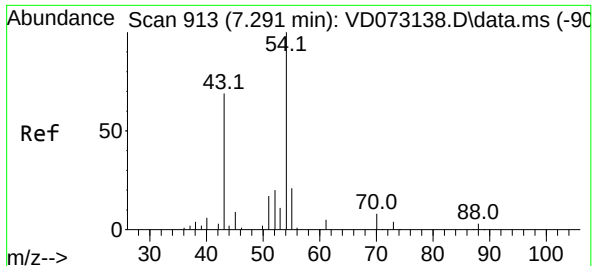
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.2 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.278 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.088 min

Lab File: VD073346.D

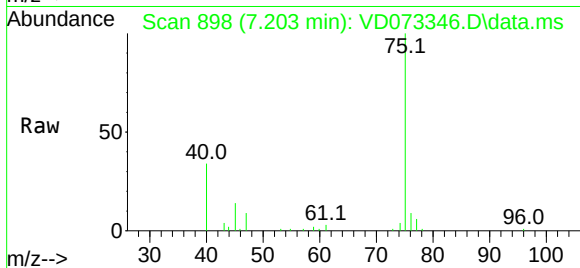
Acq: 25 May 2022 02:49

Instrument :

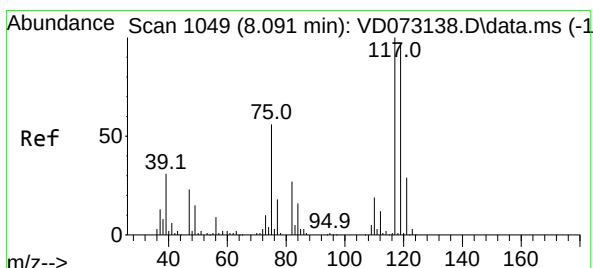
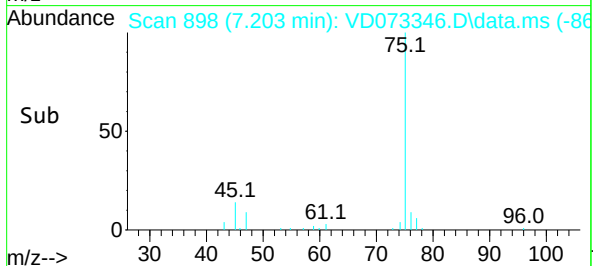
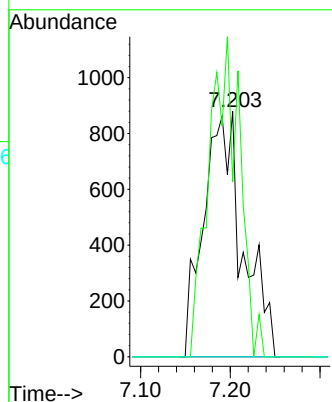
MSVOA_D

ClientSampleId :

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Tgt Ion:	43	Resp:	2667
Ion Ratio	Lower	Upper	
43	100		
61	52.0	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 6.010 ug/l

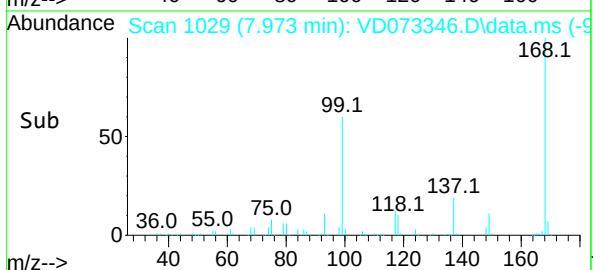
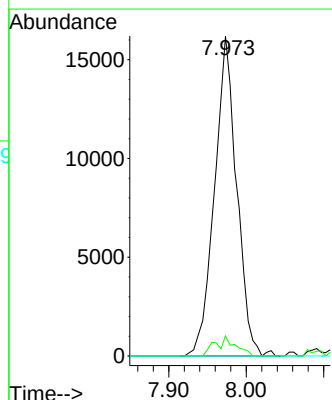
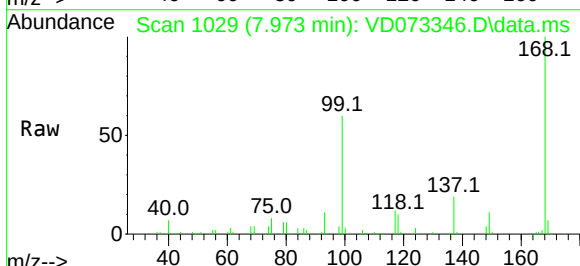
RT: 7.973 min Scan# 1029

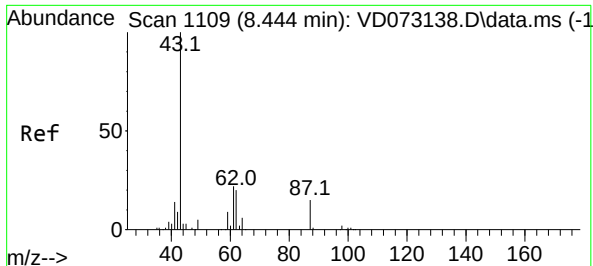
Delta R.T. -0.118 min

Lab File: VD073346.D

Acq: 25 May 2022 02:49

Tgt Ion:	117	Resp:	32190
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.8	113.6#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 1.068 ug/l

RT: 8.285 min Scan# 1109

Delta R.T. -0.159 min

Lab File: VD073346.D

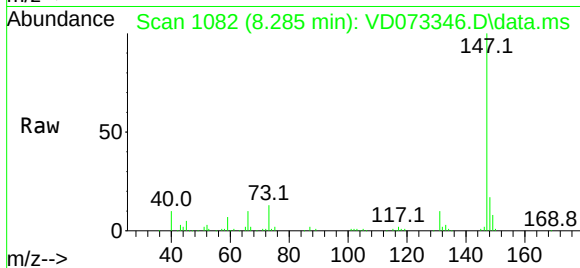
Acq: 25 May 2022 02:49

Instrument :

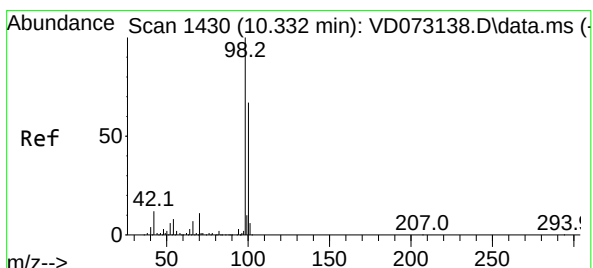
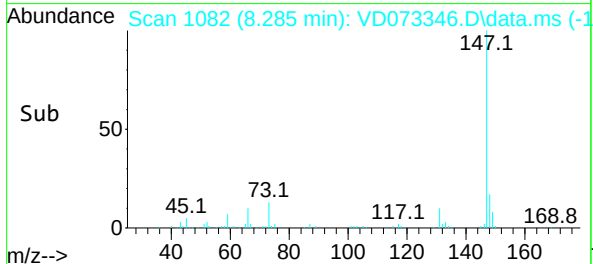
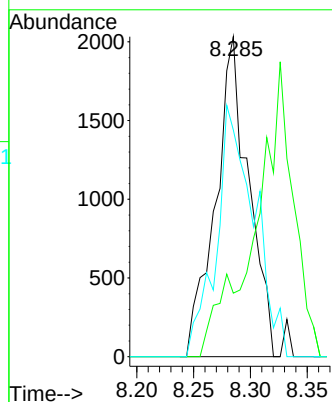
MSVOA_D

ClientSampleId :

P014-SS003-0006-01



Tgt Ion: 43	Resp: 4121
Ion Ratio	Lower Upper
43	100
61	15.1 22.4 33.6#
87	90.0 8.7 13.1#



#50

Toluene-d8

Concen: 49.350 ug/l

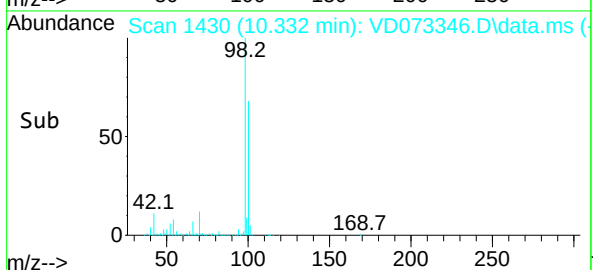
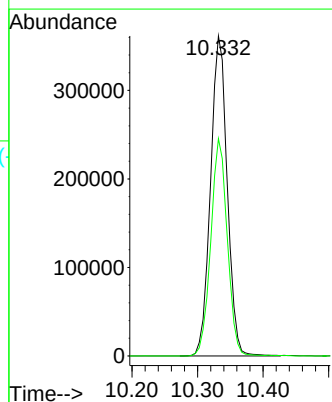
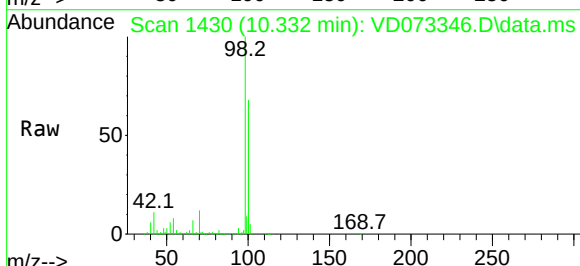
RT: 10.332 min Scan# 1430

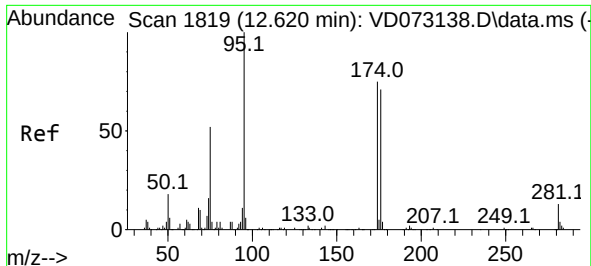
Delta R.T. -0.000 min

Lab File: VD073346.D

Acq: 25 May 2022 02:49

Tgt Ion: 98	Resp: 639115
Ion Ratio	Lower Upper
98	100
100	67.1 52.4 78.6

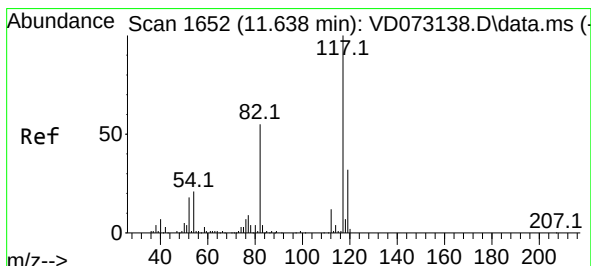
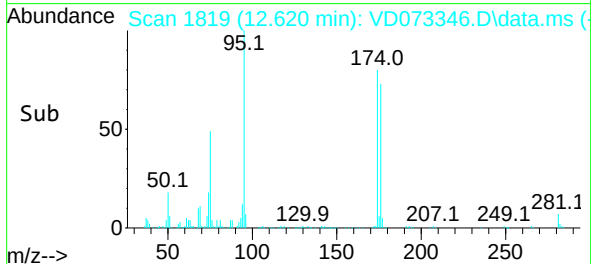
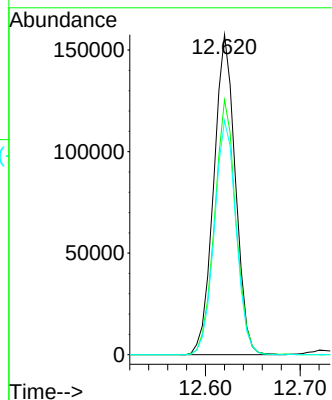
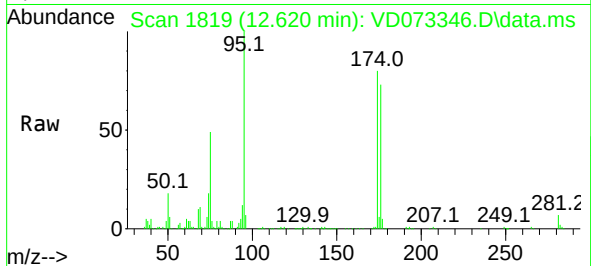




#62
4-Bromofluorobenzene
Concen: 54.977 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

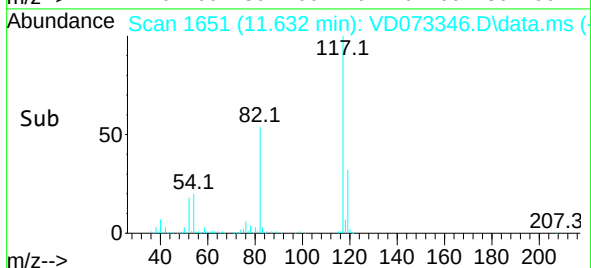
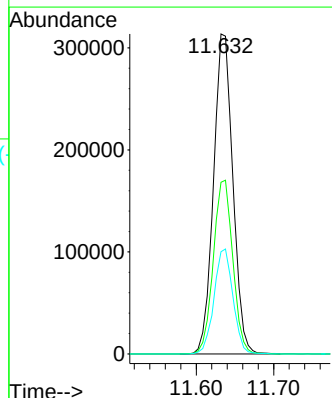
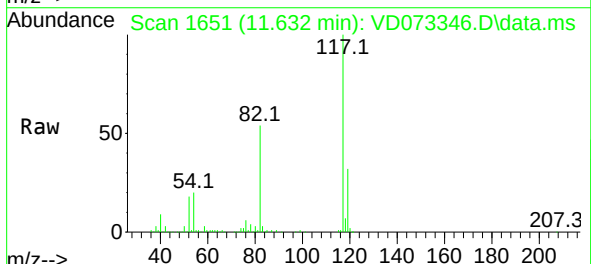
Instrument :
MSVOA_D
ClientSampleId :
P014-SS003-0006-01

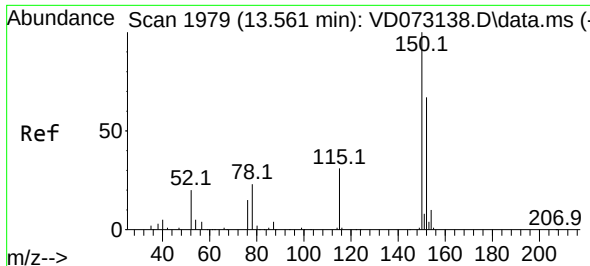
Tgt Ion: 95 Resp: 249865
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 73.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Tgt Ion: 117 Resp: 545746
Ion Ratio Lower Upper
117 100
82 53.6 45.3 67.9
119 32.0 26.6 40.0

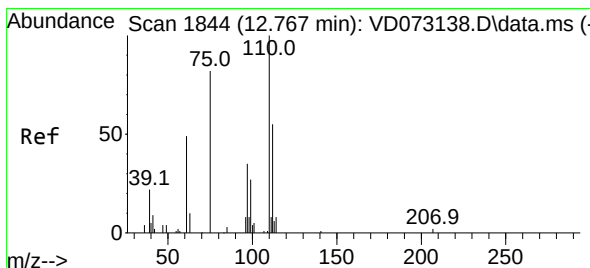
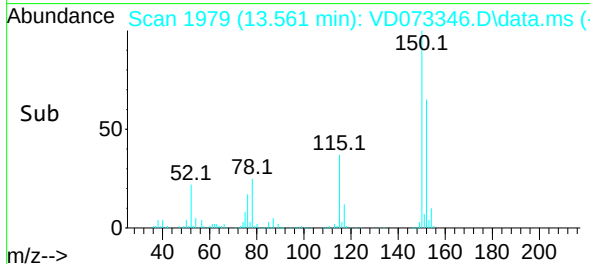
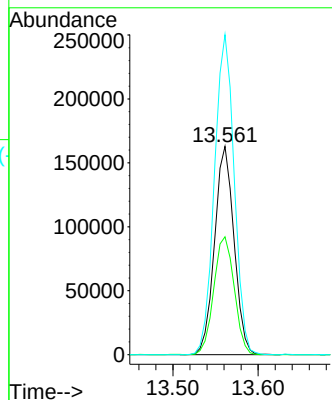
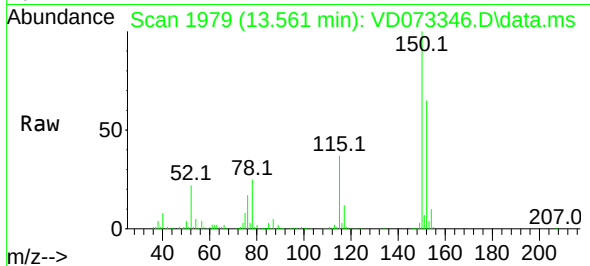




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073346.D
 Acq: 25 May 2022 02:49

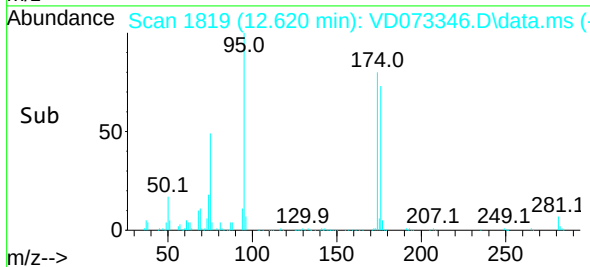
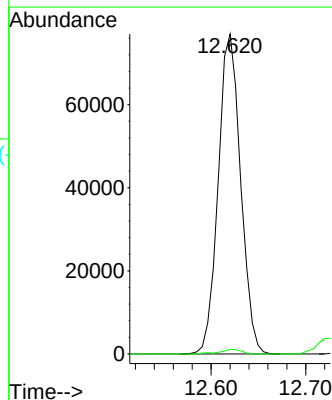
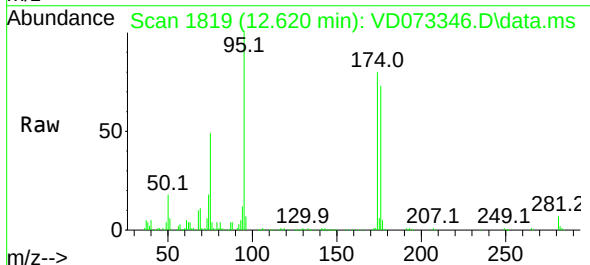
Instrument :
 MSVOA_D
 ClientSampleId :
 P014-SS003-0006-01

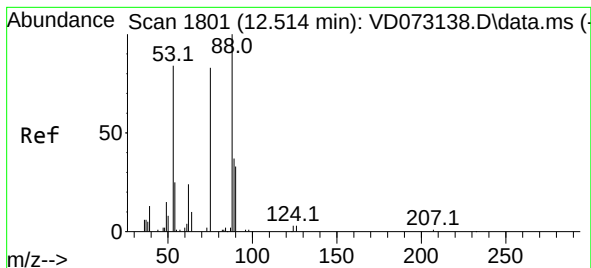
Tgt Ion:152 Resp: 258934
 Ion Ratio Lower Upper
 152 100
 115 59.3 31.3 93.8
 150 155.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.818 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073346.D
 Acq: 25 May 2022 02:49

Tgt Ion: 75 Resp: 126568
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

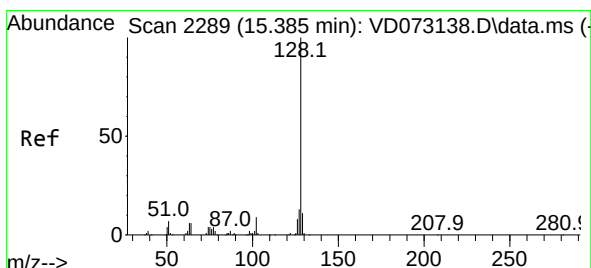
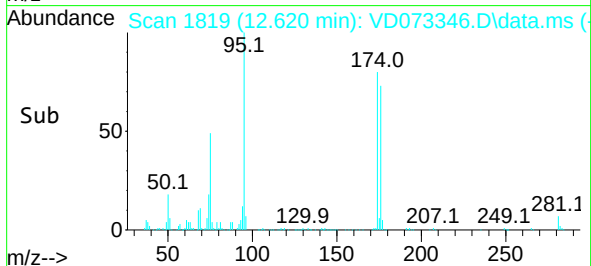
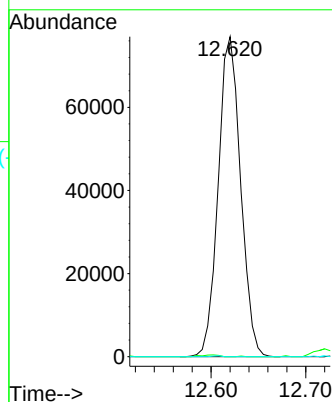
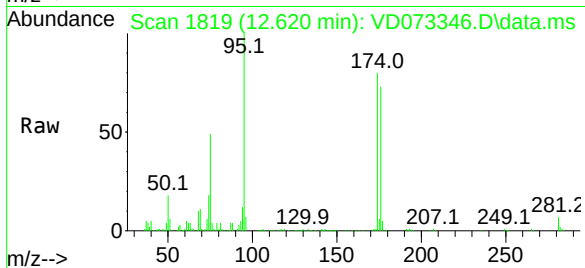




#81
trans-1,4-Dichloro-2-butene
Concen: 119.599 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Instrument :
MSVOA_D
ClientSampleId :
P014-SS003-0006-01

Tgt Ion: 75 Resp: 126568
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.587 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073346.D
Acq: 25 May 2022 02:49

Tgt Ion: 128 Resp: 414
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

