

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073659.D
 Acq On : 22 Jun 2022 17:19
 Operator : VA/SY
 Sample : N3421-04
 Misc : 3.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-0-2-20220620

Quant Time: Jun 23 09:29:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 05:24:45 2022
 Response via : Initial Calibration

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

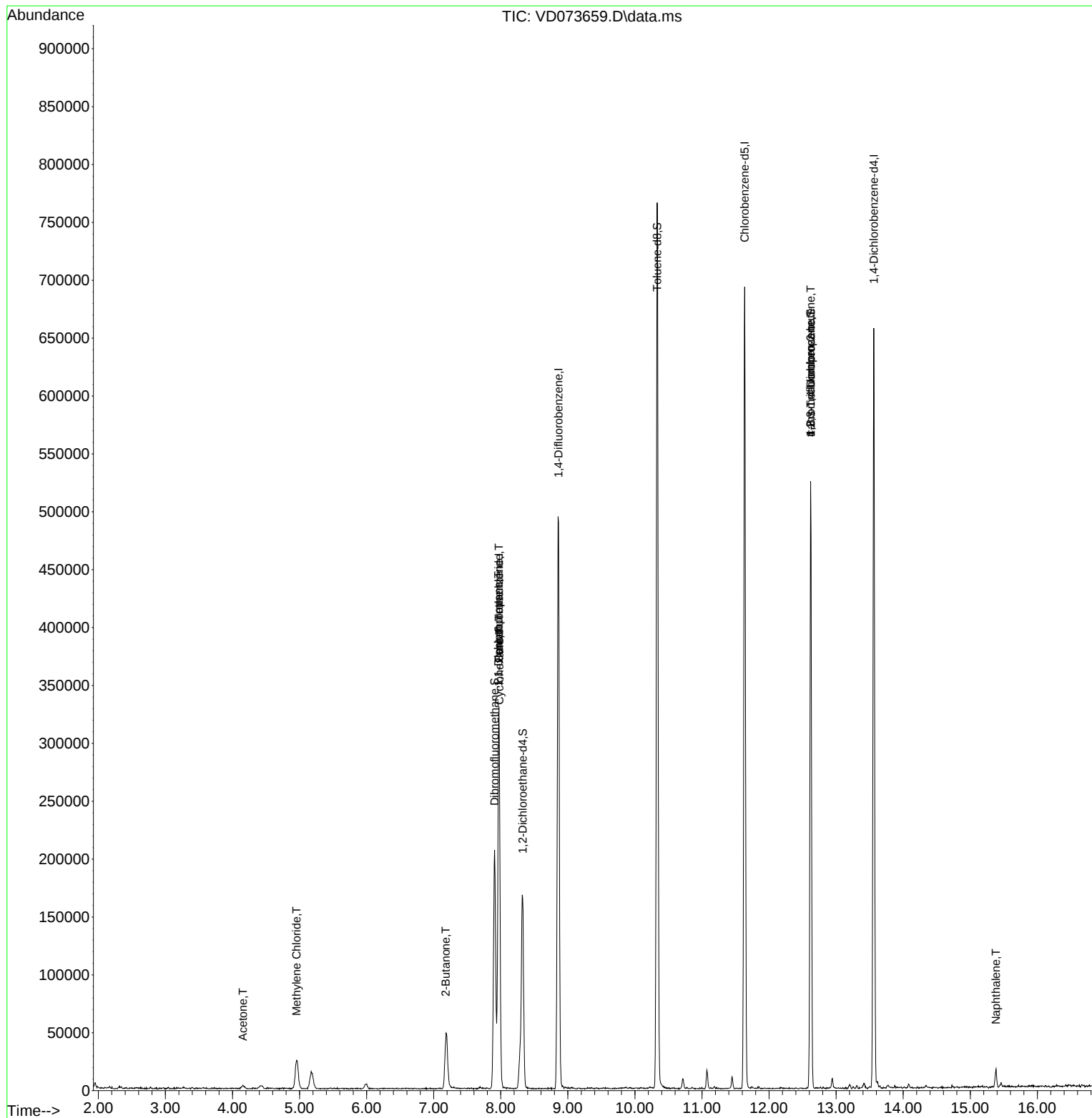
Internal Standards						
1) Pentafluorobenzene	7.973	168	237373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	435194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	401562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	177821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139343	51.018	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.040%	
35) Dibromofluoromethane	7.908	113	145246	46.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.020%	
50) Toluene-d8	10.332	98	518286	45.867	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.740%	
62) 4-Bromofluorobenzene	12.620	95	166165	40.098	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	631	Below Cal	#	40
5) Bromomethane	2.773	94	571	Below Cal		82
11) Tert butyl alcohol	5.173	59	6673	Below Cal	#	76
16) Acetone	4.156	43	5155	11.872	ug/l	90
18) Methyl Acetate	4.432	43	145	Below Cal	#	48
20) Methylene Chloride	4.956	84	20359	1.991	ug/l #	92
25) 2-Butanone	7.179	43	1488	2.354	ug/l #	81
31) Cyclohexane	7.979	56	5537	1.332	ug/l #	42
36) 1,1-Dichloropropene	7.967	75	19066	4.312	ug/l #	50
38) Carbon Tetrachloride	7.973	117	26048	5.186	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	84036	48.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	84036	112.687	ug/l #	14
95) Naphthalene	15.384	128	13449	4.716	ug/l	99

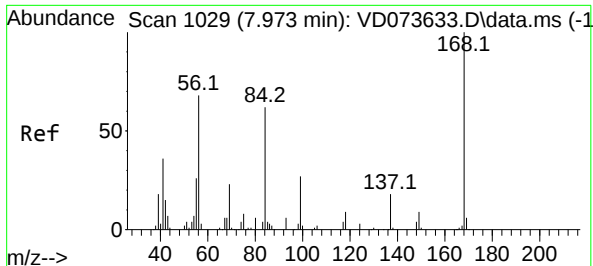
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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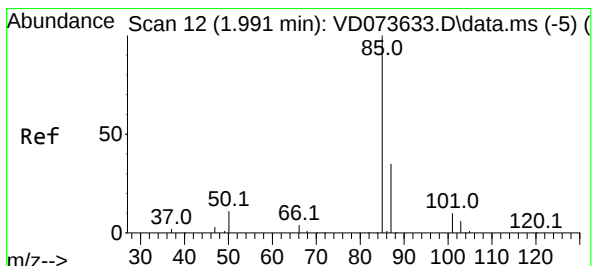
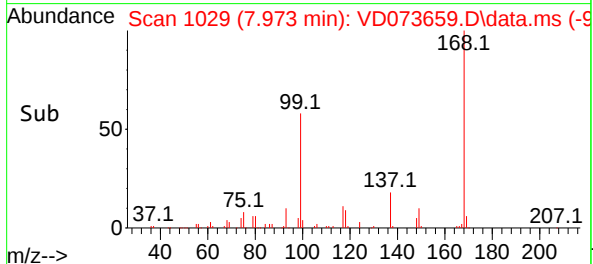
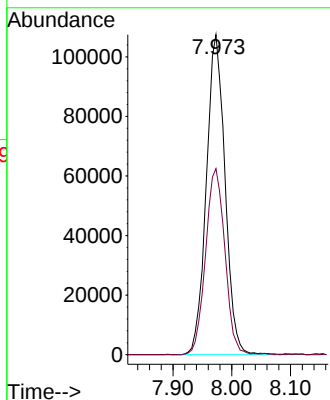
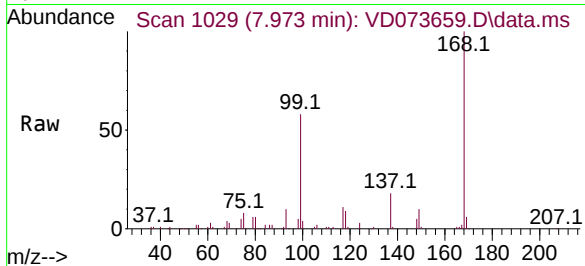




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

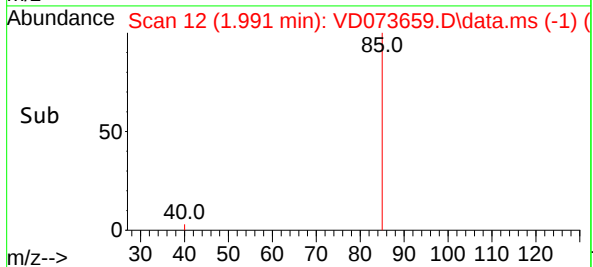
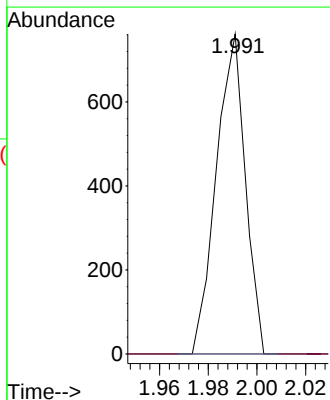
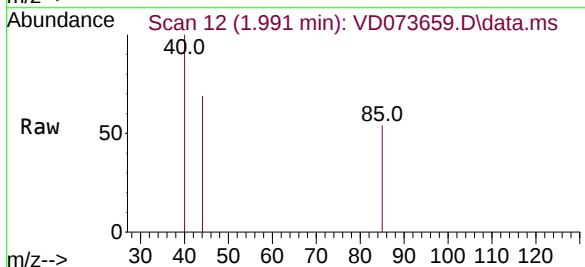
Instrument :
MSVOA_D
ClientSampleId :
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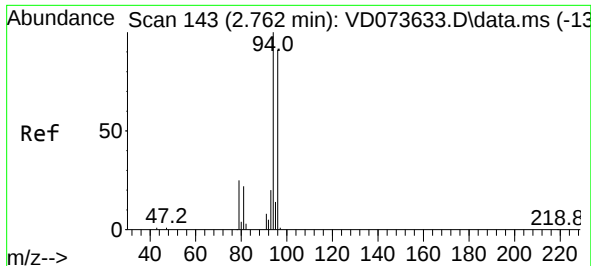
Tgt Ion:168 Resp: 237373
Ion Ratio Lower Upper
168 100
99 58.1 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 85 Resp: 631
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

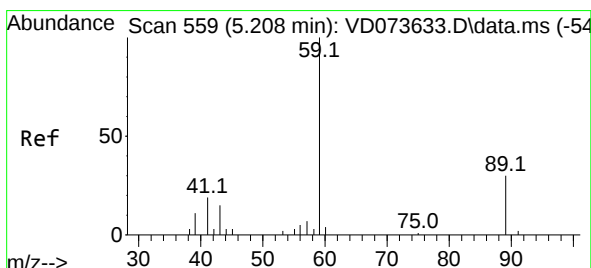
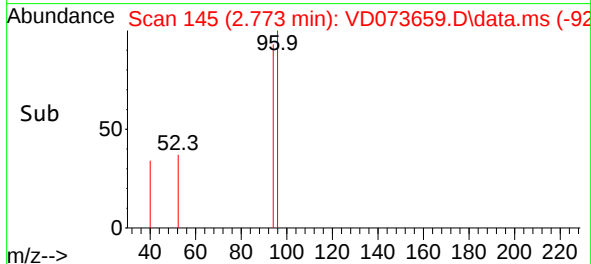
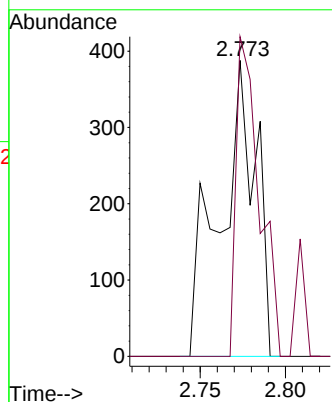
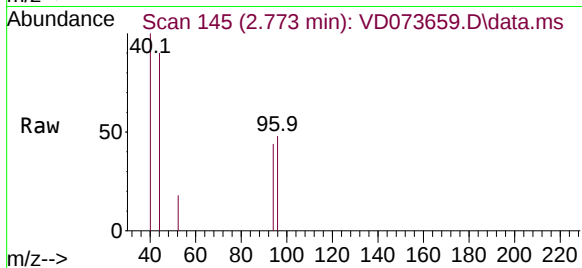




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

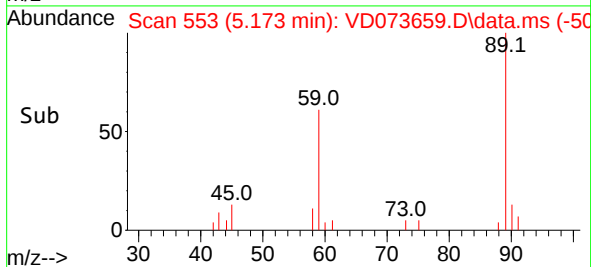
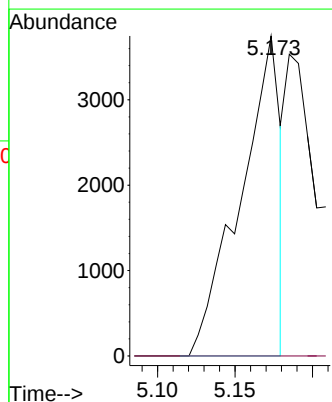
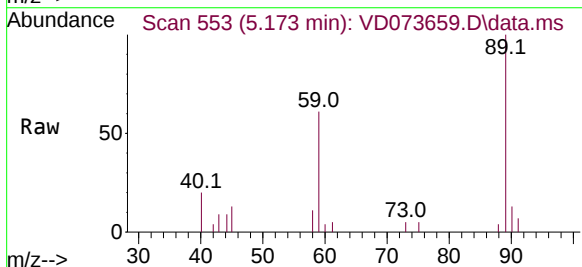
Instrument :
MSVOA_D
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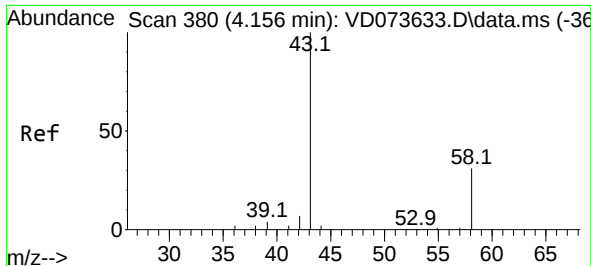
Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 108.0 72.6 108.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.035 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 59 Resp: 6673
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

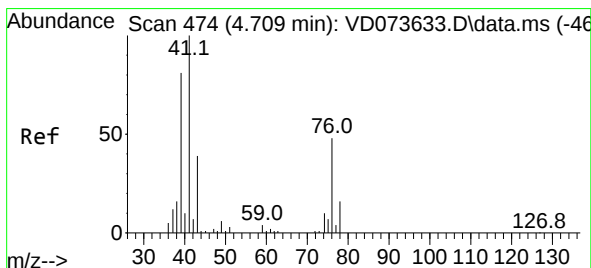
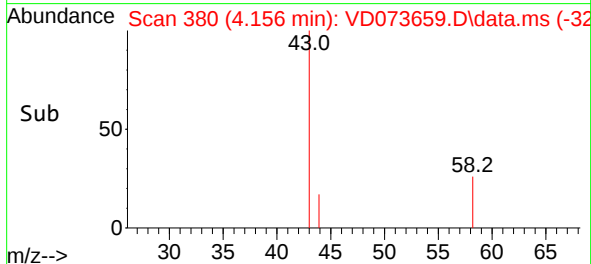
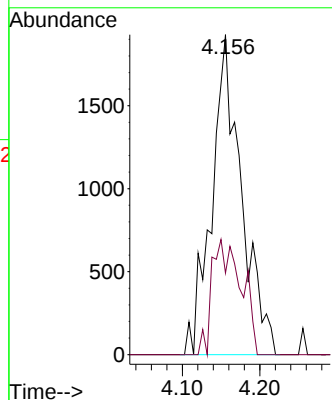
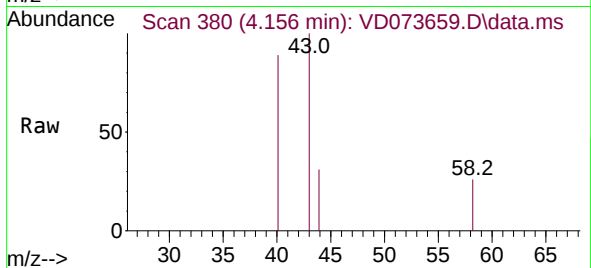




#16
Acetone
Concen: 11.872 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

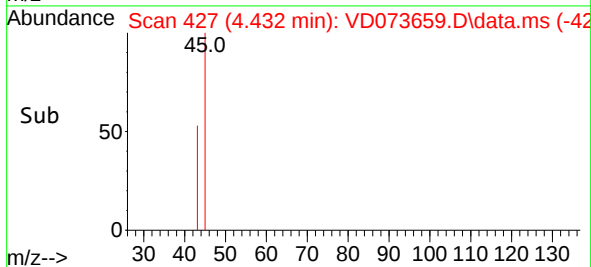
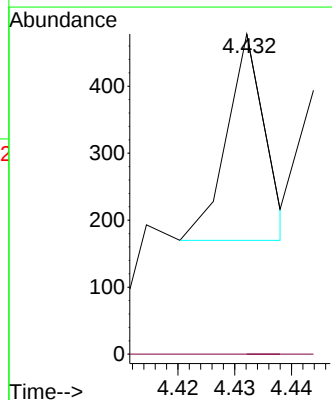
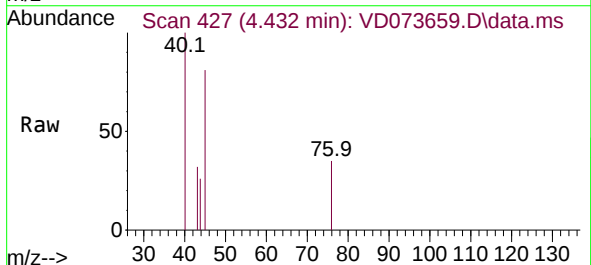
Instrument :
MSVOA_D
ClientSampleId :
SB-3-0-2-20220620

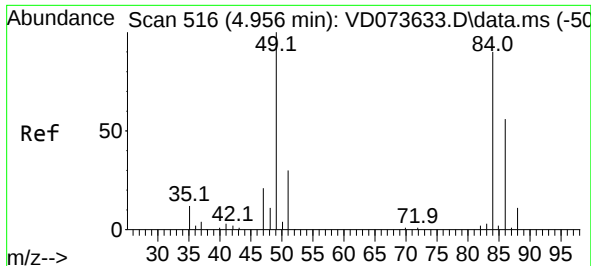
Tgt Ion: 43 Resp: 5155
Ion Ratio Lower Upper
43 100
58 25.5 25.0 37.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.432 min Scan# 427
Delta R.T. -0.277 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

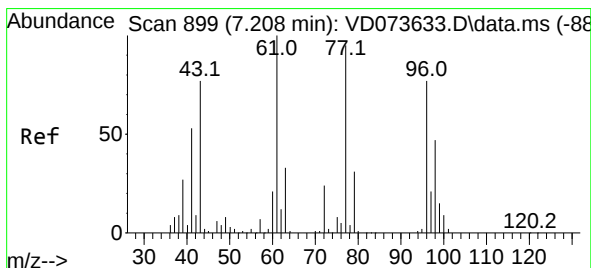
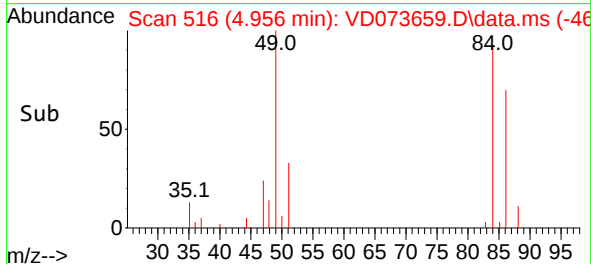
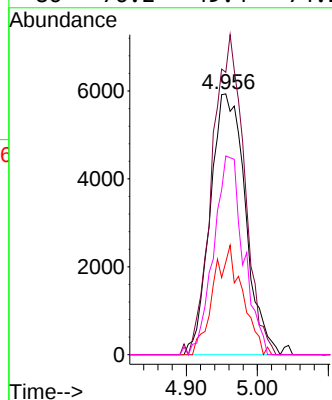
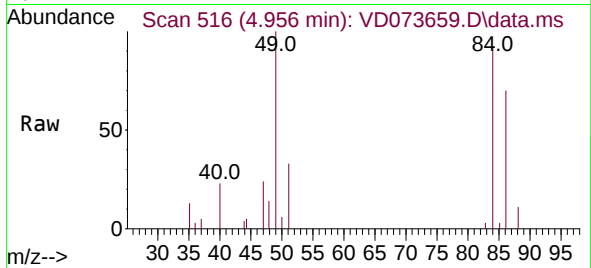




#20
Methylene Chloride
Concen: 1.991 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

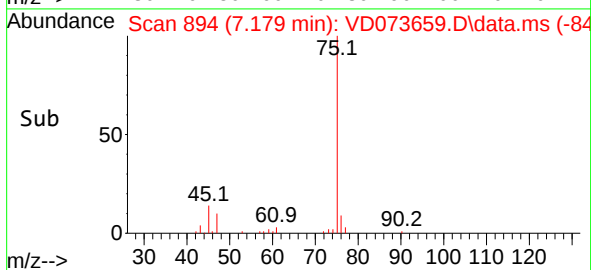
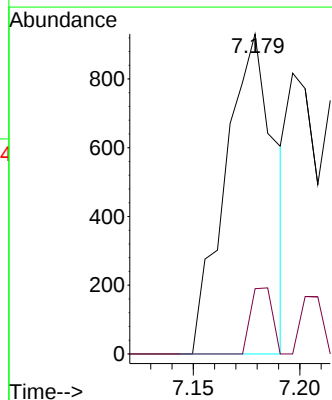
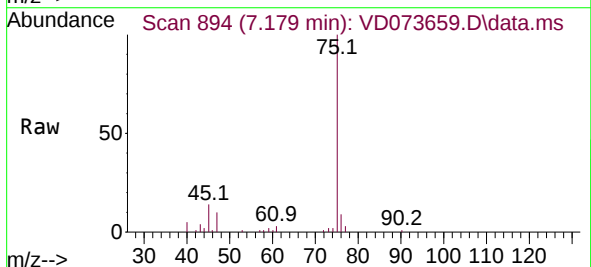
Instrument :
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ClientSampleId :
SB-3-0-2-20220620

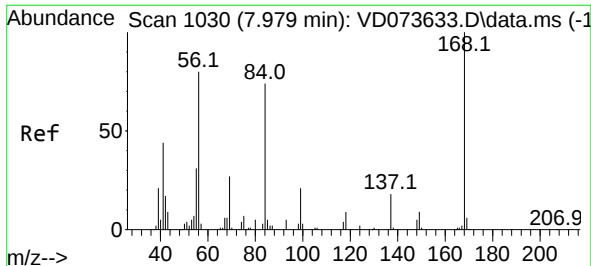
Tgt Ion:	84	Resp:	20359
Ion	Ratio	Lower	Upper
84	100		
49	108.3	89.0	133.6
51	35.6	26.7	40.1
86	76.2	49.4	74.2#



#25
2-Butanone
Concen: 2.354 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

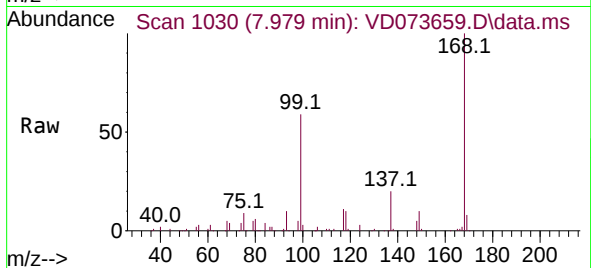
Tgt Ion:	43	Resp:	1488
Ion	Ratio	Lower	Upper
43	100		
72	20.4	24.7	37.1#



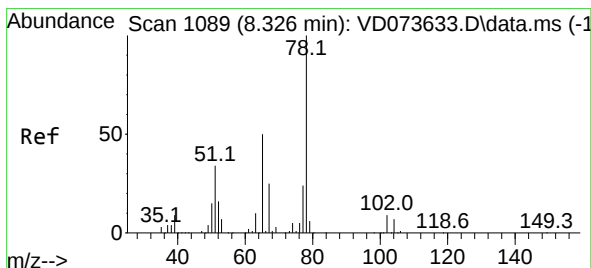
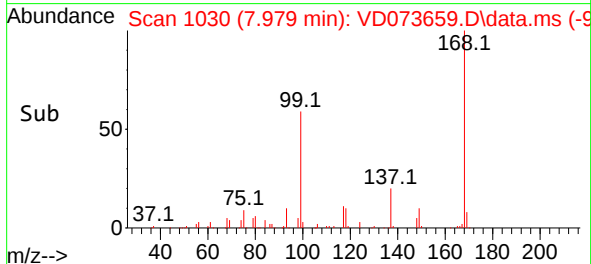
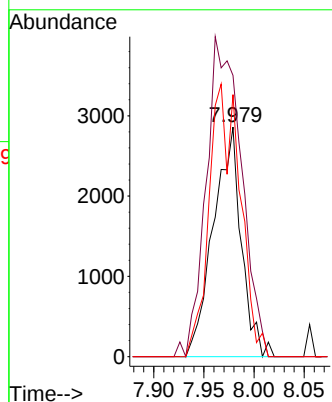


#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :
SB-3-0-2-20220620

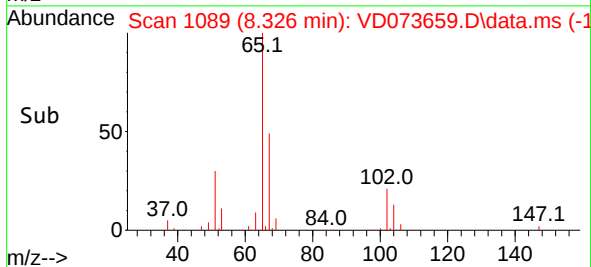
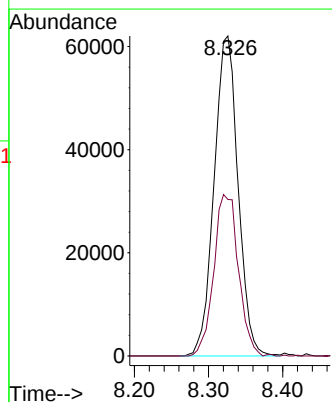
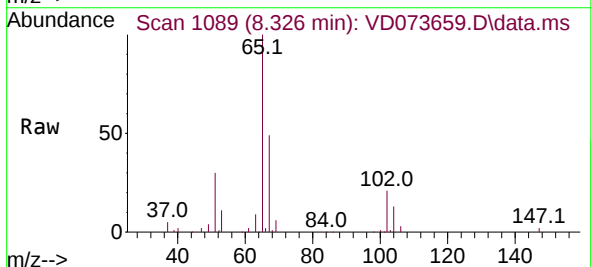


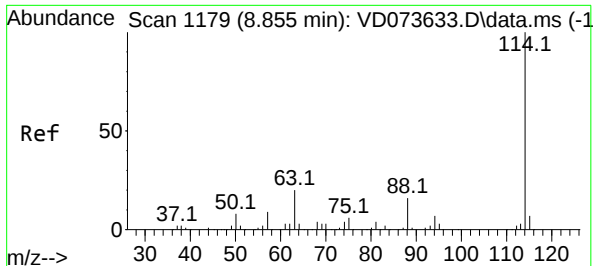
Tgt Ion: 56 Resp: 5537
Ion Ratio Lower Upper
56 100
69 122.5 26.9 40.3#
84 114.1 73.8 110.8#



#33
1,2-Dichloroethane-d4
Concen: 51.018 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 65 Resp: 139343
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073659.D

Acq: 22 Jun 2022 17:19

Instrument :

MSVOA_D

ClientSampleId :

SB-3-0-2-20220620

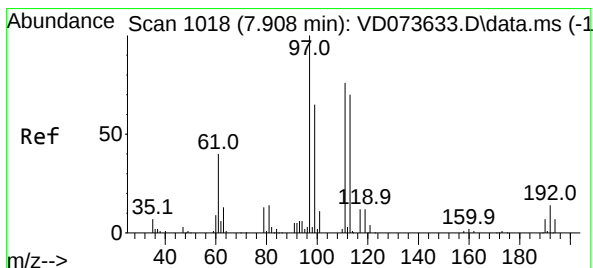
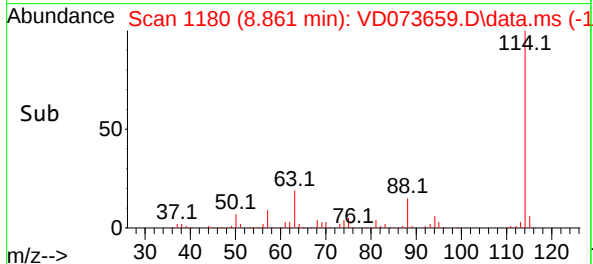
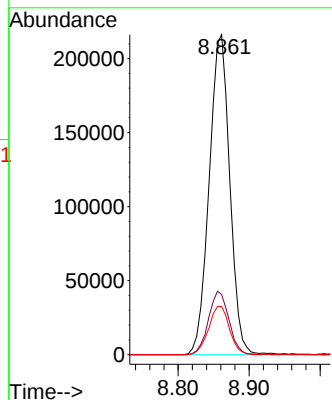
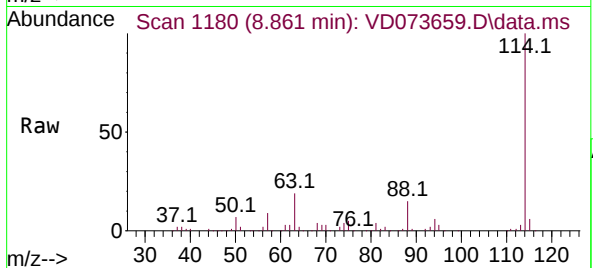
Tgt Ion:114 Resp: 435194

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.006 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073659.D

Acq: 22 Jun 2022 17:19

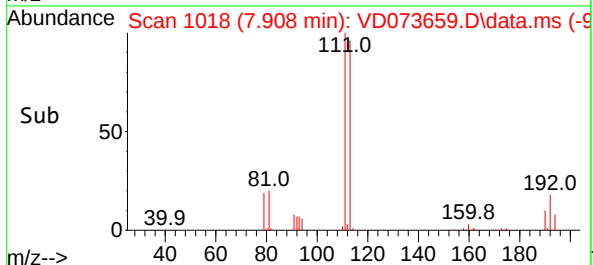
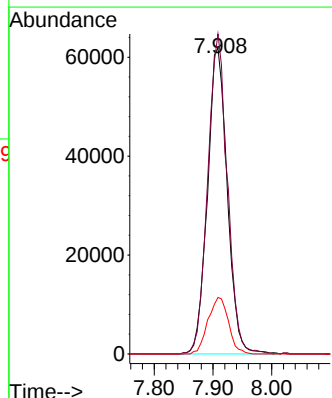
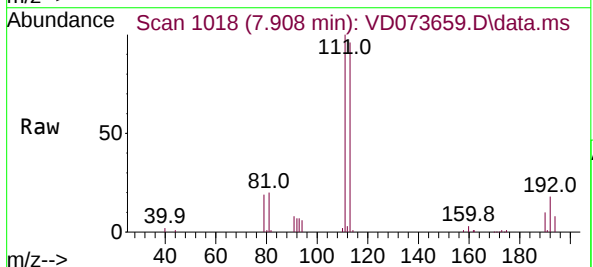
Tgt Ion:113 Resp: 145246

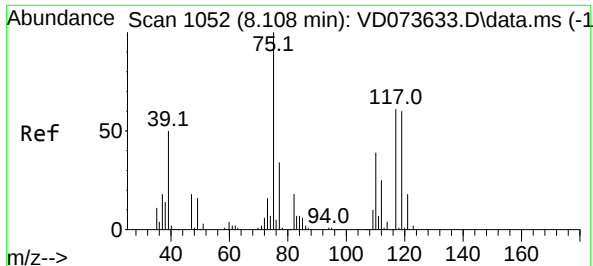
Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 19.1 14.3 21.5

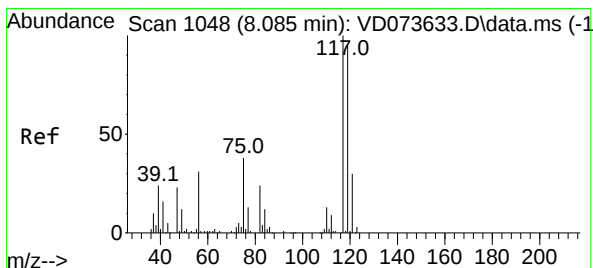
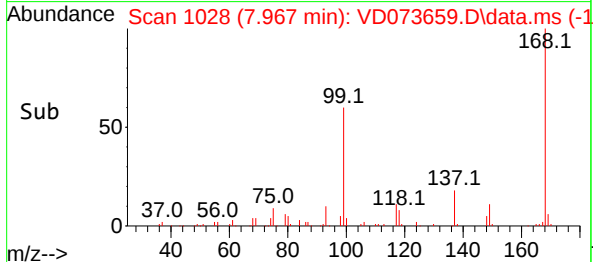
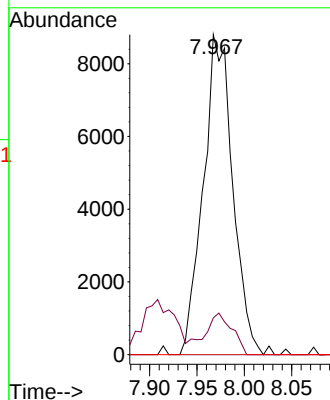
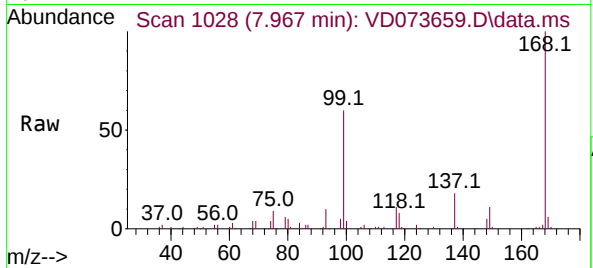




#36
1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

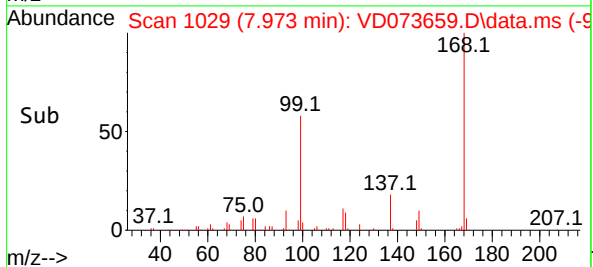
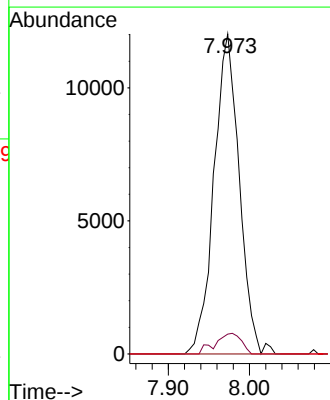
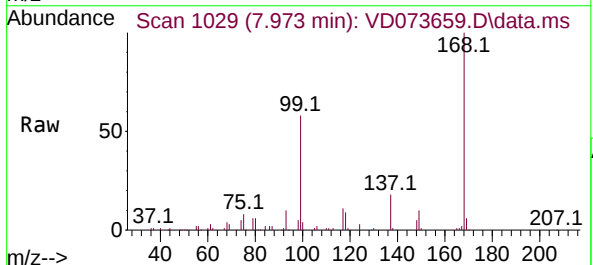
Instrument :
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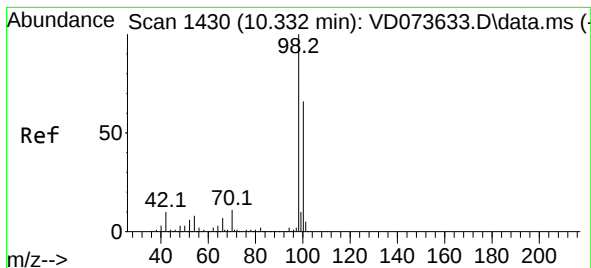
Tgt Ion: 75 Resp: 19066
Ion Ratio Lower Upper
75 100
110 10.8 18.4 55.4#
77 0.0 25.7 38.5#



#38
Carbon Tetrachloride
Concen: 5.186 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.112 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion: 117 Resp: 26048
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 45.867 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073659.D

Acq: 22 Jun 2022 17:19

Instrument :

MSVOA_D

ClientSampleId :

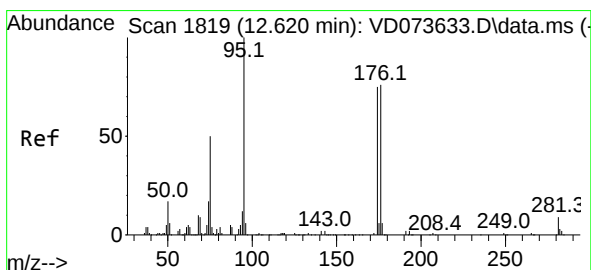
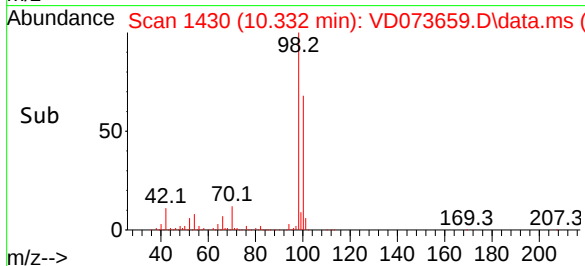
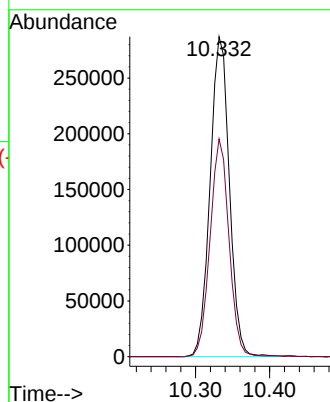
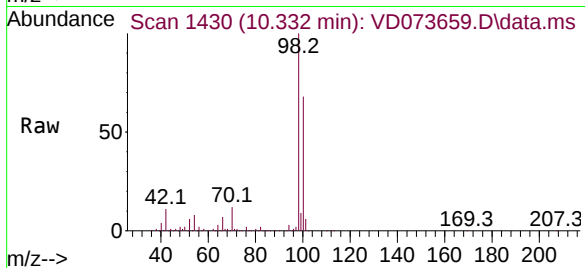
SB-3-0-2-20220620

Tgt Ion: 98 Resp: 518286

Ion Ratio Lower Upper

98 100

100 66.9 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 40.098 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073659.D

Acq: 22 Jun 2022 17:19

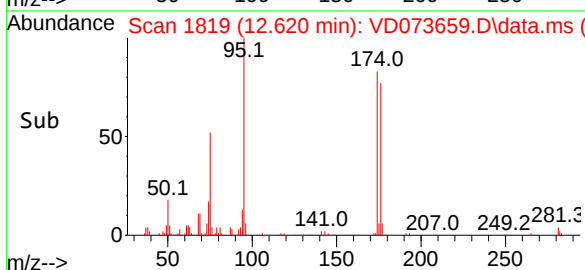
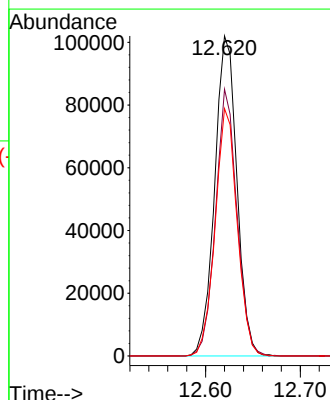
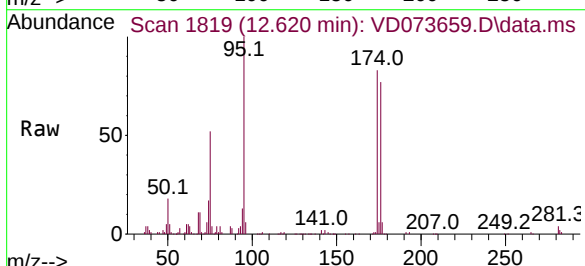
Tgt Ion: 95 Resp: 166165

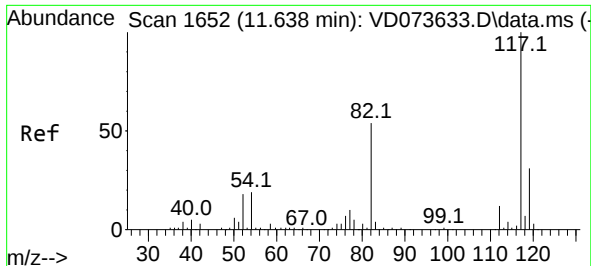
Ion Ratio Lower Upper

95 100

174 80.3 0.0 156.4

176 76.5 0.0 151.8

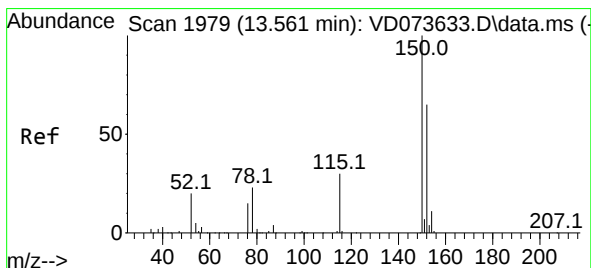
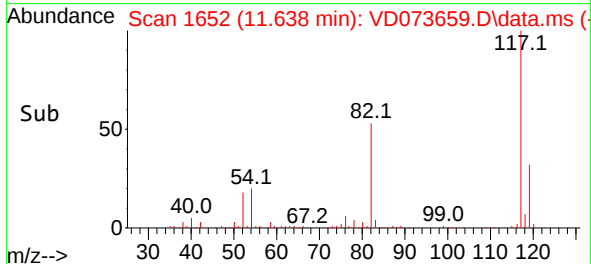
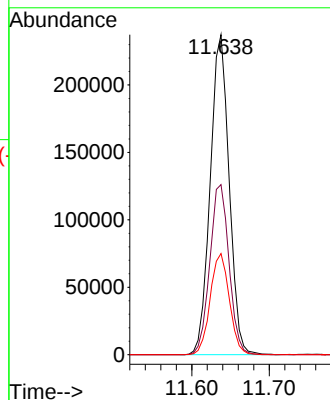
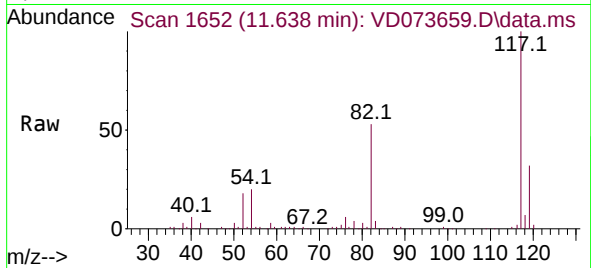




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

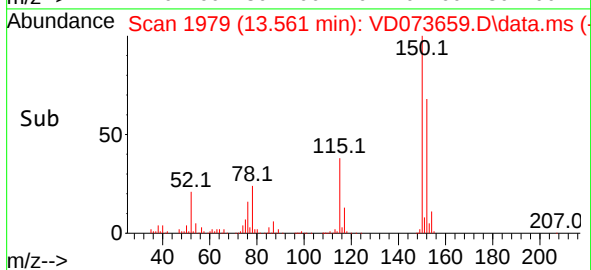
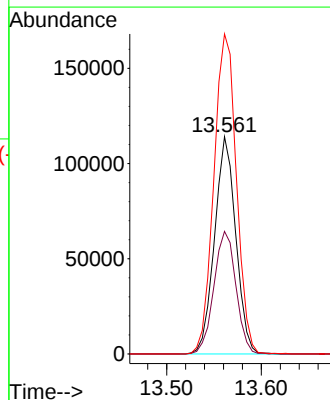
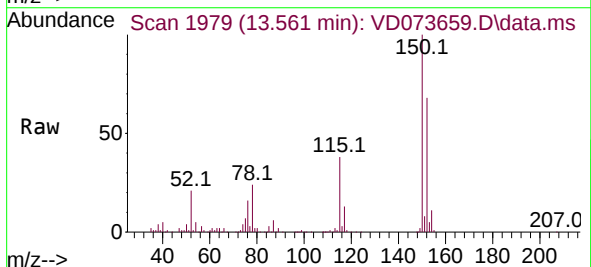
Instrument :
MSVOA_D
ClientSampleId :
SB-3-0-2-20220620

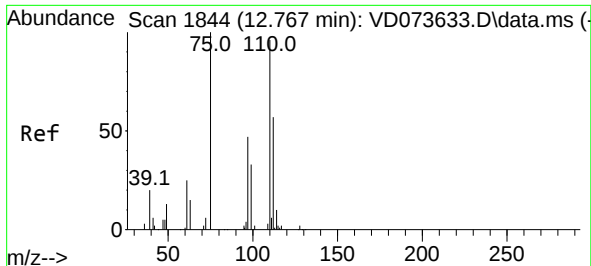
Tgt Ion:117 Resp: 401562
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.6 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Tgt Ion:152 Resp: 177821
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.9
150 156.3 0.0 351.2

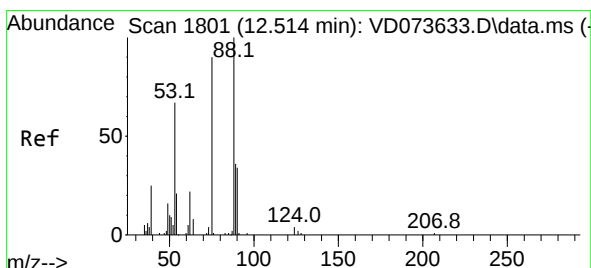
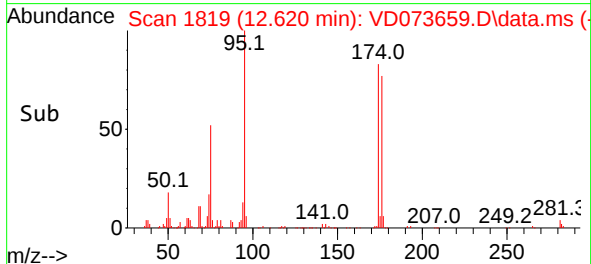
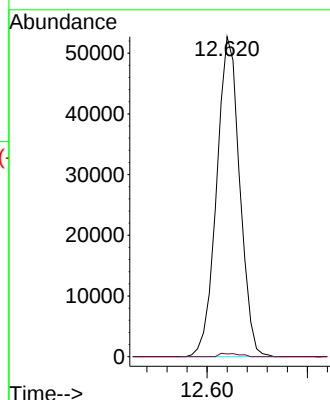
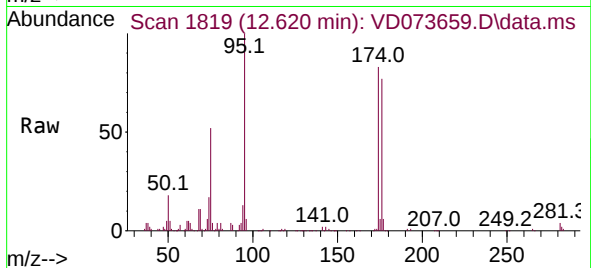




#76
1,2,3-Trichloropropane
Concen: 48.829 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

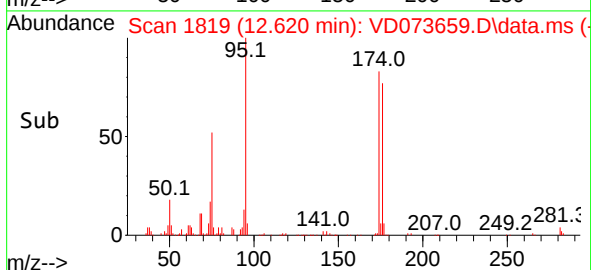
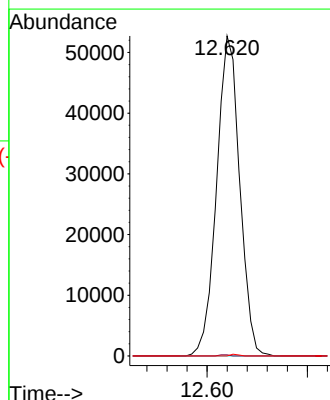
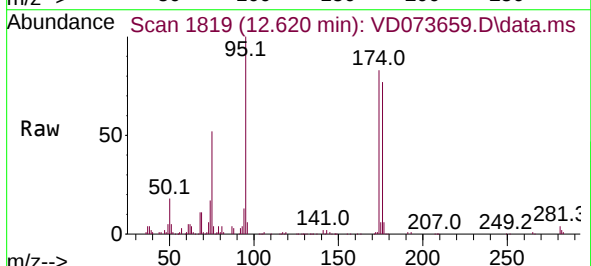
Instrument :
MSVOA_D
ClientSampleId :
SB-3-0-2-20220620

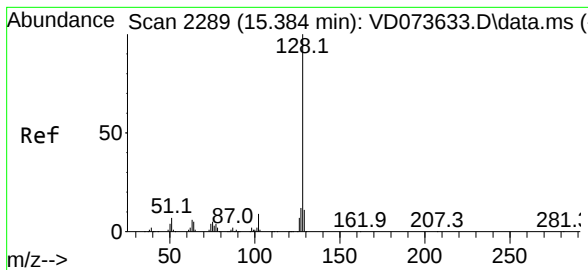
Tgt Ion: 75 Resp: 84036
Ion Ratio Lower Upper
75 100
77 0.9 208.9 626.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.687 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

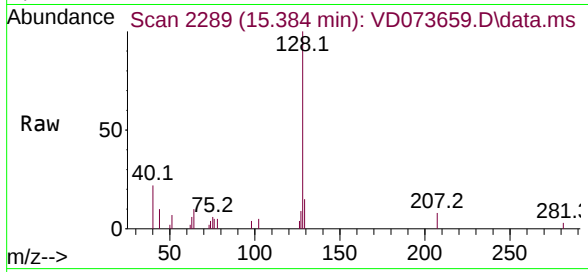
Tgt Ion: 75 Resp: 84036
Ion Ratio Lower Upper
75 100
53 0.1 70.5 105.7#
89 0.2 35.8 53.8#





#95
Naphthalene
Concen: 4.716 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073659.D
Acq: 22 Jun 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :
SB-3-0-2-20220620



Tgt Ion:	128	Resp:	13449
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	9.0	13.6

