

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073657.D
 Acq On : 22 Jun 2022 16:21
 Operator : VA/SY
 Sample : N3421-02
 Misc : 4.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-7-9-20220620

Quant Time: Jun 23 09:28:32 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)

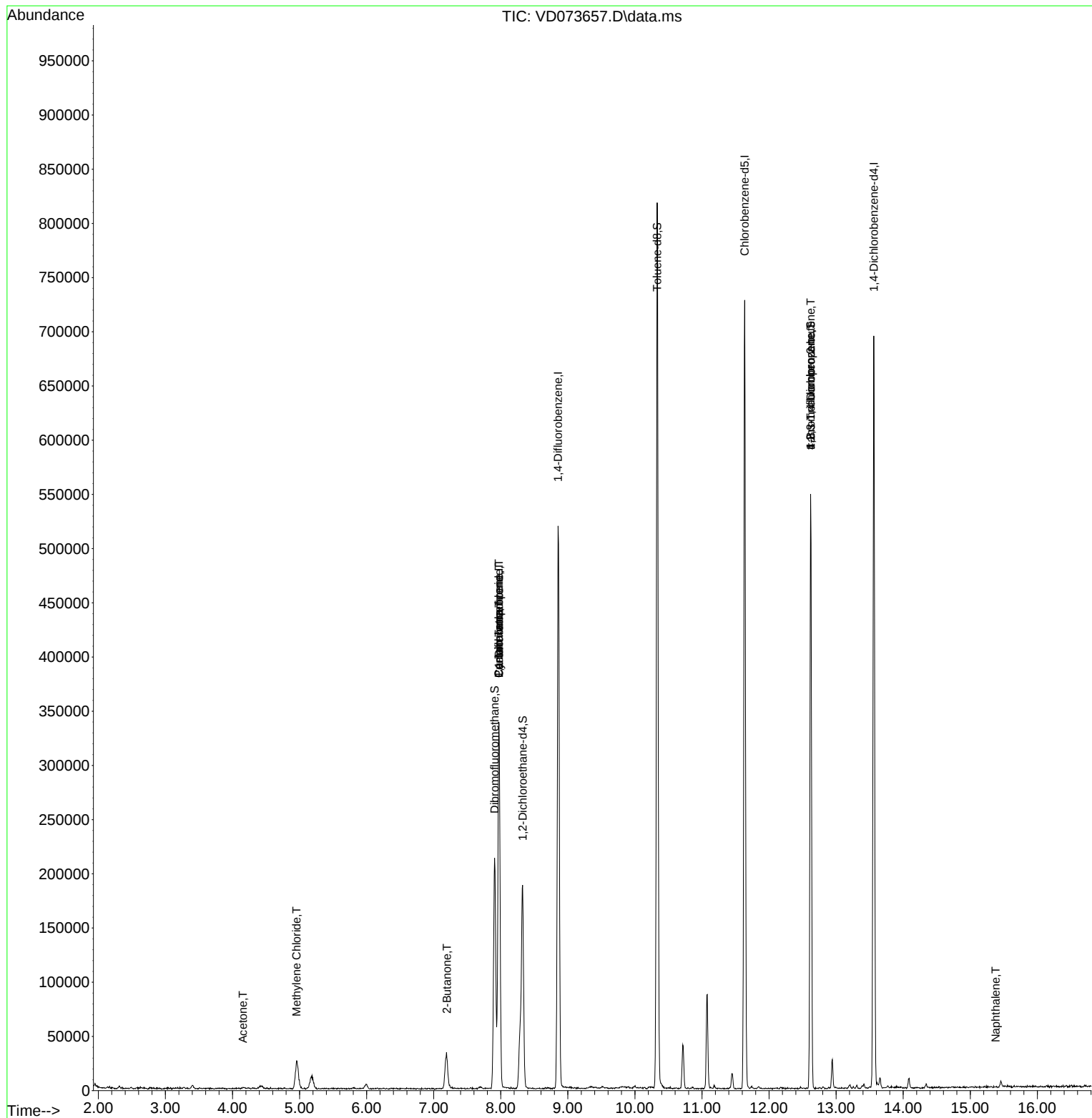
Internal Standards						
1) Pentafluorobenzene	7.973	168	248371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	453463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	419502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	187685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	146690	51.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.660%	
35) Dibromofluoromethane	7.908	113	150905	45.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.740%	
50) Toluene-d8	10.332	98	548851	46.615	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.220%	
62) 4-Bromofluorobenzene	12.620	95	172911	40.045	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.979	85	703	Below Cal	#	40
5) Bromomethane	2.773	94	476	Below Cal	#	79
11) Tert butyl alcohol	5.173	59	5653	Below Cal	#	76
16) Acetone	4.155	43	2314	5.093	ug/l	91
18) Methyl Acetate	4.750	43	60	Below Cal	#	48
20) Methylene Chloride	4.955	84	19786	1.421	ug/l	97
25) 2-Butanone	7.196	43	1644	2.486	ug/l #	44
31) Cyclohexane	7.973	56	6054	1.392	ug/l #	48
36) 1,1-Dichloropropene	7.973	75	20433	4.434	ug/l #	49
38) Carbon Tetrachloride	7.973	117	26957	5.151	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	89750	49.408	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	89750	114.024	ug/l #	14
95) Naphthalene	15.378	128	255	2.723	ug/l #	69

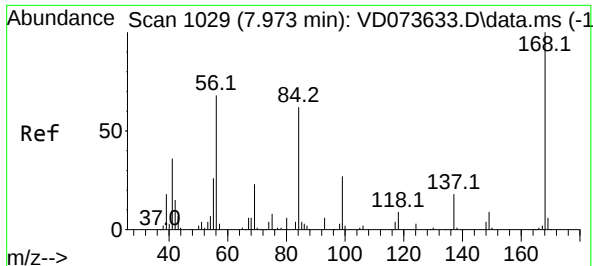
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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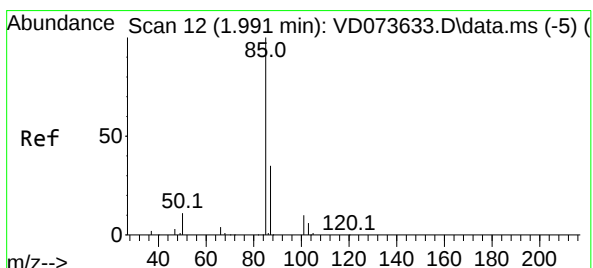
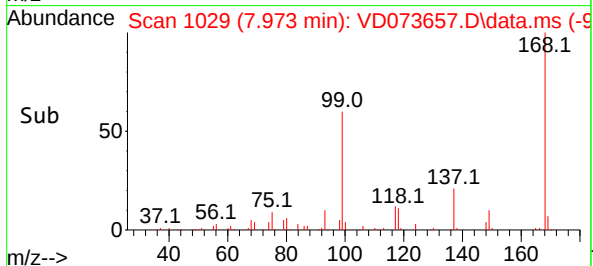
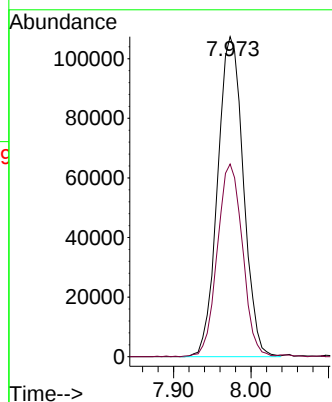
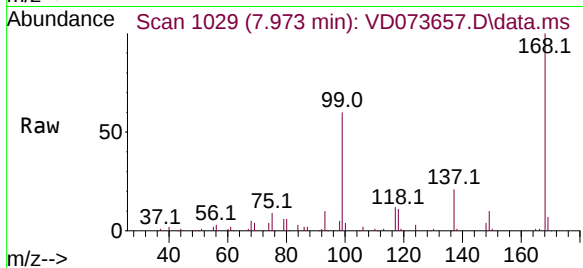




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

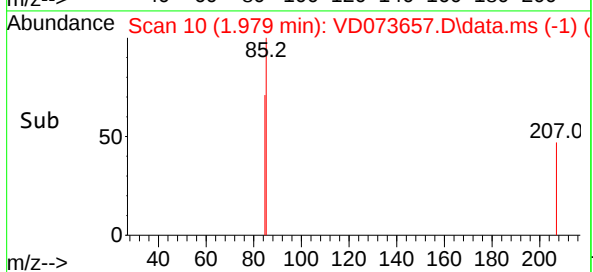
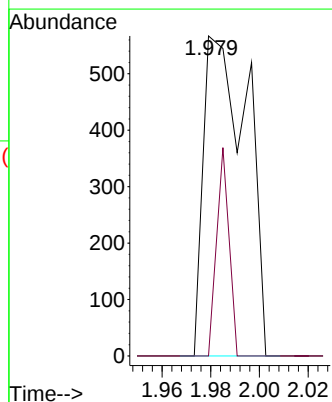
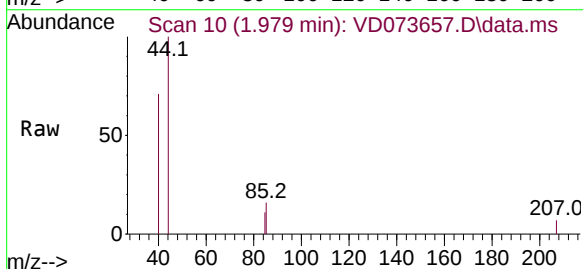
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

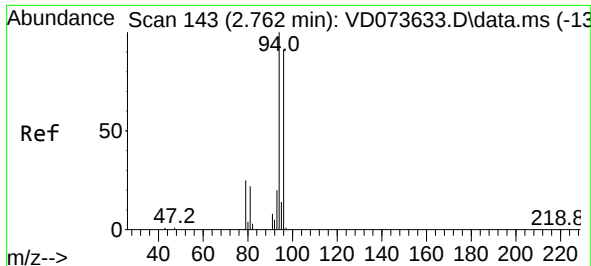
Tgt Ion:168 Resp: 248371
Ion Ratio Lower Upper
168 100
99 60.2 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 85 Resp: 703
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

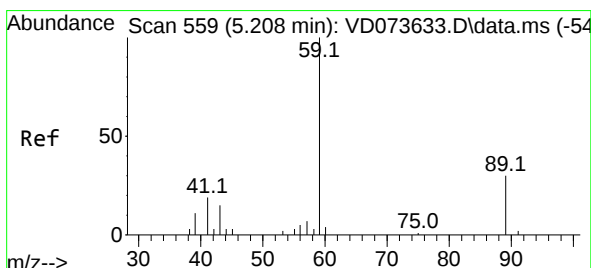
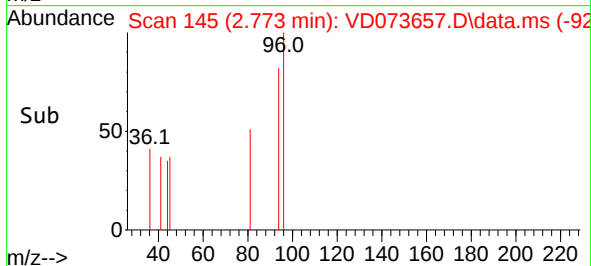
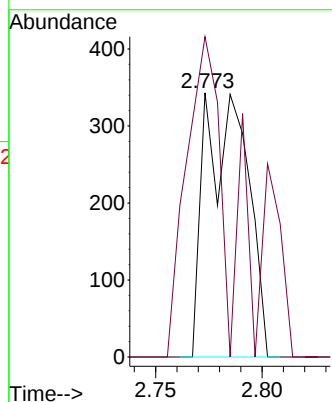
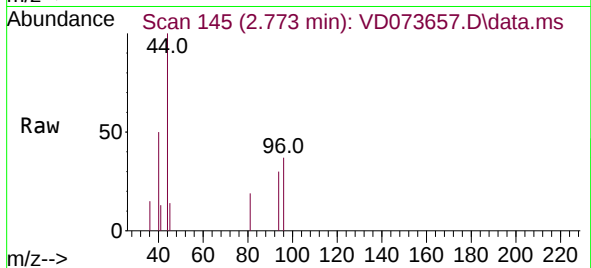




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 143
Delta R.T. 0.011 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

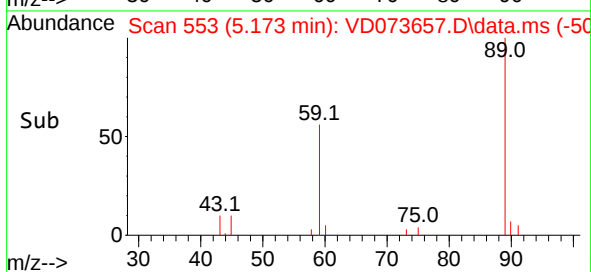
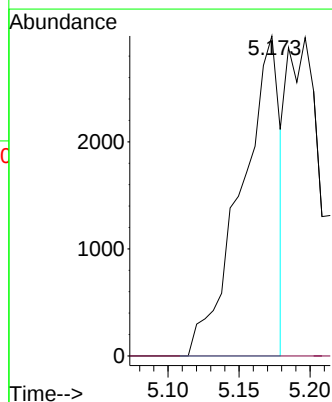
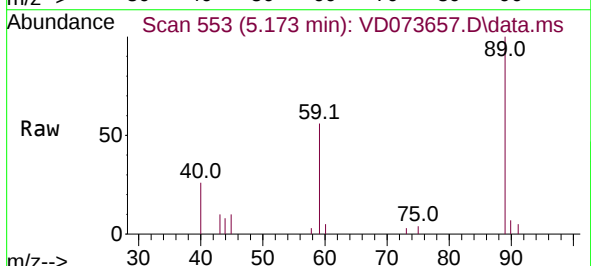
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

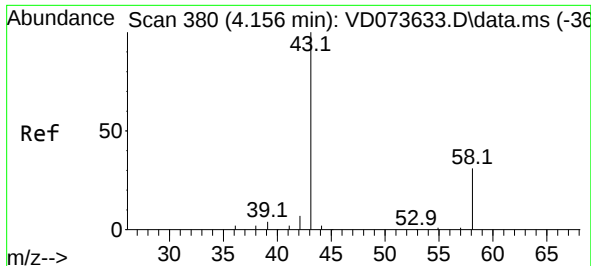
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 70.8 72.6 108.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.035 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 59 Resp: 5653
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

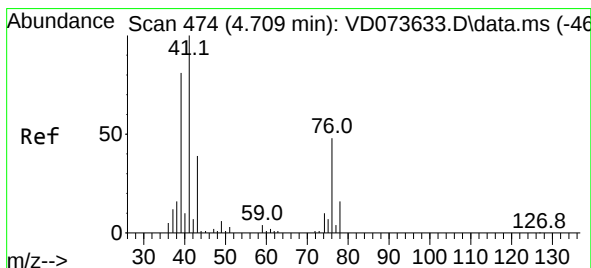
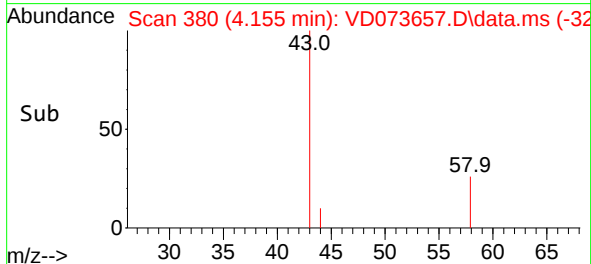
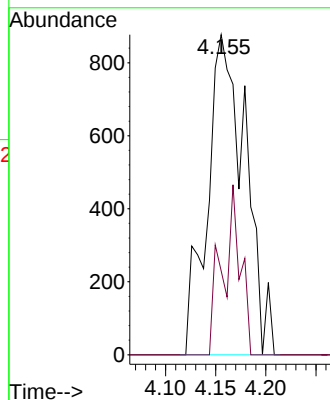
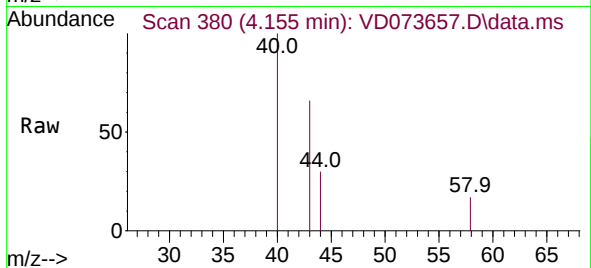




#16
Acetone
Concen: 5.093 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

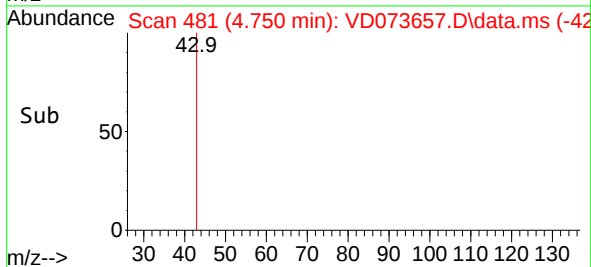
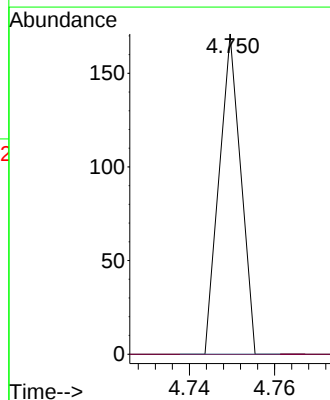
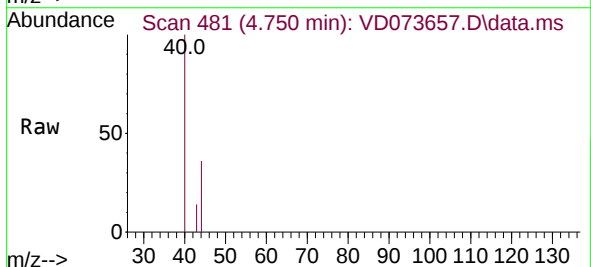
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

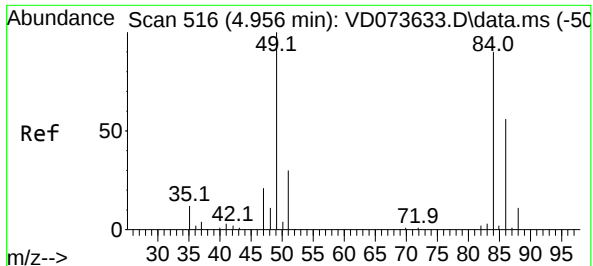
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
58 26.2 25.0 37.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.750 min Scan# 481
Delta R.T. 0.041 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

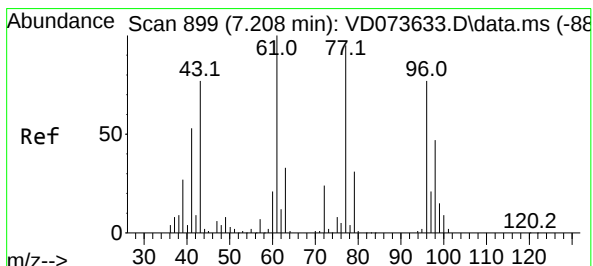
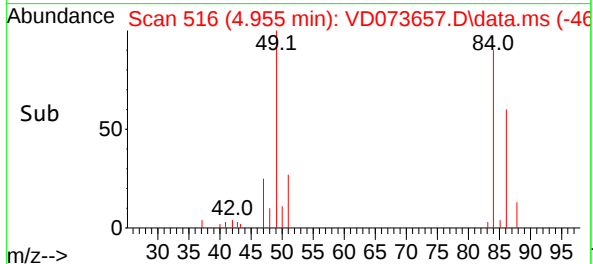
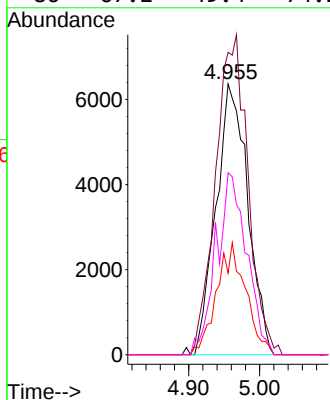
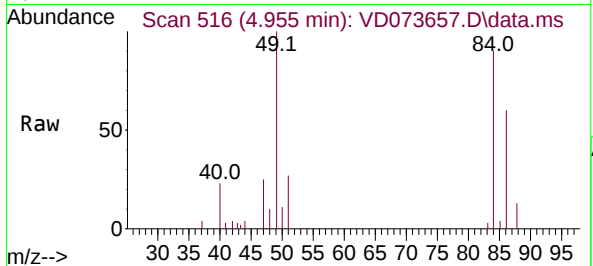




#20
Methylene Chloride
Concen: 1.421 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.001 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

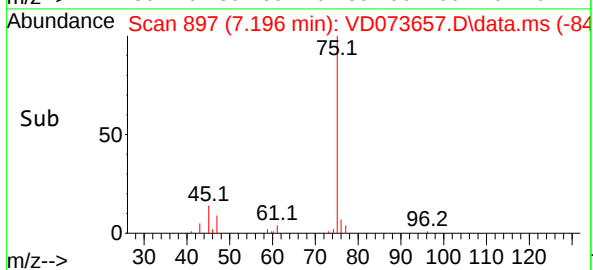
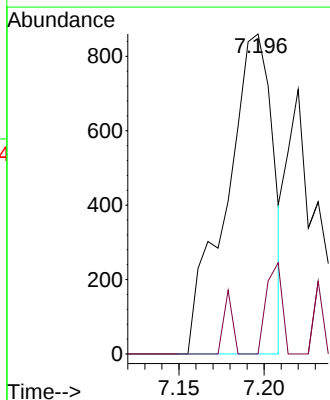
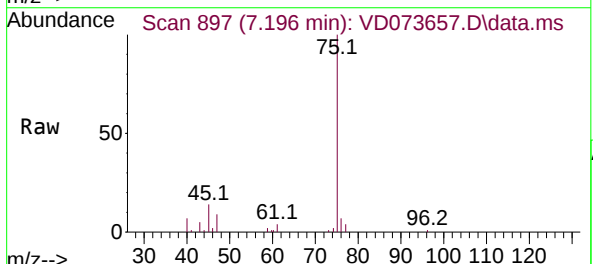
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

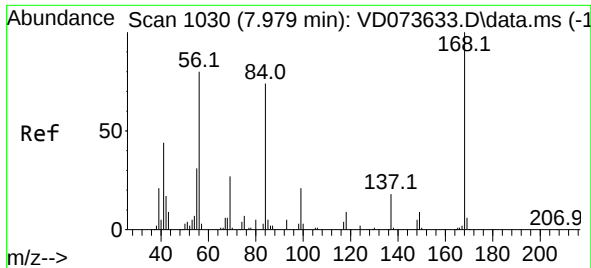
Tgt Ion: 84	Resp: 19786		
Ion	Ratio	Lower	Upper
84	100		
49	111.7	89.0	133.6
51	30.1	26.7	40.1
86	67.2	49.4	74.2



#25
2-Butanone
Concen: 2.486 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 43	Resp: 1644
Ion Ratio	Lower Upper
43 100	
72 0.0	24.7 37.1#

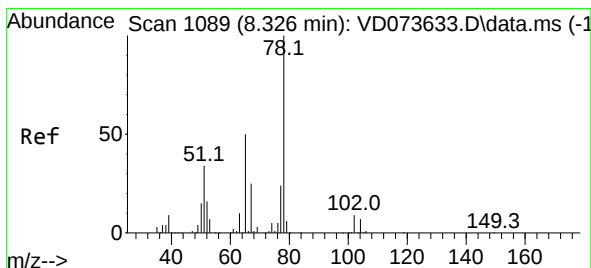
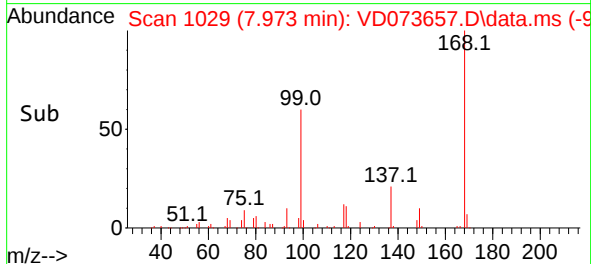
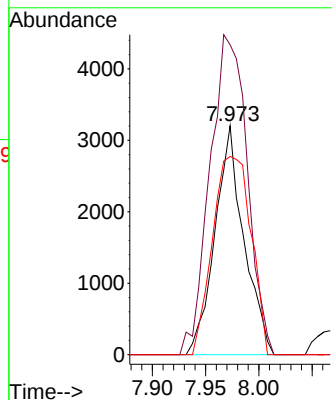
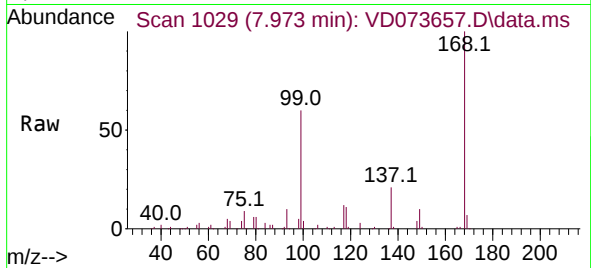




#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

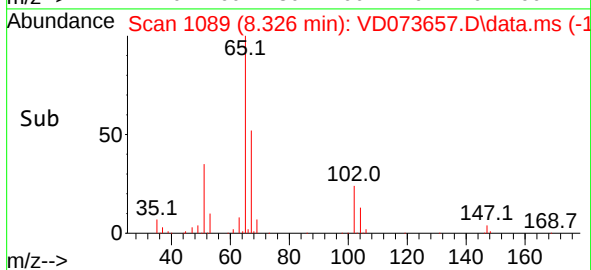
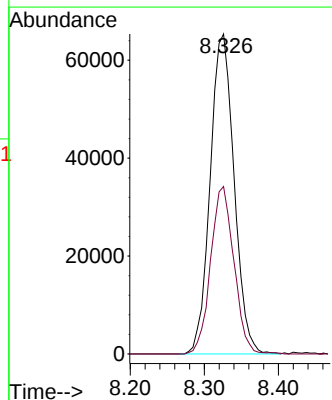
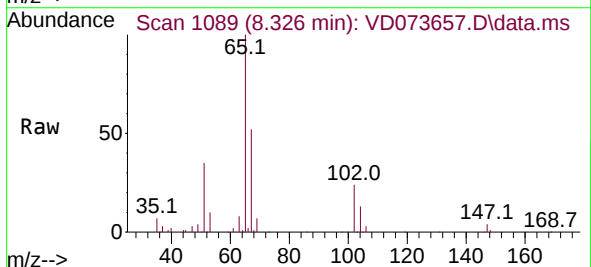
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

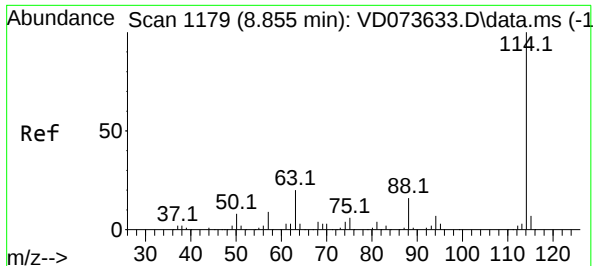
Tgt Ion: 56 Resp: 6054
Ion Ratio Lower Upper
56 100
69 135.4 26.9 40.3#
84 86.6 73.8 110.8



#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 65 Resp: 146690
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073657.D

Acq: 22 Jun 2022 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-1-7-9-20220620

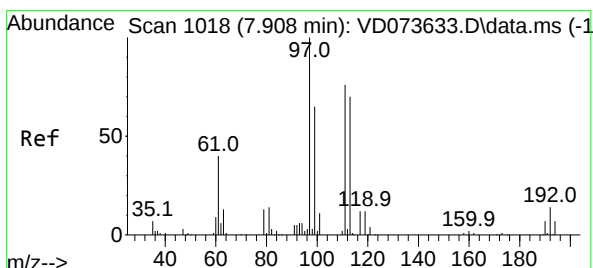
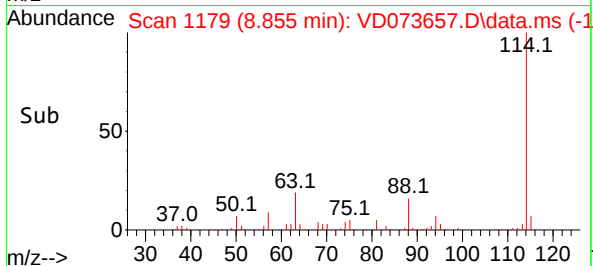
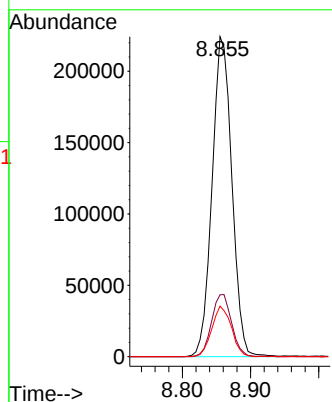
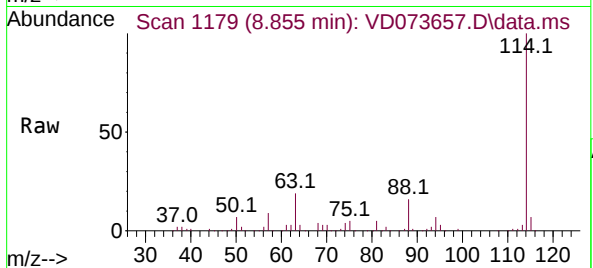
Tgt Ion:114 Resp: 453463

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.873 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073657.D

Acq: 22 Jun 2022 16:21

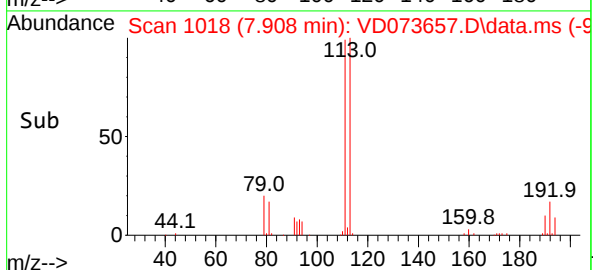
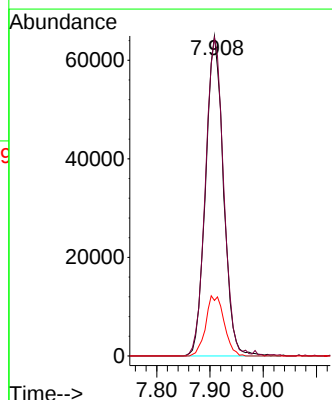
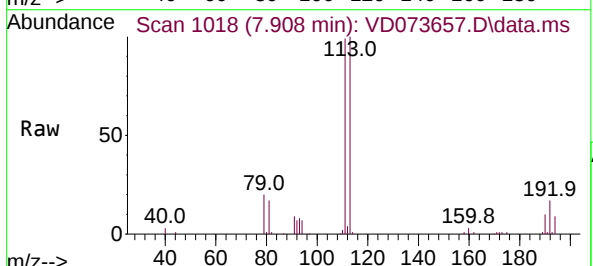
Tgt Ion:113 Resp: 150905

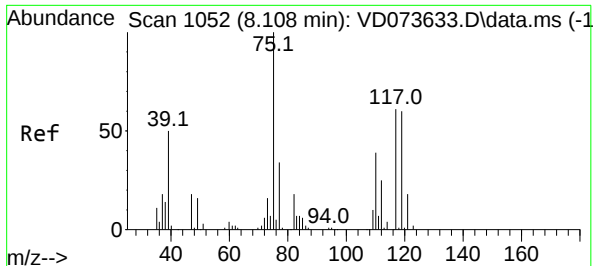
Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

192 19.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.434 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073657.D

Acq: 22 Jun 2022 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-1-7-9-20220620

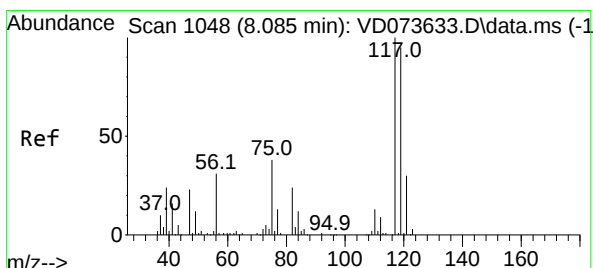
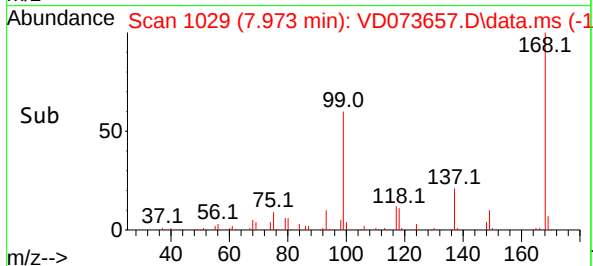
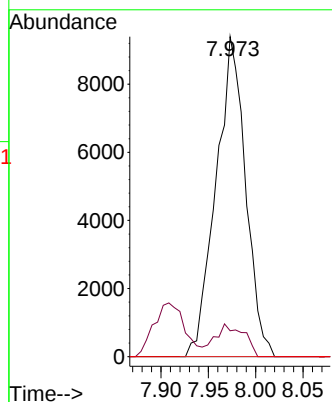
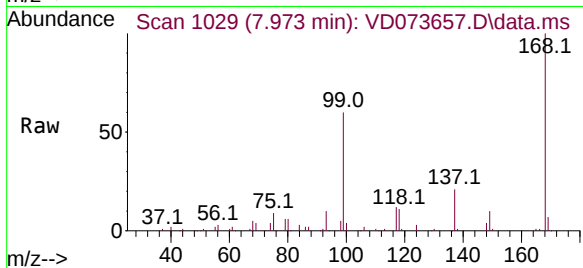
Tgt Ion: 75 Resp: 20433

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.4#

77 0.0 25.7 38.5#



#38

Carbon Tetrachloride

Concen: 5.151 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.112 min

Lab File: VD073657.D

Acq: 22 Jun 2022 16:21

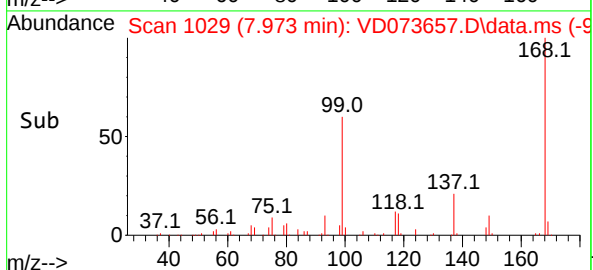
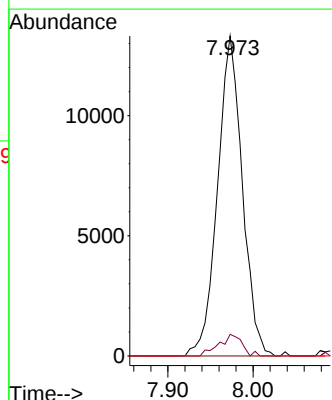
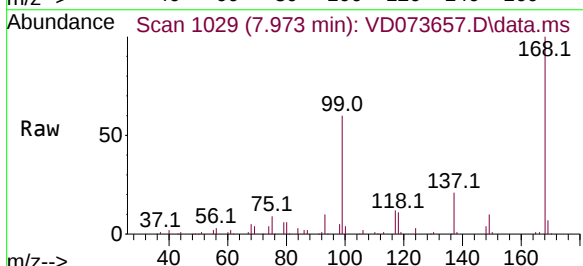
Tgt Ion: 117 Resp: 26957

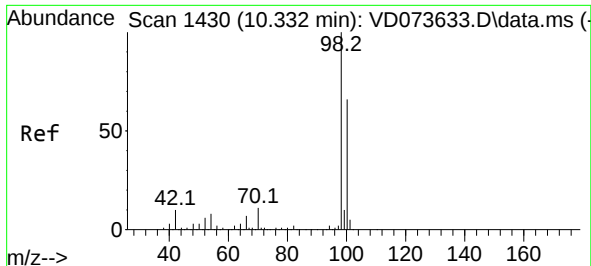
Ion Ratio Lower Upper

117 100

119 6.8 75.6 113.4#

121 0.0 24.2 36.4#

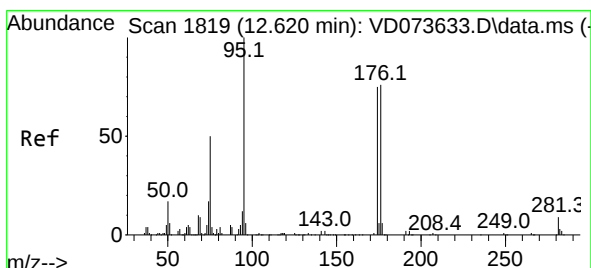
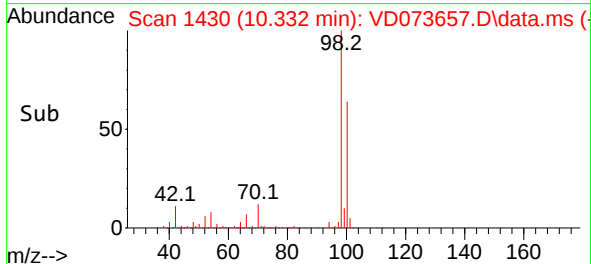
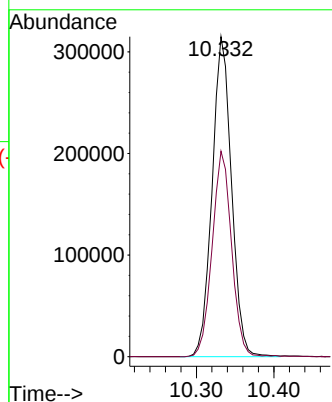
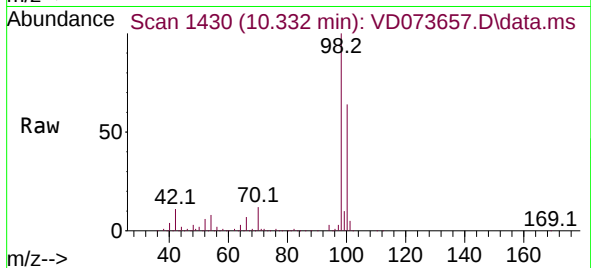




#50
Toluene-d8
Concen: 46.615 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

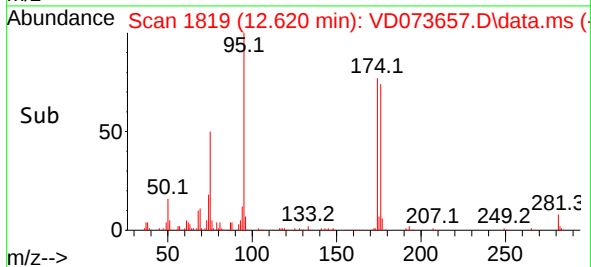
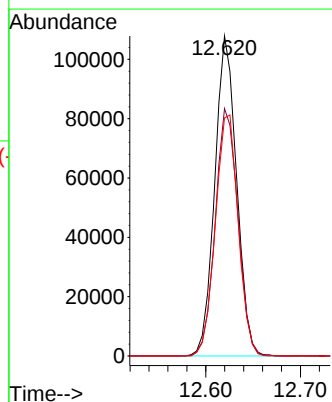
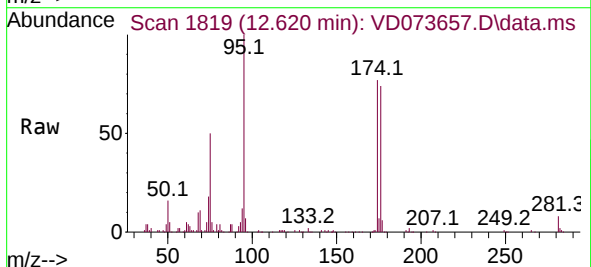
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

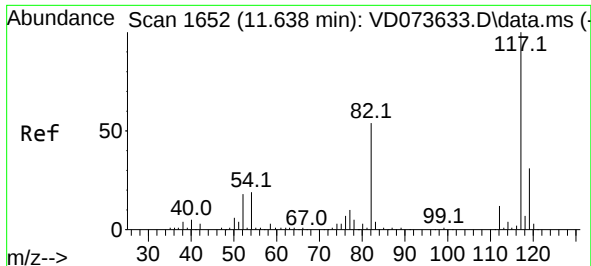
Tgt Ion: 98 Resp: 548851
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 40.045 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion: 95 Resp: 172911
Ion Ratio Lower Upper
95 100
174 80.5 0.0 156.4
176 78.7 0.0 151.8

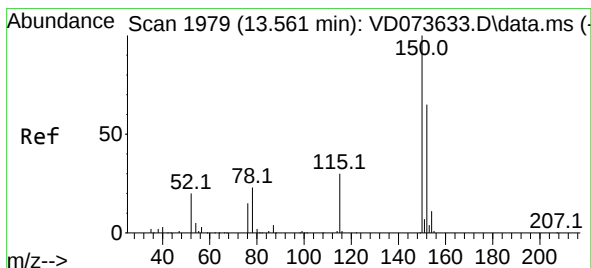
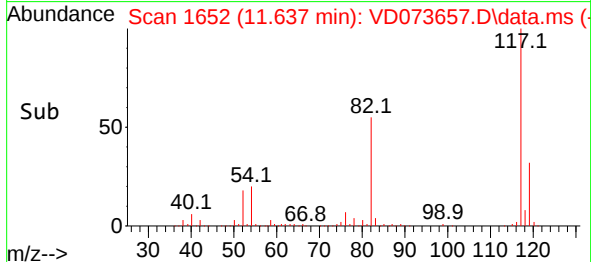
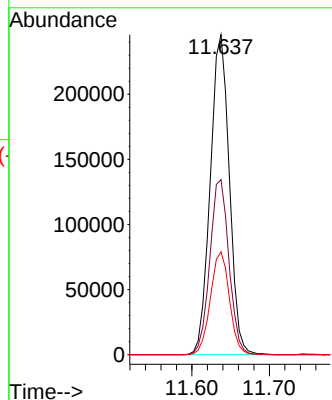
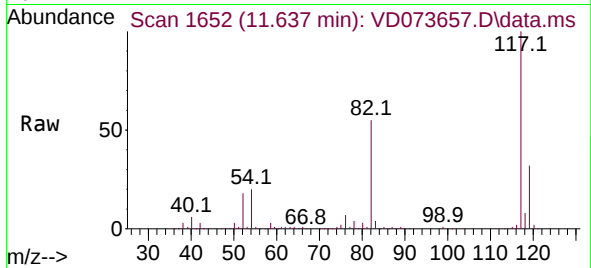




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

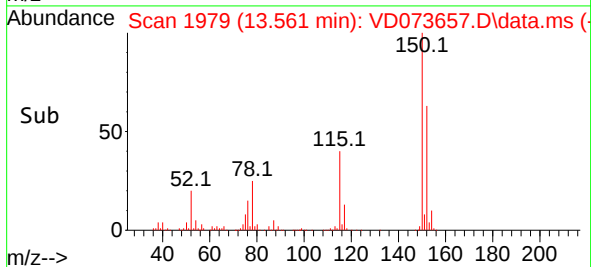
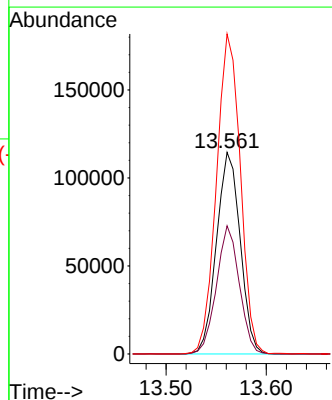
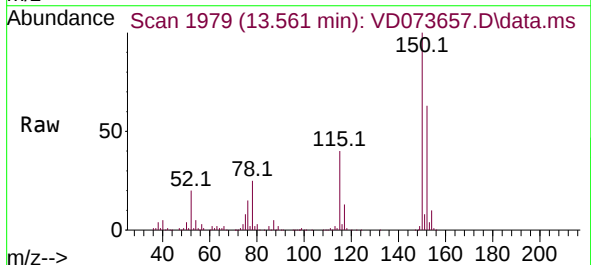
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

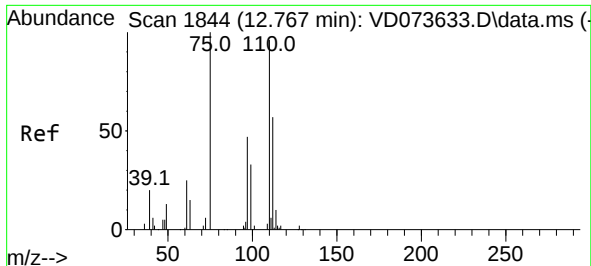
Tgt Ion:117 Resp: 419502
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 32.2 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Tgt Ion:152 Resp: 187685
Ion Ratio Lower Upper
152 100
115 61.3 29.6 88.9
150 160.1 0.0 351.2

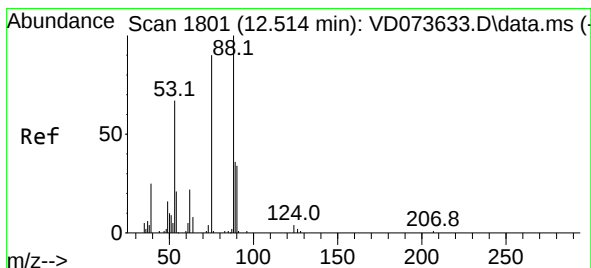
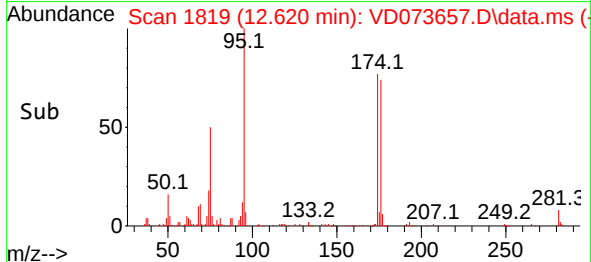
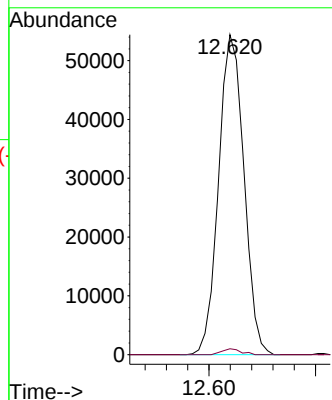
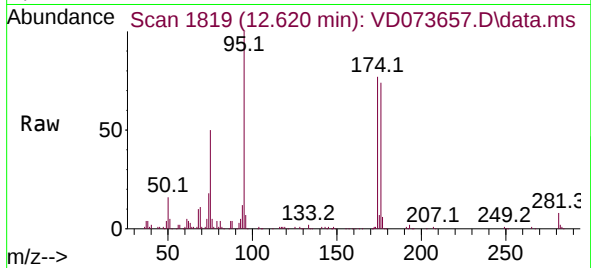




#76
1,2,3-Trichloropropane
Concen: 49.408 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

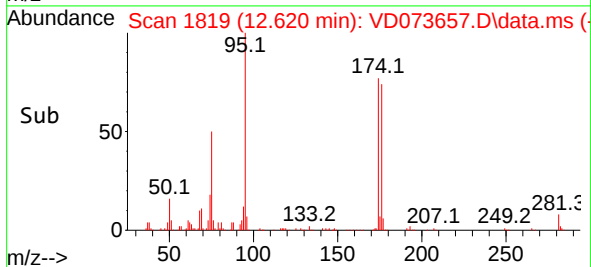
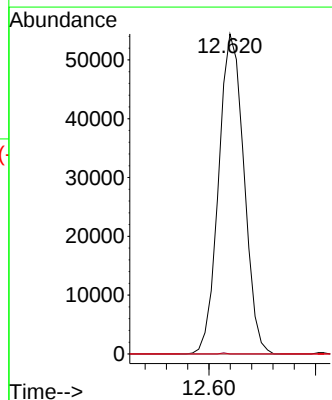
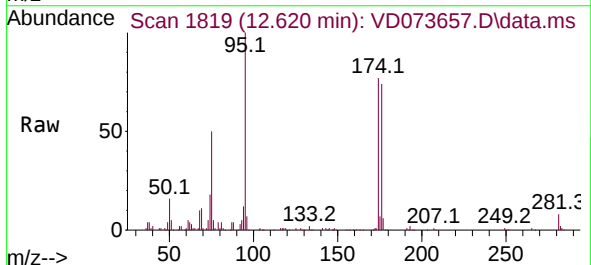
Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620

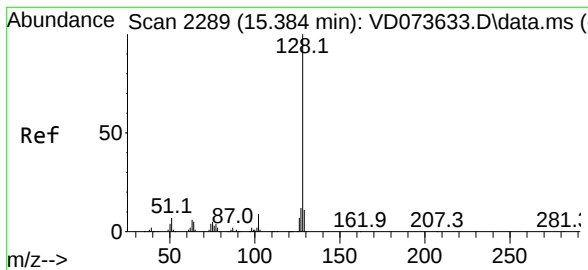
Tgt Ion: 75 Resp: 89750
Ion Ratio Lower Upper
75 100
77 1.4 208.9 626.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.024 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

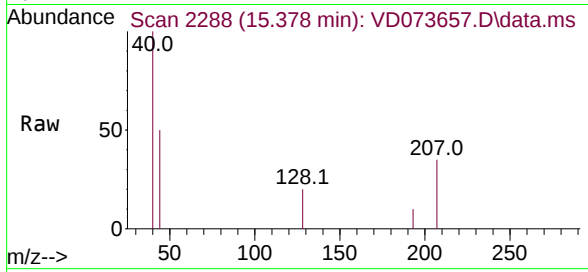
Tgt Ion: 75 Resp: 89750
Ion Ratio Lower Upper
75 100
53 0.1 70.5 105.7#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 2.723 ug/l
RT: 15.378 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073657.D
Acq: 22 Jun 2022 16:21

Instrument :
MSVOA_D
ClientSampleId :
SB-1-7-9-20220620



Tgt Ion:	128	Resp:	255
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	9.0	13.6#

