

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073656.D
 Acq On : 22 Jun 2022 15:53
 Operator : VA/SY
 Sample : N3421-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-0-2-20220620

Quant Time: Jun 23 09:28:13 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)

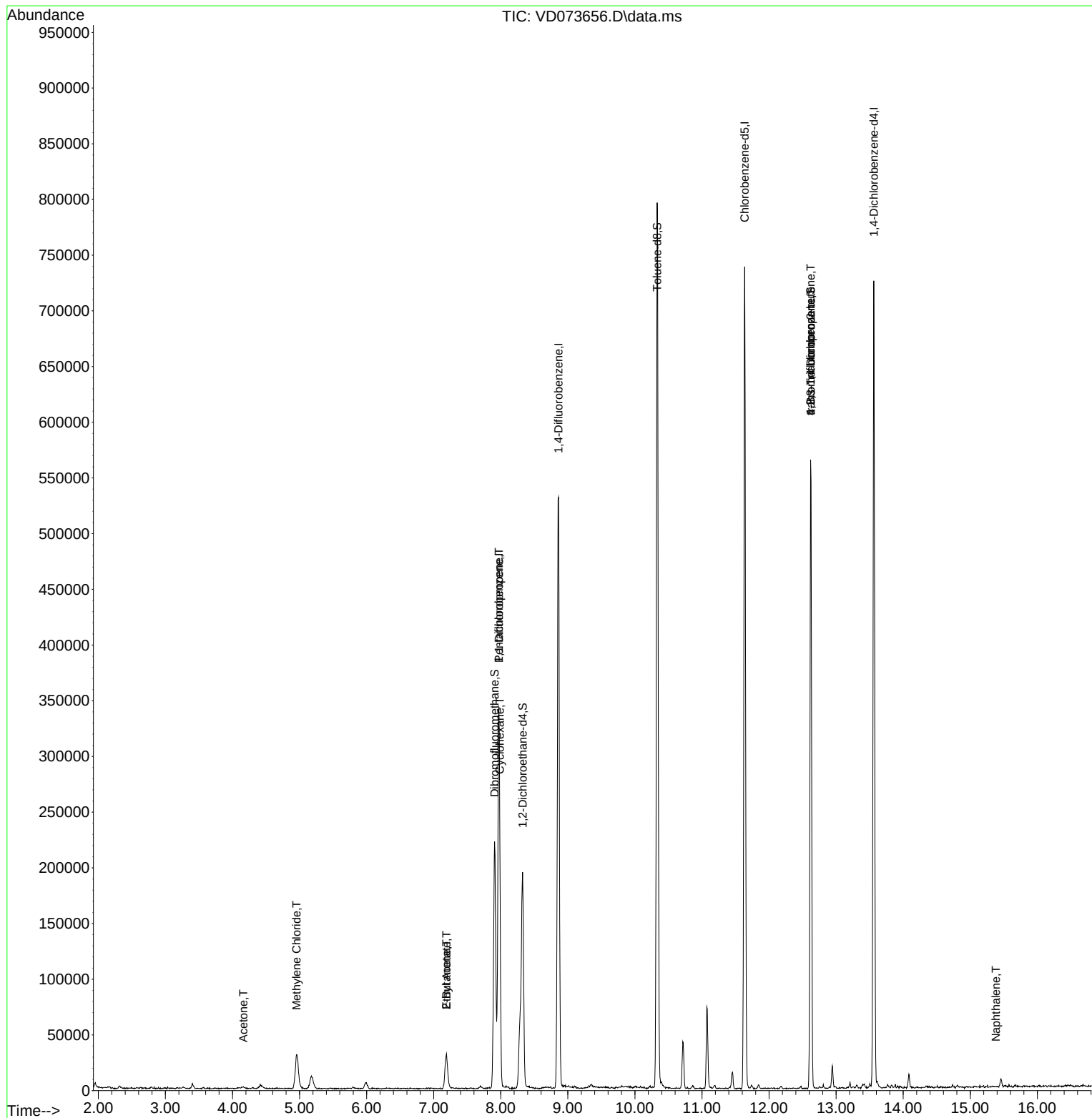
Internal Standards						
1) Pentafluorobenzene	7.973	168	253702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	466687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	431276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	195170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151172	51.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.580%	
35) Dibromofluoromethane	7.908	113	156647	46.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.540%	
50) Toluene-d8	10.332	98	552689	45.611	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.220%	
62) 4-Bromofluorobenzene	12.620	95	176947	39.819	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.640%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	765	Below Cal	#	40
5) Bromomethane	2.767	94	563	Below Cal	#	4
11) Tert butyl alcohol	5.179	59	11160	Below Cal	#	76
16) Acetone	4.161	43	2749	5.924	ug/l	97
18) Methyl Acetate	4.944	43	128	Below Cal	#	48
20) Methylene Chloride	4.955	84	25744	3.456	ug/l	97
25) 2-Butanone	7.191	43	2015	2.983	ug/l #	76
31) Cyclohexane	7.985	56	6258	1.409	ug/l #	51
36) 1,1-Dichloropropene	7.973	75	19200	4.049	ug/l #	51
37) Ethyl Acetate	7.191	43	2015	1.104	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	92413	48.923	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	92413	112.905	ug/l #	14
95) Naphthalene	15.384	128	1184	2.850	ug/l #	69

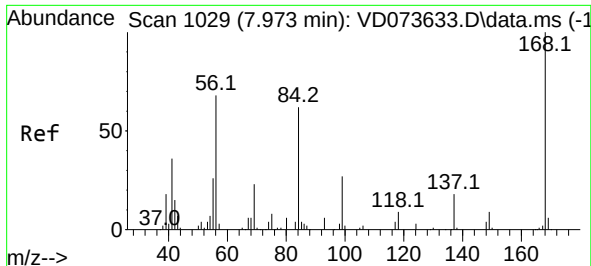
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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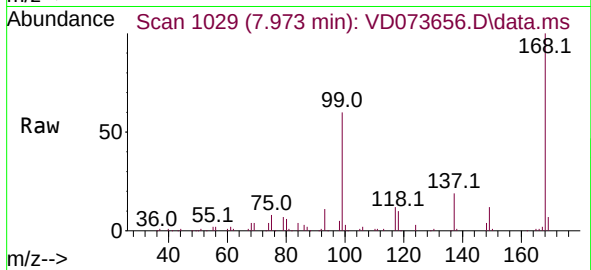
Quant Time: Jun 23 09:28:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 21 05:24:45 2022
Response via : Initial Calibration



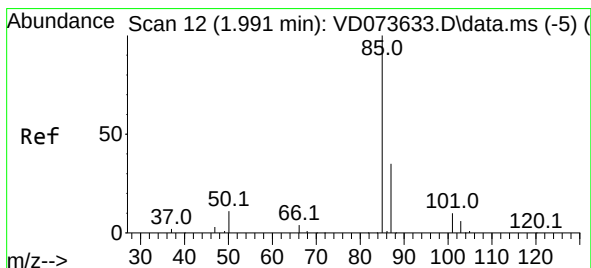
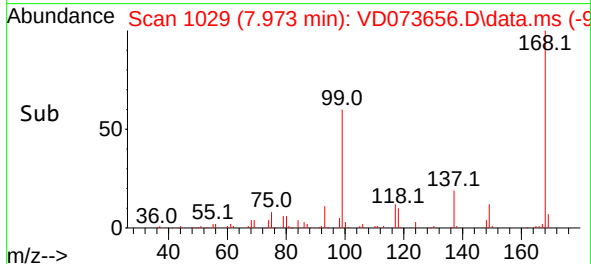
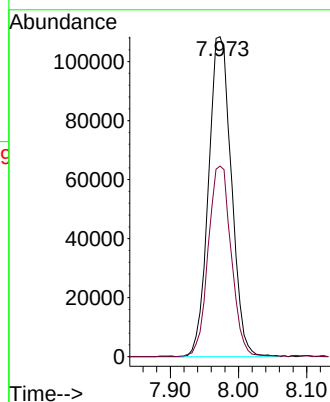


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

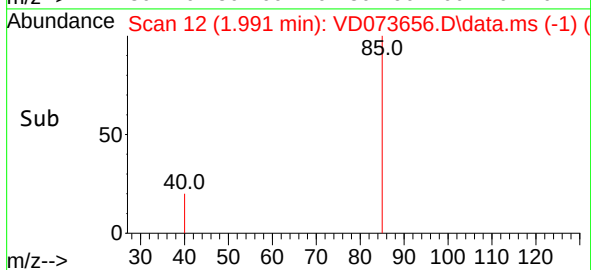
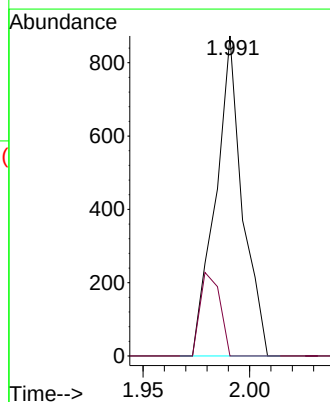
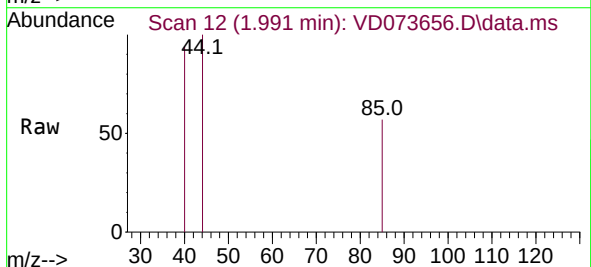


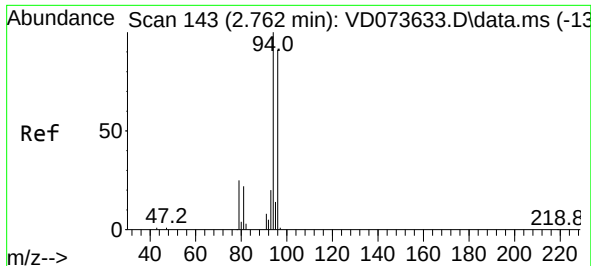
Tgt Ion:168 Resp: 253702
Ion Ratio Lower Upper
168 100
99 59.4 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion: 85 Resp: 765
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

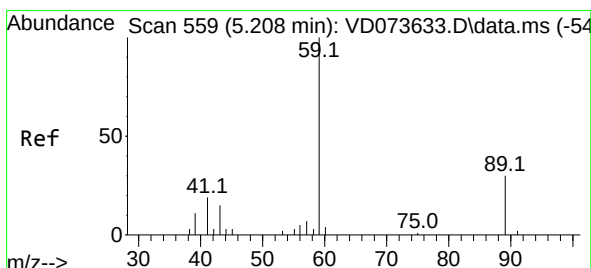
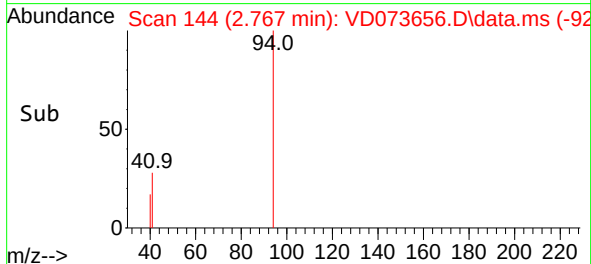
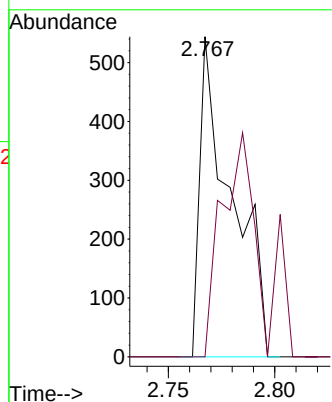
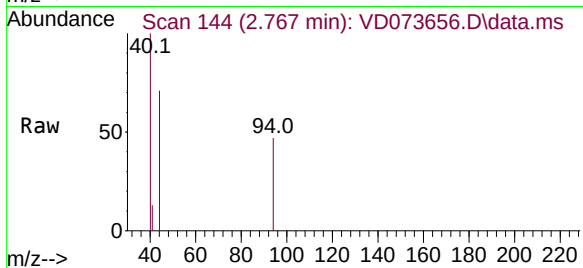




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 14
Delta R.T. 0.005 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

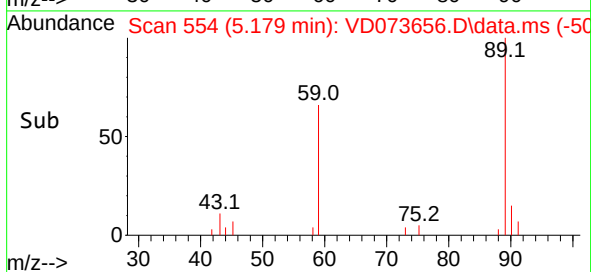
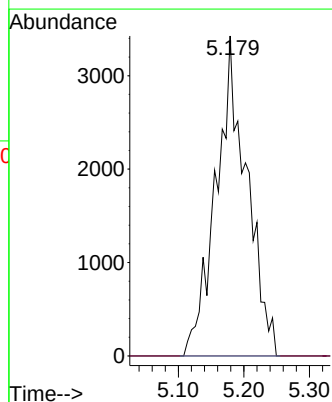
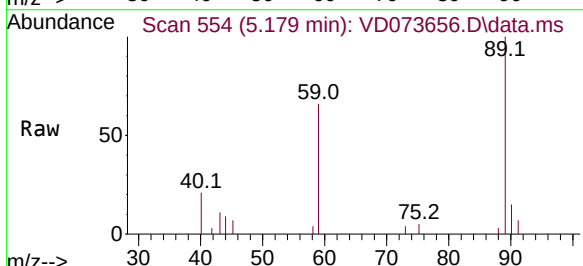
Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

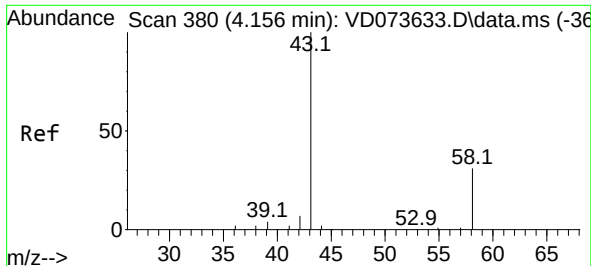
Tgt Ion: 94 Resp: 563
Ion Ratio Lower Upper
94 100
96 0.0 72.6 108.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.029 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion: 59 Resp: 11160
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

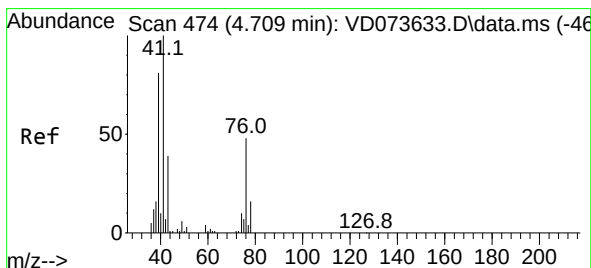
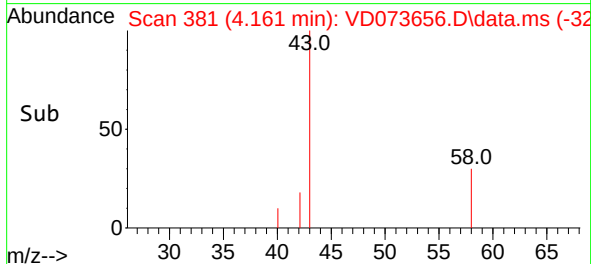
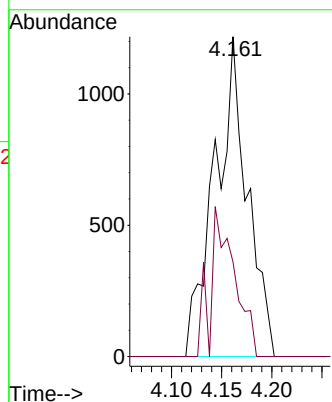
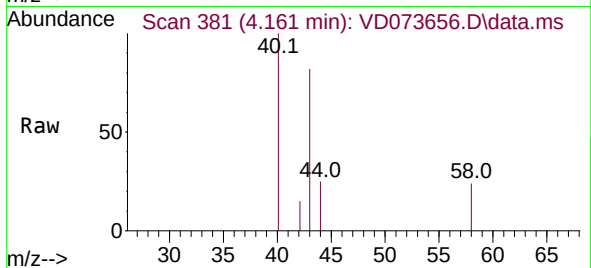




#16
Acetone
Concen: 5.924 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

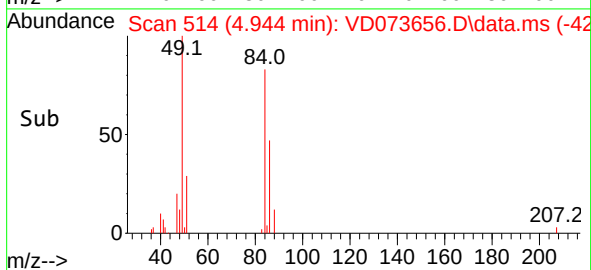
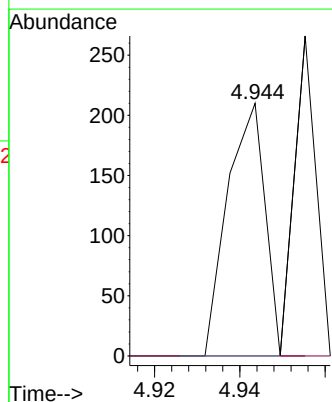
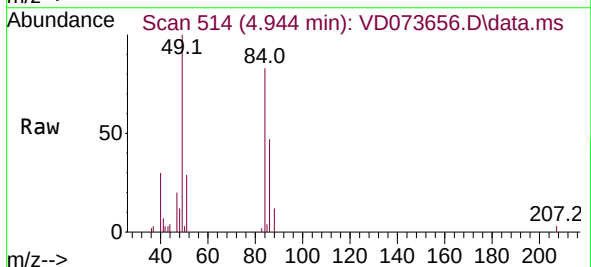
Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

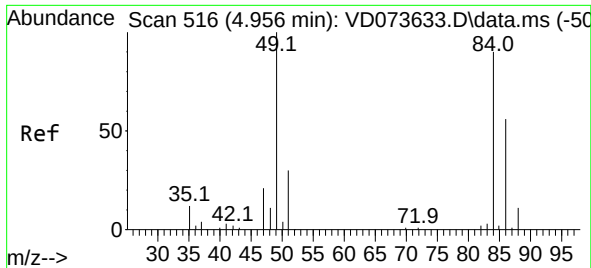
Tgt Ion: 43 Resp: 2749
Ion Ratio Lower Upper
43 100
58 29.6 25.0 37.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. 0.235 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: 3.456 ug/l

RT: 4.955 min Scan# 516

Delta R.T. -0.001 min

Lab File: VD073656.D

Acq: 22 Jun 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-1-0-2-20220620

Tgt Ion: 84 Resp: 25744

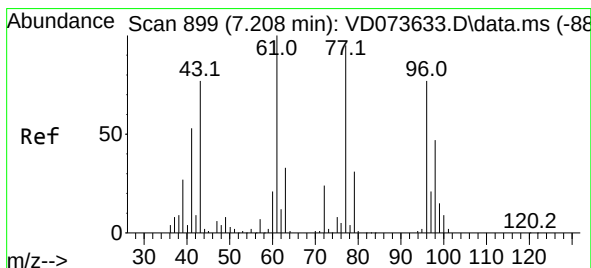
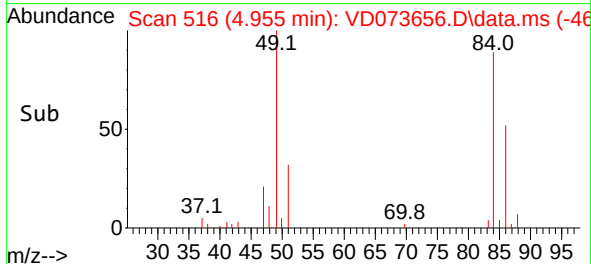
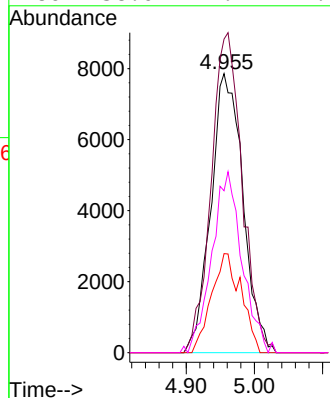
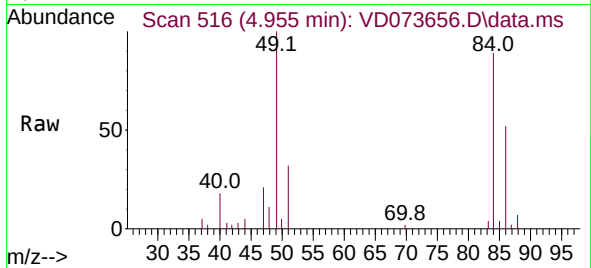
Ion Ratio Lower Upper

84 100

49 112.4 89.0 133.6

51 35.5 26.7 40.1

86 58.0 49.4 74.2



#25

2-Butanone

Concen: 2.983 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD073656.D

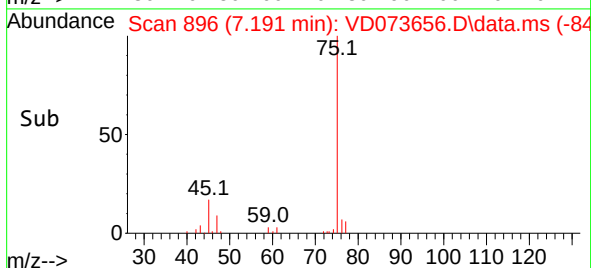
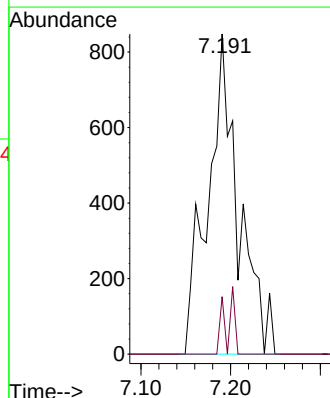
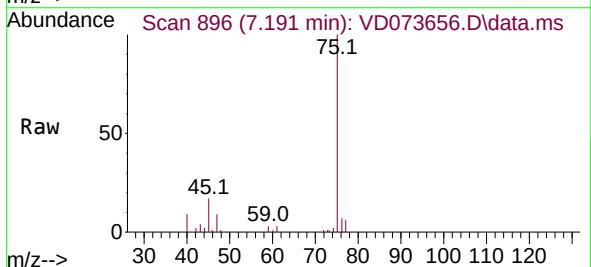
Acq: 22 Jun 2022 15:53

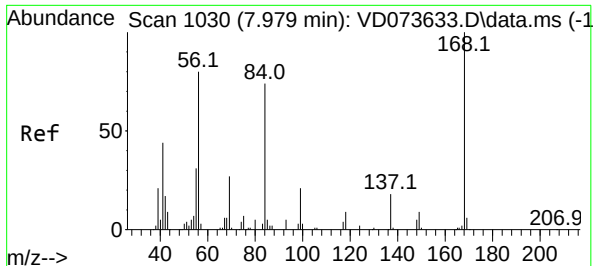
Tgt Ion: 43 Resp: 2015

Ion Ratio Lower Upper

43 100

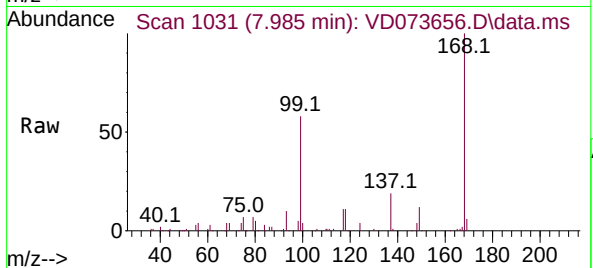
72 17.9 24.7 37.1#



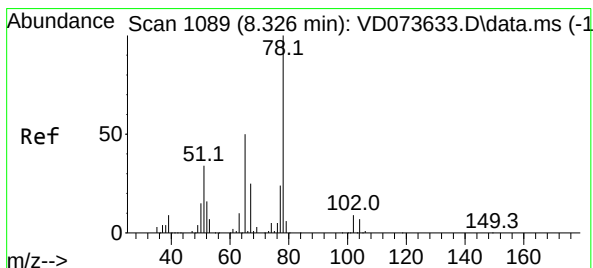
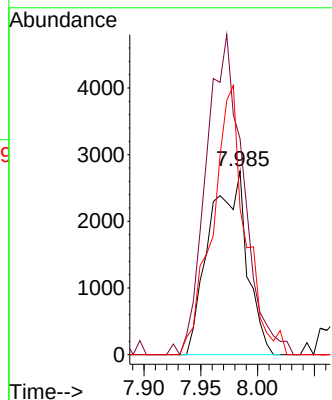
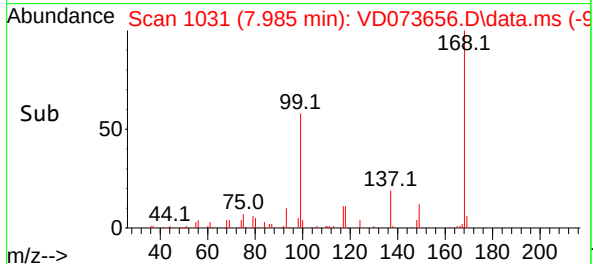


#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

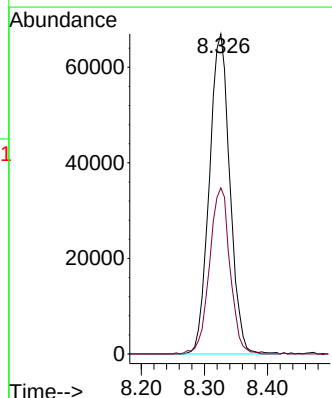
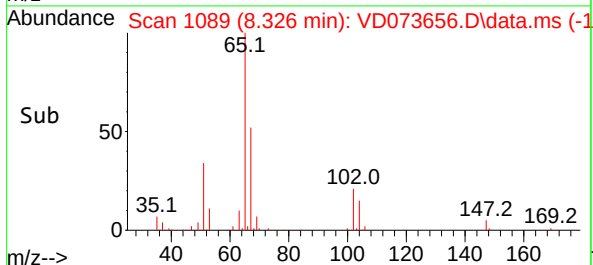
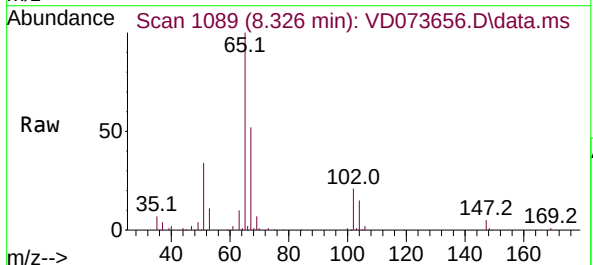


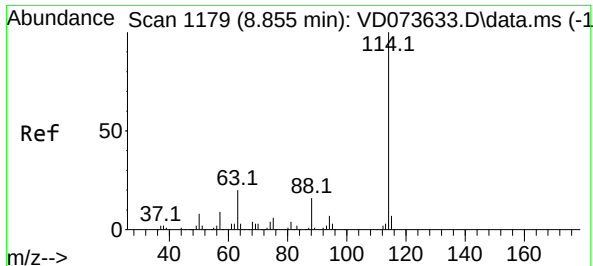
Tgt Ion: 56 Resp: 6258
Ion Ratio Lower Upper
56 100
69 117.7 26.9 40.3#
84 79.8 73.8 110.8



#33
1,2-Dichloroethane-d4
Concen: 51.787 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion: 65 Resp: 151172
Ion Ratio Lower Upper
65 100
67 51.7 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: VD073656.D

Acq: 22 Jun 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-1-0-2-20220620

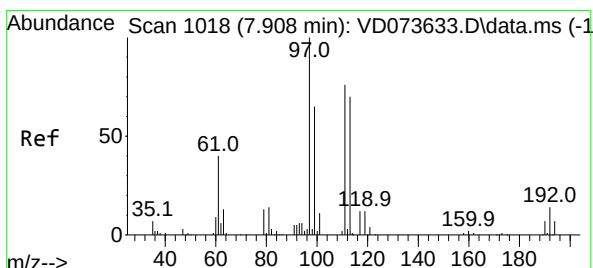
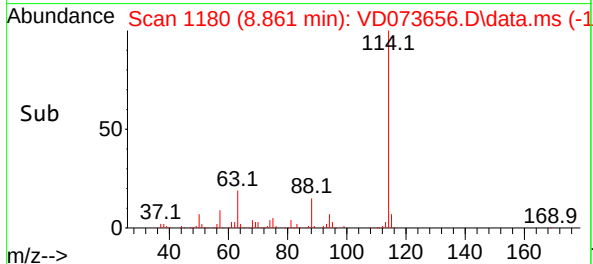
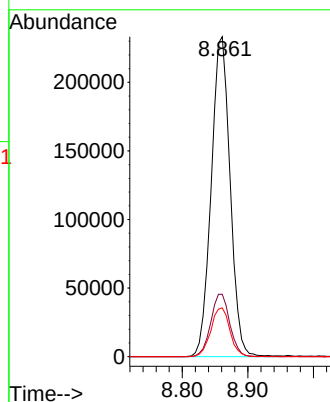
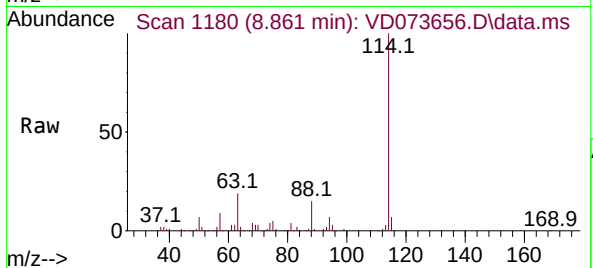
Tgt Ion:114 Resp: 466687

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.269 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073656.D

Acq: 22 Jun 2022 15:53

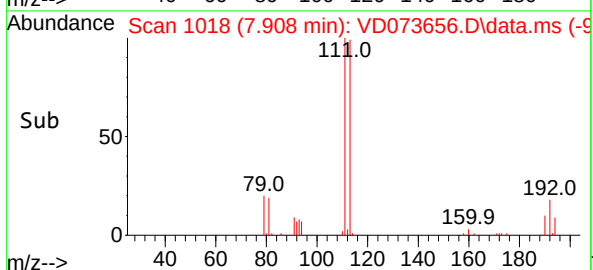
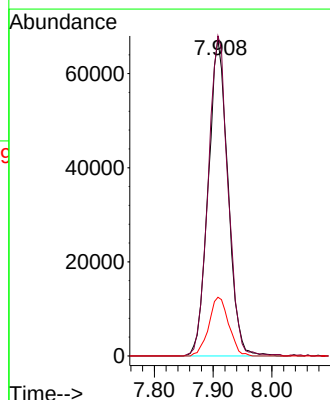
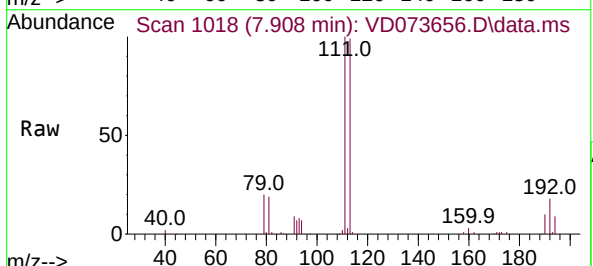
Tgt Ion:113 Resp: 156647

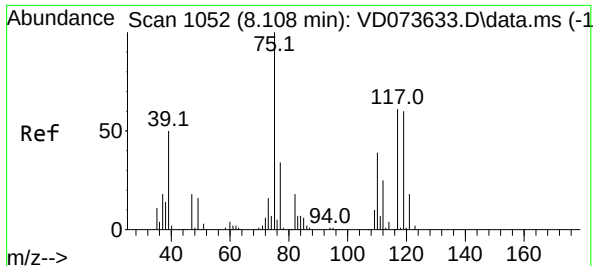
Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 18.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.049 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073656.D

Acq: 22 Jun 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-1-0-2-20220620

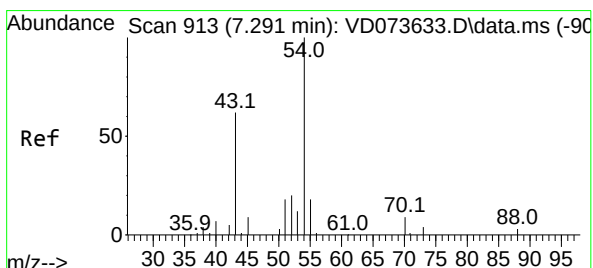
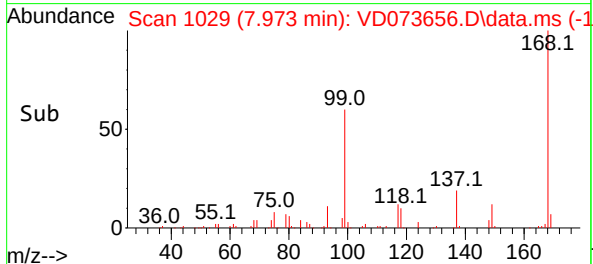
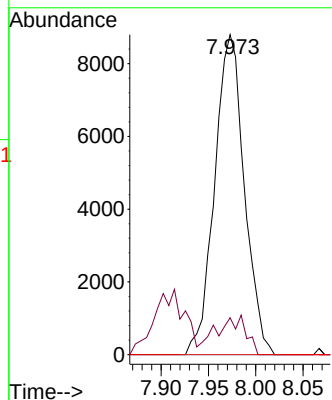
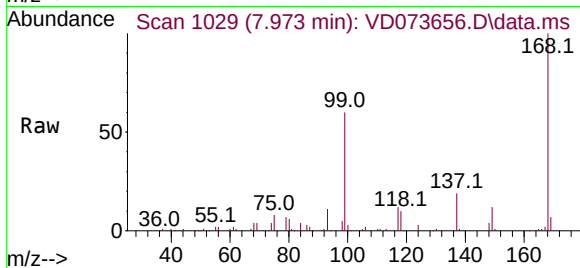
Tgt Ion: 75 Resp: 19200

Ion Ratio Lower Upper

75 100

110 11.6 18.4 55.4#

77 0.0 25.7 38.5#



#37

Ethyl Acetate

Concen: 1.104 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073656.D

Acq: 22 Jun 2022 15:53

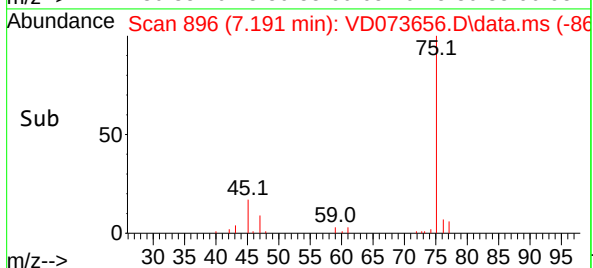
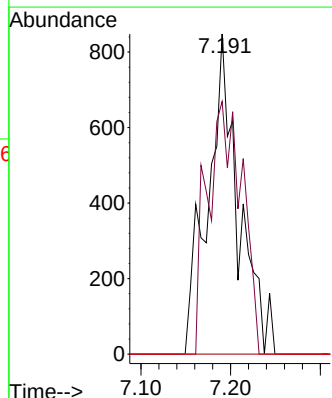
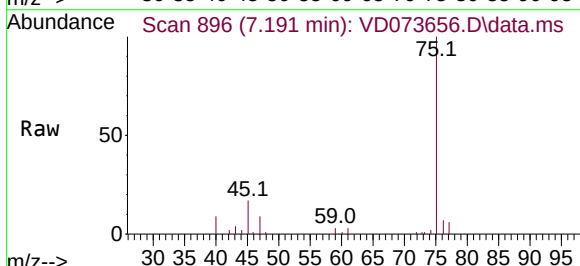
Tgt Ion: 43 Resp: 2015

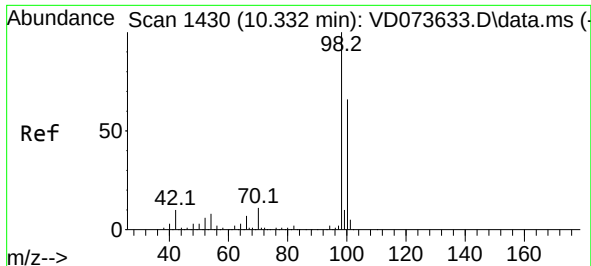
Ion Ratio Lower Upper

43 100

61 89.9 10.5 15.7#

70 0.0 8.9 13.3#

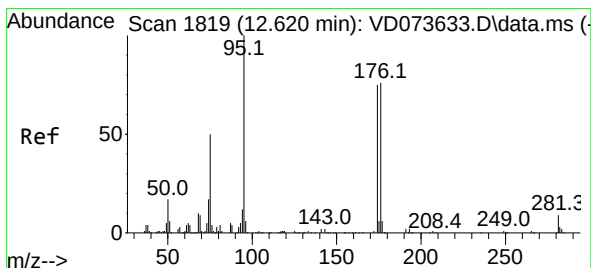
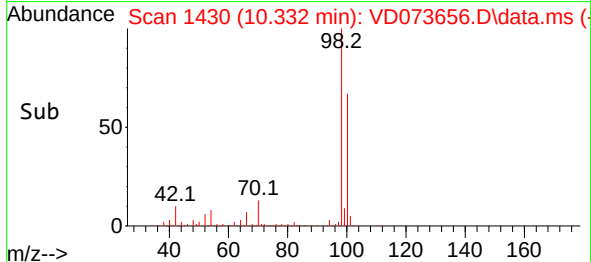
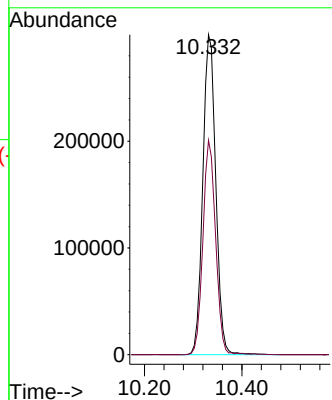
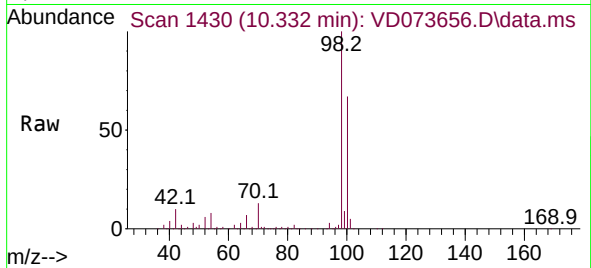




#50
Toluene-d8
Concen: 45.611 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

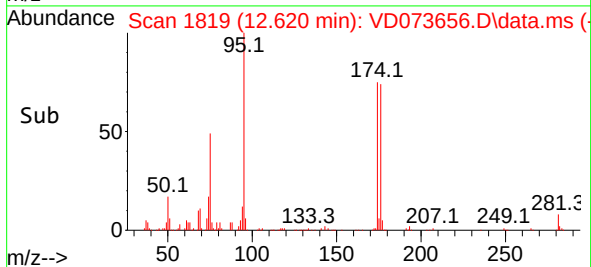
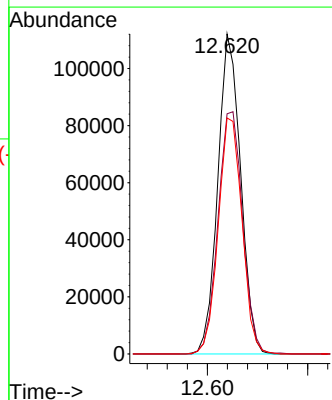
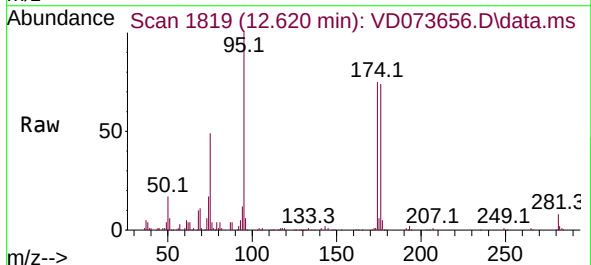
Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

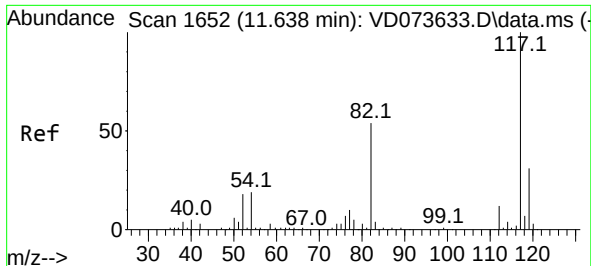
Tgt Ion: 98 Resp: 552689
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 39.819 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion: 95 Resp: 176947
Ion Ratio Lower Upper
95 100
174 81.8 0.0 156.4
176 76.8 0.0 151.8

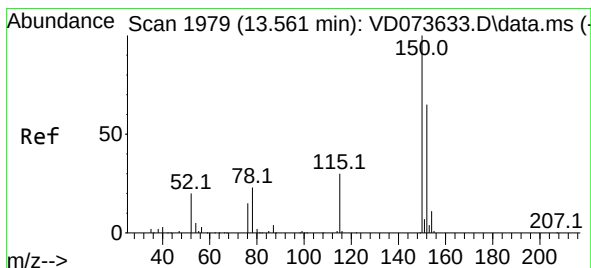
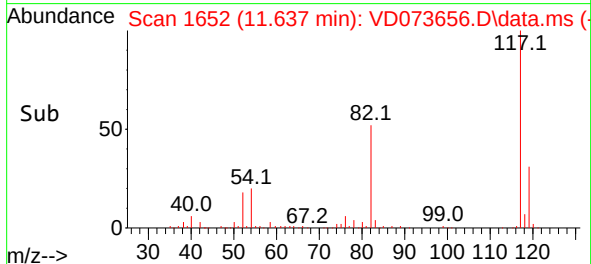
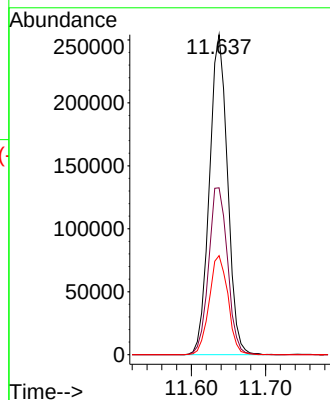
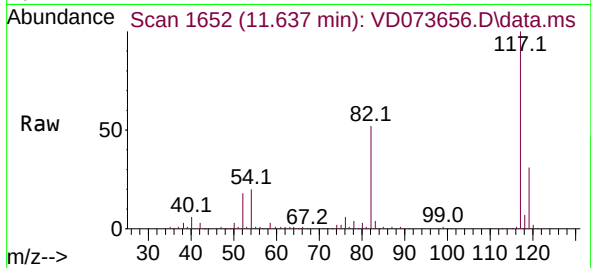




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

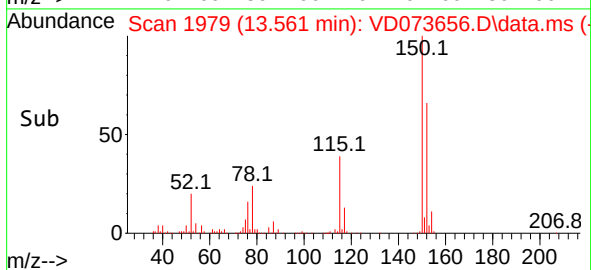
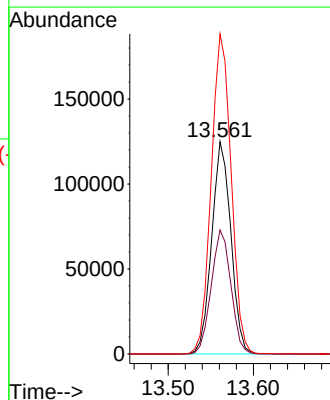
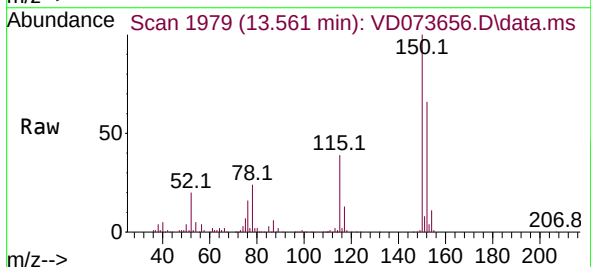
Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

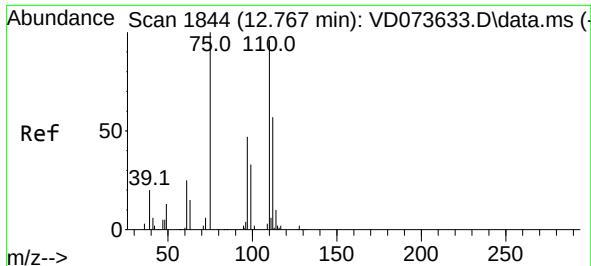
Tgt Ion:117 Resp: 431276
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 31.0 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Tgt Ion:152 Resp: 195170
Ion Ratio Lower Upper
152 100
115 59.6 29.6 88.9
150 156.5 0.0 351.2

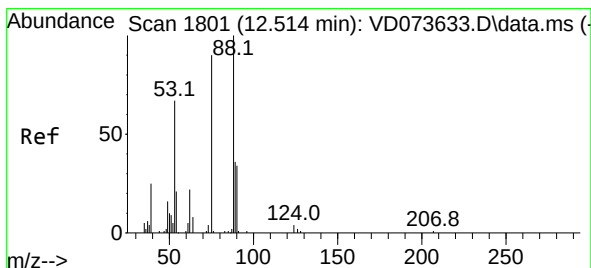
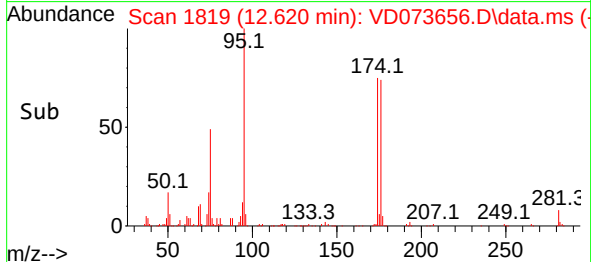
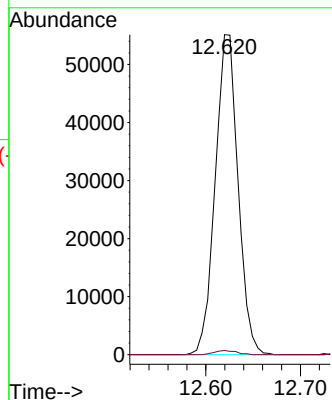
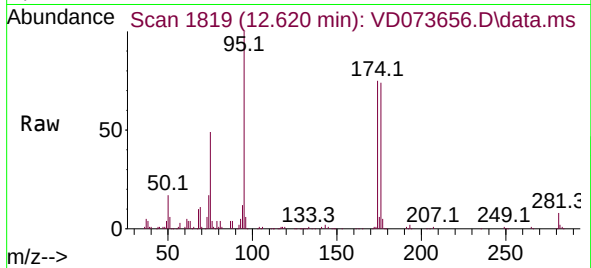




#76
1,2,3-Trichloropropane
Concen: 48.923 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

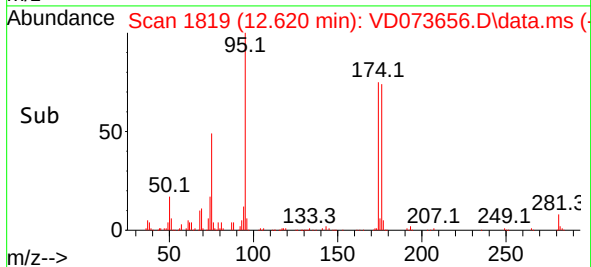
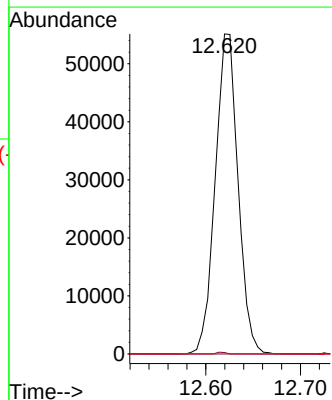
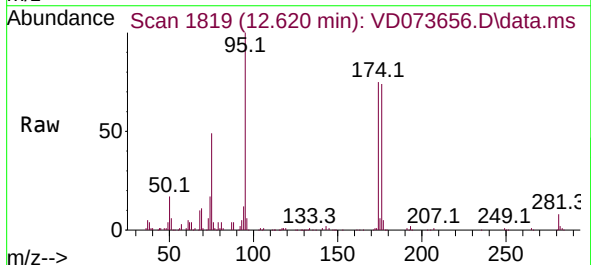
Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620

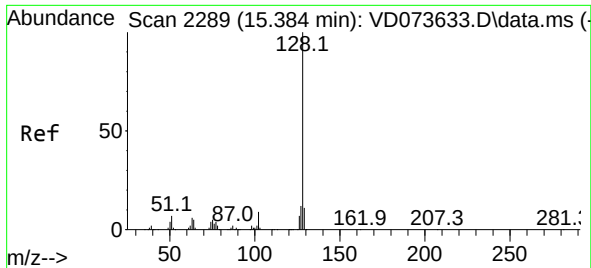
Tgt Ion: 75 Resp: 92413
Ion Ratio Lower Upper
75 100
77 1.3 208.9 626.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.905 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

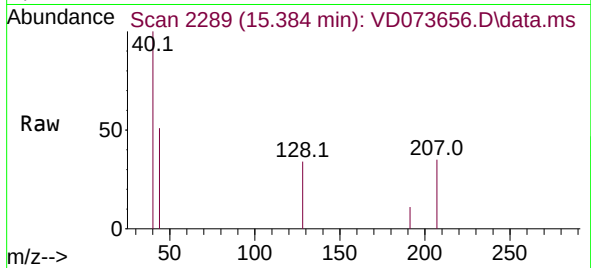
Tgt Ion: 75 Resp: 92413
Ion Ratio Lower Upper
75 100
53 0.2 70.5 105.7#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 2.850 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073656.D
Acq: 22 Jun 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
SB-1-0-2-20220620



Tgt Ion:128 Resp: 1184
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.6#

