

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062122\
 Data File : VD073639.D
 Acq On : 21 Jun 2022 11:32
 Operator : VA/SY
 Sample : VD0621SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBL01

Quant Time: Jun 22 05:59:52 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)

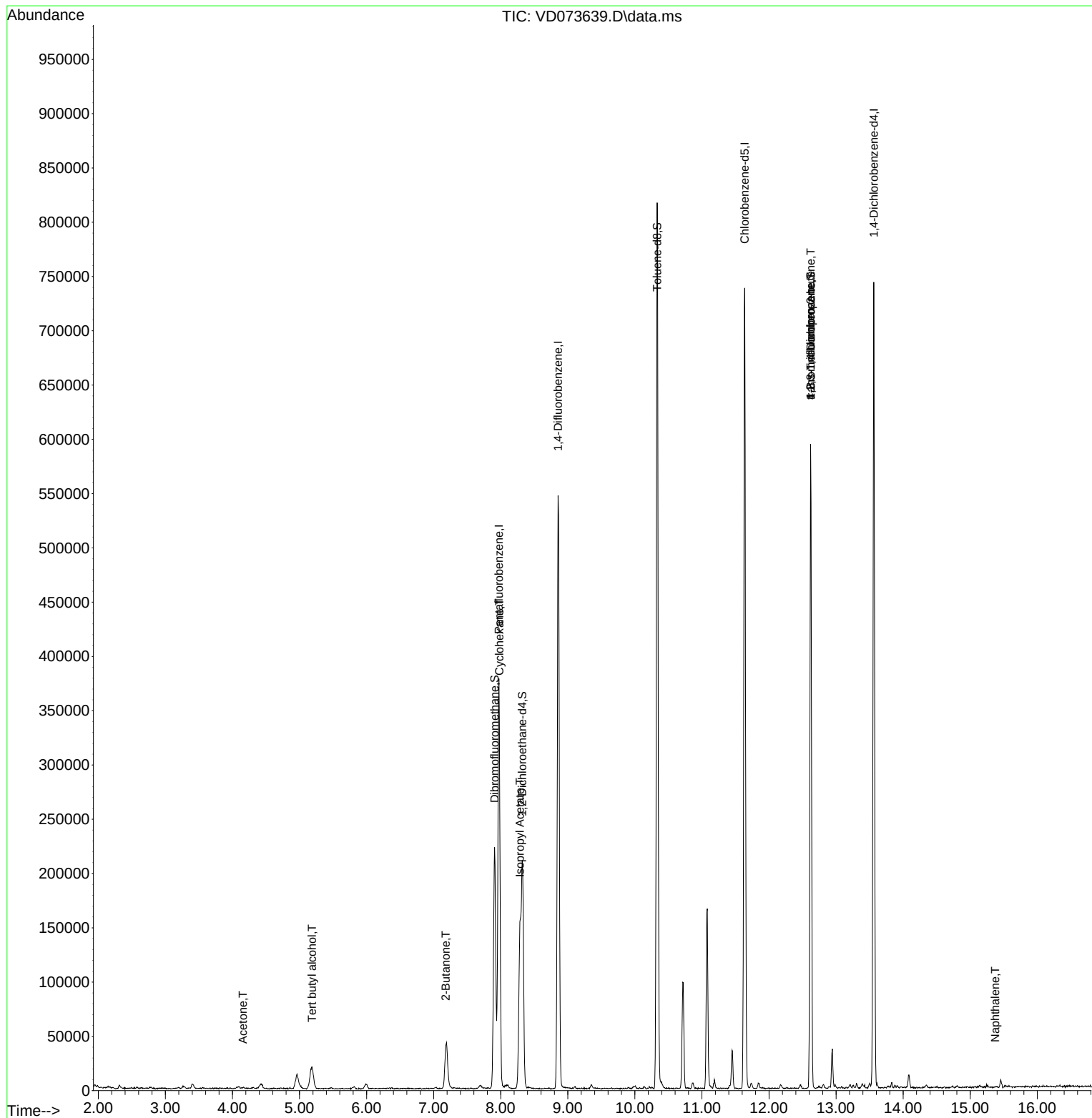
Internal Standards						
1) Pentafluorobenzene	7.973	168	269237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	484153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	437931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	190789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	162104	52.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.660%	
35) Dibromofluoromethane	7.909	113	160080	45.578	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.160%	
50) Toluene-d8	10.332	98	552894	43.982	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.960%	
62) 4-Bromofluorobenzene	12.620	95	182298	39.543	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	890	Below Cal		89
5) Bromomethane	2.779	94	1217	Below Cal		87
11) Tert butyl alcohol	5.185	59	18070	17.884	ug/l #	76
16) Acetone	4.156	43	1358	2.757	ug/l #	43
18) Methyl Acetate	4.856	43	58	Below Cal	#	48
20) Methylene Chloride	4.968	84	9789	Below Cal	#	91
25) 2-Butanone	7.179	43	1247	1.739	ug/l #	44
31) Cyclohexane	7.979	56	6898	1.464	ug/l #	28
43) Isopropyl Acetate	8.285	43	3799	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	94486	51.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	94486	118.088	ug/l #	14
95) Naphthalene	15.373	128	824	2.803	ug/l #	69

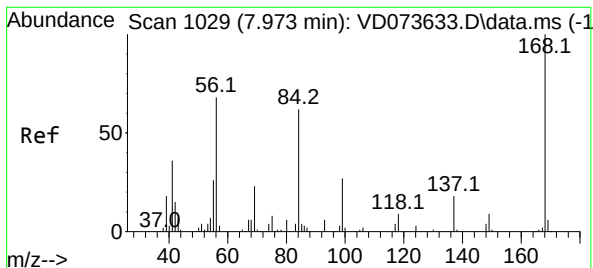
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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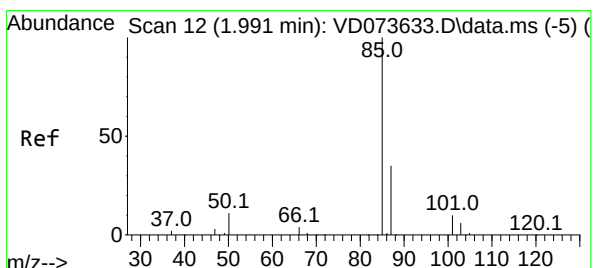
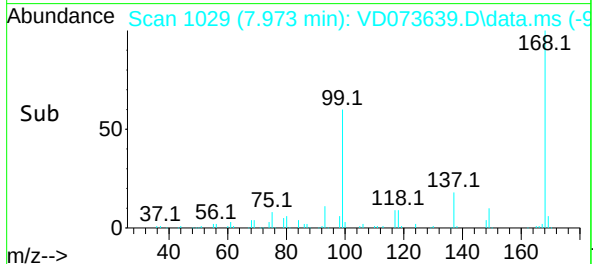
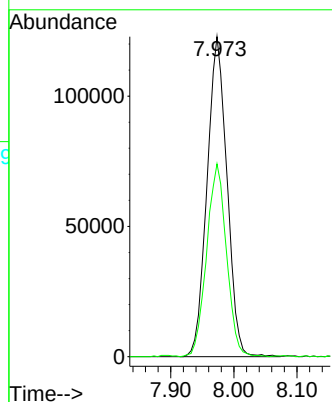
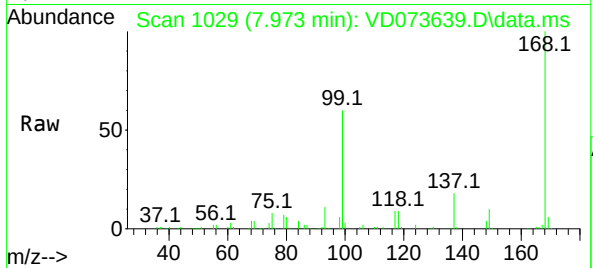




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

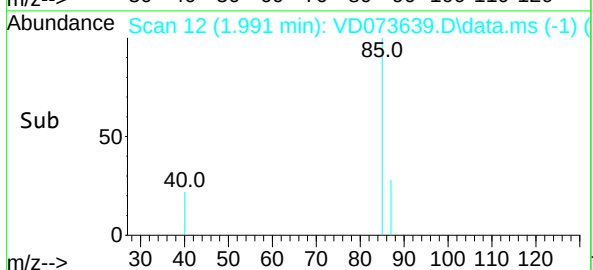
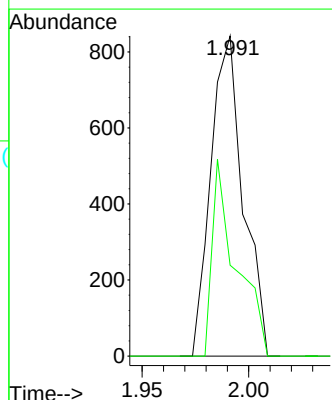
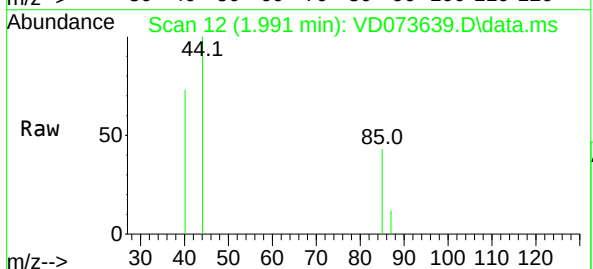
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

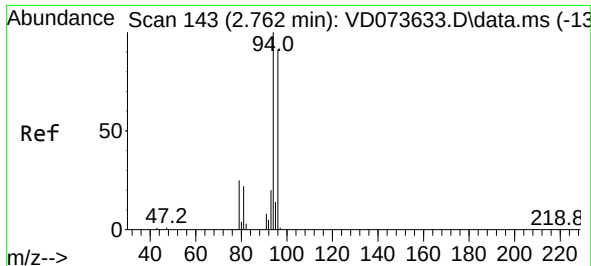
Tgt Ion:168 Resp: 269237
Ion Ratio Lower Upper
168 100
99 60.3 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 85 Resp: 890
Ion Ratio Lower Upper
85 100
87 28.4 17.4 52.2

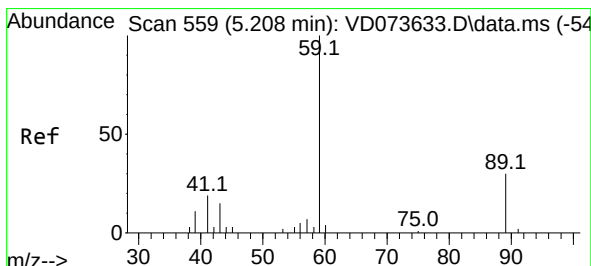
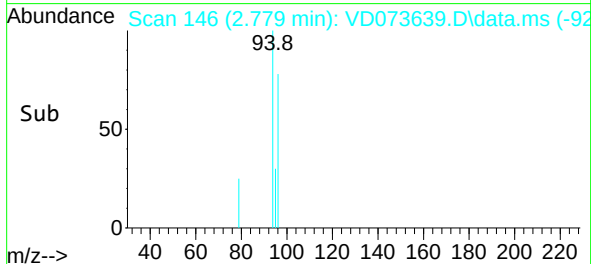
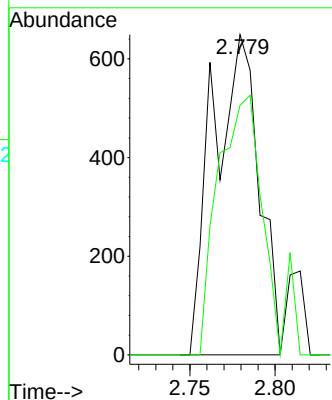
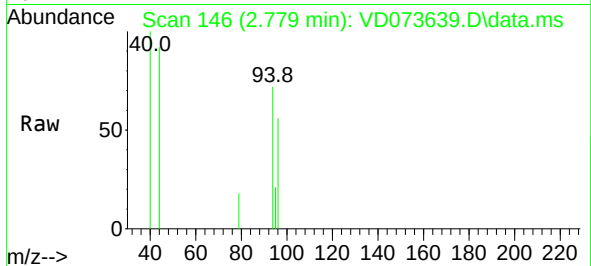




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

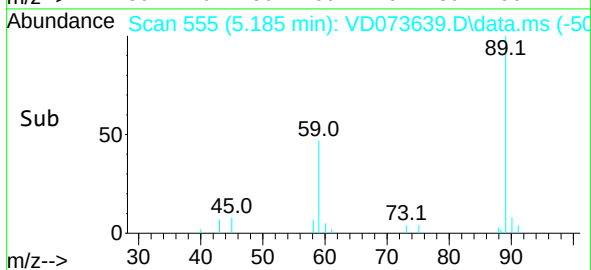
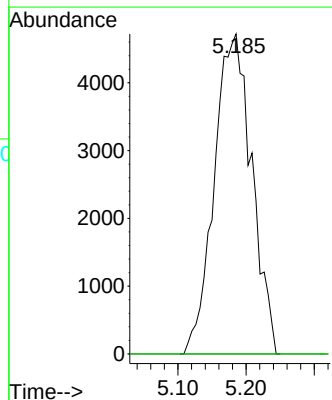
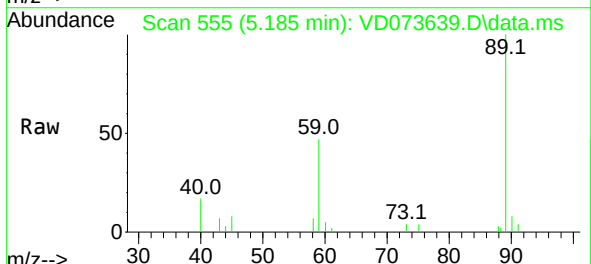
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

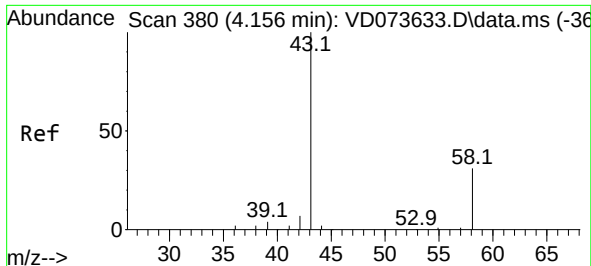
Tgt Ion: 94 Resp: 1217
Ion Ratio Lower Upper
94 100
96 78.0 72.6 108.8



#11
Tert butyl alcohol
Concen: 17.884 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.023 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 59 Resp: 18070
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

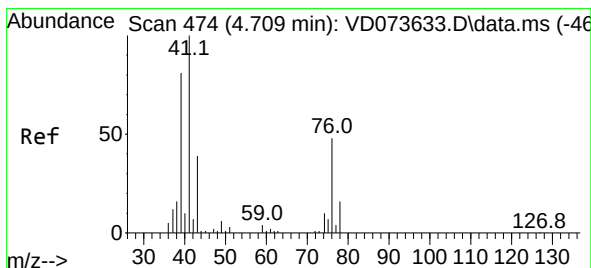
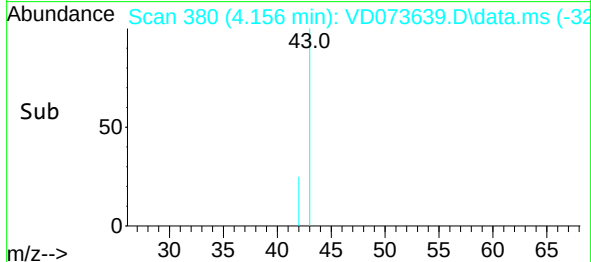
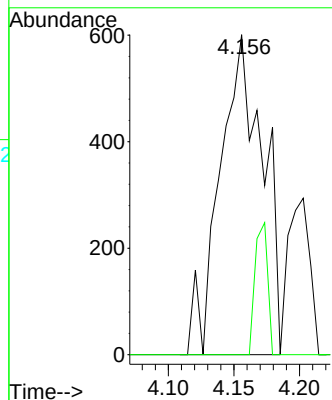
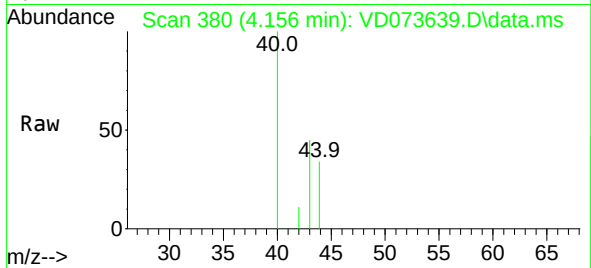




#16
Acetone
Concen: 2.757 ug/l
RT: 4.156 min Scan# 311
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

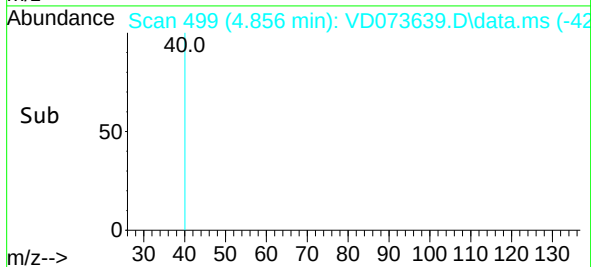
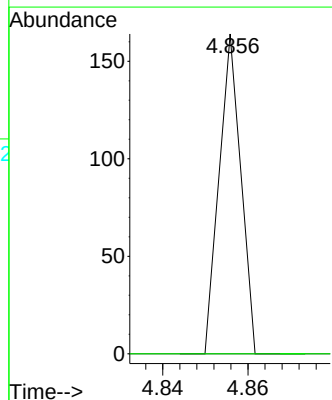
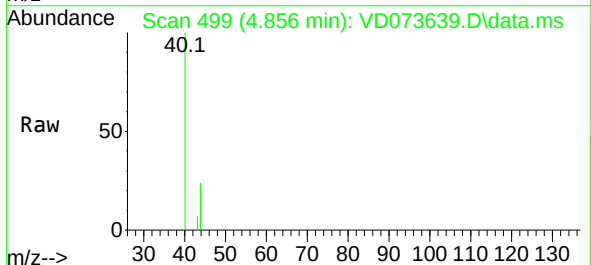
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

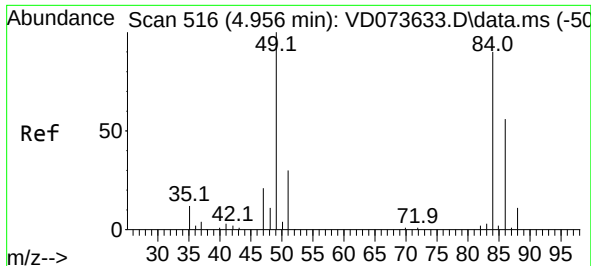
Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 499
Delta R.T. 0.147 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 516

Delta R.T. 0.012 min

Lab File: VD073639.D

Acq: 21 Jun 2022 11:32

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL01

Tgt Ion: 84 Resp: 9789

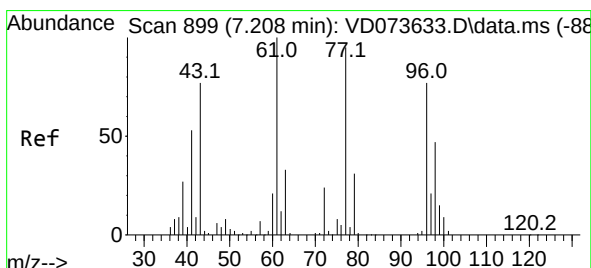
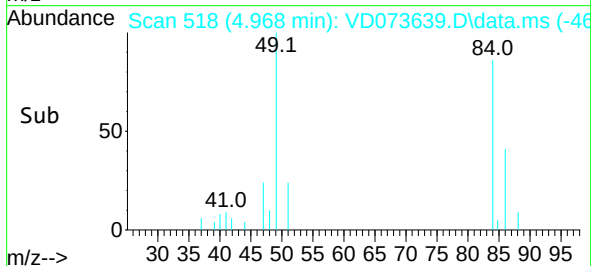
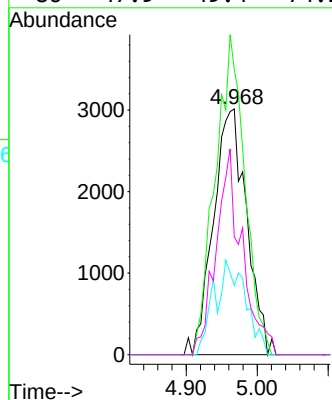
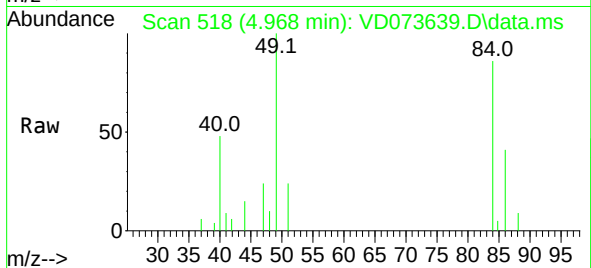
Ion Ratio Lower Upper

84 100

49 116.1 89.0 133.6

51 28.2 26.7 40.1

86 47.9 49.4 74.2#



#25

2-Butanone

Concen: 1.739 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.029 min

Lab File: VD073639.D

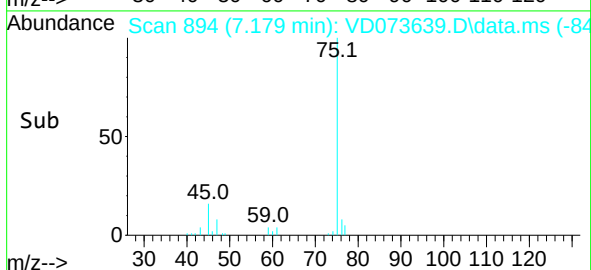
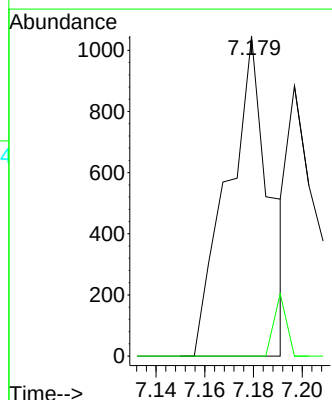
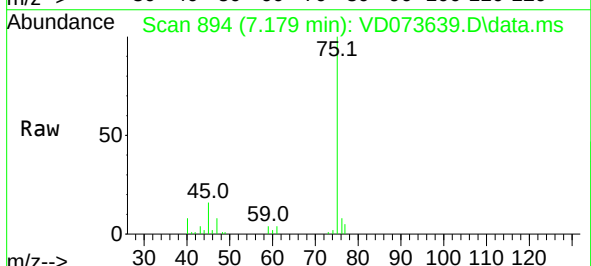
Acq: 21 Jun 2022 11:32

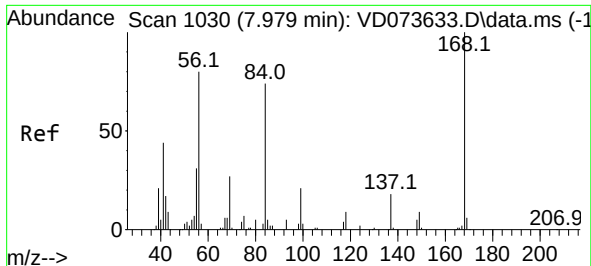
Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

72 0.0 24.7 37.1#

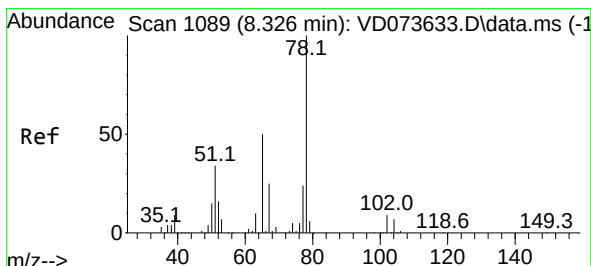
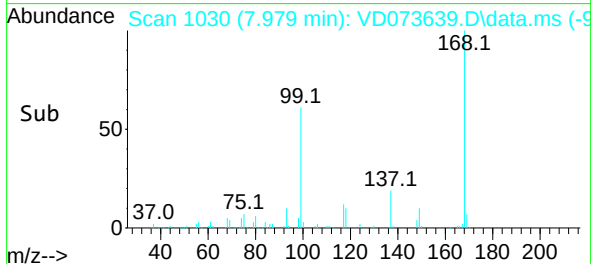
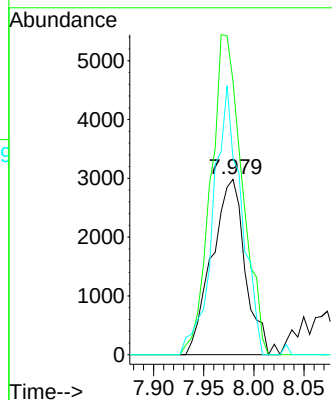
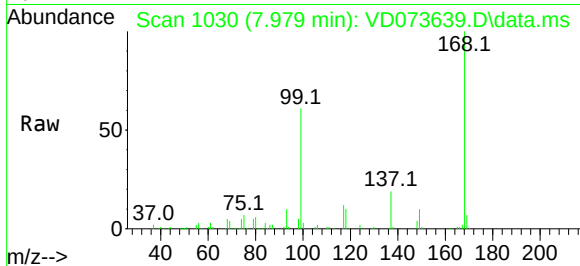




#31
Cyclohexane
Concen: 1.464 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

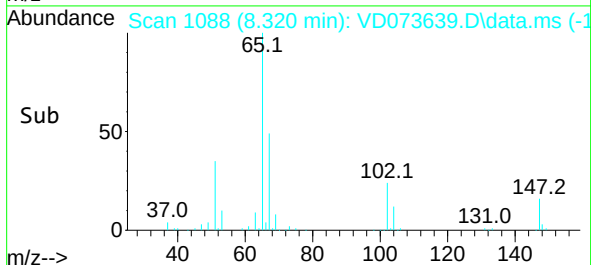
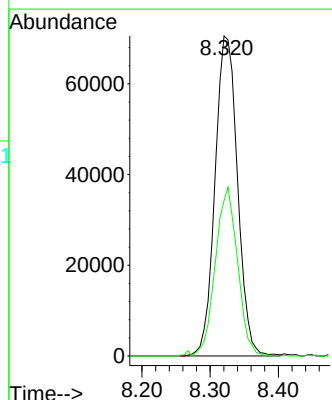
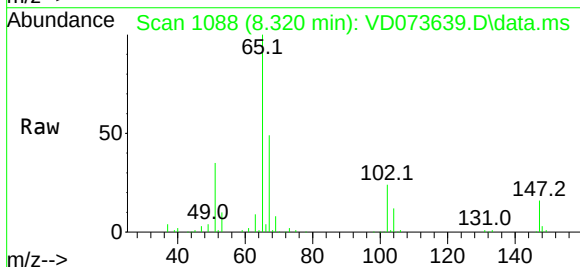
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

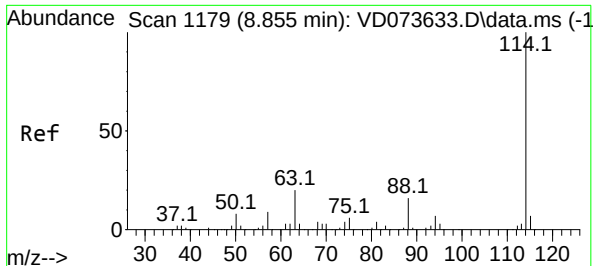
Tgt Ion: 56 Resp: 6898
Ion Ratio Lower Upper
56 100
69 156.0 26.9 40.3#
84 111.7 73.8 110.8#



#33
1,2-Dichloroethane-d4
Concen: 52.328 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 65 Resp: 162104
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073639.D

Acq: 21 Jun 2022 11:32

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBL01

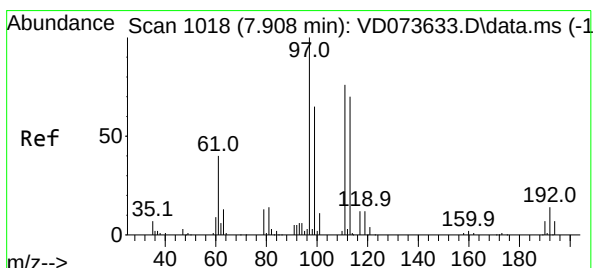
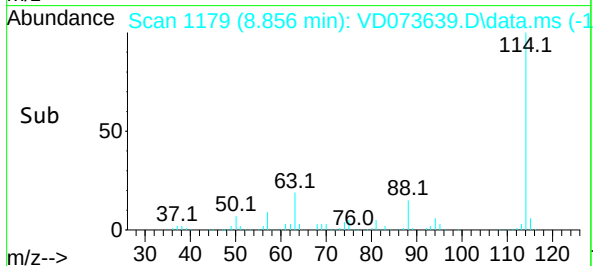
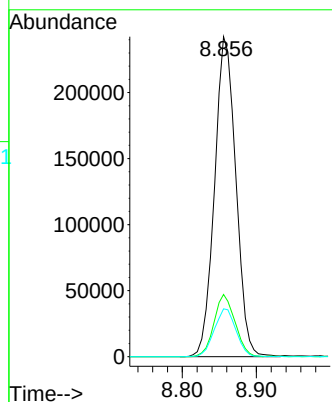
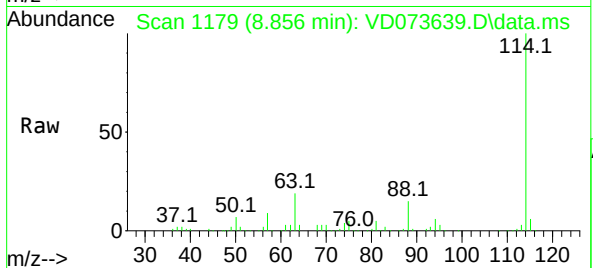
Tgt Ion:114 Resp: 484153

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.578 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073639.D

Acq: 21 Jun 2022 11:32

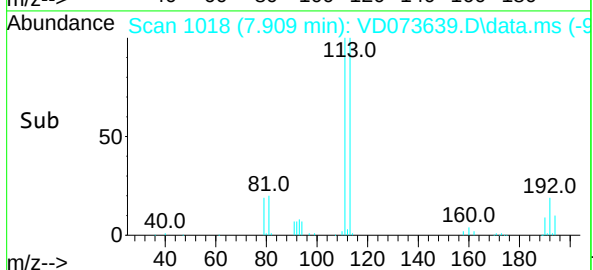
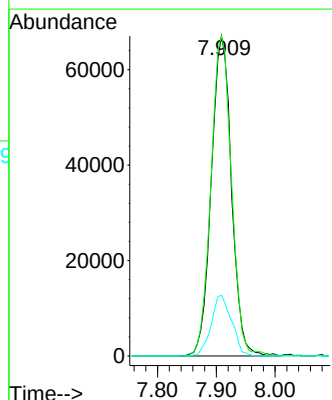
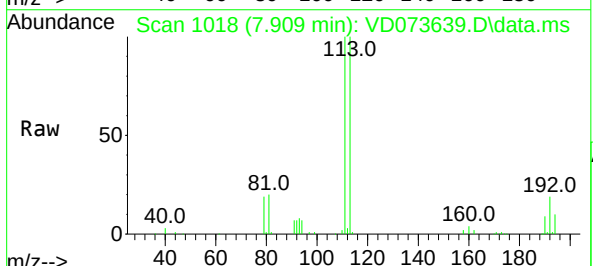
Tgt Ion:113 Resp: 160080

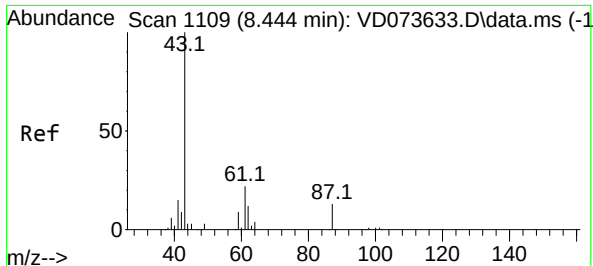
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 19.2 14.3 21.5

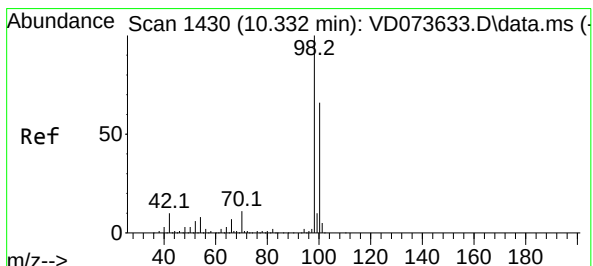
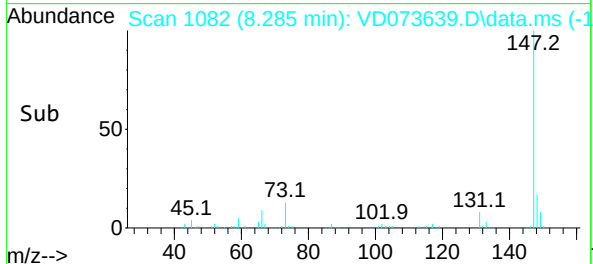
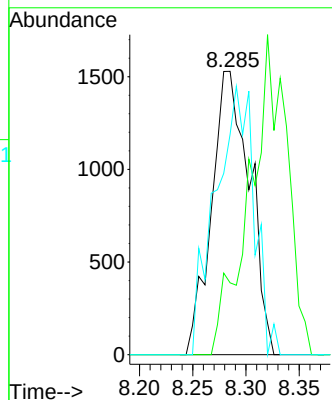
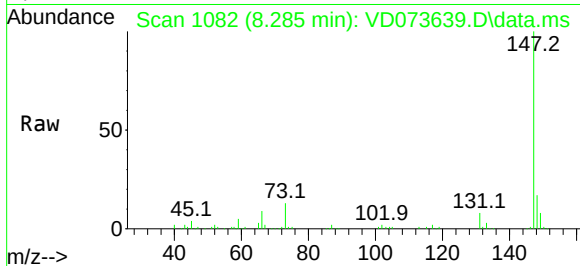




#43
Isopropyl Acetate
Concen: 1.066 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.159 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

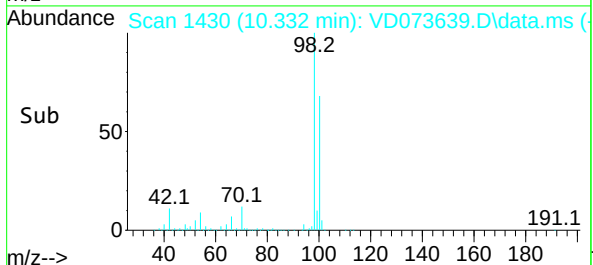
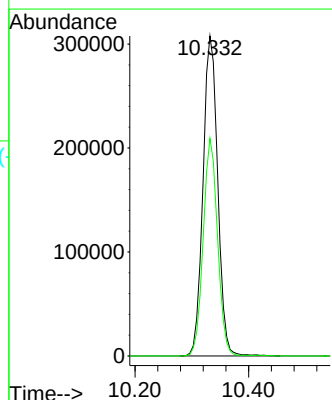
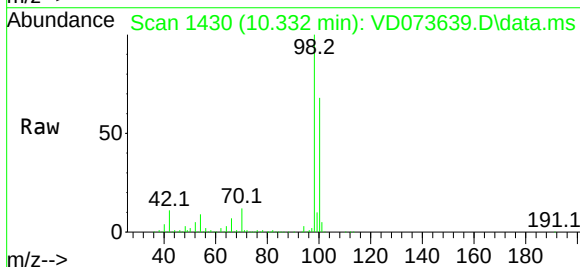
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

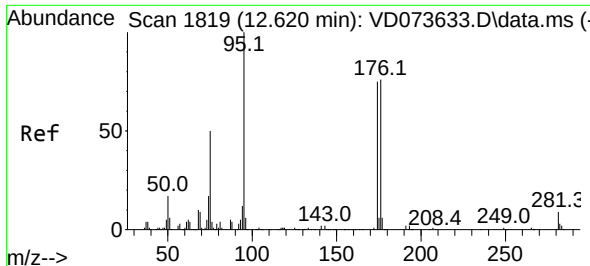
Tgt Ion: 43 Resp: 3799
Ion Ratio Lower Upper
43 100
61 0.0 27.0 40.6#
87 96.3 11.8 17.8#



#50
Toluene-d8
Concen: 43.982 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 98 Resp: 552894
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2

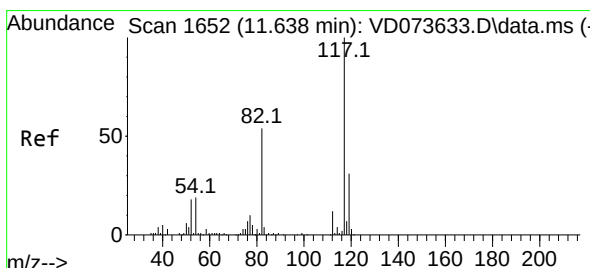
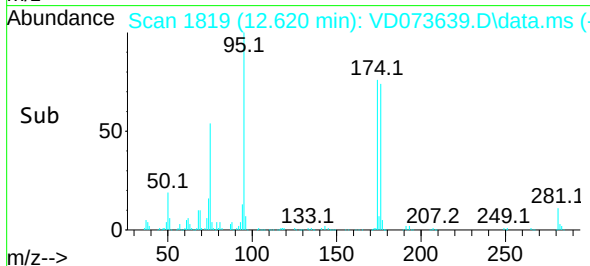
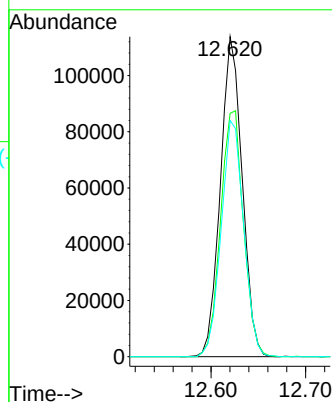
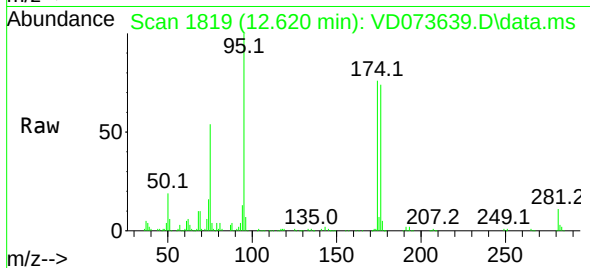




#62
4-Bromofluorobenzene
Concen: 39.543 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

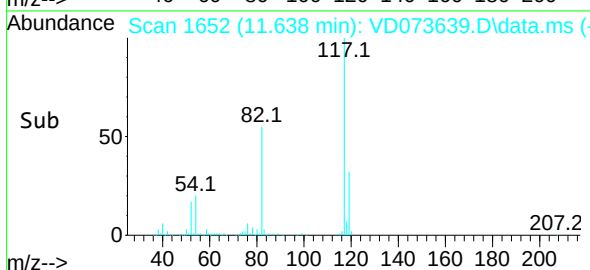
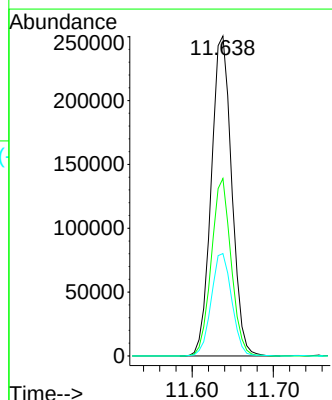
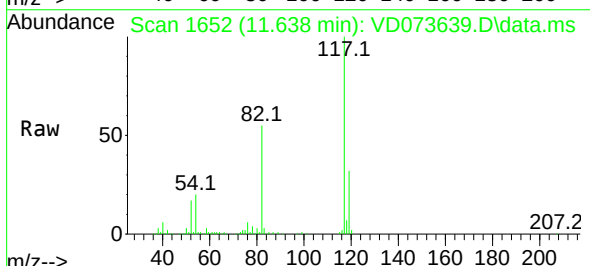
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

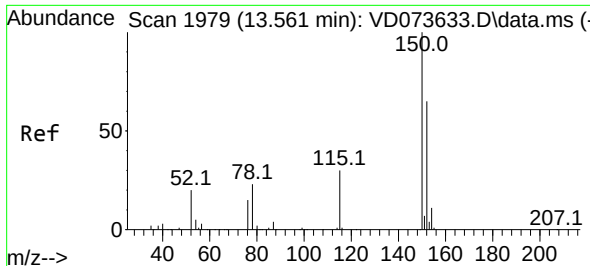
Tgt Ion: 95 Resp: 182298
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.4
176 76.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 117 Resp: 437931
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 32.0 24.5 36.7

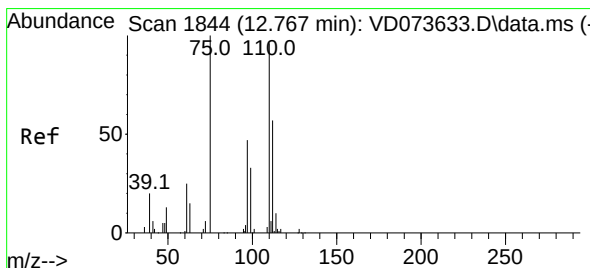
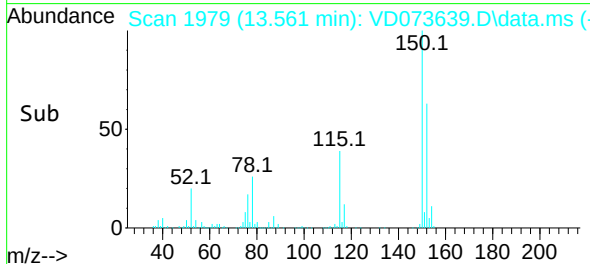
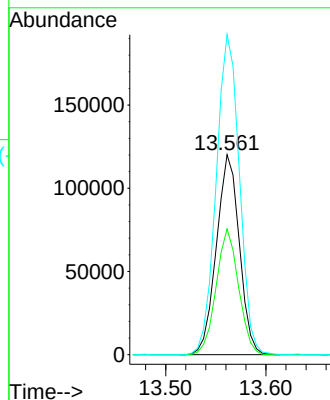
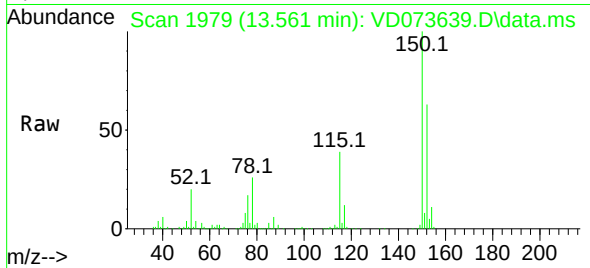




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

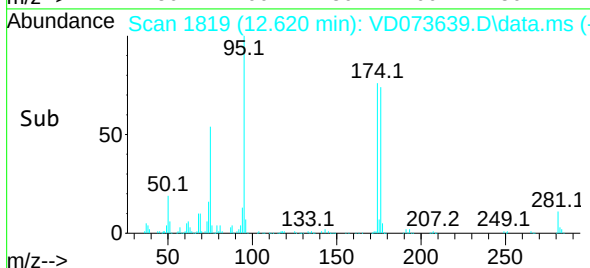
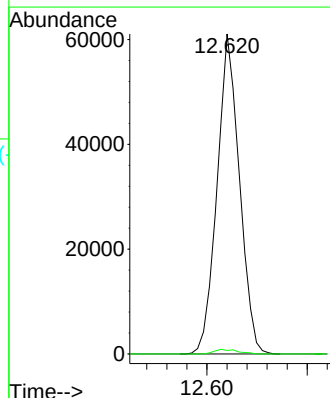
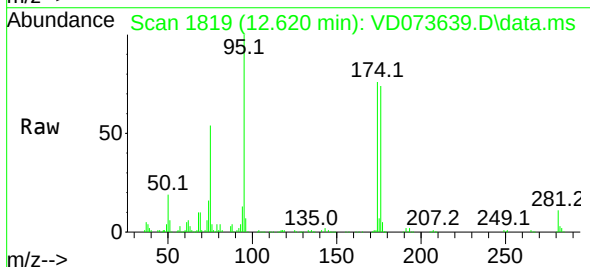
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

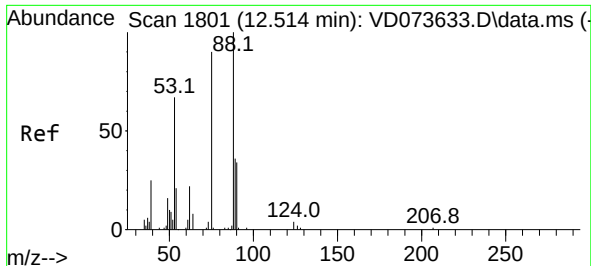
Tgt Ion:152 Resp: 190789
Ion Ratio Lower Upper
152 100
115 61.3 29.6 88.9
150 162.2 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 51.169 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 75 Resp: 94486
Ion Ratio Lower Upper
75 100
77 1.5 208.9 626.7#

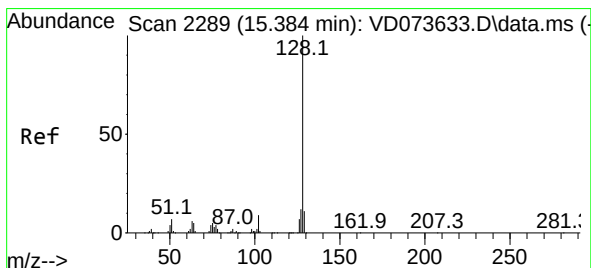
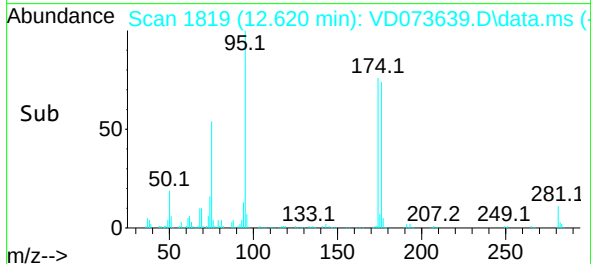
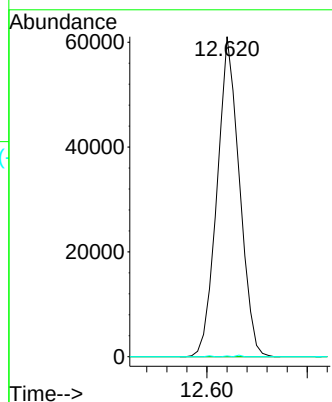
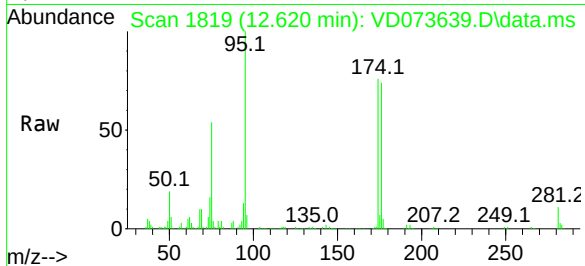




#81
trans-1,4-Dichloro-2-butene
Concen: 118.088 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBL01

Tgt Ion: 75 Resp: 94486
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.2 35.8 53.8#



#95
Naphthalene
Concen: 2.803 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD073639.D
Acq: 21 Jun 2022 11:32

Tgt Ion: 128 Resp: 824
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.6#

