

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062122\
 Data File : VD073644.D
 Acq On : 21 Jun 2022 13:55
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 22 06:01:05 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)

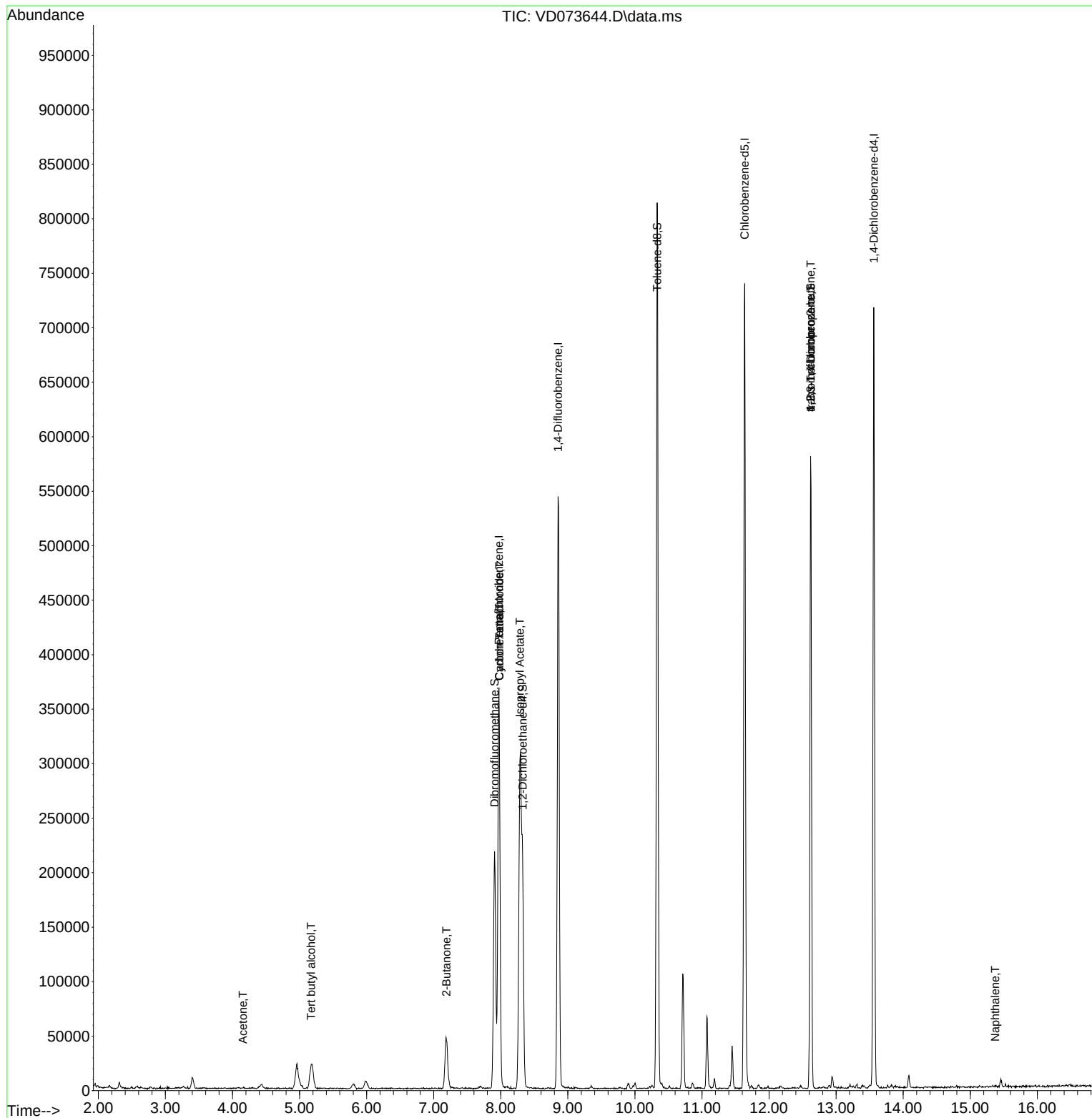
Internal Standards						
1) Pentafluorobenzene	7.973	168	266140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	471744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	434109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	189727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151456	49.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.920%
35) Dibromofluoromethane	7.908	113	155518	45.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.880%
50) Toluene-d8	10.332	98	548509	44.780	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.560%
62) 4-Bromofluorobenzene	12.620	95	182300	40.584	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1195	Below Cal		80
5) Bromomethane	2.773	94	789	Below Cal	#	78
11) Tert butyl alcohol	5.173	59	21606	41.193	ug/l #	78
16) Acetone	4.156	43	2064	4.240	ug/l #	77
18) Methyl Acetate	4.532	43	62	Below Cal	#	48
20) Methylene Chloride	4.956	84	16299	Below Cal	#	92
25) 2-Butanone	7.191	43	2824	3.985	ug/l #	44
31) Cyclohexane	7.979	56	6173	1.325	ug/l #	39
38) Carbon Tetrachloride	7.979	117	28379	5.213	ug/l #	16
43) Isopropyl Acetate	8.285	43	6504	1.873	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	95146	51.815	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	95146	119.579	ug/l #	14
95) Naphthalene	15.373	128	1395	2.884	ug/l #	81

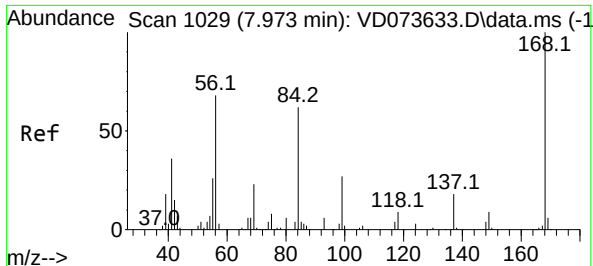
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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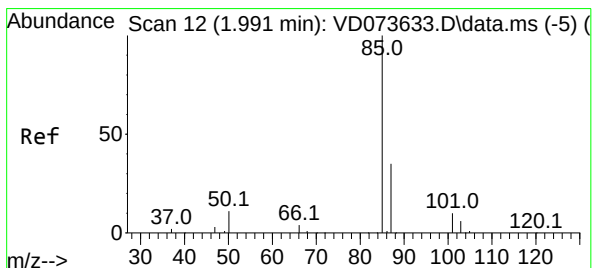
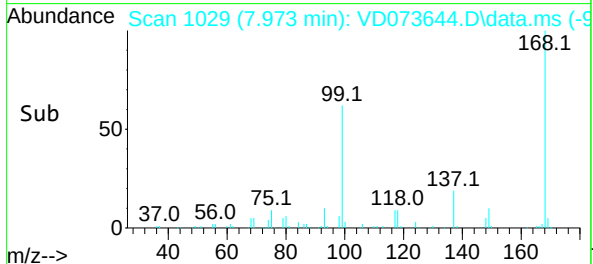
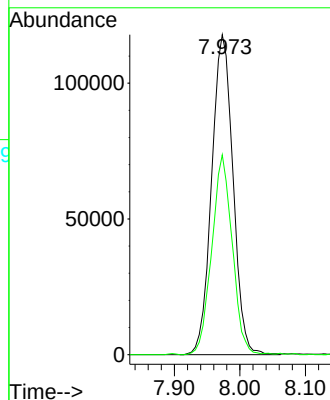
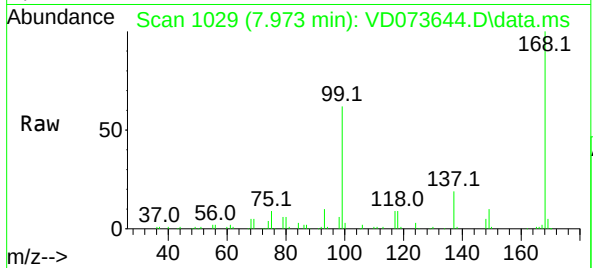




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

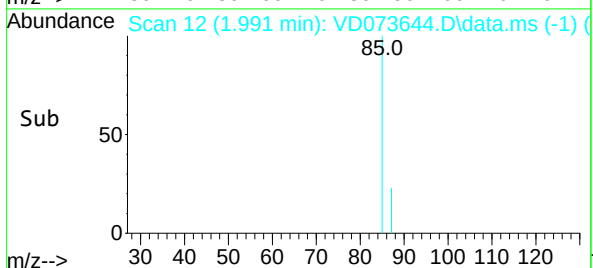
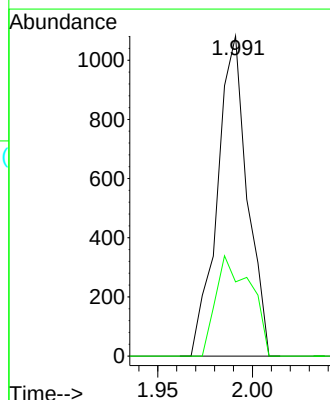
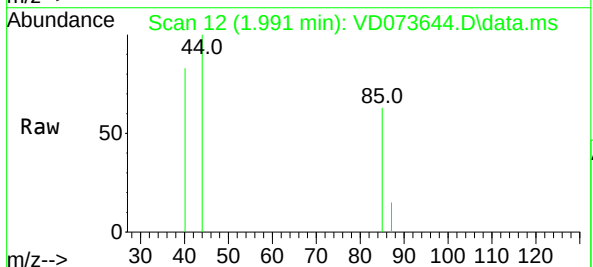
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

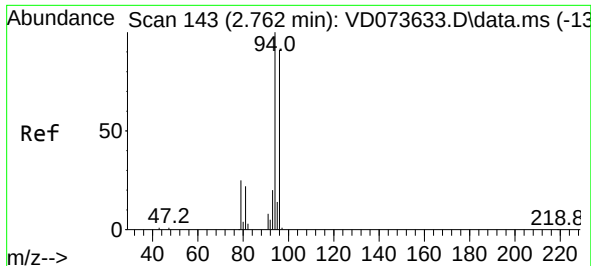
Tgt Ion:168 Resp: 266140
Ion Ratio Lower Upper
168 100
99 62.5 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 85 Resp: 1195
Ion Ratio Lower Upper
85 100
87 23.2 17.4 52.2

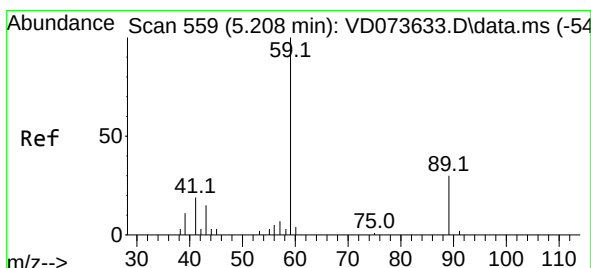
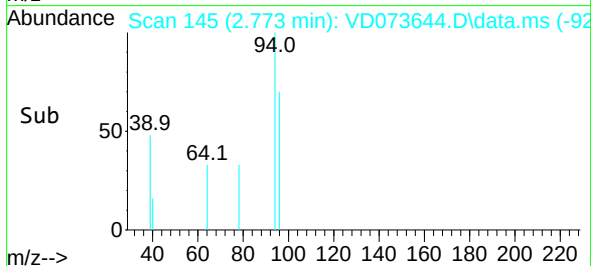
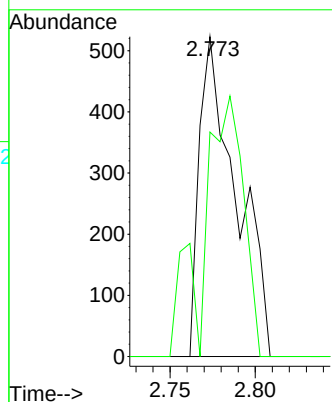
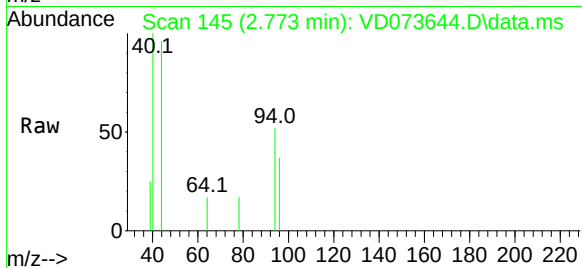




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

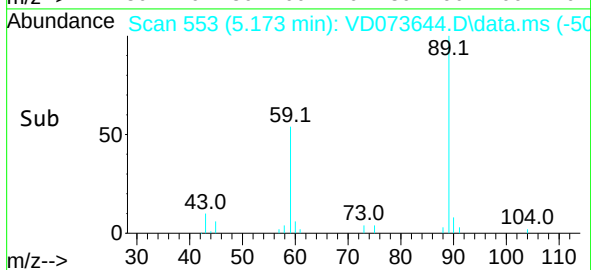
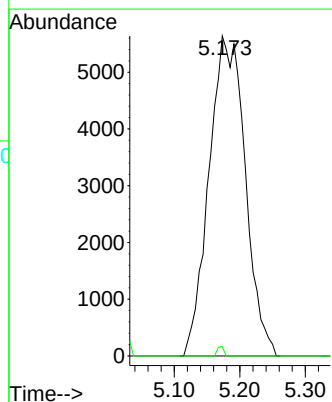
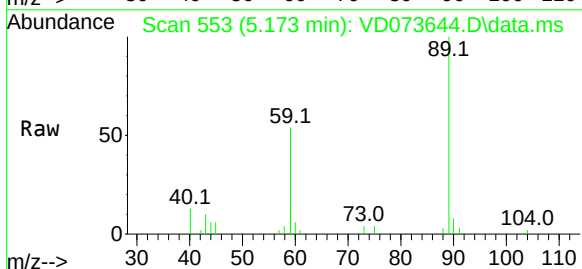
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

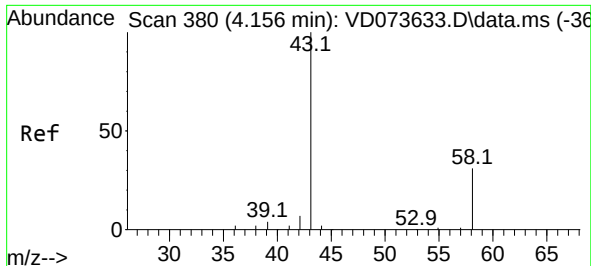
Tgt Ion: 94 Resp: 789
Ion Ratio Lower Upper
94 100
96 70.2 72.6 108.8#



#11
Tert butyl alcohol
Concen: 41.193 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.035 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 59 Resp: 21606
Ion Ratio Lower Upper
59 100
57 0.5 6.7 10.1#

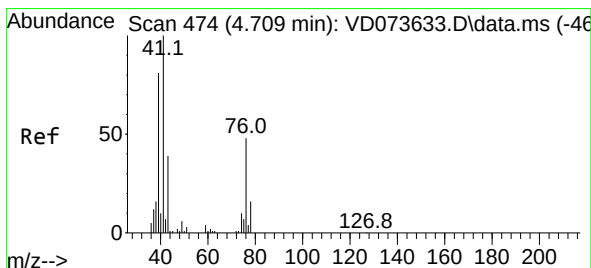
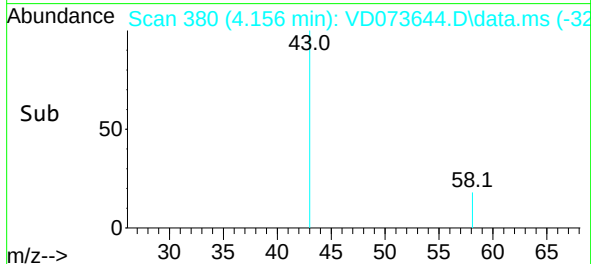
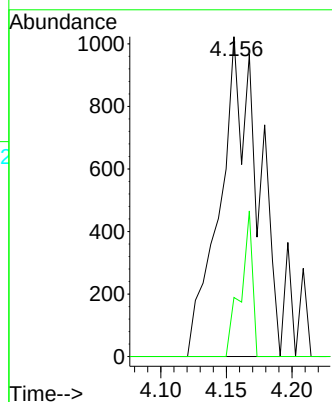
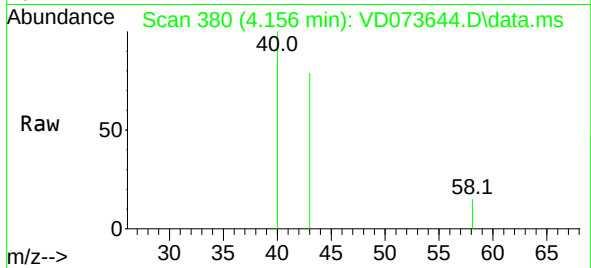




#16
Acetone
Concen: 4.240 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

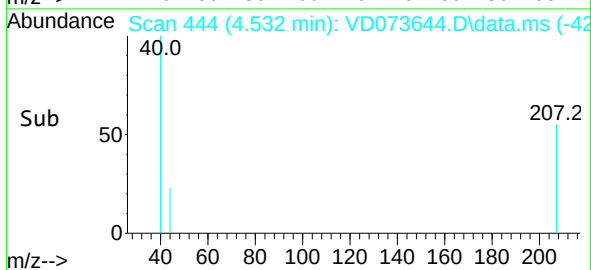
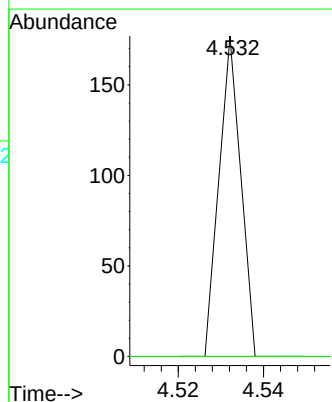
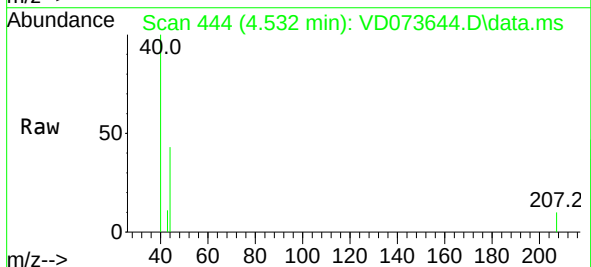
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

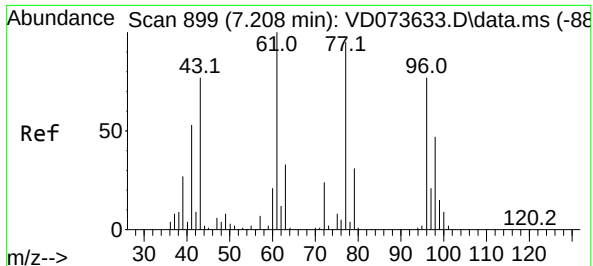
Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
58 18.5 25.0 37.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.532 min Scan# 444
Delta R.T. -0.177 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#25

2-Butanone

Concen: 3.985 ug/l

RT: 7.191 min Scan# 899

Delta R.T. -0.018 min

Lab File: VD073644.D

Acq: 21 Jun 2022 13:55

Instrument :

MSVOA_D

ClientSampleId :

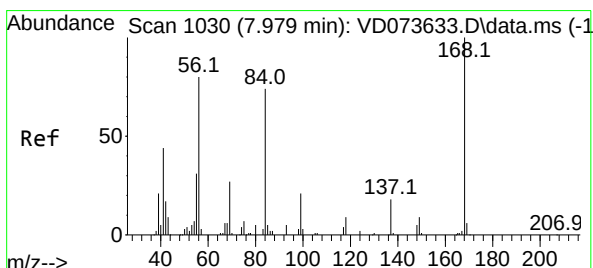
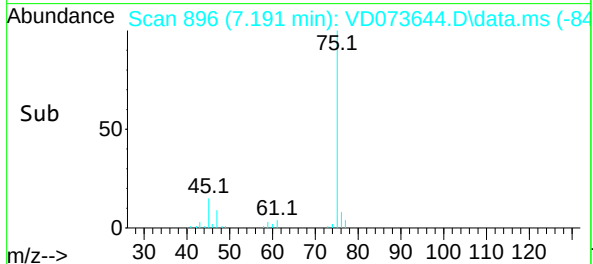
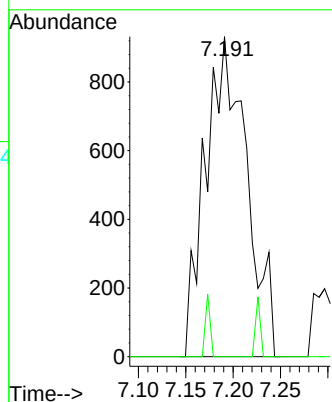
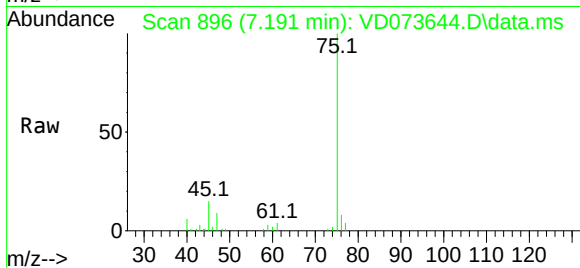
VIBLK

Tgt Ion: 43 Resp: 2824

Ion Ratio Lower Upper

43 100

72 0.0 24.7 37.1#



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073644.D

Acq: 21 Jun 2022 13:55

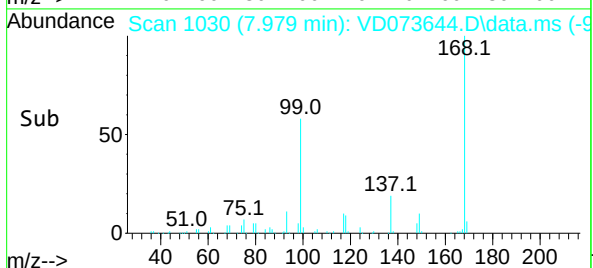
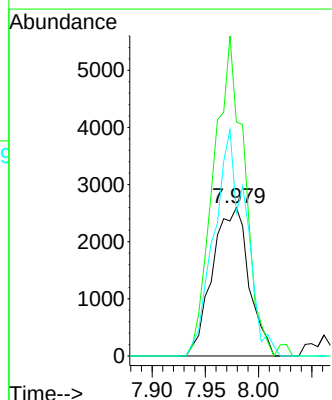
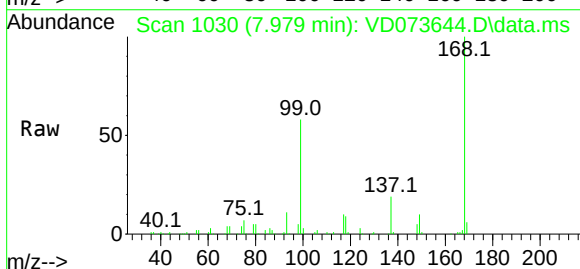
Tgt Ion: 56 Resp: 6173

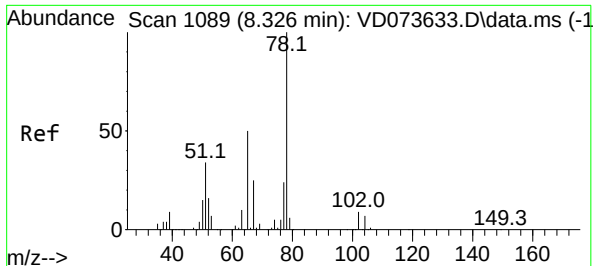
Ion Ratio Lower Upper

56 100

69 157.8 26.9 40.3#

84 96.5 73.8 110.8





#33

1,2-Dichloroethane-d4

Concen: 49.459 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073644.D

Acq: 21 Jun 2022 13:55

Instrument :

MSVOA_D

ClientSampleId :

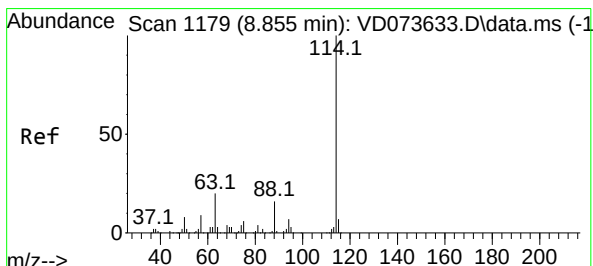
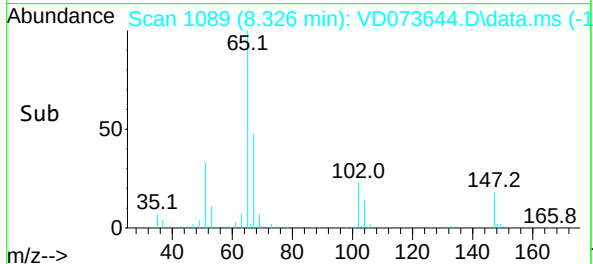
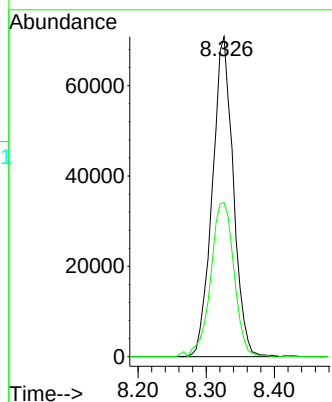
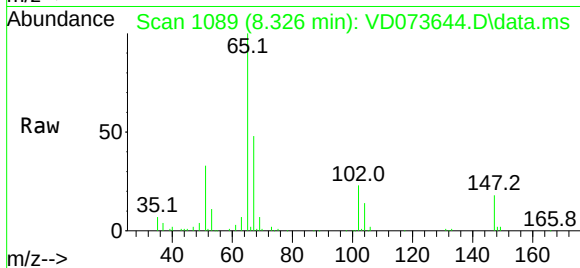
VIBLK

Tgt Ion: 65 Resp: 151456

Ion Ratio Lower Upper

65 100

67 53.9 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: VD073644.D

Acq: 21 Jun 2022 13:55

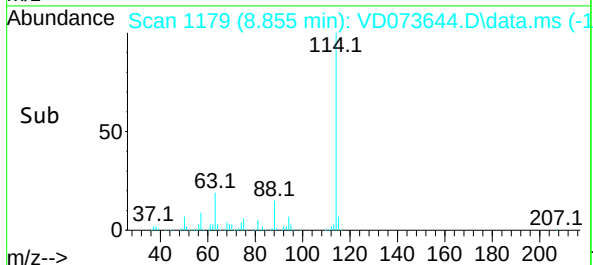
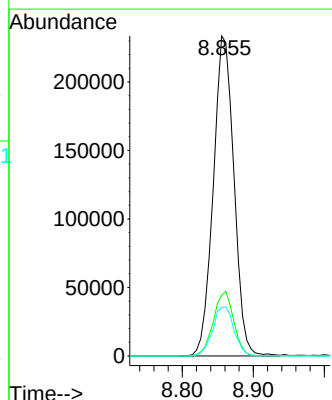
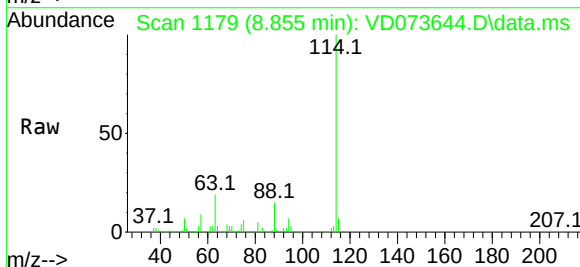
Tgt Ion: 114 Resp: 471744

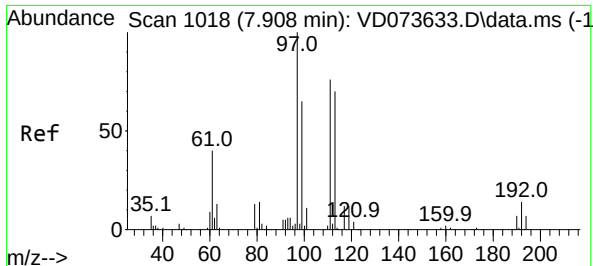
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.4

88 15.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.443 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073644.D

Acq: 21 Jun 2022 13:55

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

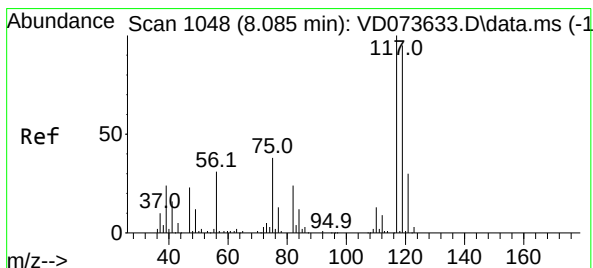
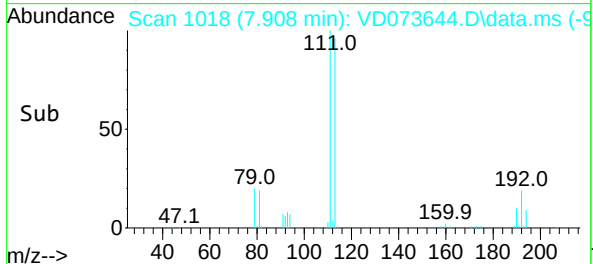
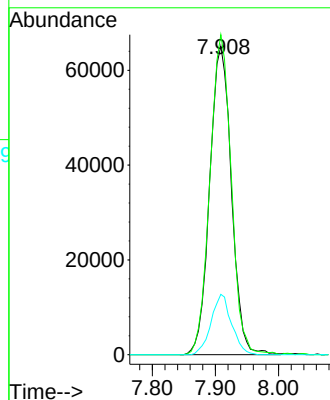
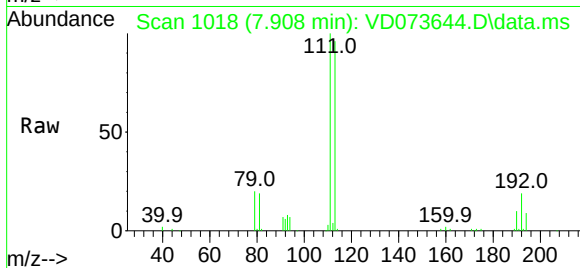
Tgt Ion:113 Resp: 155518

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 18.4 14.3 21.5



#38

Carbon Tetrachloride

Concen: 5.213 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.106 min

Lab File: VD073644.D

Acq: 21 Jun 2022 13:55

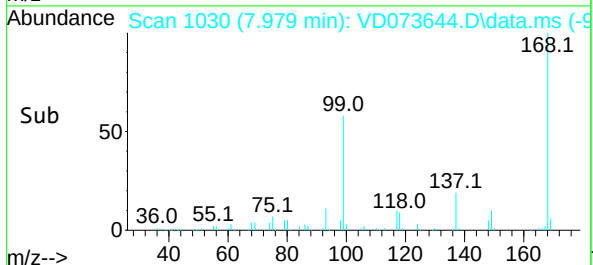
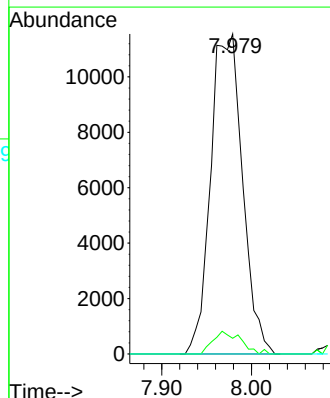
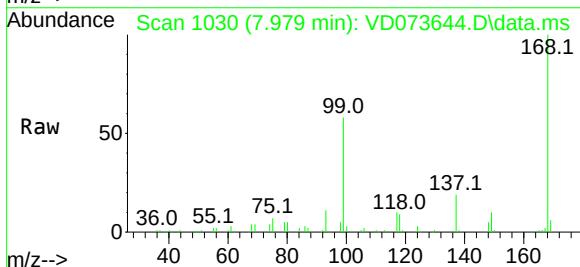
Tgt Ion:117 Resp: 28379

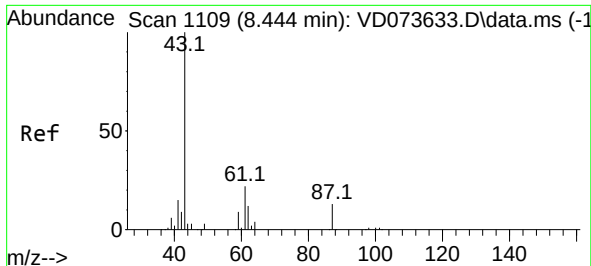
Ion Ratio Lower Upper

117 100

119 4.9 75.6 113.4#

121 0.0 24.2 36.4#

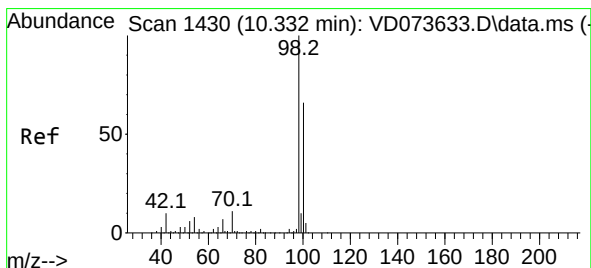
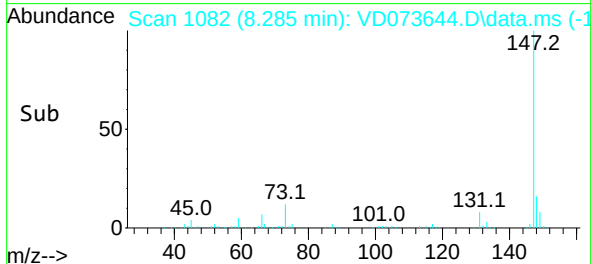
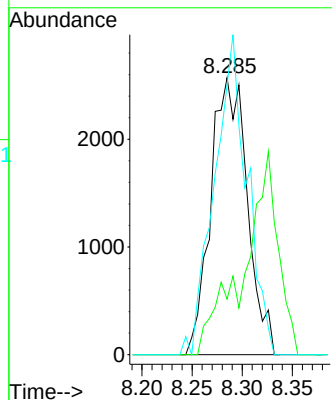
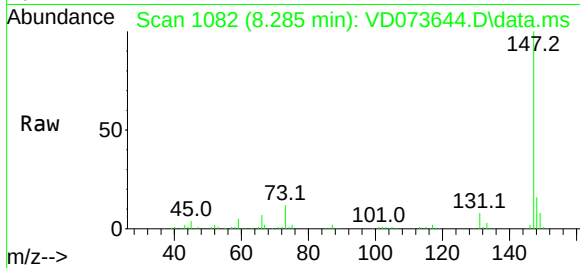




#43
Isopropyl Acetate
Concen: 1.873 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.159 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

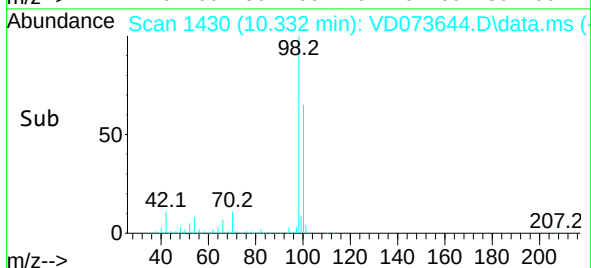
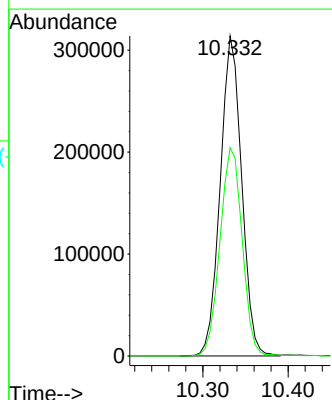
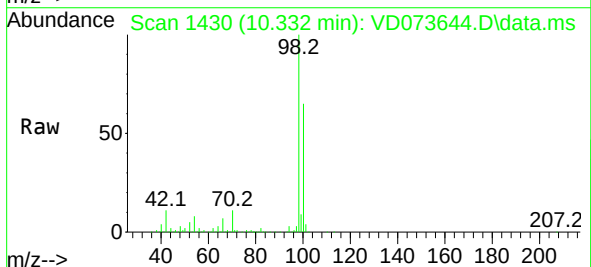
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

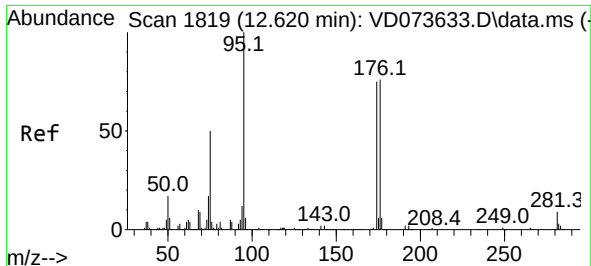
Tgt Ion: 43 Resp: 6504
Ion Ratio Lower Upper
43 100
61 0.0 27.0 40.6#
87 103.4 11.8 17.8#



#50
Toluene-d8
Concen: 44.780 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 98 Resp: 548509
Ion Ratio Lower Upper
98 100
100 67.5 51.4 77.2

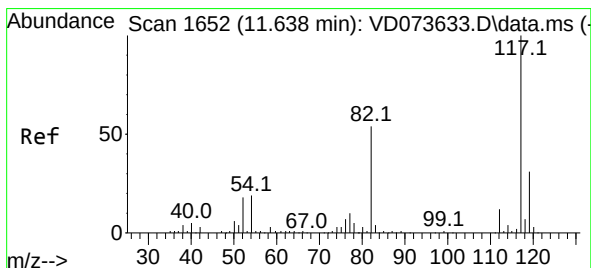
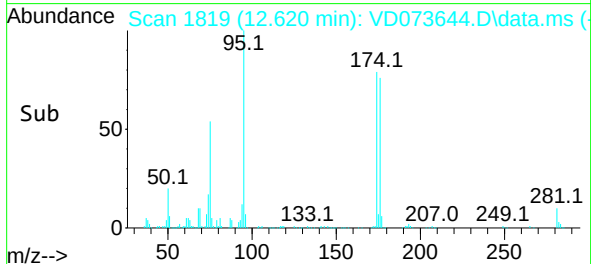
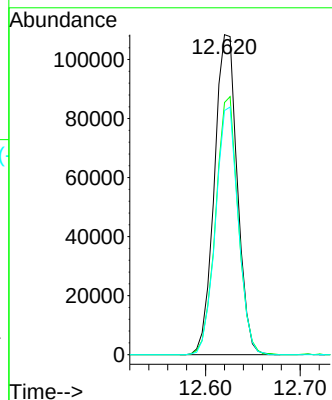
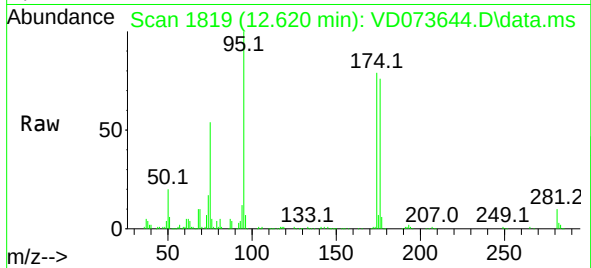




#62
4-Bromofluorobenzene
Concen: 40.584 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

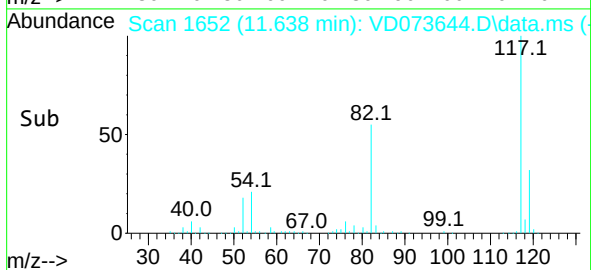
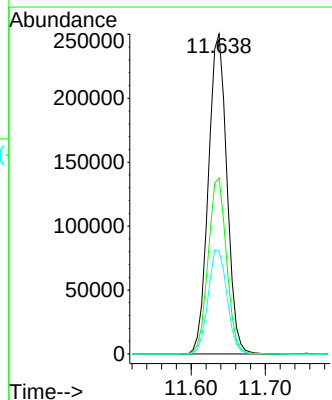
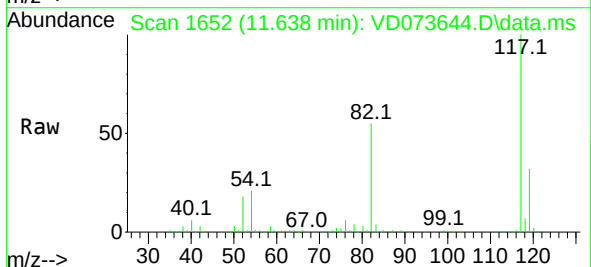
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

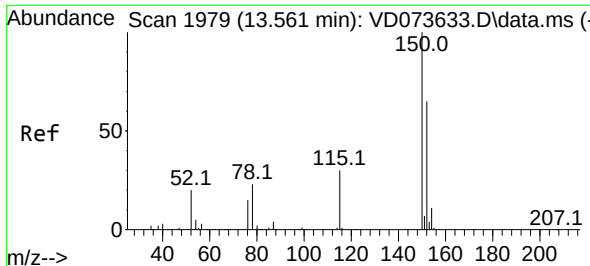
Tgt Ion: 95 Resp: 182300
Ion Ratio Lower Upper
95 100
174 78.8 0.0 156.4
176 76.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 117 Resp: 434109
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.1 24.5 36.7

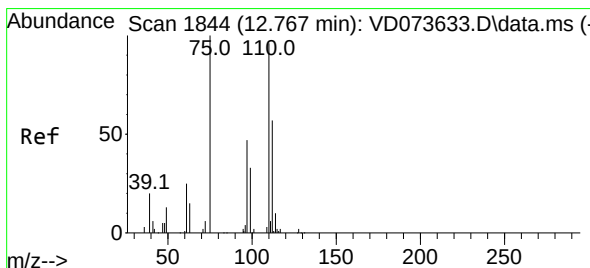
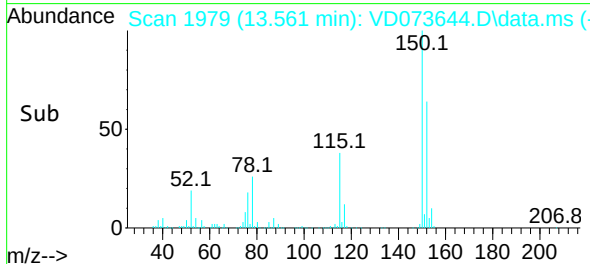
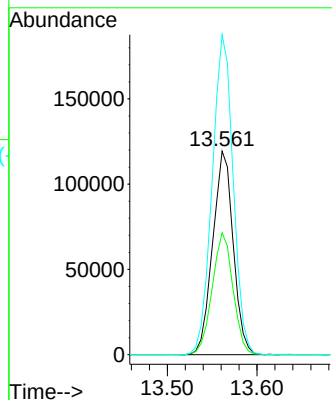
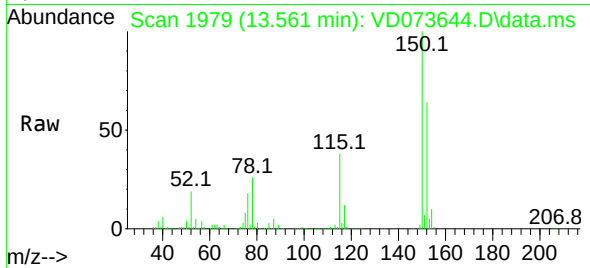




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073644.D
 Acq: 21 Jun 2022 13:55

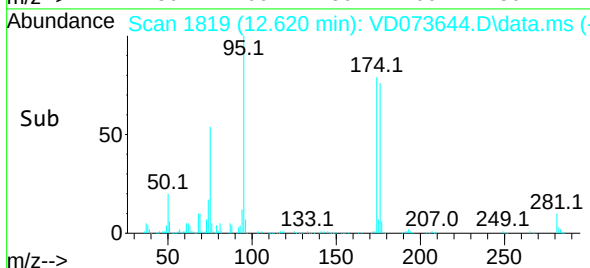
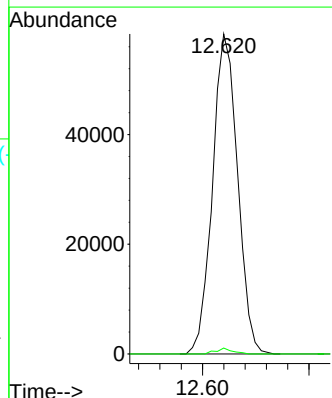
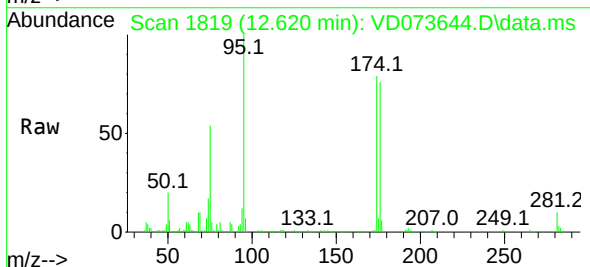
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

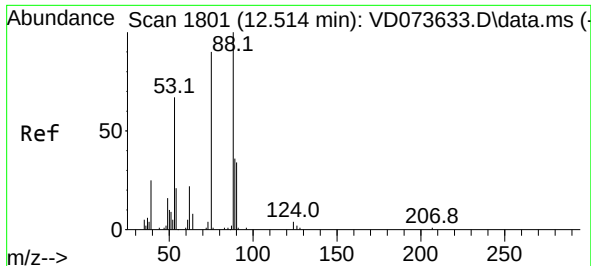
Tgt Ion:152 Resp: 189727
 Ion Ratio Lower Upper
 152 100
 115 60.7 29.6 88.9
 150 160.3 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 51.815 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073644.D
 Acq: 21 Jun 2022 13:55

Tgt Ion: 75 Resp: 95146
 Ion Ratio Lower Upper
 75 100
 77 1.2 208.9 626.7#

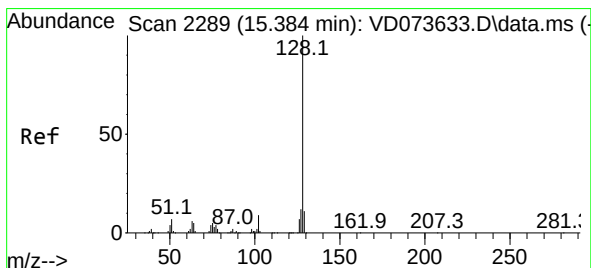
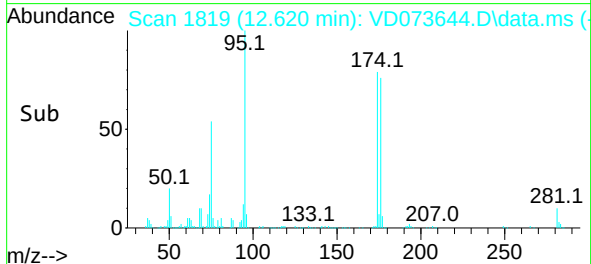
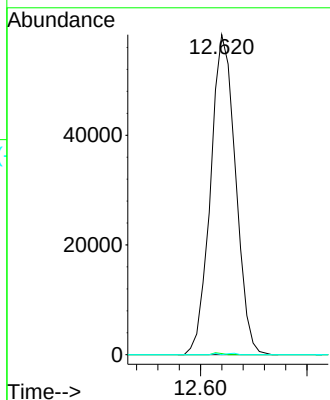
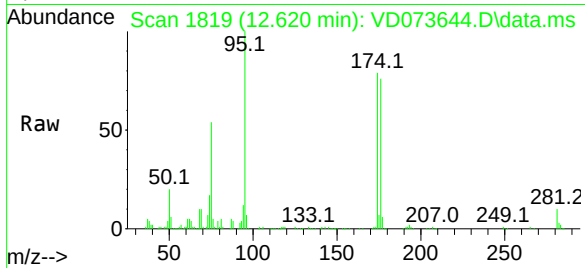




#81
trans-1,4-Dichloro-2-butene
Concen: 119.579 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 95146
Ion Ratio Lower Upper
75 100
53 0.2 70.5 105.7#
89 0.1 35.8 53.8#



#95
Naphthalene
Concen: 2.884 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD073644.D
Acq: 21 Jun 2022 13:55

Tgt Ion: 128 Resp: 1395
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 10.0 9.0 13.6

