

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073658.D
 Acq On : 22 Jun 2022 16:50
 Operator : VA/SY
 Sample : N3421-03
 Misc : 5.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-21-23-20220620

Quant Time: Jun 23 09:28:52 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)

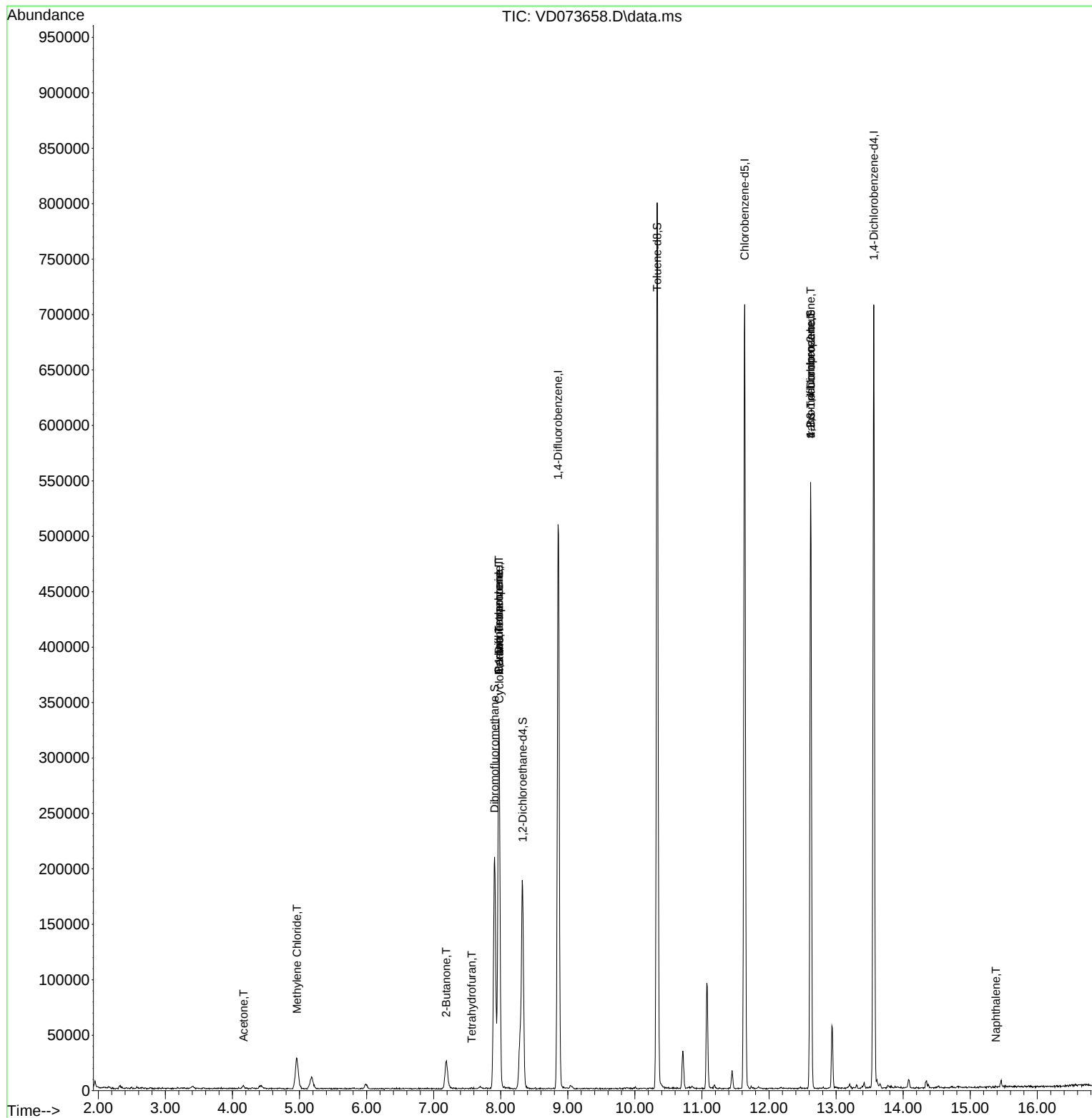
Internal Standards						
1) Pentafluorobenzene	7.973	168	242975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	453407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	416320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	189146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	148849	53.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.480%	
35) Dibromofluoromethane	7.909	113	150412	45.729	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.460%	
50) Toluene-d8	10.332	98	532178	45.204	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.400%	
62) 4-Bromofluorobenzene	12.620	95	176213	40.815	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	296	Below Cal		81
5) Bromomethane	2.791	94	561	Below Cal	#	4
11) Tert butyl alcohol	5.185	59	9202	Below Cal	#	76
16) Acetone	4.168	43	3501	7.877	ug/l #	77
18) Methyl Acetate	4.926	43	63	Below Cal	#	48
20) Methylene Chloride	4.962	84	21835	2.373	ug/l	89
25) 2-Butanone	7.185	43	1048	1.620	ug/l #	44
29) Tetrahydrofuran	7.567	42	426	1.062	ug/l #	58
31) Cyclohexane	7.979	56	4814	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	18689	4.056	ug/l #	49
38) Carbon Tetrachloride	7.973	117	25688	4.909	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	90902	49.656	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	90902	114.596	ug/l #	14
95) Naphthalene	15.385	128	323	2.733	ug/l #	69

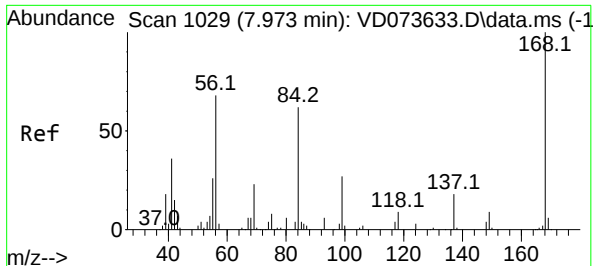
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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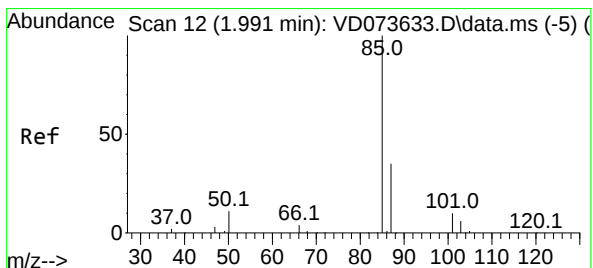
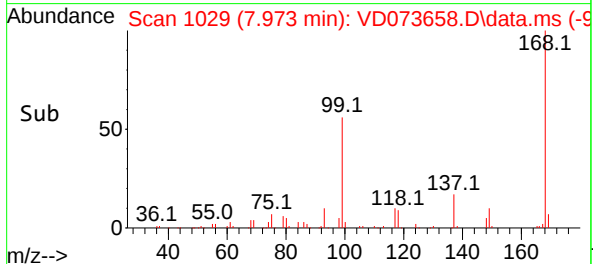
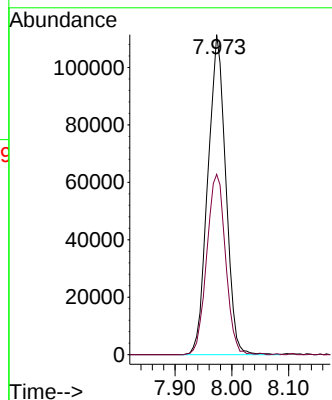
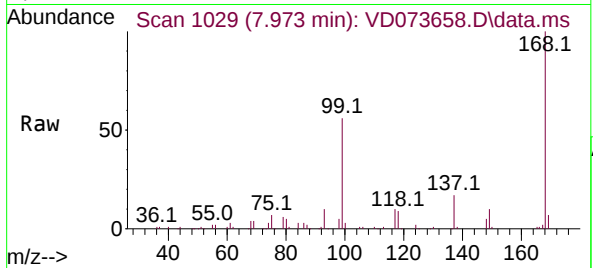




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

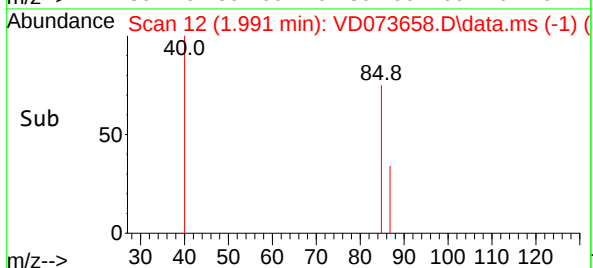
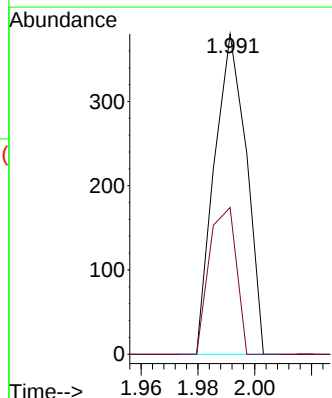
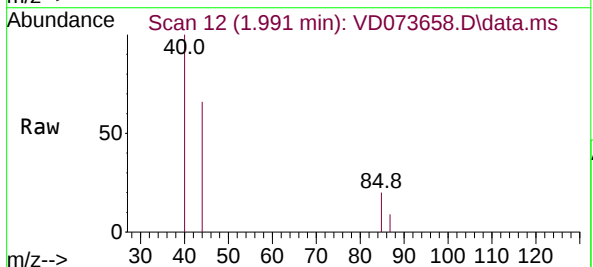
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

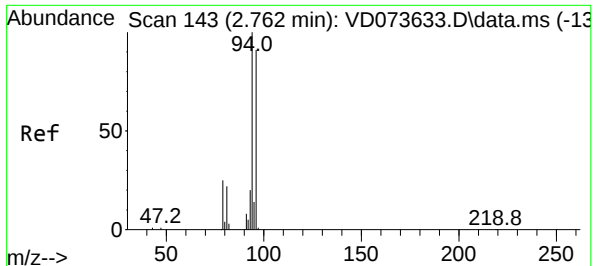
Tgt Ion:168 Resp: 242975
Ion Ratio Lower Upper
168 100
99 56.3 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 85 Resp: 296
Ion Ratio Lower Upper
85 100
87 45.8 17.4 52.2

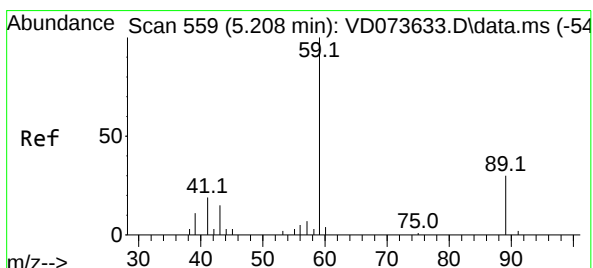
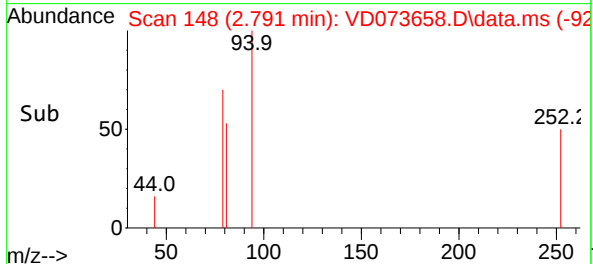
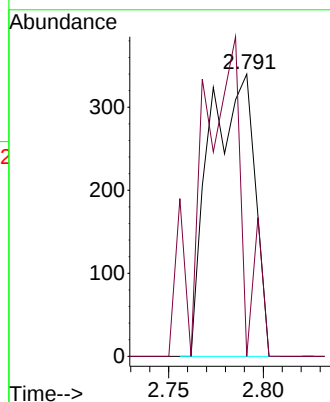
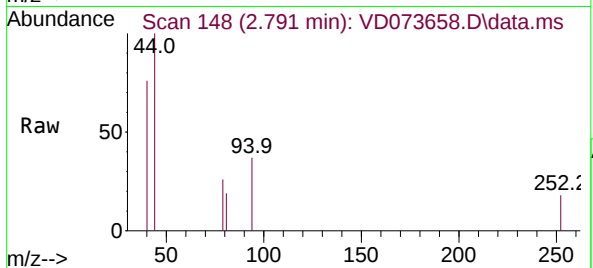




#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 14
Delta R.T. 0.029 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

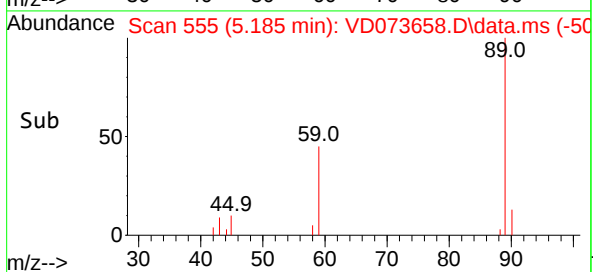
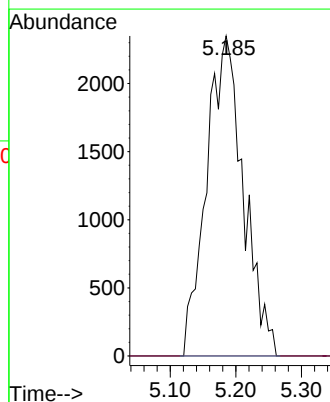
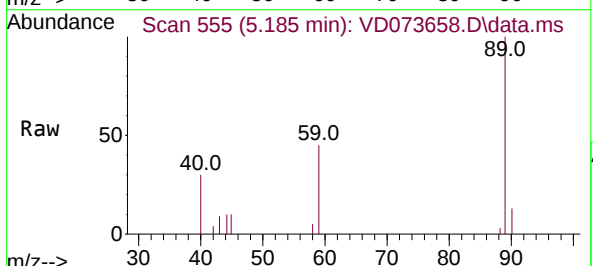
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

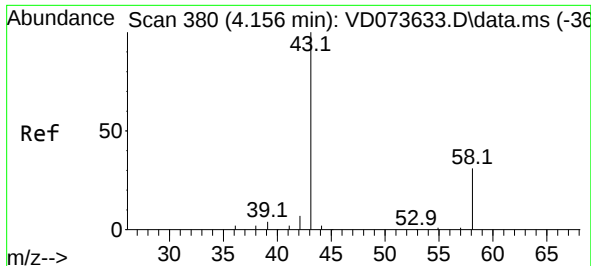
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 0.0 72.6 108.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.023 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 59 Resp: 9202
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

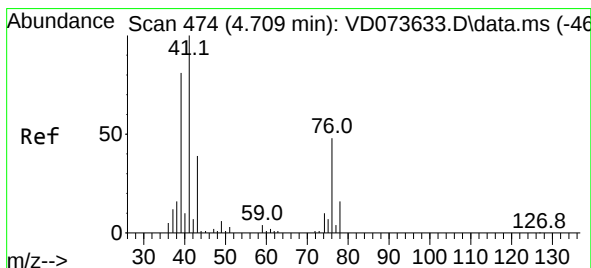
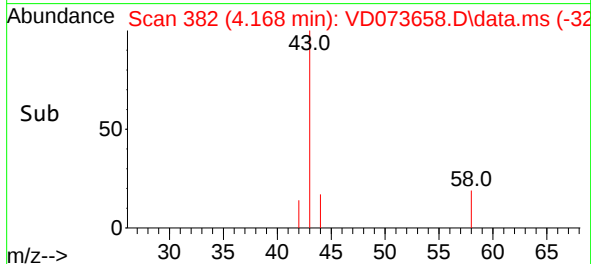
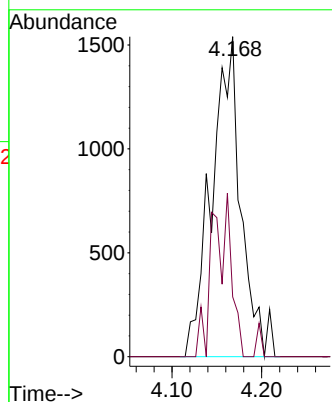
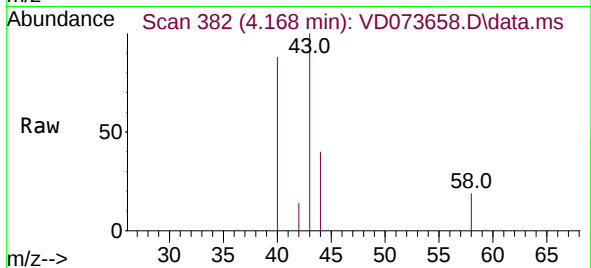




#16
Acetone
Concen: 7.877 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

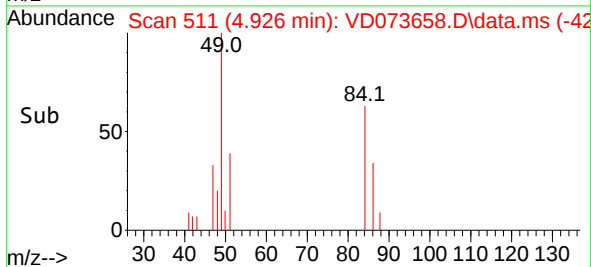
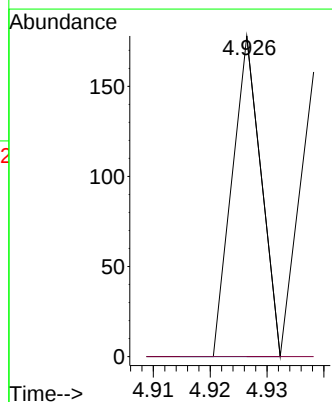
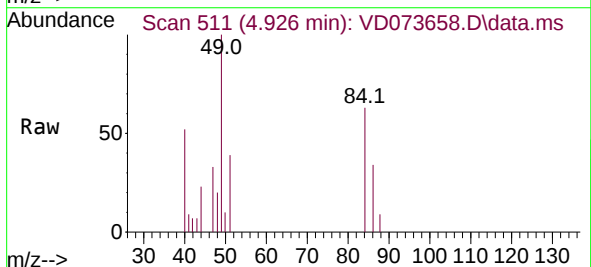
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

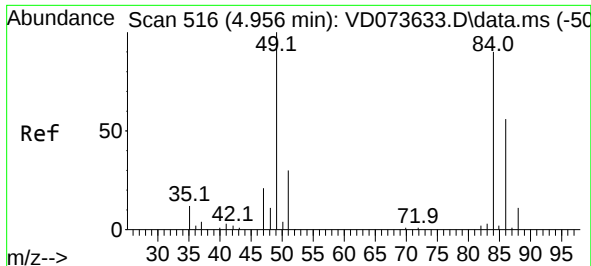
Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
58 18.7 25.0 37.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.217 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

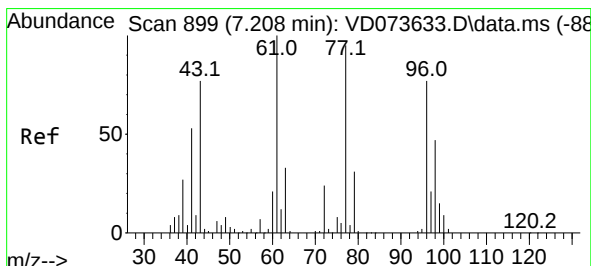
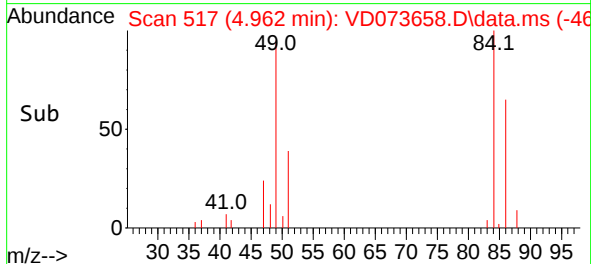
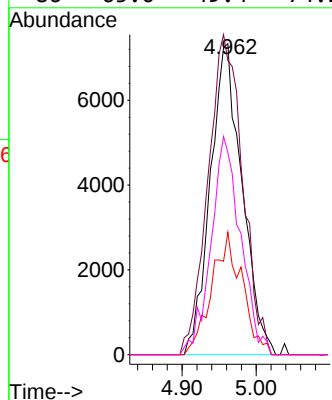
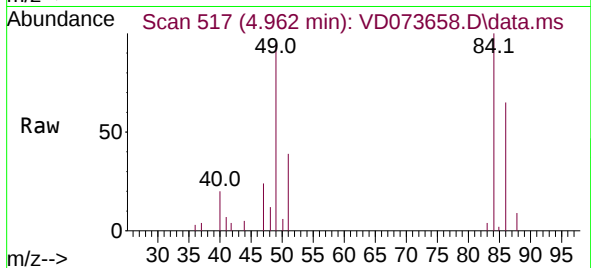




#20
Methylene Chloride
Concen: 2.373 ug/l
RT: 4.962 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

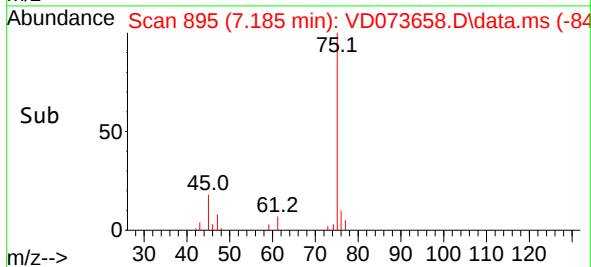
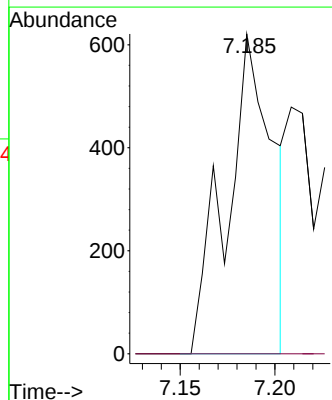
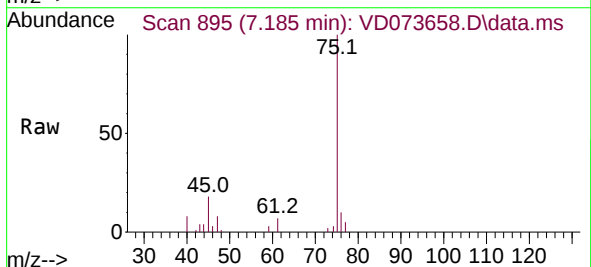
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

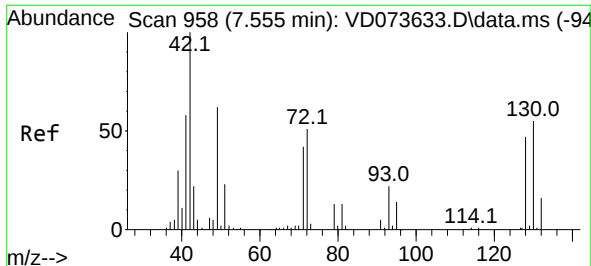
Tgt Ion: 84	Resp: 21835
Ion Ratio	Lower Upper
84 100	
49 94.6	89.0 133.6
51 39.4	26.7 40.1
86 65.0	49.4 74.2



#25
2-Butanone
Concen: 1.620 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 43	Resp: 1048		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	24.7	37.1#	





#29

Tetrahydrofuran

Concen: 1.062 ug/l

RT: 7.567 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD073658.D

Acq: 22 Jun 2022 16:50

Instrument :

MSVOA_D

ClientSampleId :

SB-1-21-23-20220620

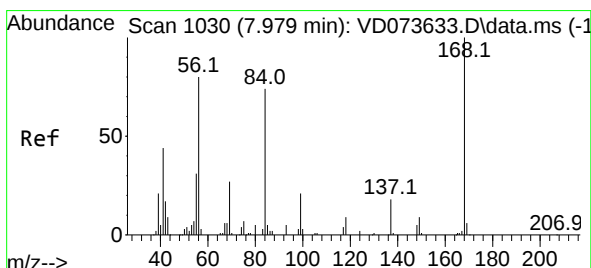
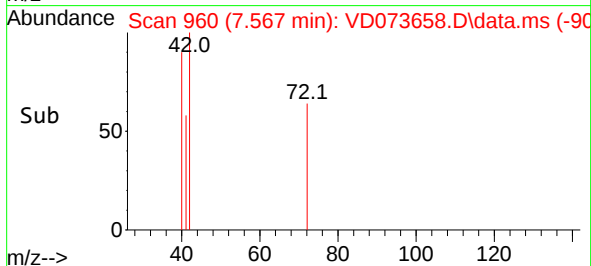
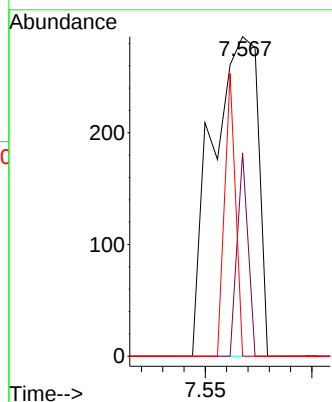
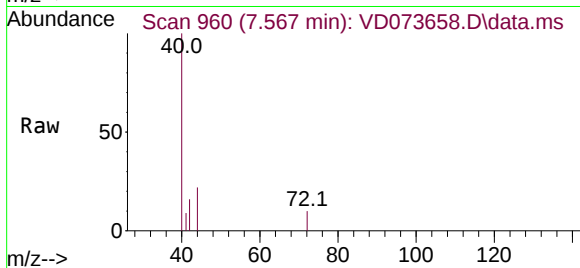
Tgt Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 15.0 37.9 56.9#

71 20.9 35.2 52.8#



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073658.D

Acq: 22 Jun 2022 16:50

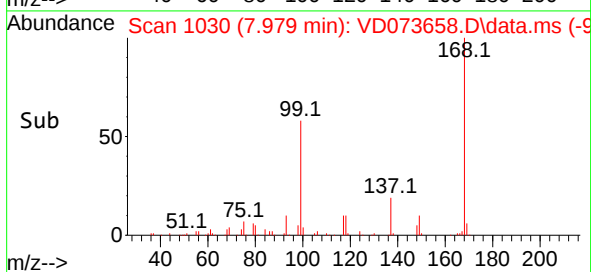
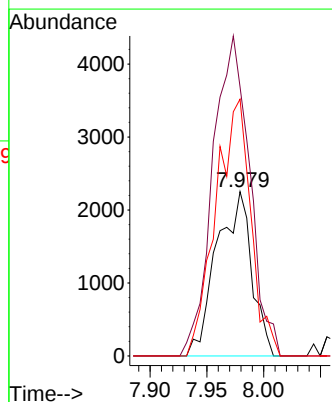
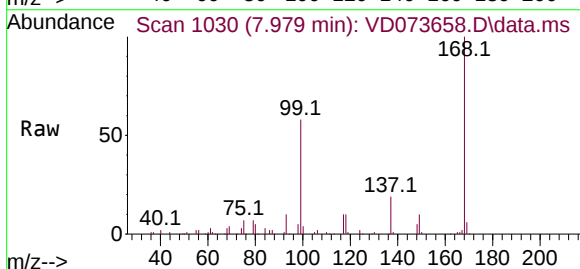
Tgt Ion: 56 Resp: 4814

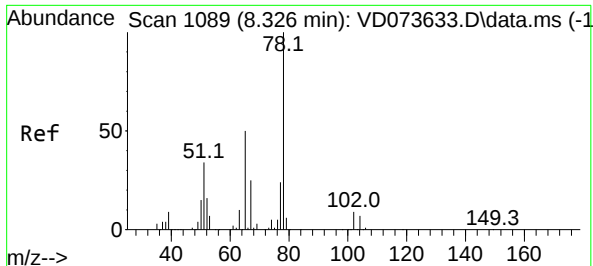
Ion Ratio Lower Upper

56 100

69 163.8 26.9 40.3#

84 156.4 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 53.242 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073658.D

Acq: 22 Jun 2022 16:50

Instrument :

MSVOA_D

ClientSampleId :

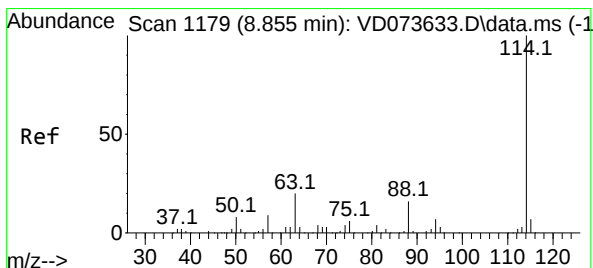
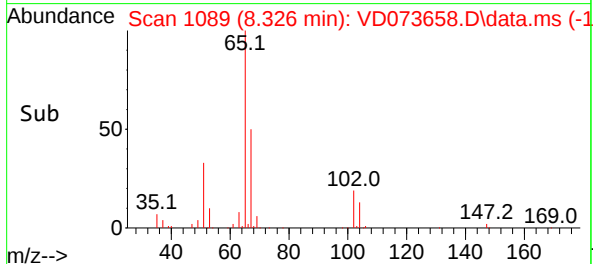
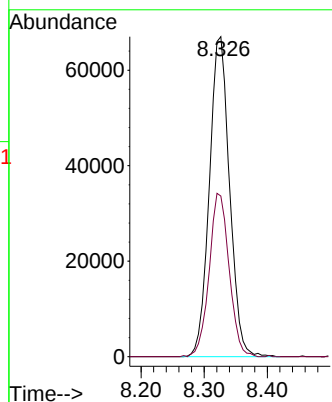
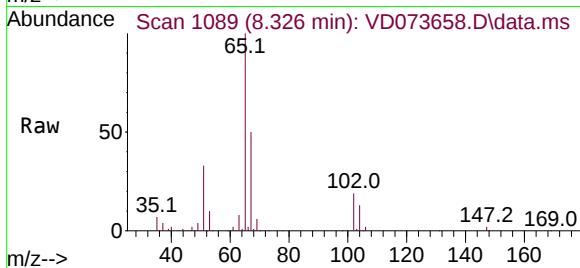
SB-1-21-23-20220620

Tgt Ion: 65 Resp: 148849

Ion Ratio Lower Upper

65 100

67 50.5 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: VD073658.D

Acq: 22 Jun 2022 16:50

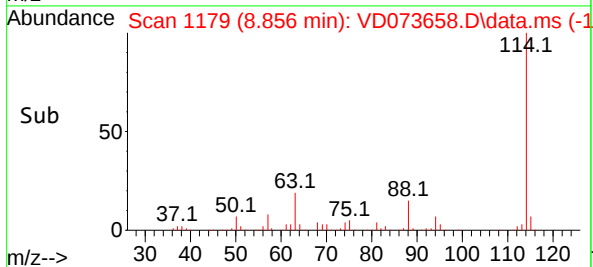
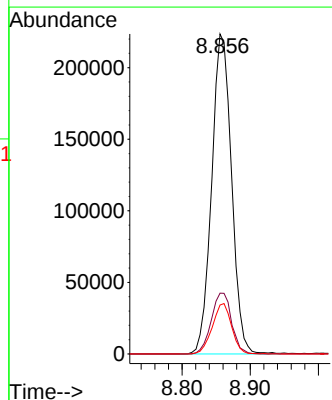
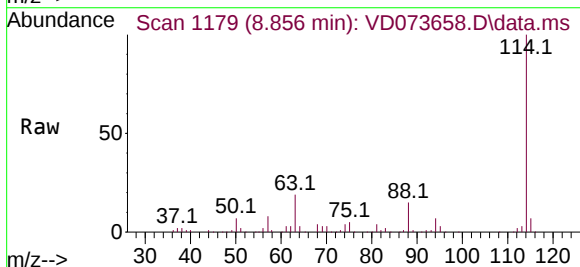
Tgt Ion: 114 Resp: 453407

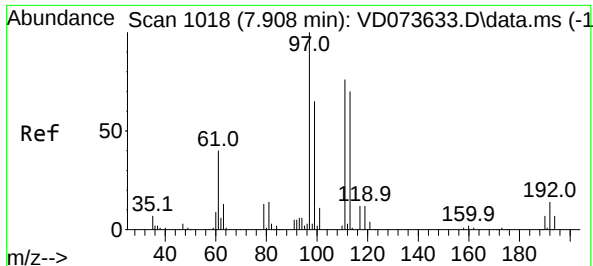
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

88 15.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.729 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073658.D

Acq: 22 Jun 2022 16:50

Instrument :

MSVOA_D

ClientSampleId :

SB-1-21-23-20220620

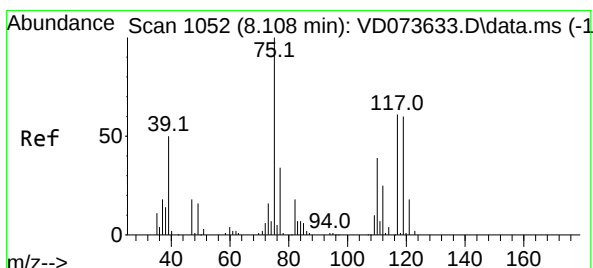
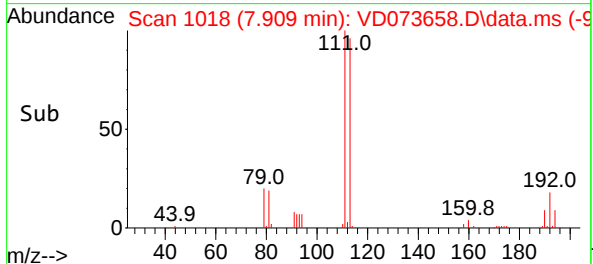
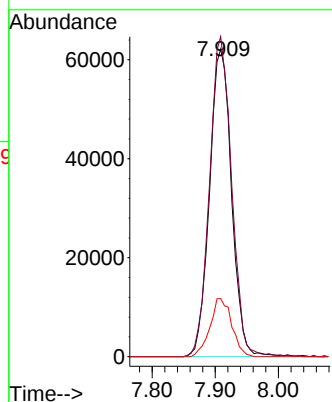
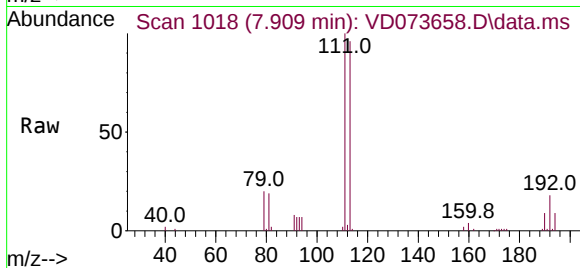
Tgt Ion:113 Resp: 150412

Ion Ratio Lower Upper

113 100

111 104.6 81.1 121.7

192 18.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.056 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073658.D

Acq: 22 Jun 2022 16:50

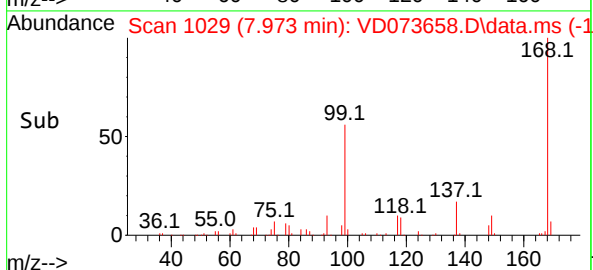
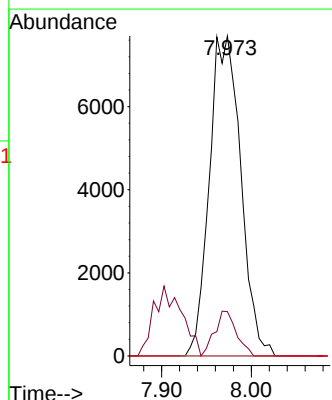
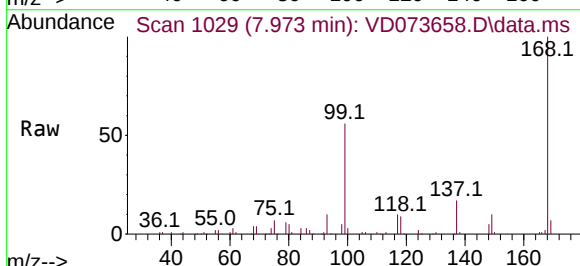
Tgt Ion: 75 Resp: 18689

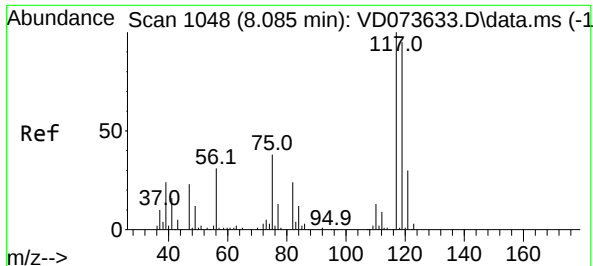
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.4#

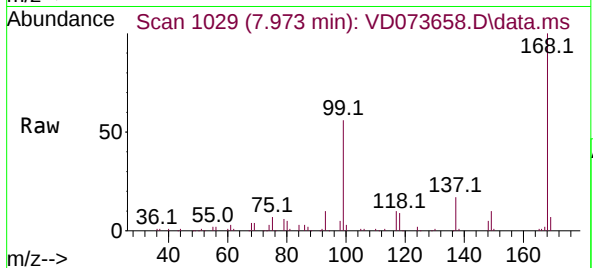
77 0.0 25.7 38.5#



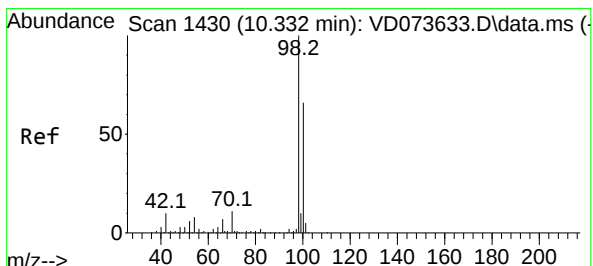
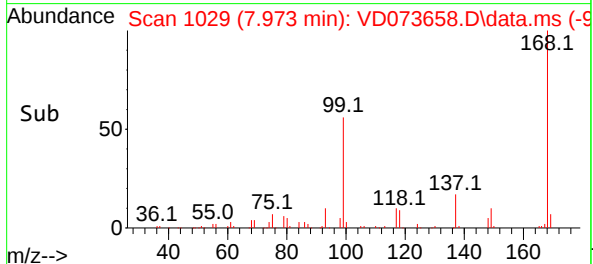
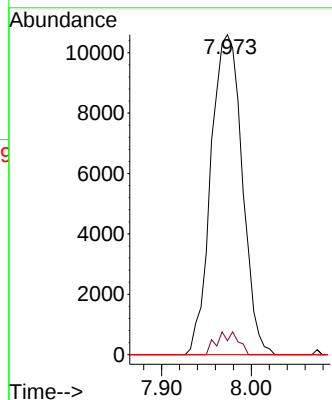


#38
Carbon Tetrachloride
Concen: 4.909 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.111 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Instrument :
MSVOA_D
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SB-1-21-23-20220620

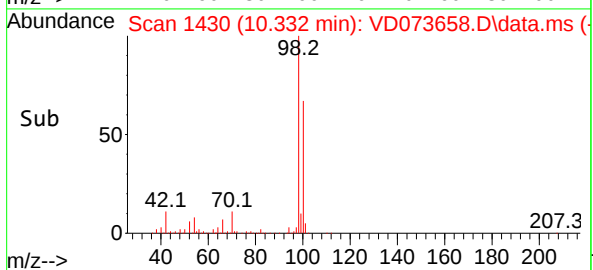
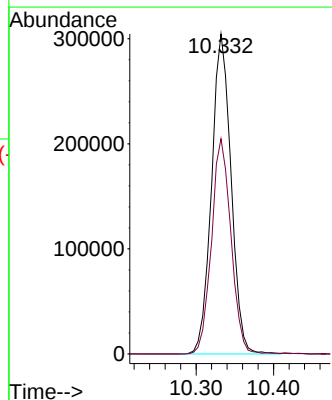
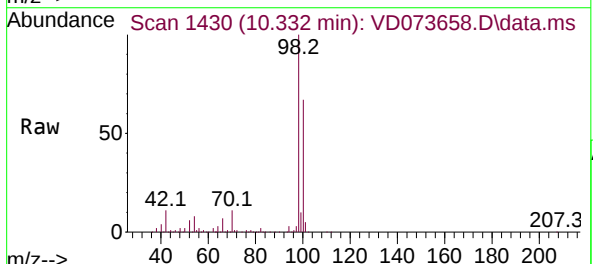


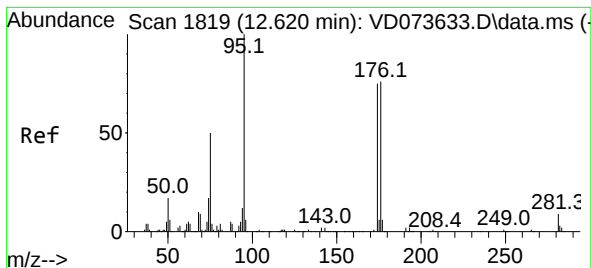
Tgt Ion:117 Resp: 25688
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 45.204 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 98 Resp: 532178
Ion Ratio Lower Upper
98 100
100 67.2 51.4 77.2

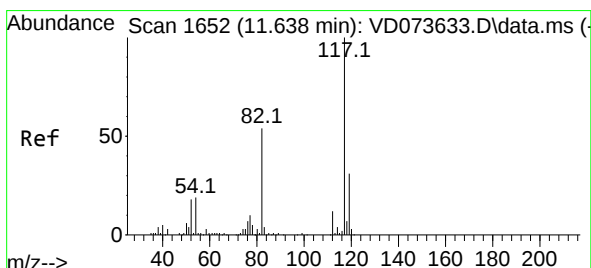
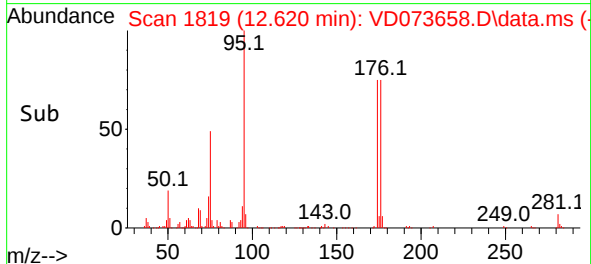
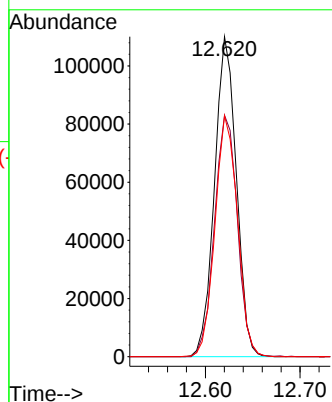
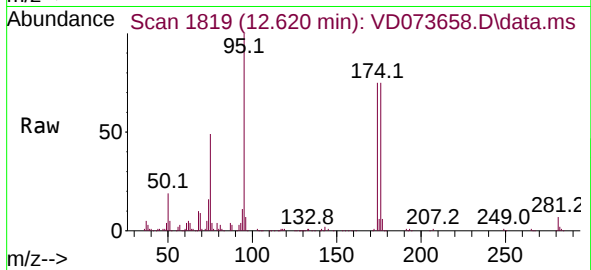




#62
4-Bromofluorobenzene
Concen: 40.815 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

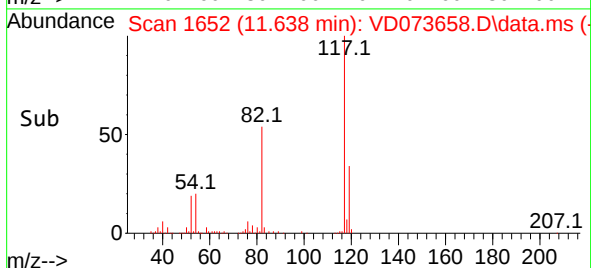
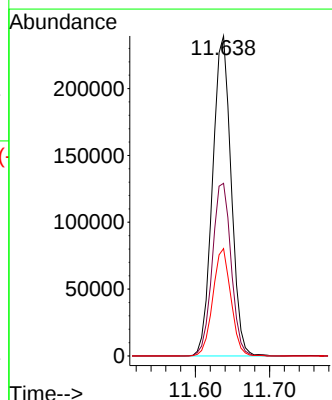
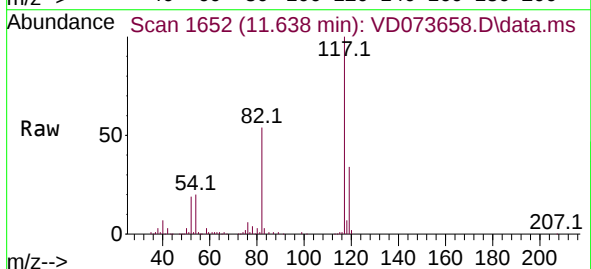
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

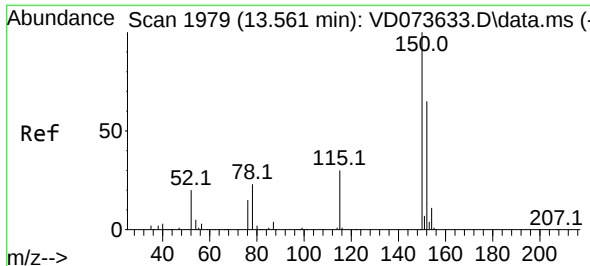
Tgt Ion: 95 Resp: 176213
Ion Ratio Lower Upper
95 100
174 79.1 0.0 156.4
176 77.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 117 Resp: 416320
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 33.5 24.5 36.7

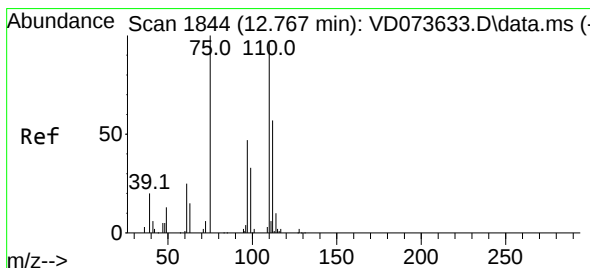
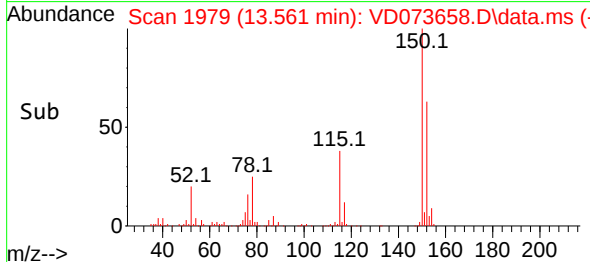
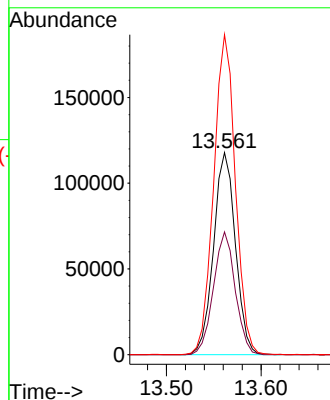
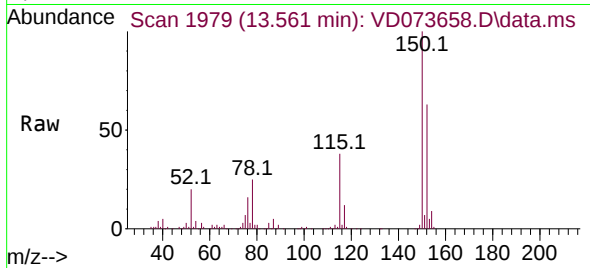




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

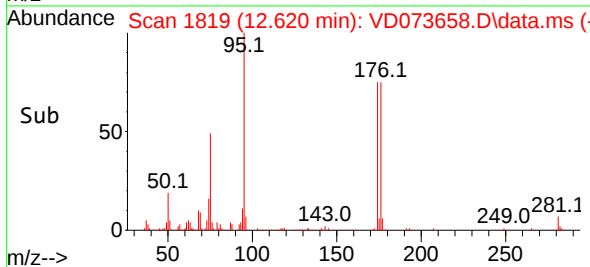
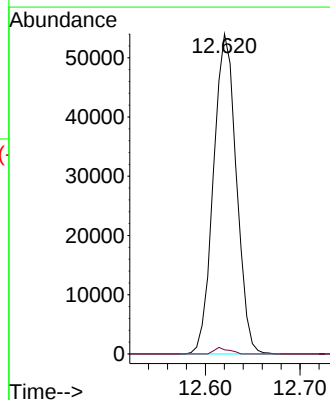
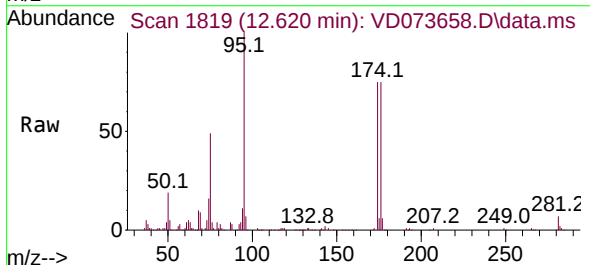
Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

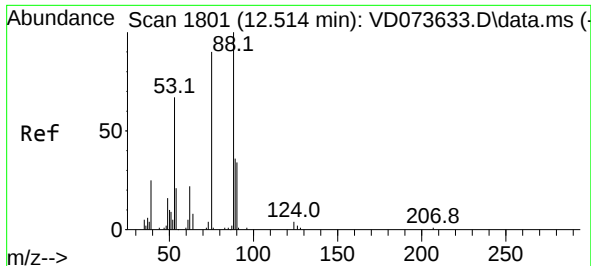
Tgt Ion:152 Resp: 189146
Ion Ratio Lower Upper
152 100
115 60.3 29.6 88.9
150 157.1 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 49.656 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 75 Resp: 90902
Ion Ratio Lower Upper
75 100
77 1.3 208.9 626.7#

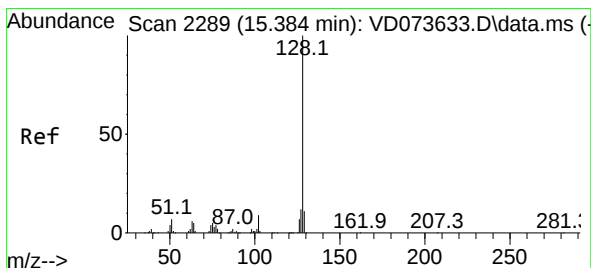
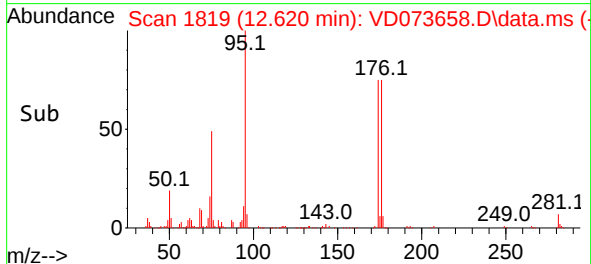
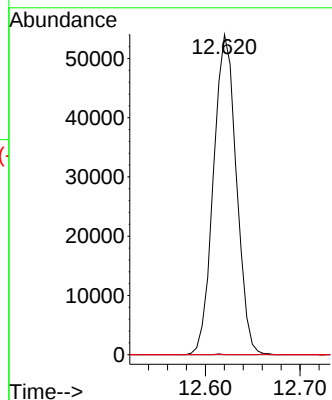
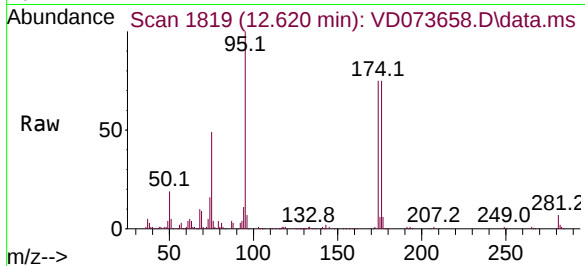




#81
trans-1,4-Dichloro-2-butene
Concen: 114.596 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Instrument :
MSVOA_D
ClientSampleId :
SB-1-21-23-20220620

Tgt Ion: 75 Resp: 90902
Ion Ratio Lower Upper
75 100
53 0.1 70.5 105.7#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 2.733 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD073658.D
Acq: 22 Jun 2022 16:50

Tgt Ion: 128 Resp: 323
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.6#

