

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070062.D
 Acq On : 16 Aug 2021 11:55
 Operator : VA/SY
 Sample : VD0816SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:55:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

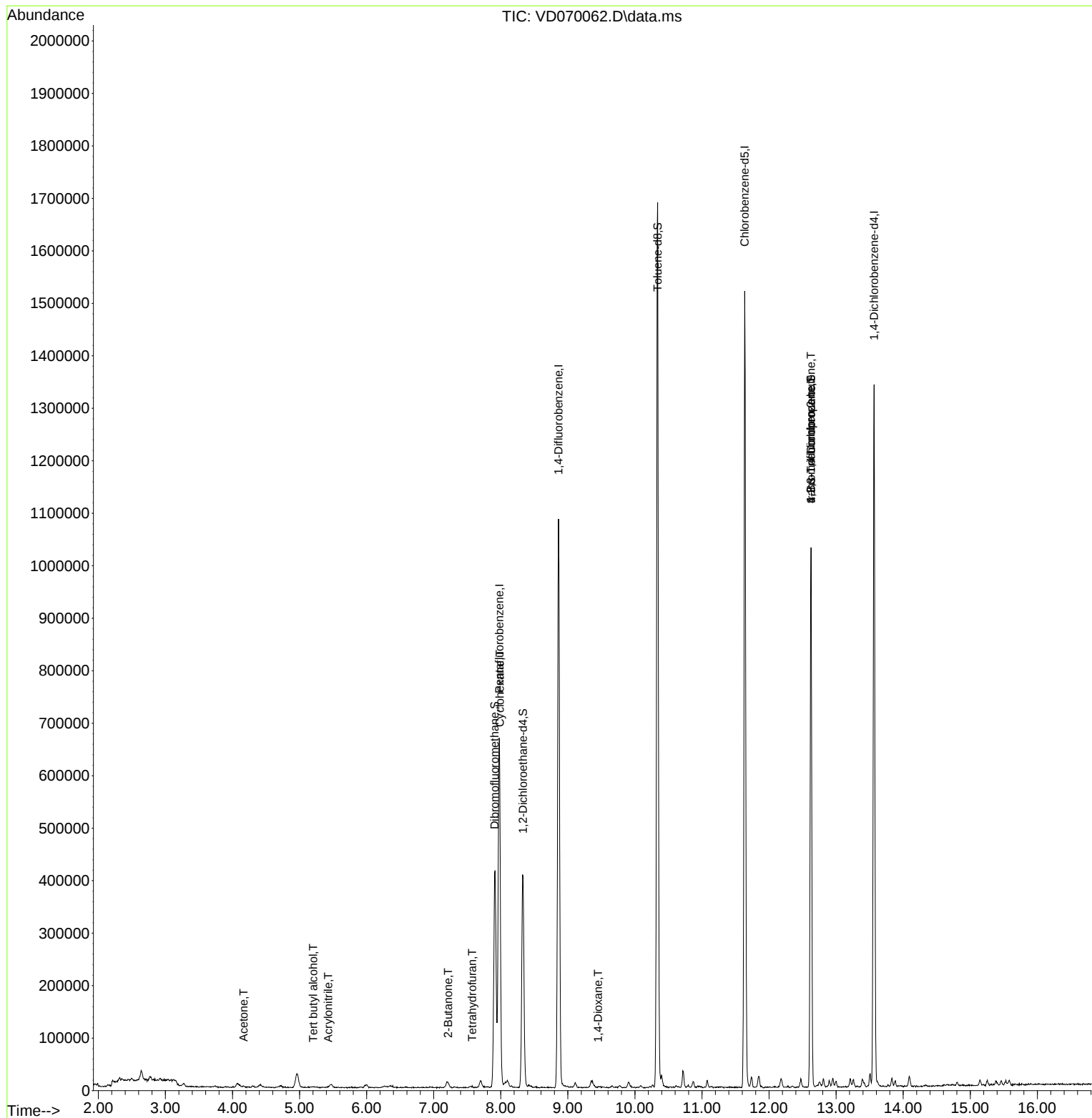
Internal Standards						
1) Pentafluorobenzene	7.979	168	469241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	928904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	864659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	352568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	319556	57.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.800%
35) Dibromofluoromethane	7.908	113	312649	52.097	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.200%
50) Toluene-d8	10.338	98	1158872	49.648	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.300%
62) 4-Bromofluorobenzene	12.626	95	352395	45.836	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2972	Below Cal		83
3) Chloromethane	2.209	50	5822	Below Cal	#	82
5) Bromomethane	2.773	94	5985	Below Cal		95
11) Tert butyl alcohol	5.203	59	596	1.954	ug/l #	71
15) Acrylonitrile	5.426	53	1551	1.225	ug/l #	72
16) Acetone	4.167	43	4193	4.124	ug/l	99
20) Methylene Chloride	4.955	84	22219	Below Cal		93
25) 2-Butanone	7.214	43	1512	1.088	ug/l #	55
29) Tetrahydrofuran	7.573	42	1182	1.299	ug/l #	81
31) Cyclohexane	7.985	56	15773	1.444	ug/l #	22
49) 1,4-Dioxane	9.449	88	161	4.046	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	170865	47.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	170865	124.039	ug/l #	18

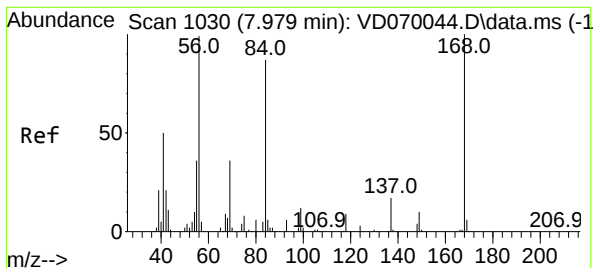
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 17 03:55:09 2021
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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070062.D

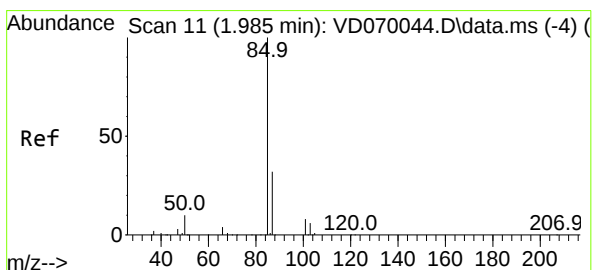
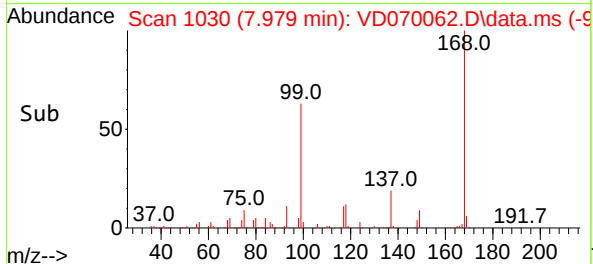
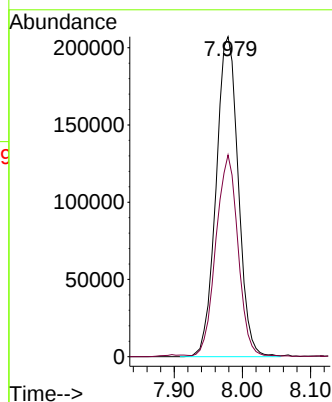
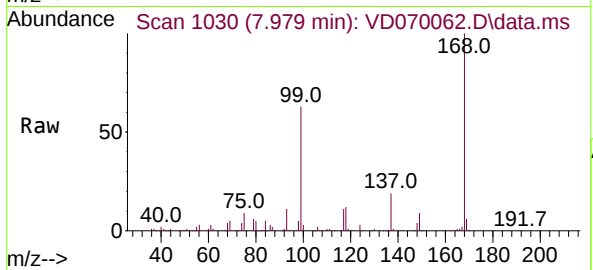
Acq: 16 Aug 2021 11:55

Tgt Ion:168 Resp: 469241

Ion Ratio Lower Upper

168 100

99 62.8 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070062.D

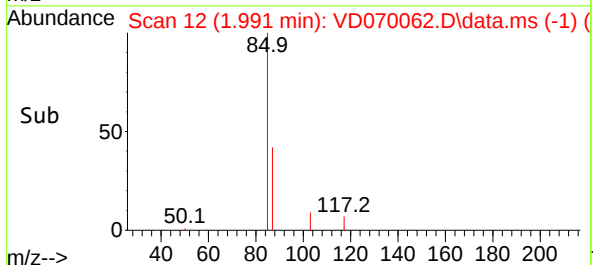
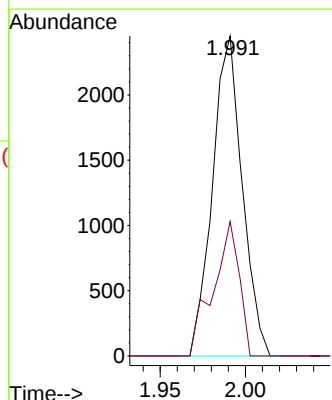
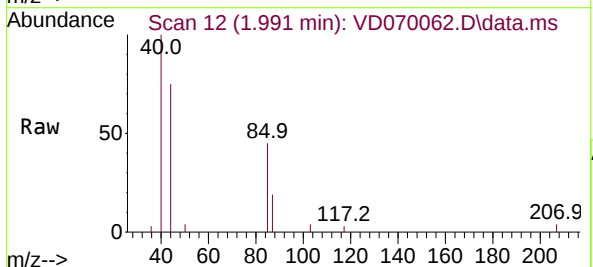
Acq: 16 Aug 2021 11:55

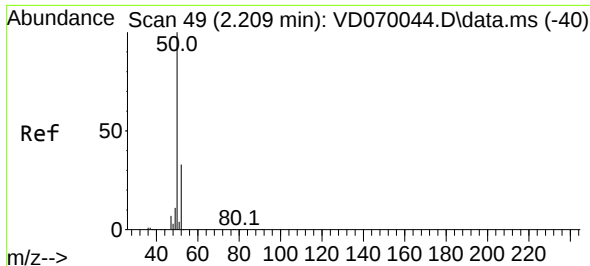
Tgt Ion: 85 Resp: 2972

Ion Ratio Lower Upper

85 100

87 42.0 16.2 48.6

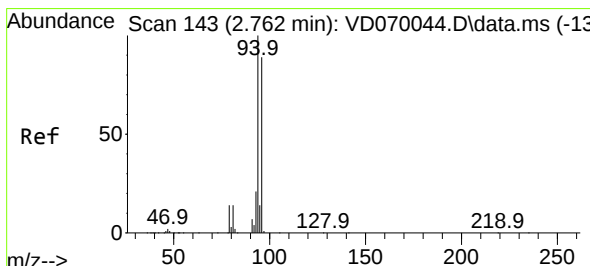
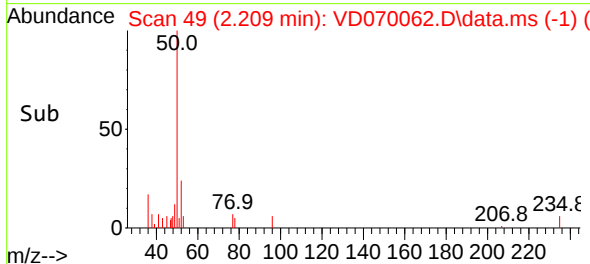
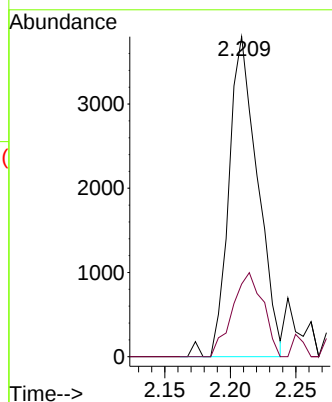
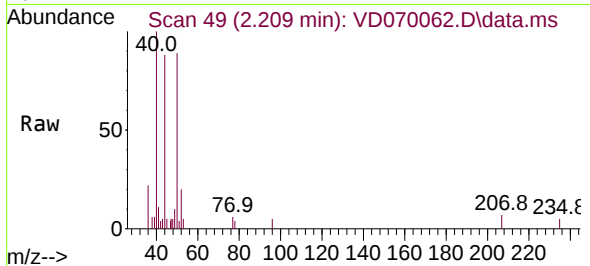




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

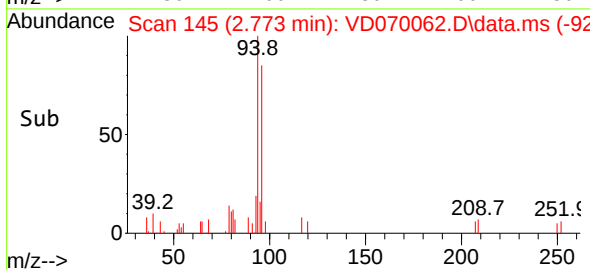
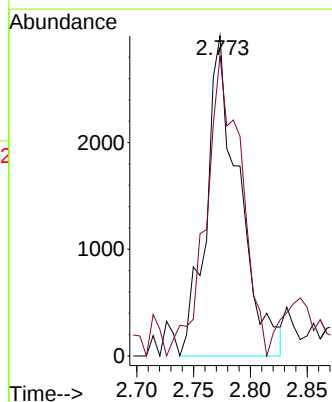
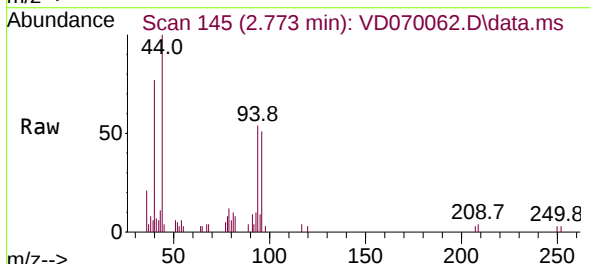
Instrument :
MSVOA_D
ClientSampled :

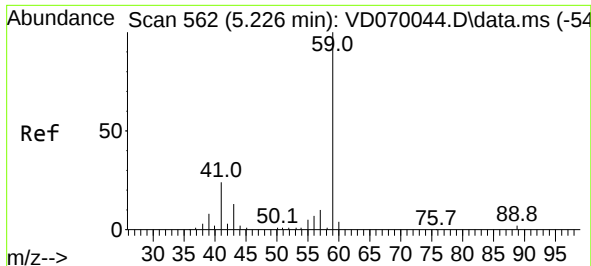
Tgt Ion: 50 Resp: 5822
Ion Ratio Lower Upper
50 100
52 22.7 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

Tgt Ion: 94 Resp: 5985
Ion Ratio Lower Upper
94 100
96 84.3 70.9 106.3





#11

Tert butyl alcohol

Concen: 1.954 ug/l

RT: 5.203 min Scan# 558

Delta R.T. -0.024 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

Tgt Ion: 59 Resp: 596

Ion Ratio Lower Upper

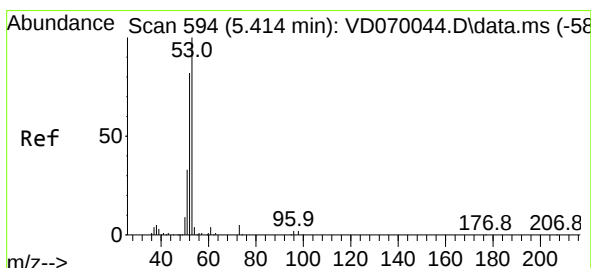
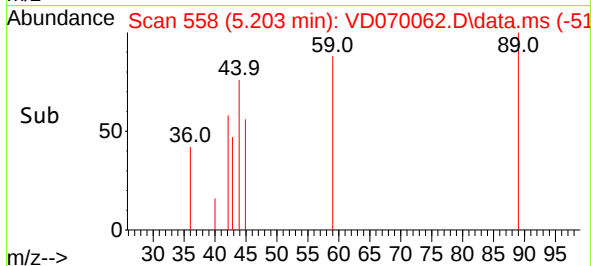
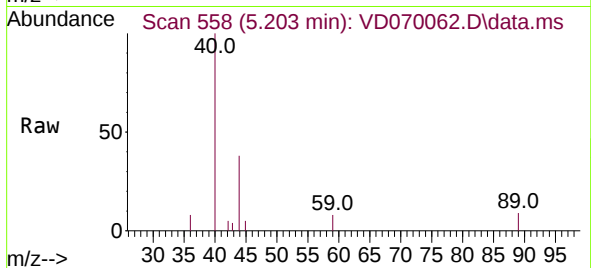
59 100

57 0.0 8.8 13.2#

Instrument :

MSVOA_D

ClientSampled :



#15

Acrylonitrile

Concen: 1.225 ug/l

RT: 5.426 min Scan# 596

Delta R.T. 0.012 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

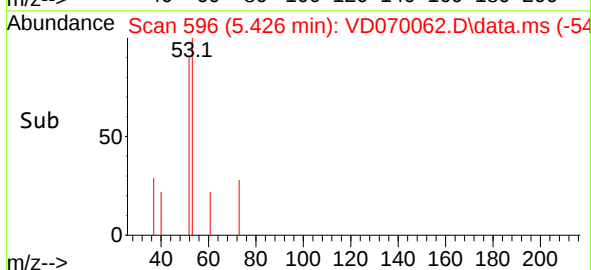
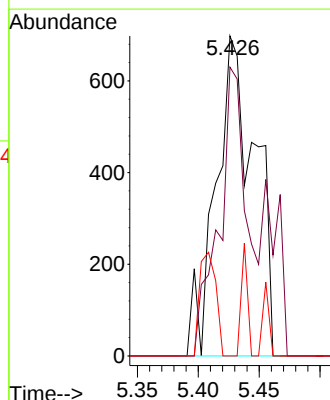
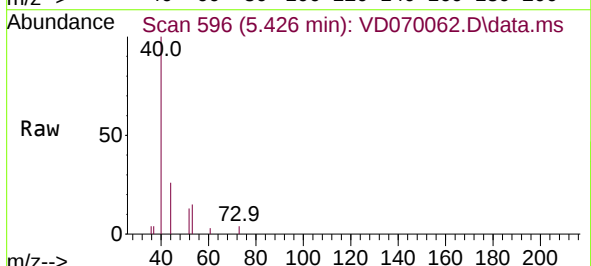
Tgt Ion: 53 Resp: 1551

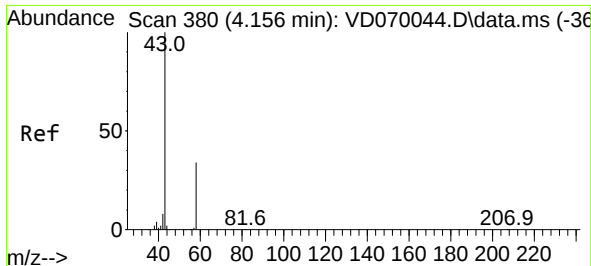
Ion Ratio Lower Upper

53 100

52 65.0 64.5 96.7

51 5.6 28.2 42.4#

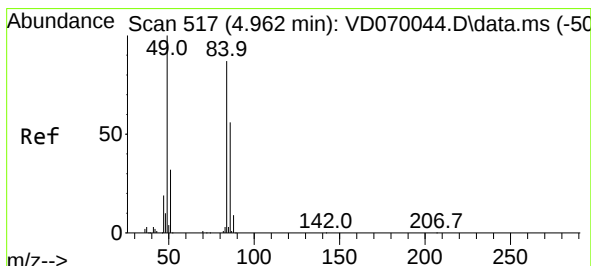
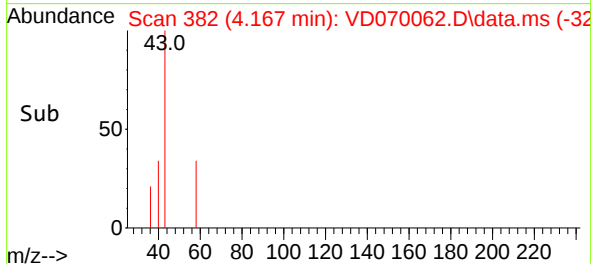
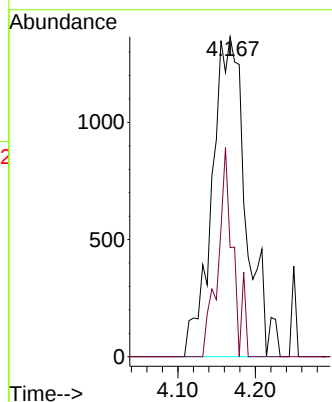
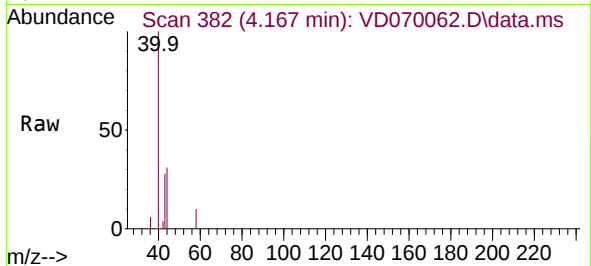




#16
Acetone
Concen: 4.124 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

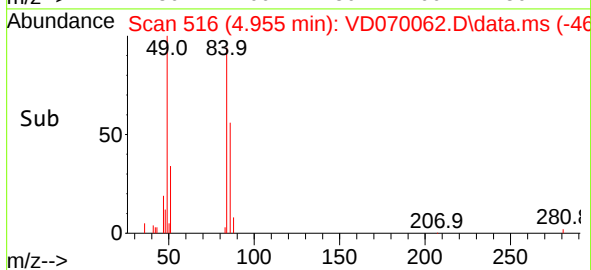
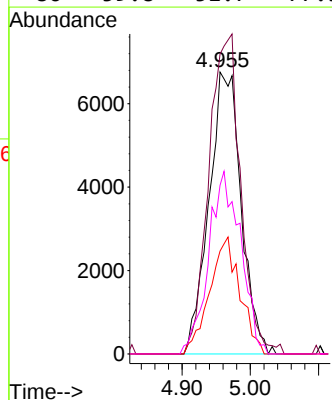
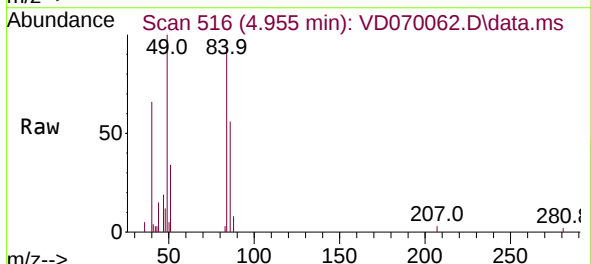
Instrument :
MSVOA_D
ClientSampled :

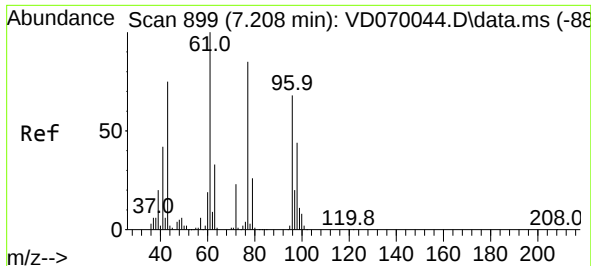
Tgt Ion: 43 Resp: 4193
Ion Ratio Lower Upper
43 100
58 34.1 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

Tgt Ion: 84 Resp: 22219
Ion Ratio Lower Upper
84 100
49 106.4 92.5 138.7
51 36.5 29.7 44.5
86 59.8 51.7 77.5

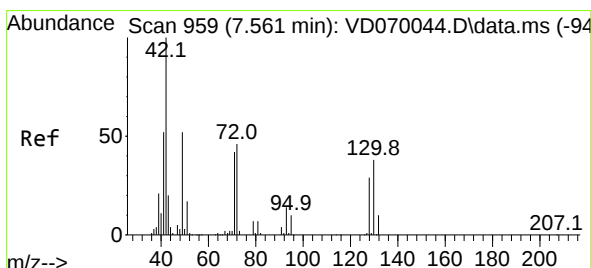
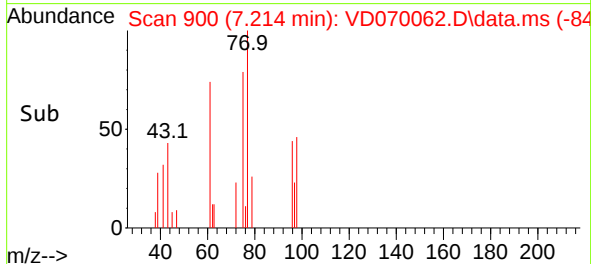
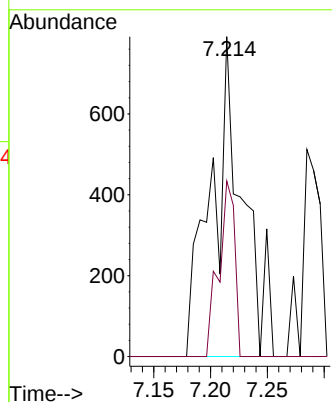
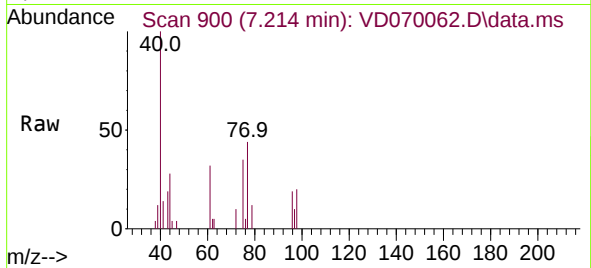




#25
2-Butanone
Concen: 1.088 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

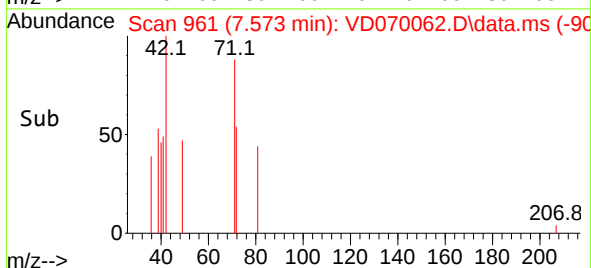
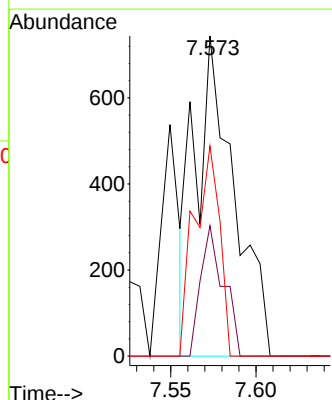
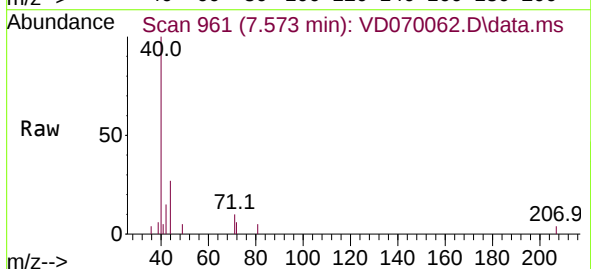
Instrument :
MSVOA_D
ClientSampled :

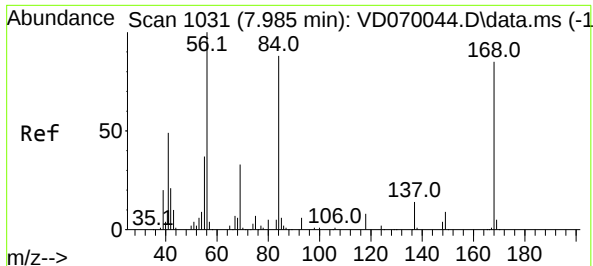
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
72 54.9 24.2 36.4#



#29
Tetrahydrofuran
Concen: 1.299 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

Tgt Ion: 42 Resp: 1182
Ion Ratio Lower Upper
42 100
72 23.9 37.5 56.3#
71 42.9 33.6 50.4

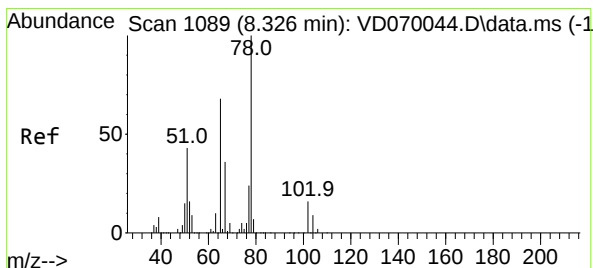
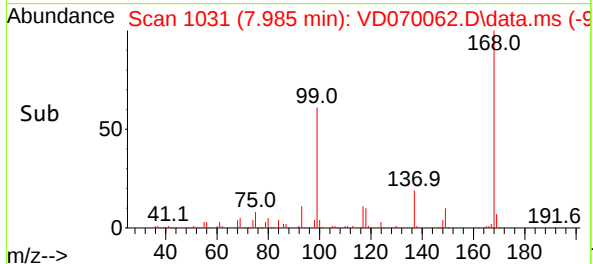
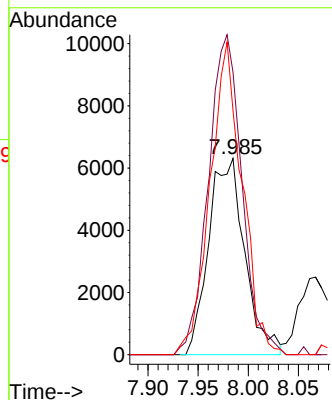
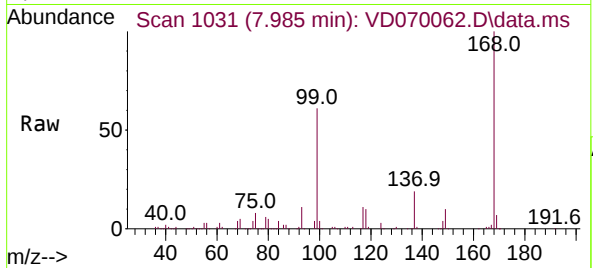




#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

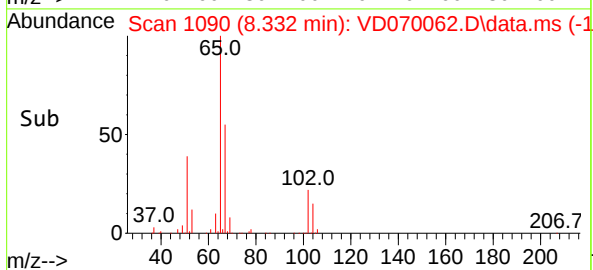
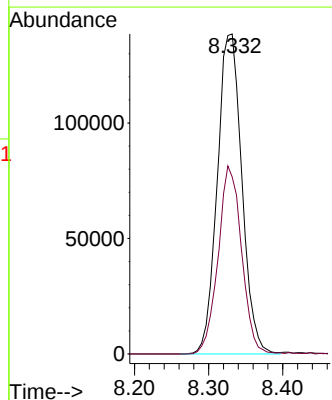
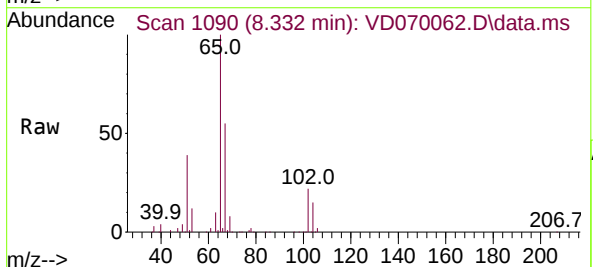
Instrument :
MSVOA_D
ClientSampled :

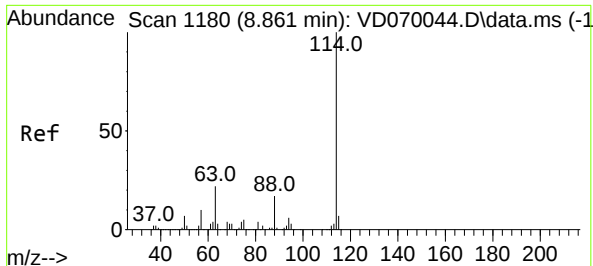
Tgt Ion: 56 Resp: 15773
Ion Ratio Lower Upper
56 100
69 141.0 26.7 40.1#
84 121.6 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 57.901 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

Tgt Ion: 65 Resp: 319556
Ion Ratio Lower Upper
65 100
67 56.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

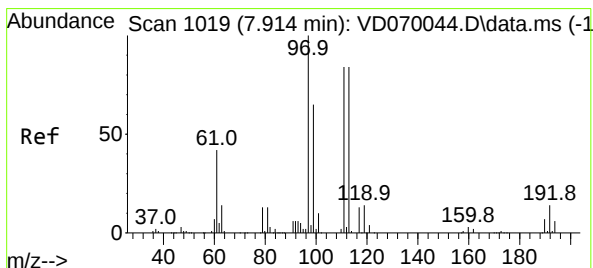
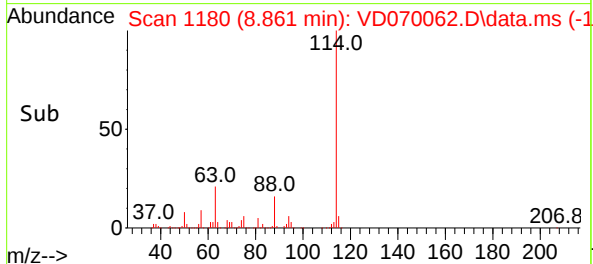
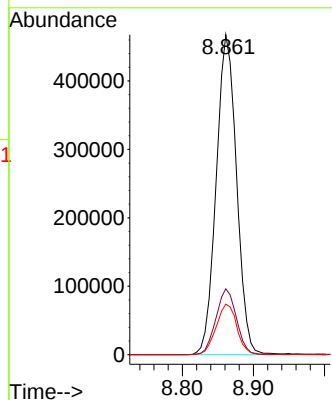
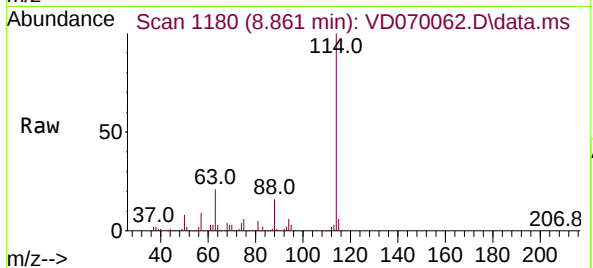
Tgt Ion:114 Resp: 928904

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.6

88 15.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.097 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

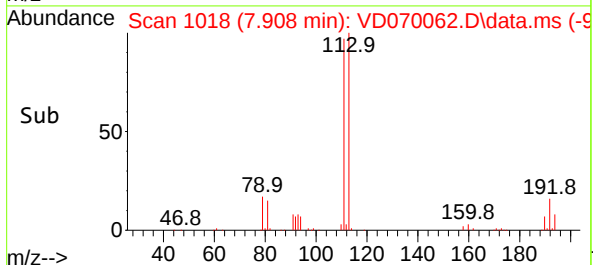
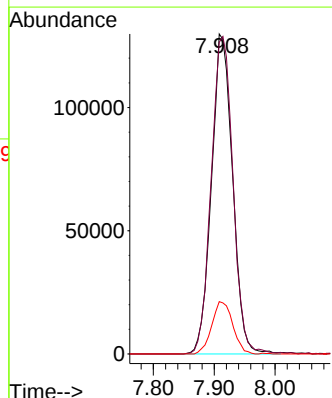
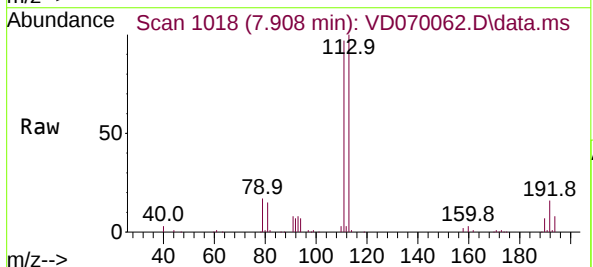
Tgt Ion:113 Resp: 312649

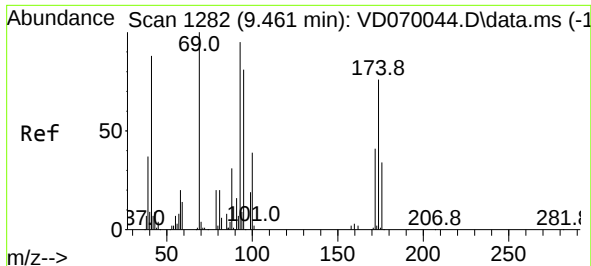
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 16.2 13.2 19.8





#49

1,4-Dioxane

Concen: 4.046 ug/l

RT: 9.449 min Scan# 1280

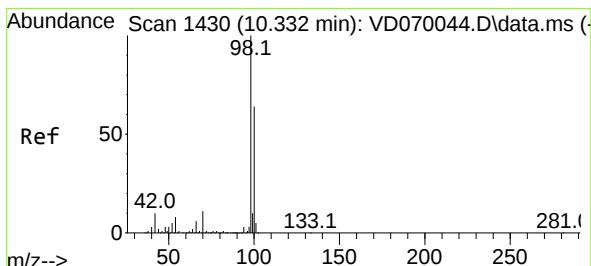
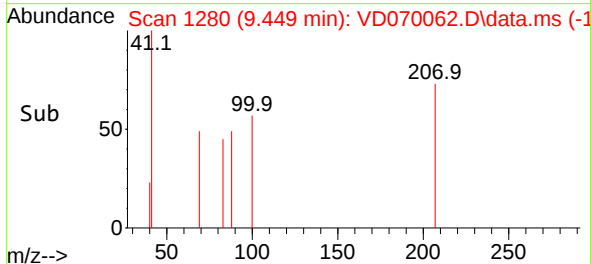
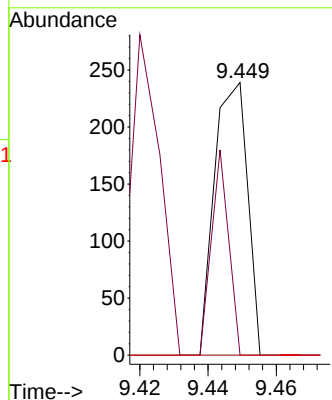
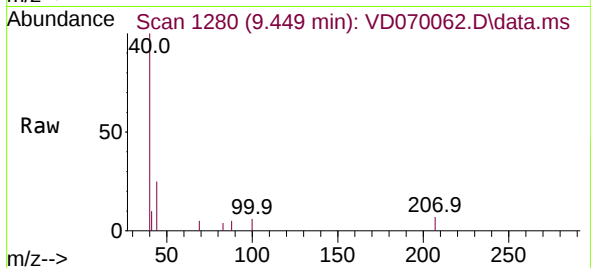
Delta R.T. -0.012 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

Tgt Ion:	88	Resp:	161
Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.8	38.6#
58	0.0	57.4	86.2#

Instrument :
MSVOA_D
ClientSampleId :



#50

Toluene-d8

Concen: 49.648 ug/l

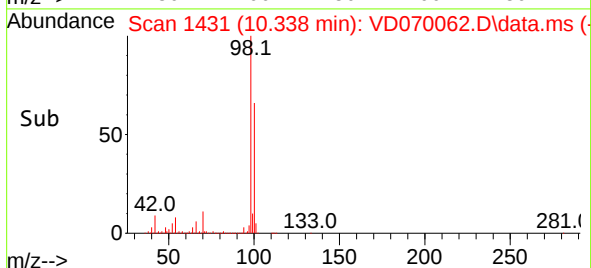
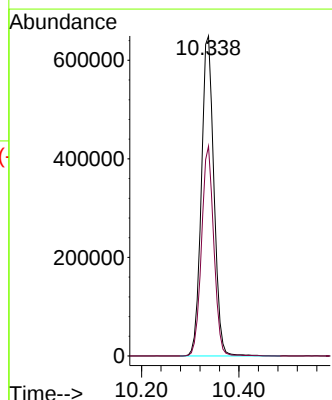
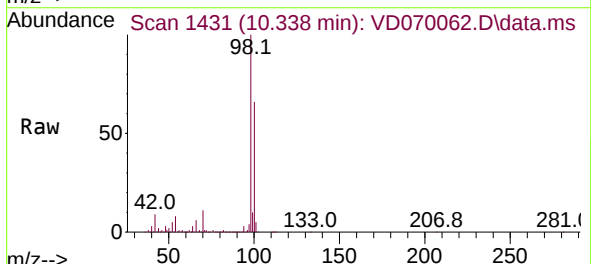
RT: 10.338 min Scan# 1431

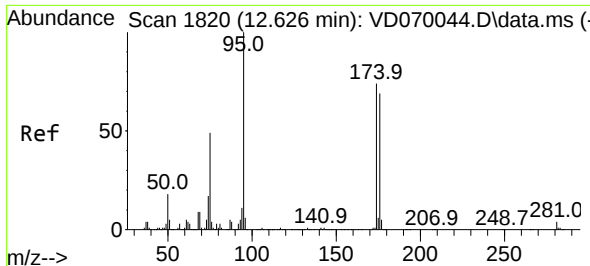
Delta R.T. 0.006 min

Lab File: VD070062.D

Acq: 16 Aug 2021 11:55

Tgt Ion:	98	Resp:	1158872
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	78.8

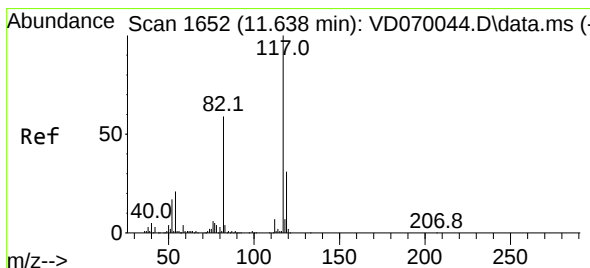
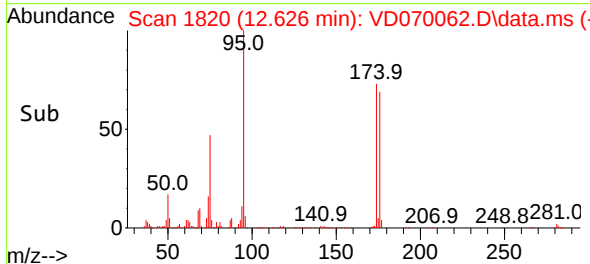
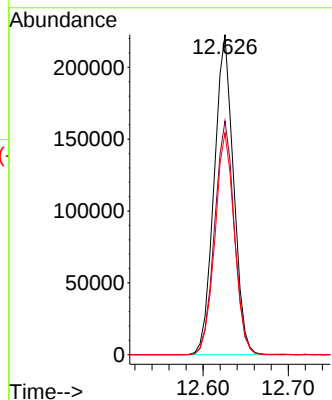
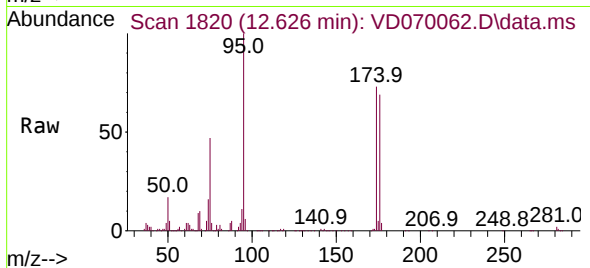




#62
4-Bromofluorobenzene
Concen: 45.836 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

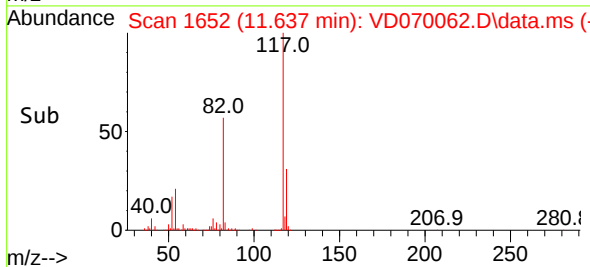
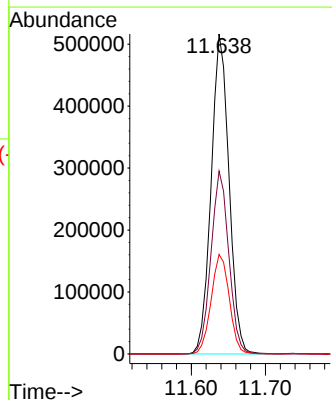
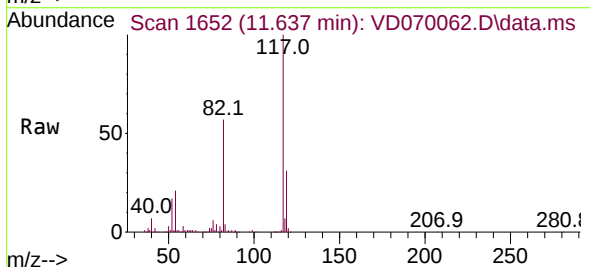
Instrument :
MSVOA_D
ClientSampleId :

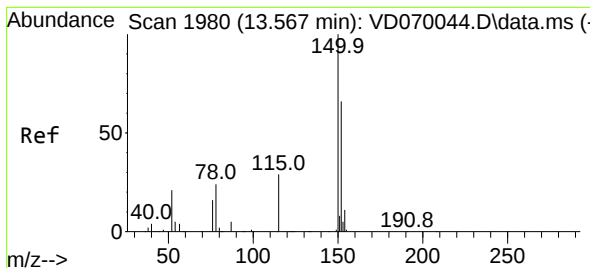
Tgt Ion: 95 Resp: 352395
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.6
176 69.4 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070062.D
Acq: 16 Aug 2021 11:55

Tgt Ion: 117 Resp: 864659
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 31.1 25.1 37.7

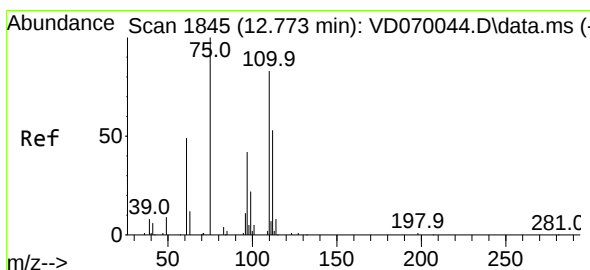
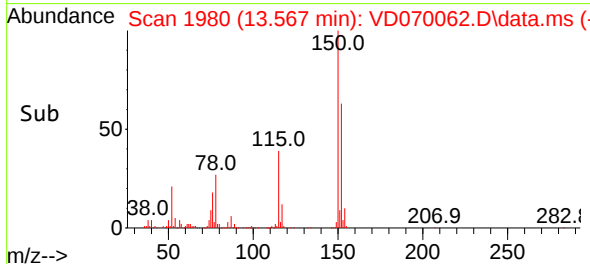
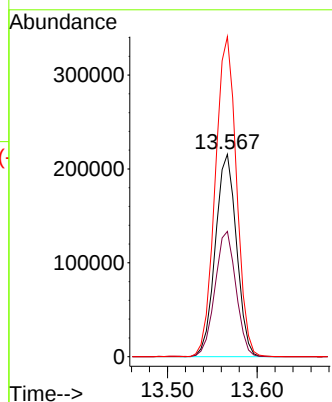
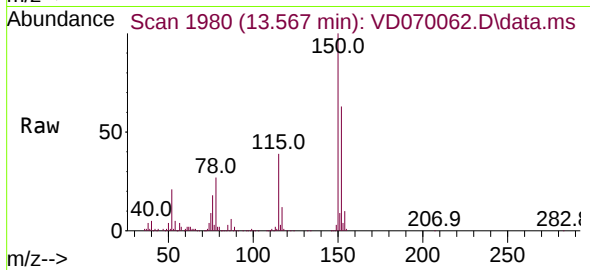




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070062.D
 Acq: 16 Aug 2021 11:55

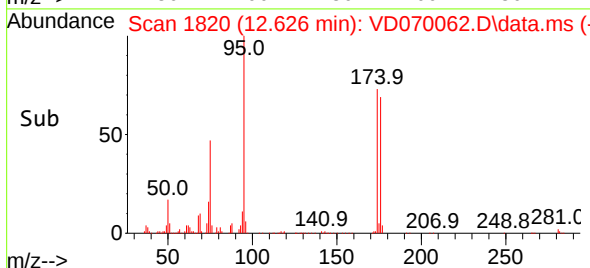
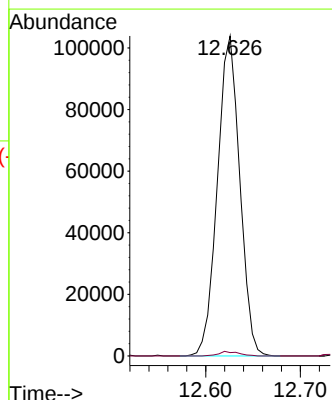
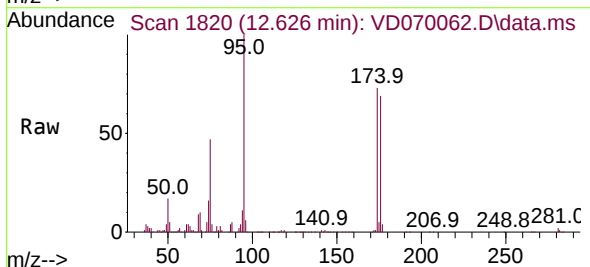
Instrument :
 MSVOA_D
 ClientSampled :

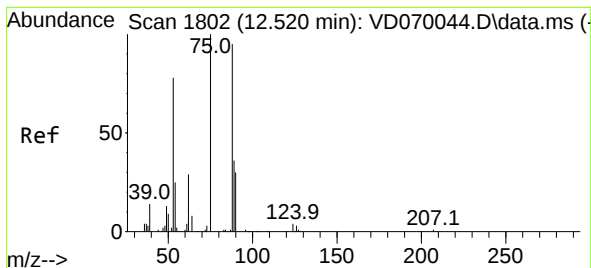
Tgt Ion:152 Resp: 352568
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.2 93.6
 150 158.8 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 47.787 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070062.D
 Acq: 16 Aug 2021 11:55

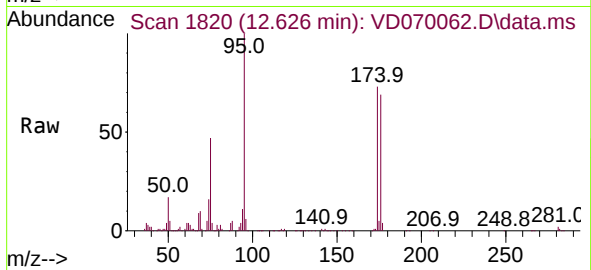
Tgt Ion: 75 Resp: 170865
 Ion Ratio Lower Upper
 75 100
 77 1.3 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.039 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070062.D
 Acq: 16 Aug 2021 11:55

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.5	96.7#
89	0.0	33.7	50.5#

