

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070278.D
 Acq On : 31 Aug 2021 14:30
 Operator : VA/SY
 Sample : M3605-02
 Misc : 4.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:58:34 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)

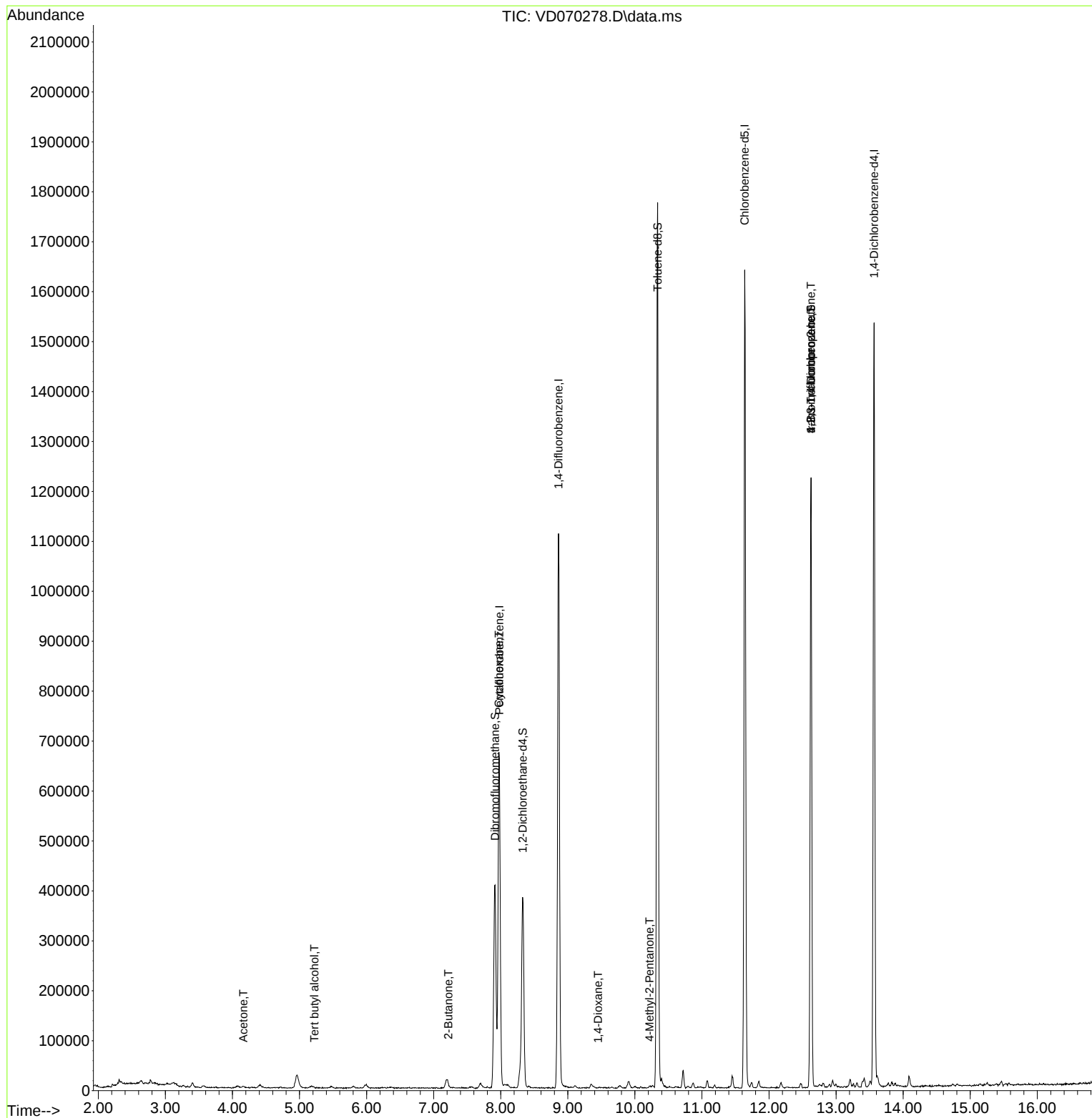
Internal Standards						
1) Pentafluorobenzene	7.979	168	460448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	935801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	933519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	401172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	303968	56.128	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.260%			
35) Dibromofluoromethane	7.914	113	304434	50.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.338	98	1201340	51.088	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.626	95	406265	52.453	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	2009	Below Cal	#	61
3) Chloromethane	2.209	50	3398	Below Cal	#	88
5) Bromomethane	2.773	94	3651	Below Cal		95
11) Tert butyl alcohol	5.220	59	946	3.160	ug/l #	71
16) Acetone	4.162	43	4385	4.395	ug/l #	62
20) Methylene Chloride	4.962	84	20845	Below Cal	#	86
25) 2-Butanone	7.220	43	1785	1.309	ug/l #	44
31) Cyclohexane	7.973	56	13405	1.251	ug/l #	1
49) 1,4-Dioxane	9.450	88	60	1.497	ug/l #	23
51) 4-Methyl-2-Pentanone	10.220	43	3642	1.026	ug/l #	85
76) 1,2,3-Trichloropropane	12.626	75	203798	50.092	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	203798	130.022	ug/l #	18

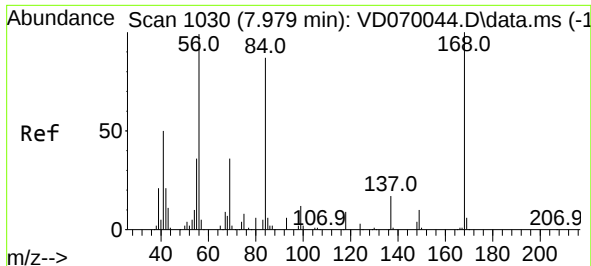
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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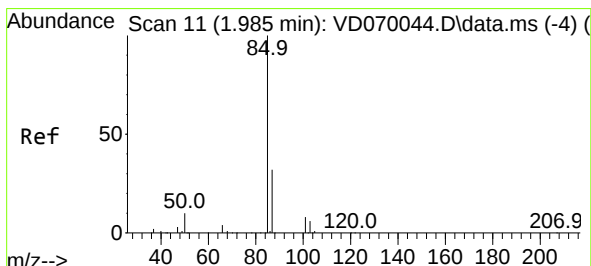
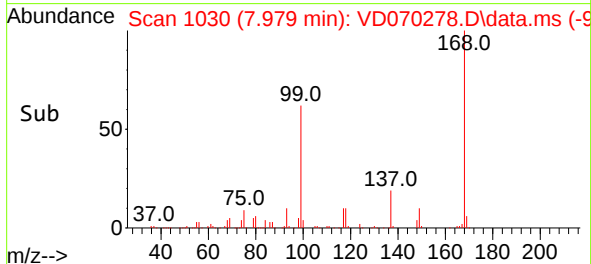
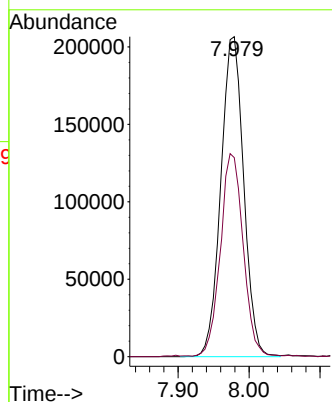
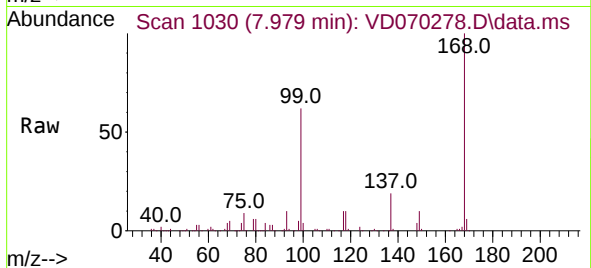




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

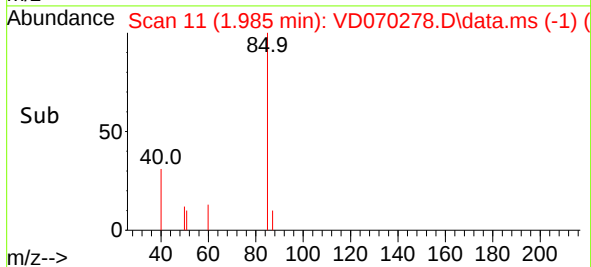
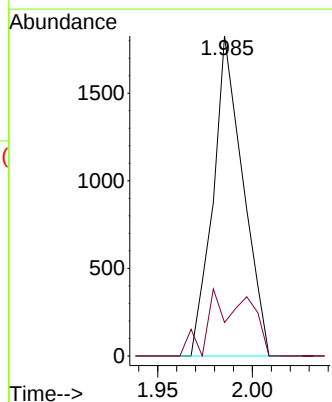
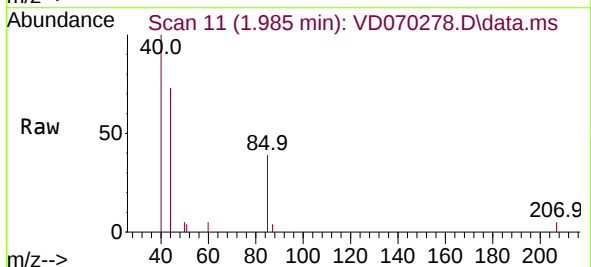
Instrument :
MSVOA_D
ClientSampleId :

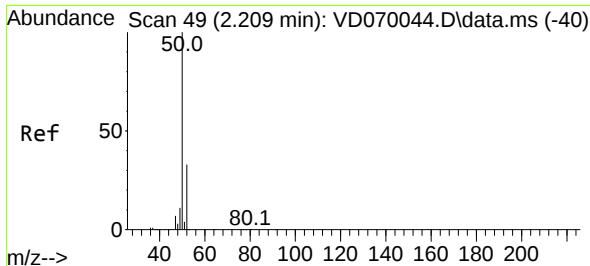
Tgt Ion:168 Resp: 460448
Ion Ratio Lower Upper
168 100
99 62.0 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion: 85 Resp: 2009
Ion Ratio Lower Upper
85 100
87 10.5 16.2 48.6#

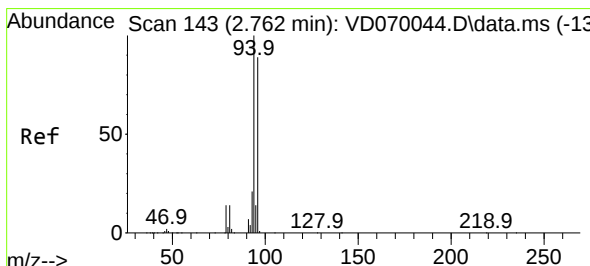
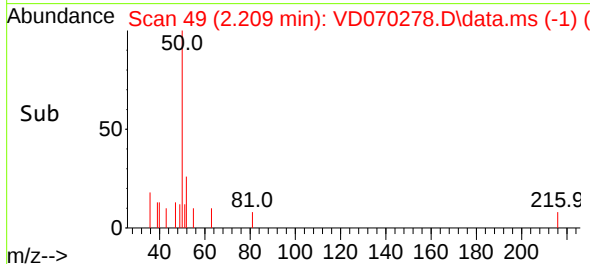
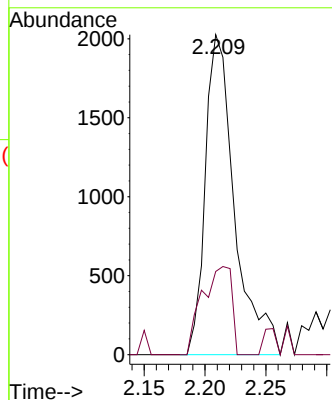
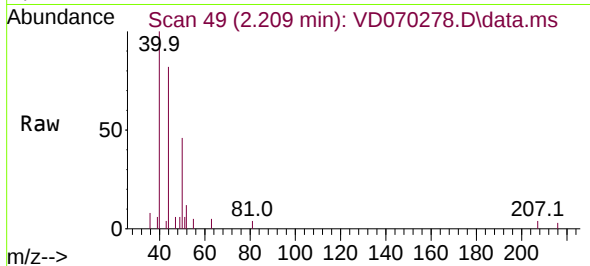




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

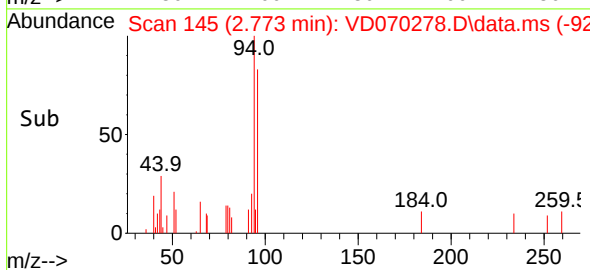
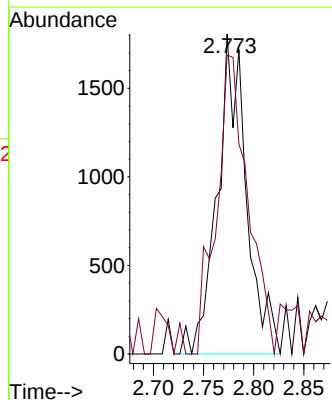
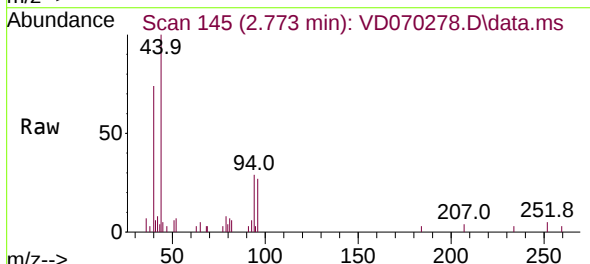
Instrument :
MSVOA_D
ClientSampled :

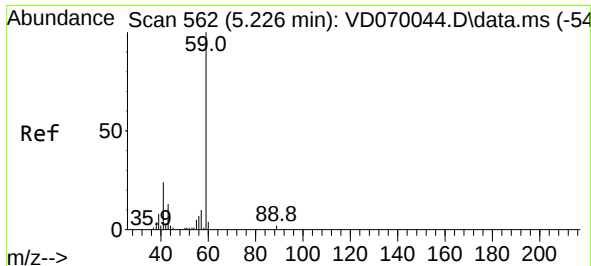
Tgt Ion: 50 Resp: 3398
Ion Ratio Lower Upper
50 100
52 26.0 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion: 94 Resp: 3651
Ion Ratio Lower Upper
94 100
96 83.8 70.9 106.3

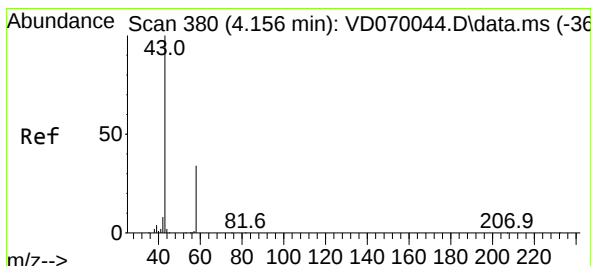
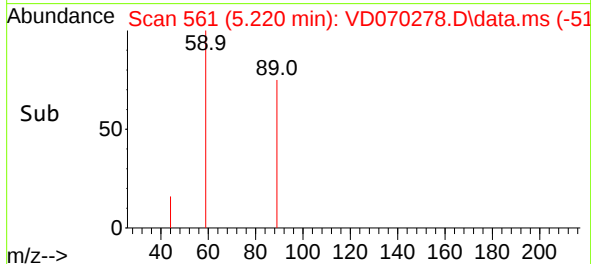
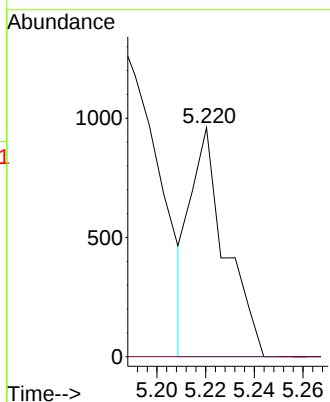
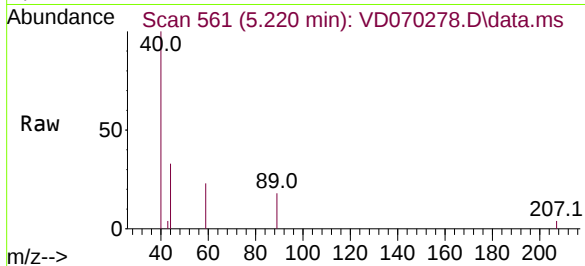




#11
Tert butyl alcohol
Concen: 3.160 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

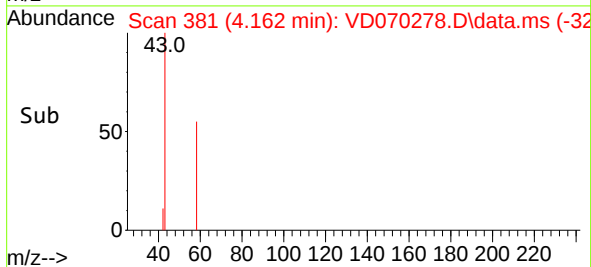
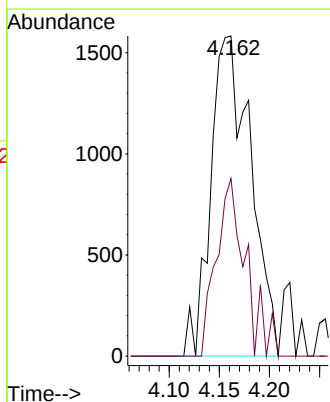
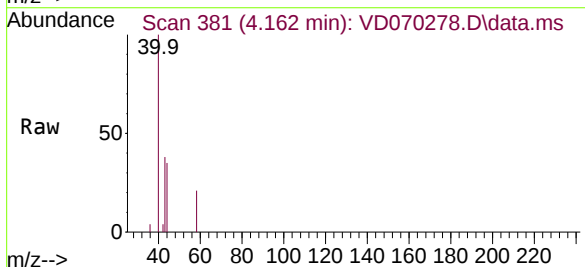
Instrument :
MSVOA_D
ClientSampled :

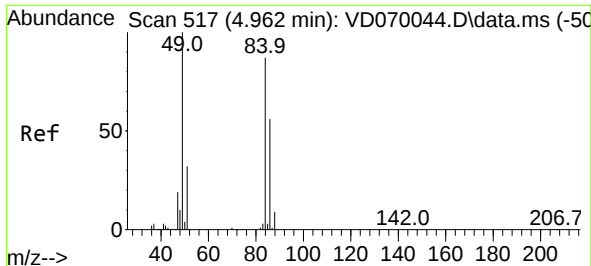
Tgt Ion: 59 Resp: 946
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 4.395 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

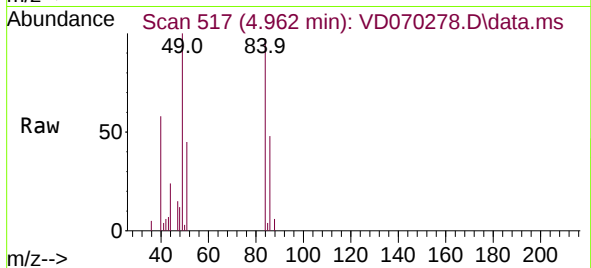
Tgt Ion: 43 Resp: 4385
Ion Ratio Lower Upper
43 100
58 55.4 26.8 40.2#



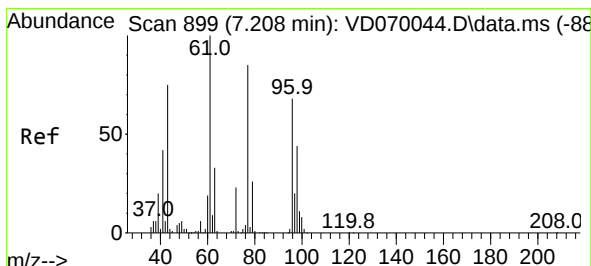
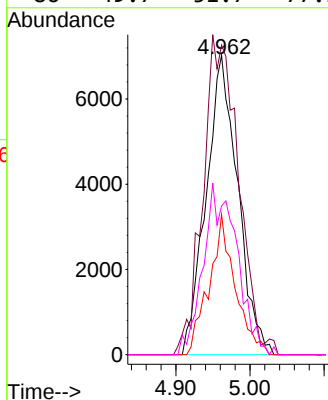
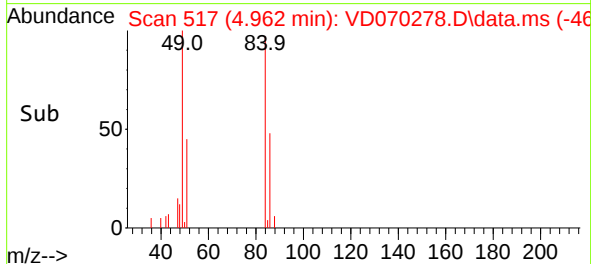


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

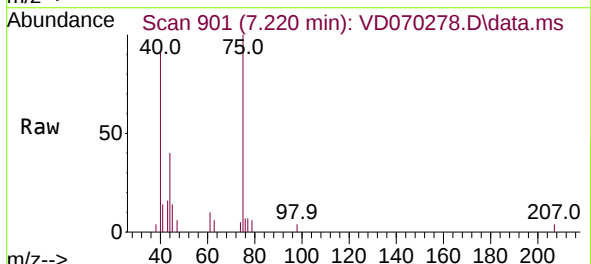
Instrument :
MSVOA_D
ClientSampleId :



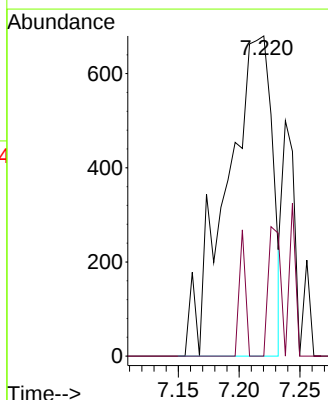
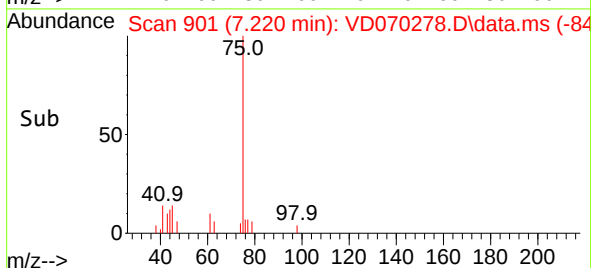
Tgt Ion:	84	Resp:	20845
Ion	Ratio	Lower	Upper
84	100		
49	103.5	92.5	138.7
51	46.8	29.7	44.5#
86	49.7	51.7	77.5#

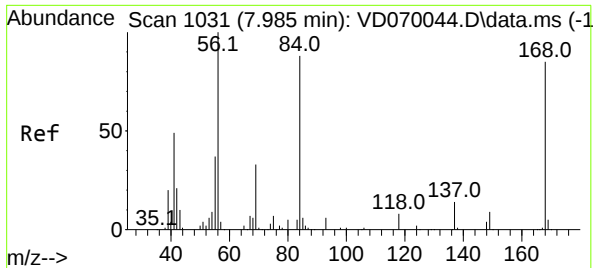


#25
2-Butanone
Concen: 1.309 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30



Tgt Ion:	43	Resp:	1785
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.2	36.4#

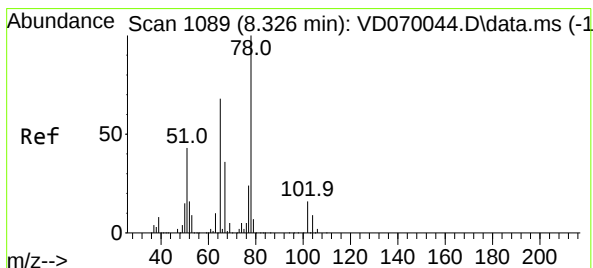
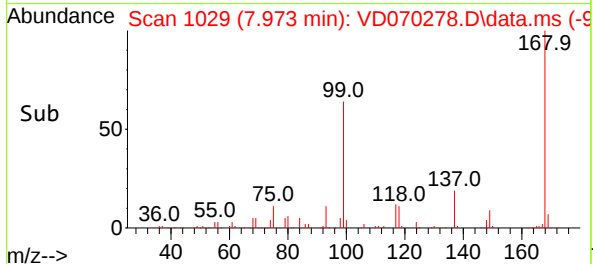
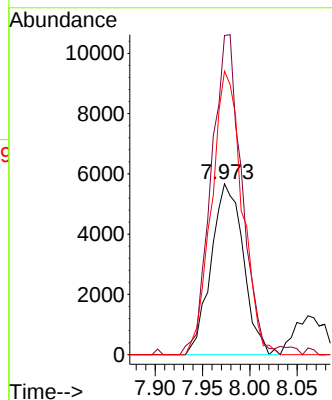
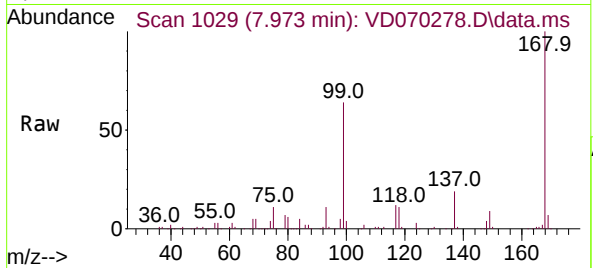




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

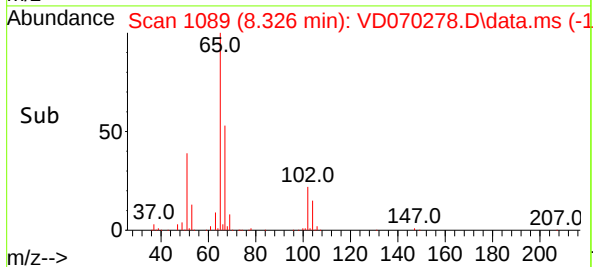
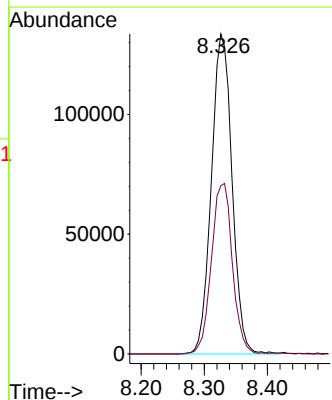
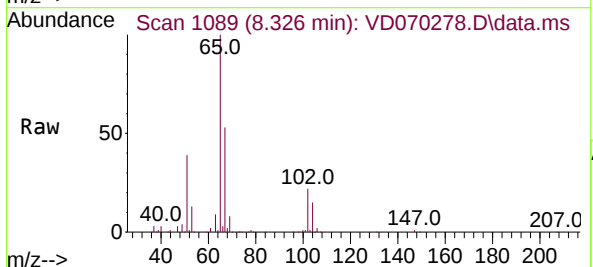
Instrument :
MSVOA_D
ClientSampleId :

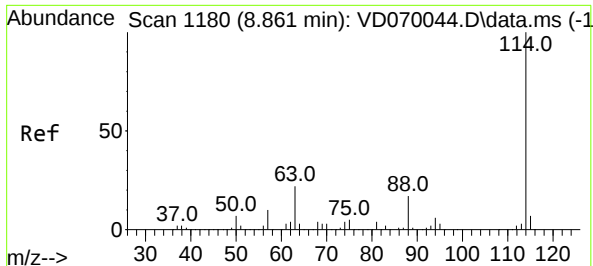
Tgt Ion: 56 Resp: 13405
Ion Ratio Lower Upper
56 100
69 186.8 26.7 40.1#
84 165.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 56.128 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion: 65 Resp: 303968
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.8

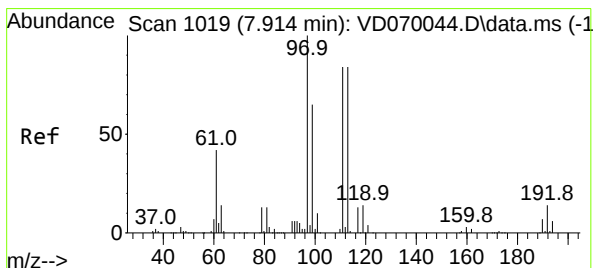
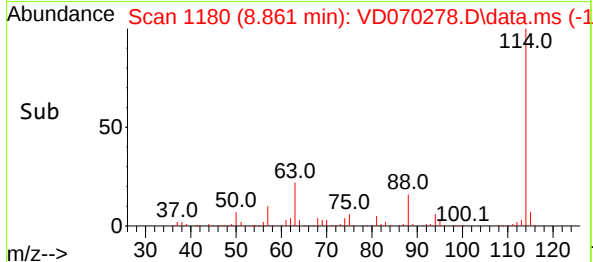
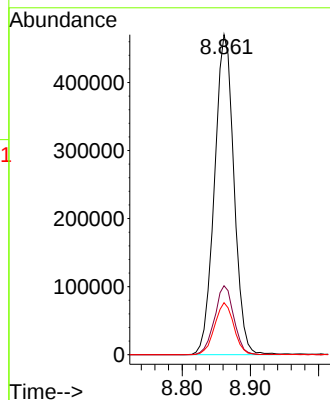
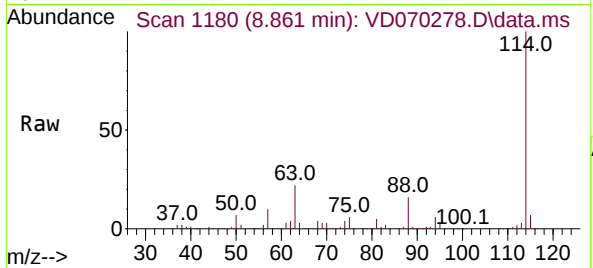




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

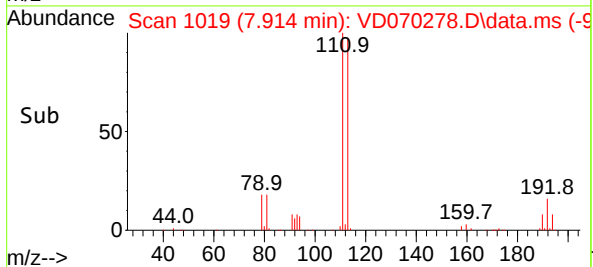
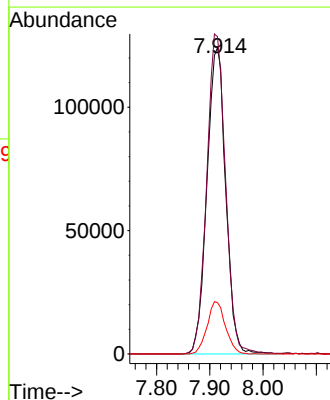
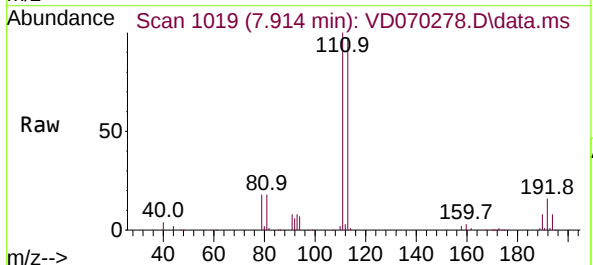
Instrument :
MSVOA_D
ClientSampleId :

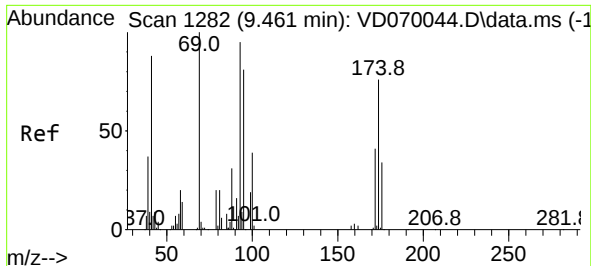
Tgt Ion:114 Resp: 935801
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.354 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion:113 Resp: 304434
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.6
192 16.7 13.2 19.8





#49

1,4-Dioxane

Concen: 1.497 ug/l

RT: 9.450 min Scan# 1280

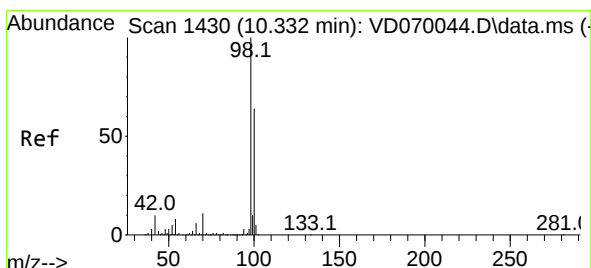
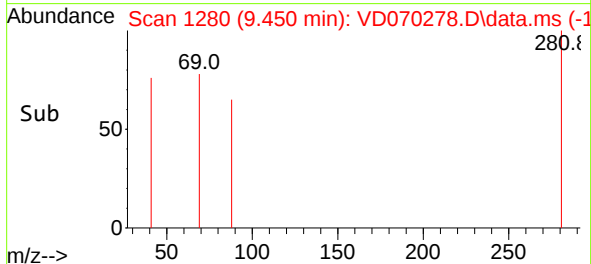
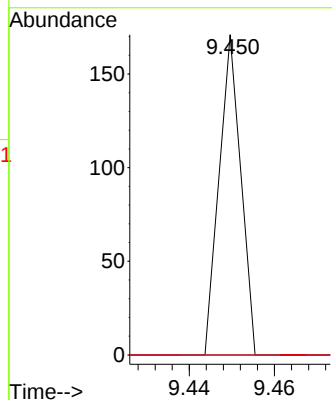
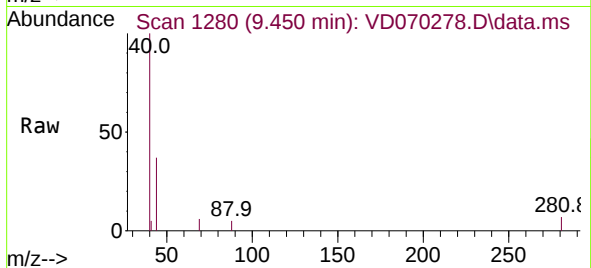
Delta R.T. -0.012 min

Lab File: VD070278.D

Acq: 31 Aug 2021 14:30

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	0.0	57.4	86.2#

Instrument :
MSVOA_D
ClientSampleId :



#50

Toluene-d8

Concen: 51.088 ug/l

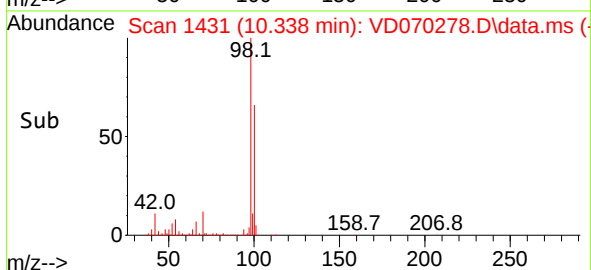
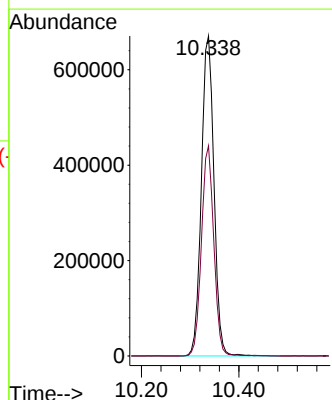
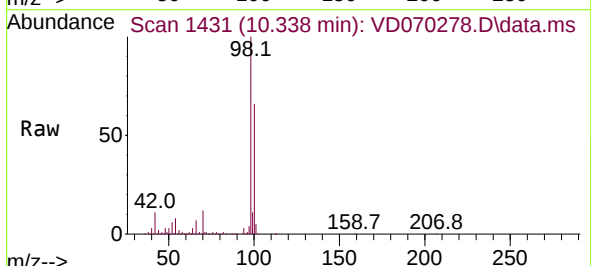
RT: 10.338 min Scan# 1431

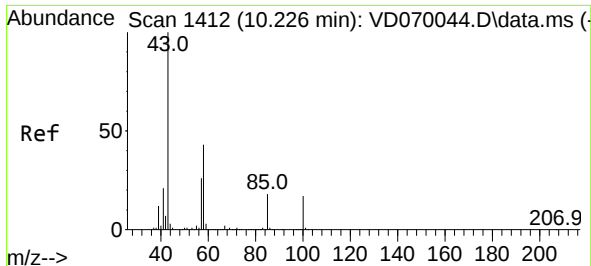
Delta R.T. 0.006 min

Lab File: VD070278.D

Acq: 31 Aug 2021 14:30

Tgt Ion:	98	Resp:	1201340
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	78.8

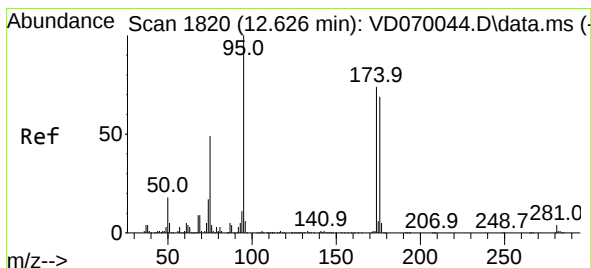
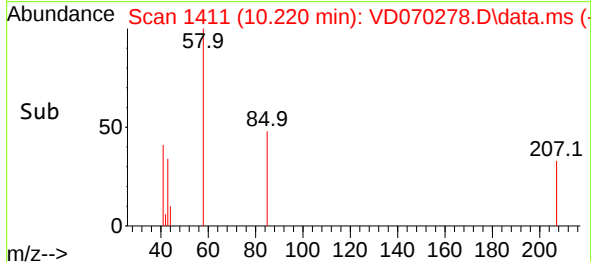
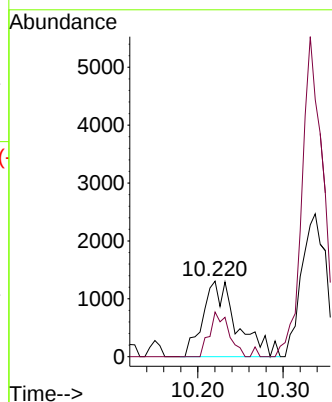
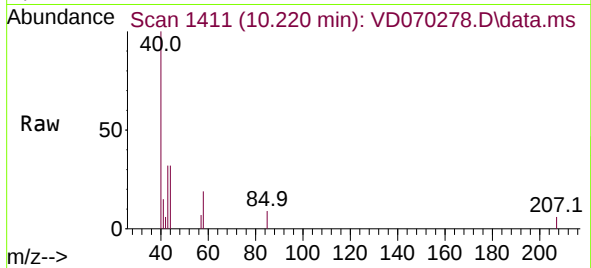




#51
4-Methyl-2-Pentanone
Concen: 1.026 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

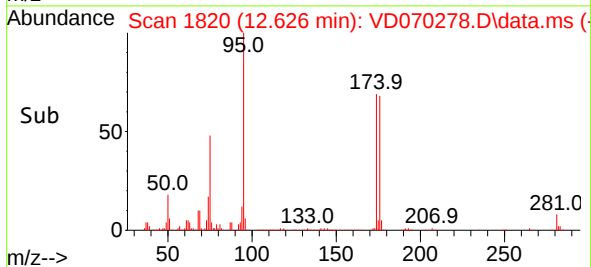
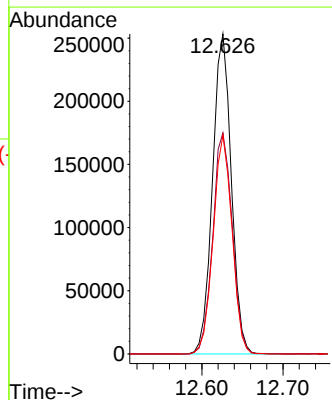
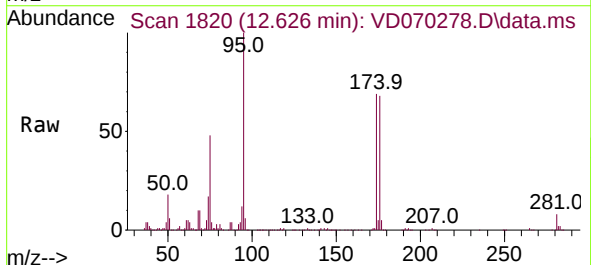
Instrument :
MSVOA_D
ClientSampled :

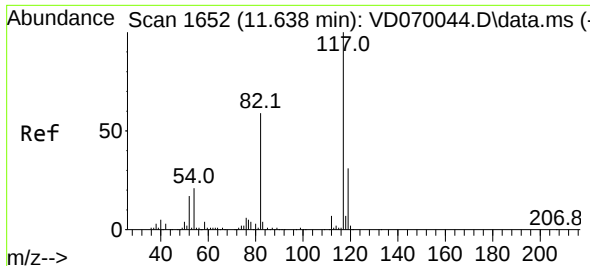
Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
58 33.2 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 52.453 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion: 95 Resp: 406265
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 68.7 0.0 138.2

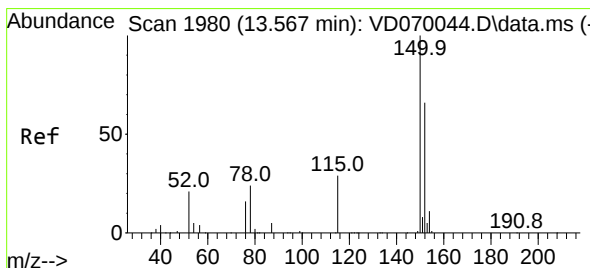
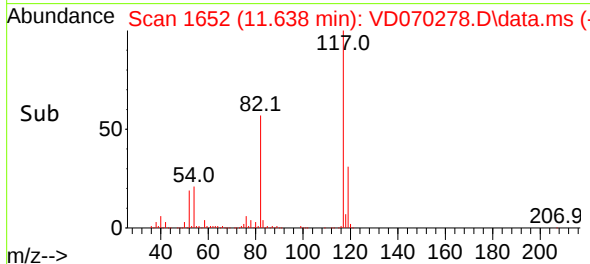
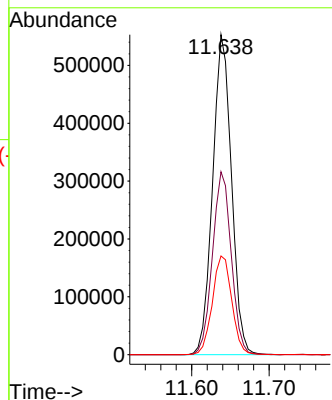
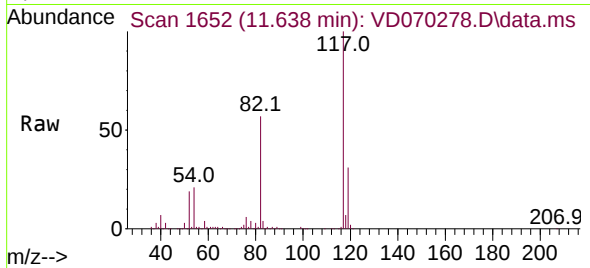




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

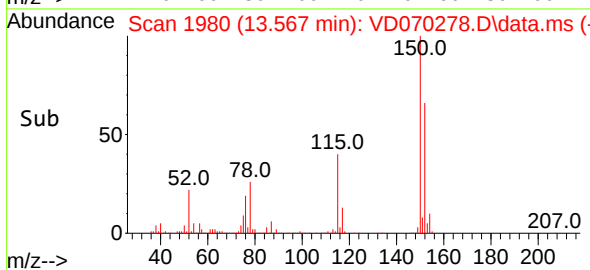
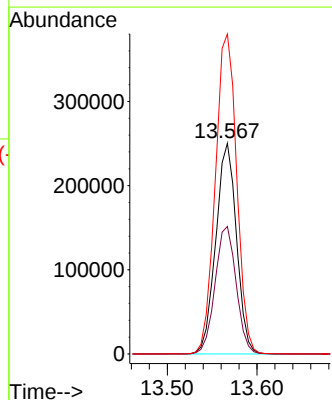
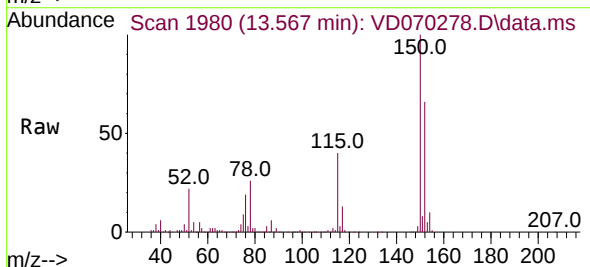
Instrument :
MSVOA_D
ClientSampleId :

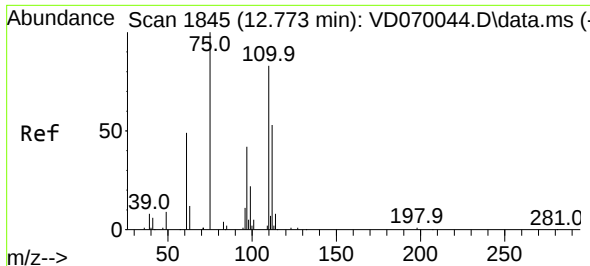
Tgt Ion:117 Resp: 933519
Ion Ratio Lower Upper
117 100
82 57.2 47.5 71.3
119 30.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion:152 Resp: 401172
Ion Ratio Lower Upper
152 100
115 61.7 31.2 93.6
150 156.5 0.0 352.0

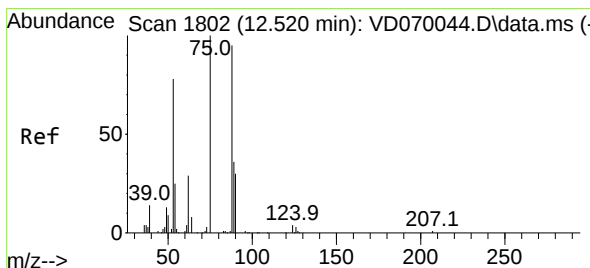
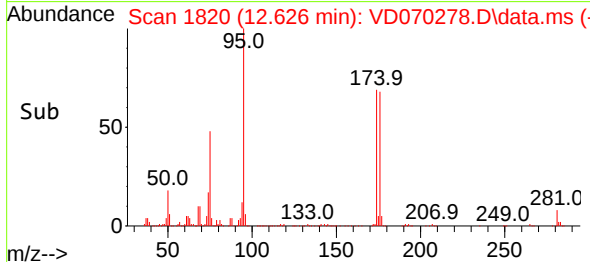
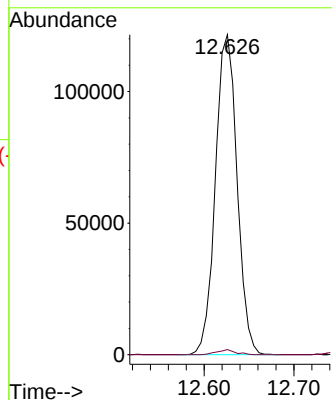
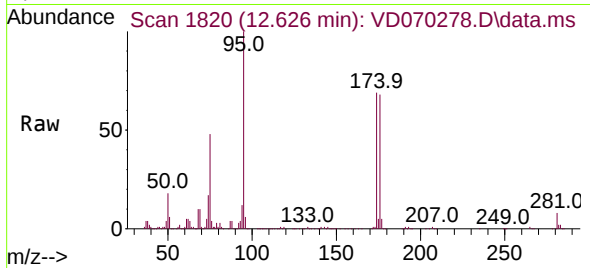




#76
1,2,3-Trichloropropane
Concen: 50.092 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 203798
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.022 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070278.D
Acq: 31 Aug 2021 14:30

Tgt Ion: 75 Resp: 203798
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.2 33.7 50.5#

