

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070112.D
 Acq On : 18 Aug 2021 04:34
 Operator : VA/SY
 Sample : M3430-08
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-2D

Quant Time: Aug 18 05:00:05 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)

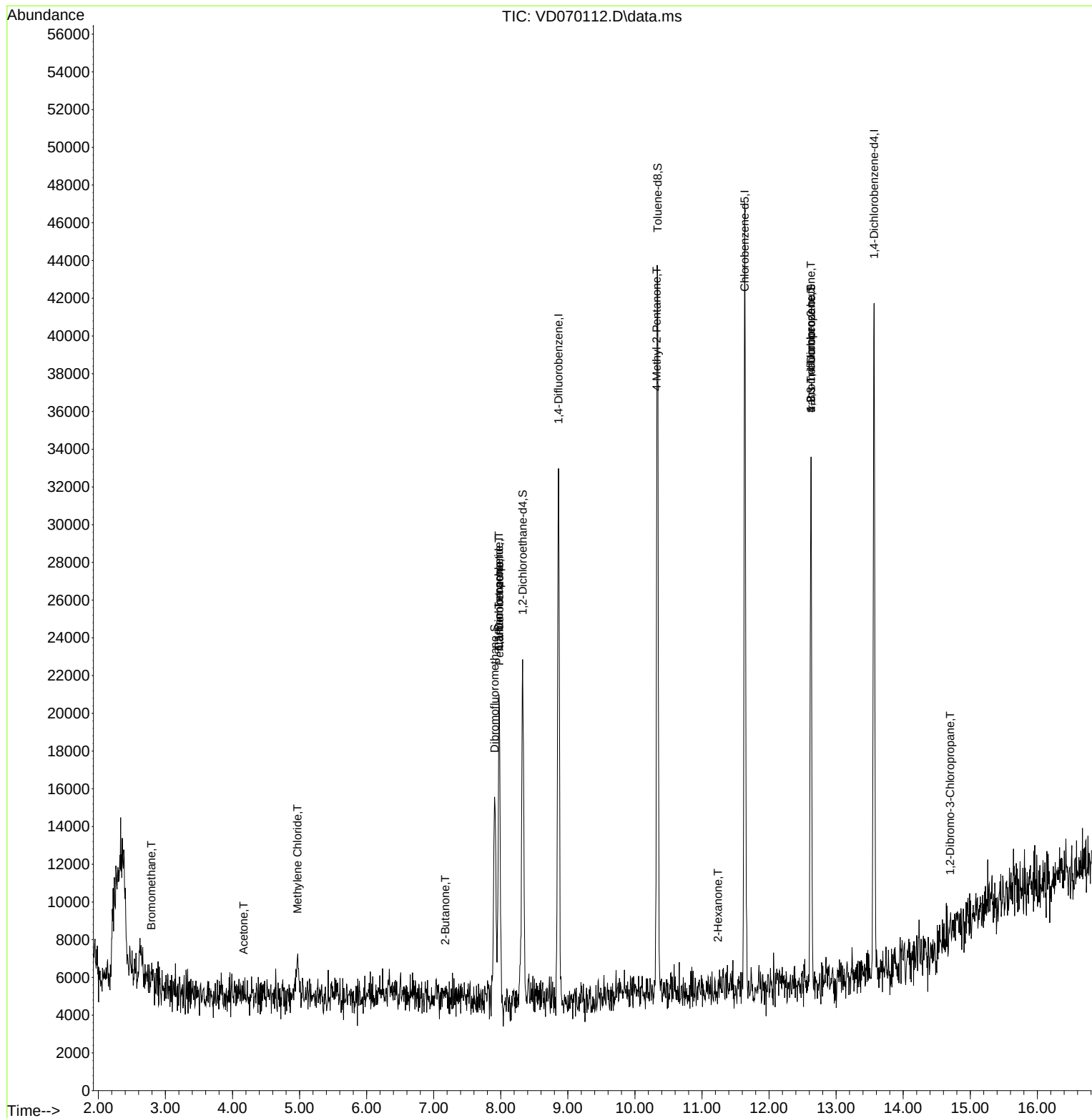
Internal Standards						
1) Pentafluorobenzene	7.979	168	12197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	24673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	23107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	9613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	13224	92.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.360%#			
35) Dibromofluoromethane	7.908	113	8562	53.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.420%			
50) Toluene-d8	10.338	98	25859	41.709	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 83.420%			
62) 4-Bromofluorobenzene	12.626	95	9539	46.712	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.420%			
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	536	Below Cal	#	28
5) Bromomethane	2.791	94	1026	5.228	ug/l #	65
16) Acetone	4.167	43	233	8.817	ug/l #	41
20) Methylene Chloride	4.967	84	1698	1.525	ug/l #	55
25) 2-Butanone	7.173	43	59	1.634	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	1159	4.366	ug/l #	42
38) Carbon Tetrachloride	7.973	117	1430	5.934	ug/l #	10
51) 4-Methyl-2-Pentanone	10.326	43	115	1.229	ug/l #	33
59) 2-Hexanone	11.238	43	68	1.085	ug/l #	21
76) 1,2,3-Trichloropropane	12.626	75	5125	52.570	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	5125	136.452	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.702	75	60	2.872	ug/l #	8

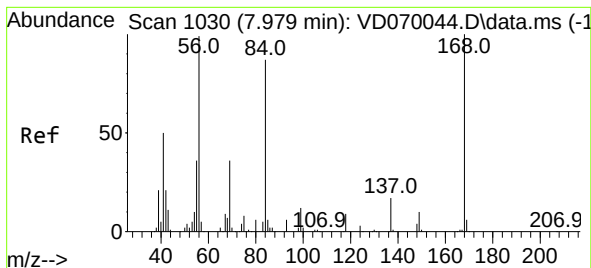
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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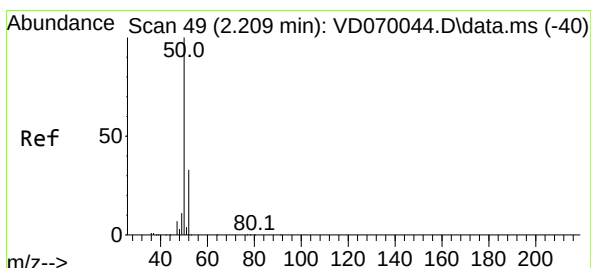
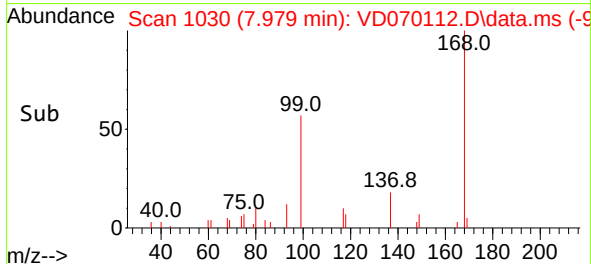
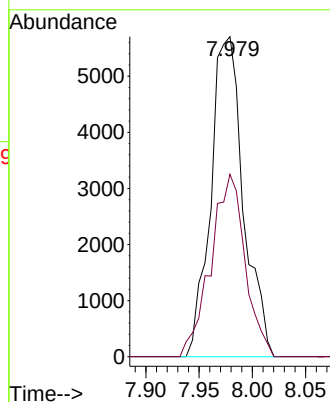
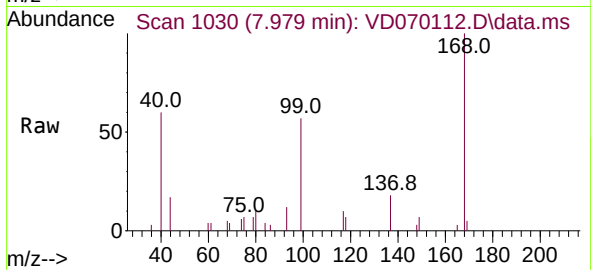




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

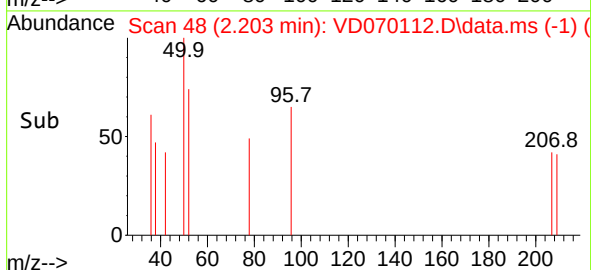
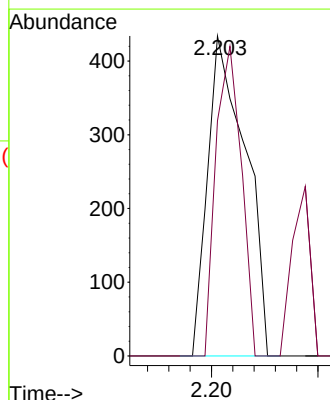
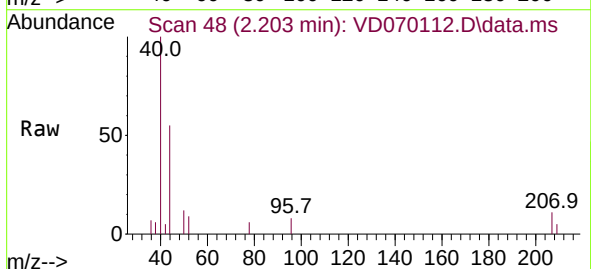
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

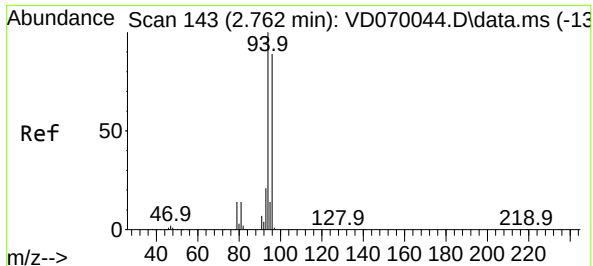
Tgt Ion:168 Resp: 12197
Ion Ratio Lower Upper
168 100
99 57.0 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 73.5 26.3 39.5#

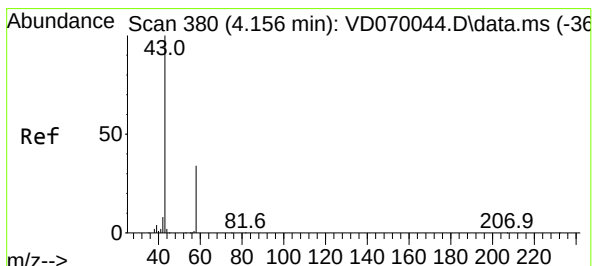
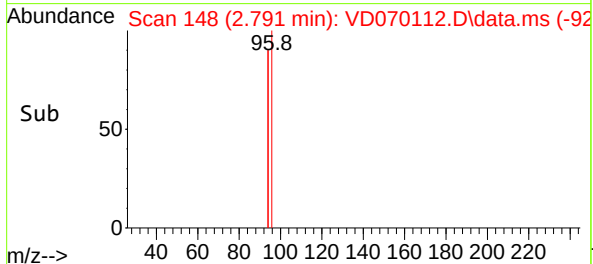
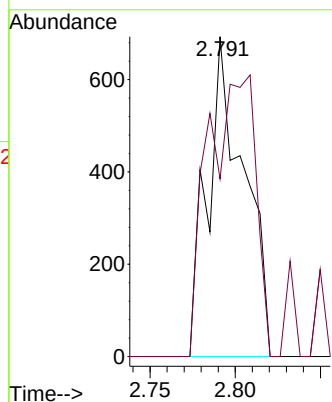
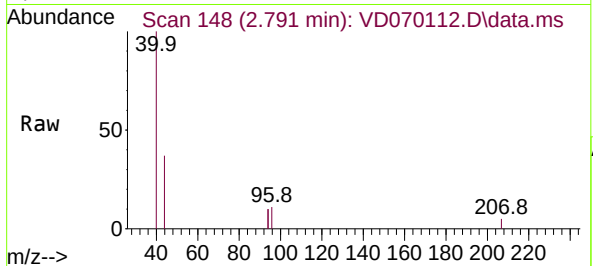




#5
Bromomethane
Concen: 5.228 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

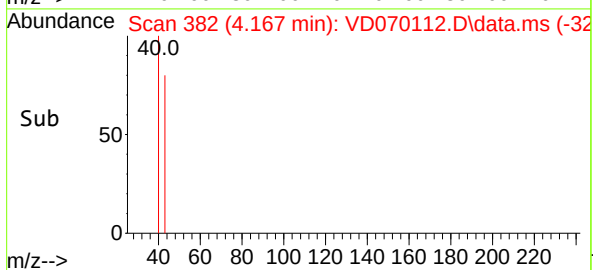
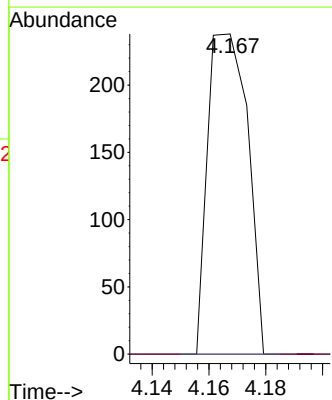
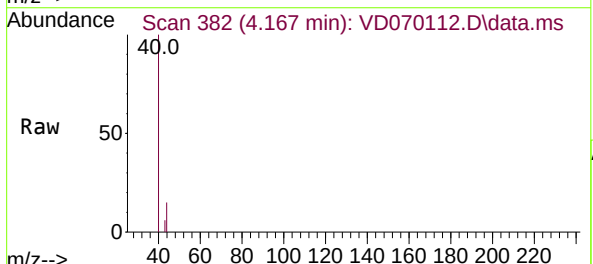
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

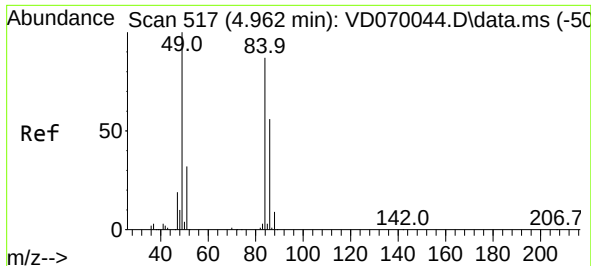
Tgt Ion: 94 Resp: 1026
Ion Ratio Lower Upper
94 100
96 55.6 70.9 106.3#



#16
Acetone
Concen: 8.817 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#

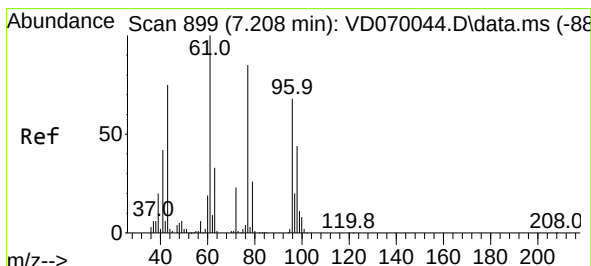
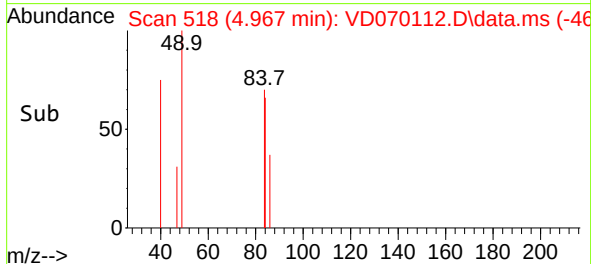
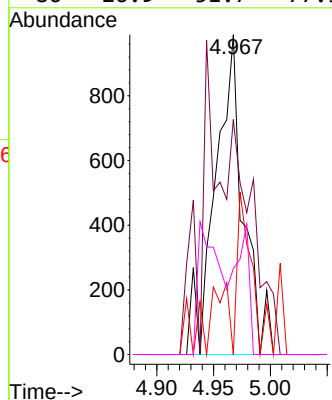
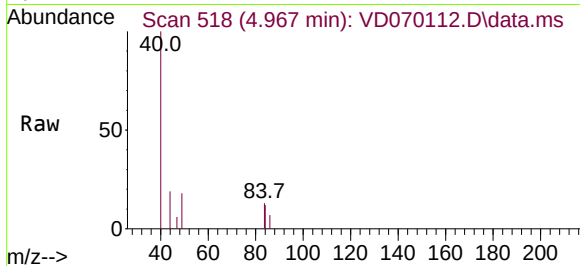




#20
Methylene Chloride
Concen: 1.525 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

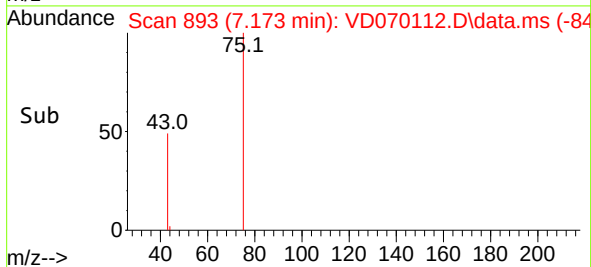
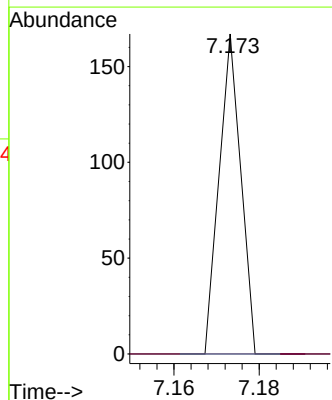
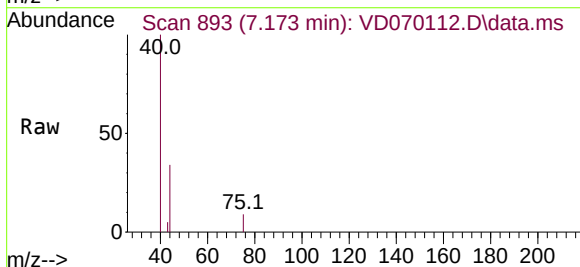
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

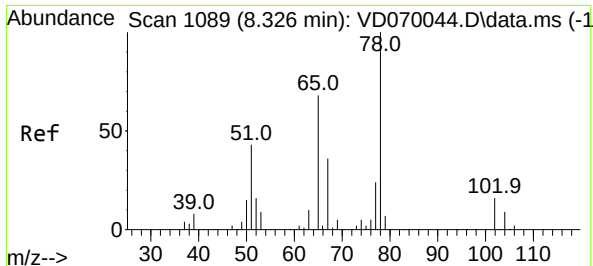
Tgt Ion:	84	Resp:	1698
Ion	Ratio	Lower	Upper
84	100		
49	73.5	92.5	138.7#
51	0.0	29.7	44.5#
86	26.9	51.7	77.5#



#25
2-Butanone
Concen: 1.634 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.035 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.2	36.4#





#33

1,2-Dichloroethane-d4

Concen: 92.182 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070112.D

Acq: 18 Aug 2021 04:34

Tgt Ion: 65 Resp: 13224

Ion Ratio Lower Upper

65 100

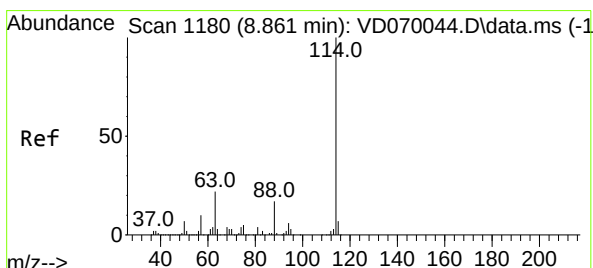
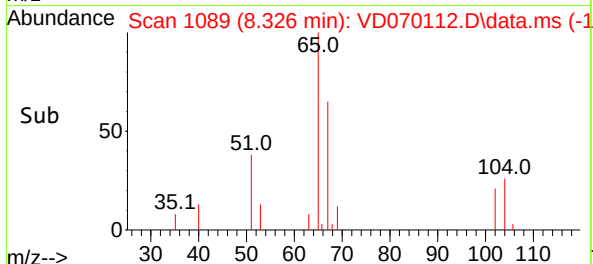
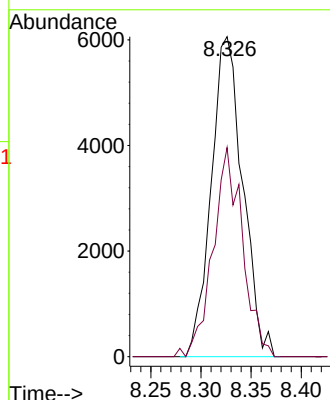
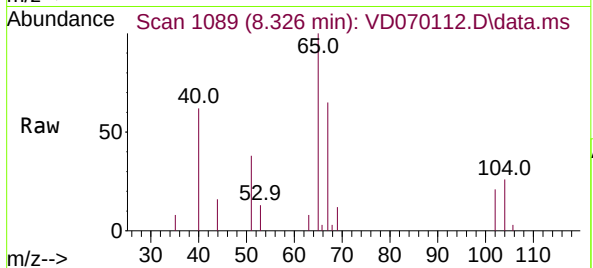
67 61.2 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :

PE-2D



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070112.D

Acq: 18 Aug 2021 04:34

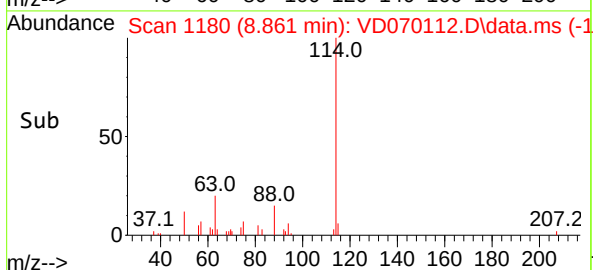
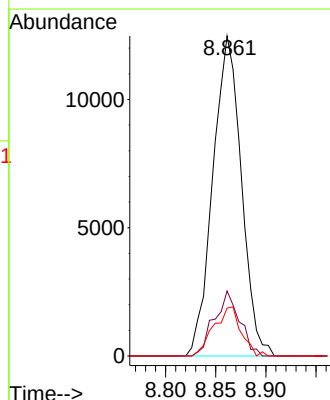
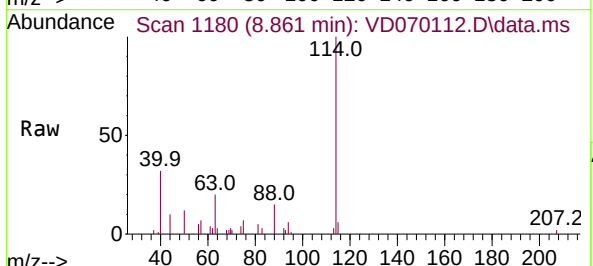
Tgt Ion: 114 Resp: 24673

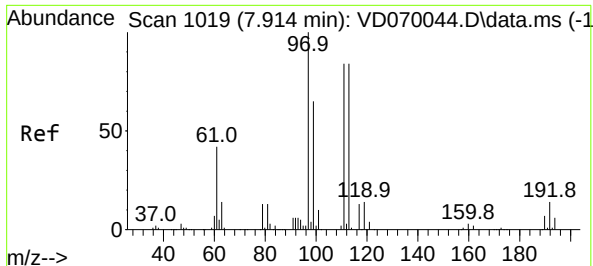
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.6

88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.713 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070112.D

Acq: 18 Aug 2021 04:34

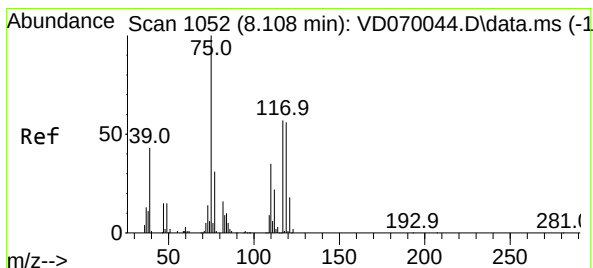
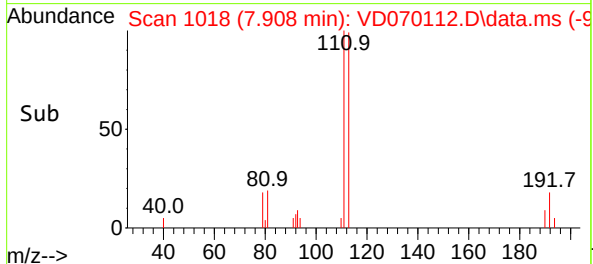
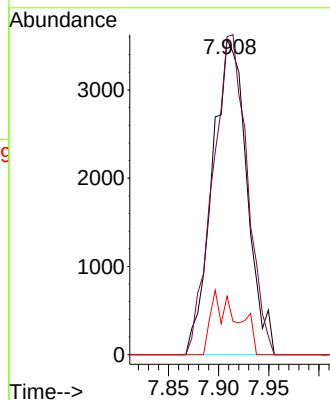
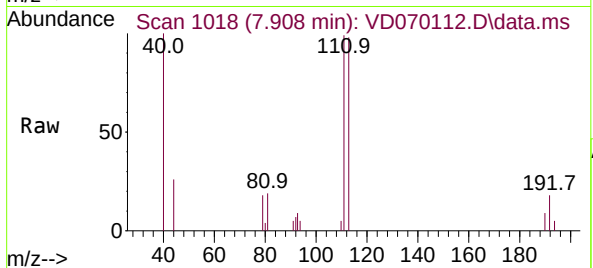
Tgt Ion:113 Resp: 8562

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.6

192 15.4 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.366 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070112.D

Acq: 18 Aug 2021 04:34

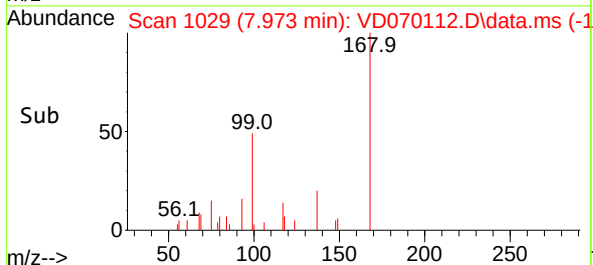
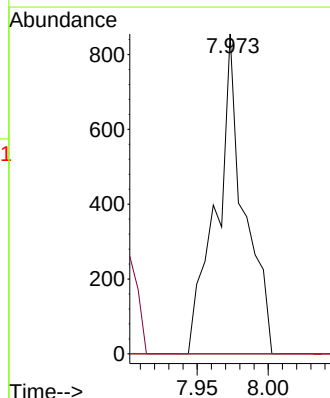
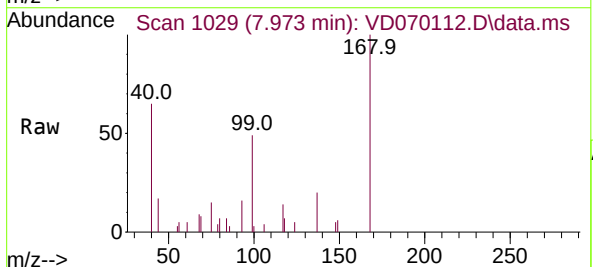
Tgt Ion: 75 Resp: 1159

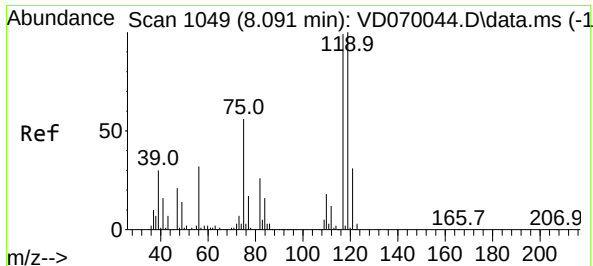
Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.7#

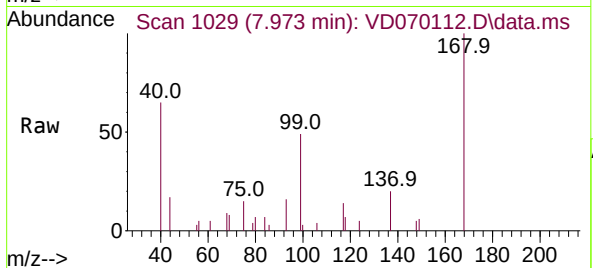
77 0.0 25.2 37.8#



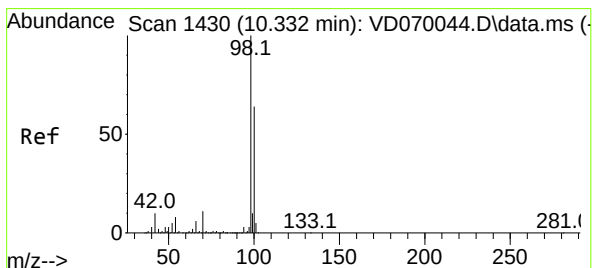
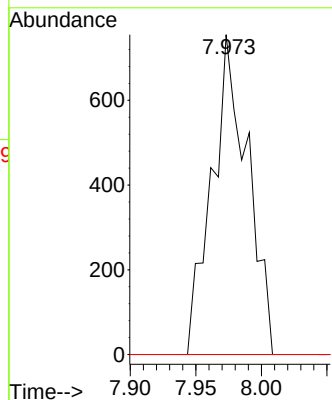
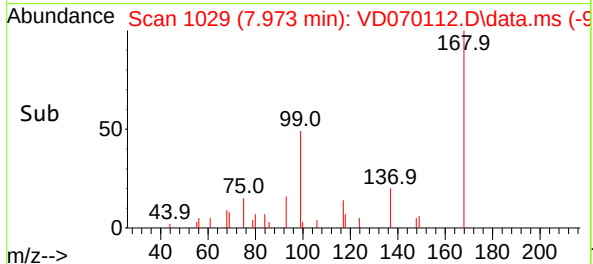


#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

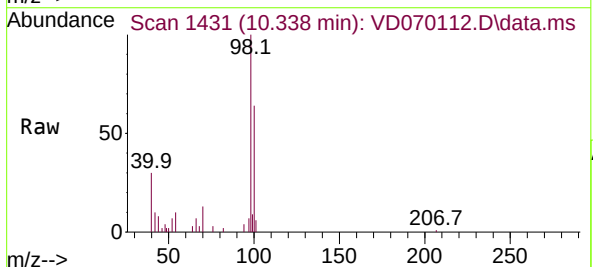
Instrument :
MSVOA_D
ClientSampleId :
PE-2D



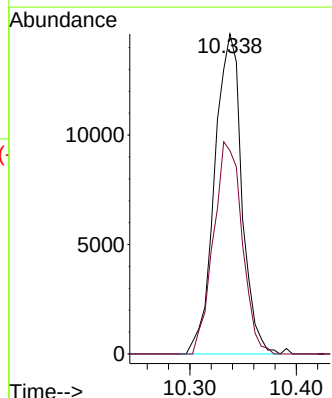
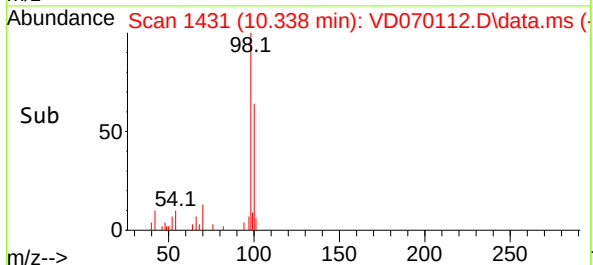
Tgt Ion:117 Resp: 1430
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#

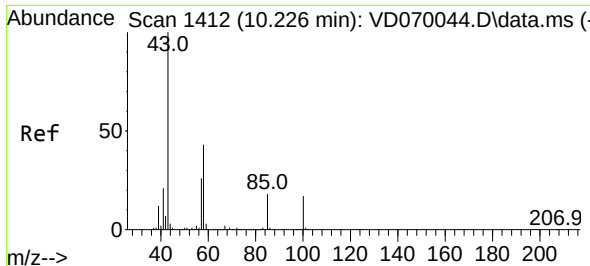


#50
Toluene-d8
Concen: 41.709 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34



Tgt Ion: 98 Resp: 25859
Ion Ratio Lower Upper
98 100
100 69.9 52.6 78.8

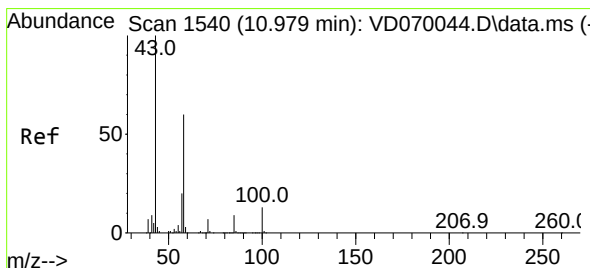
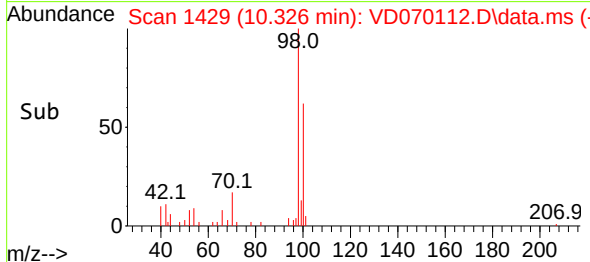
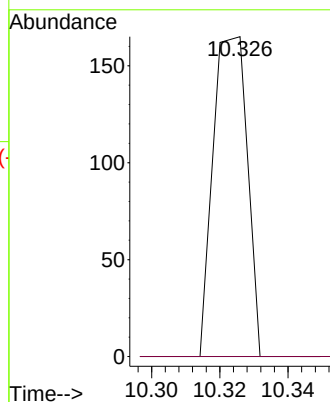
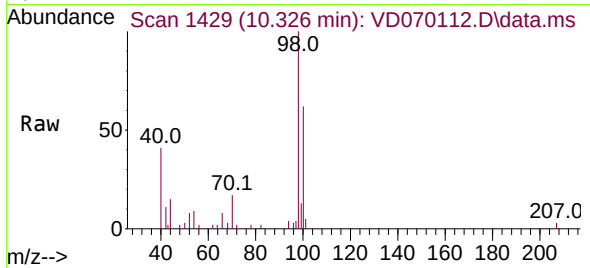




#51
4-Methyl-2-Pentanone
Concen: 1.229 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

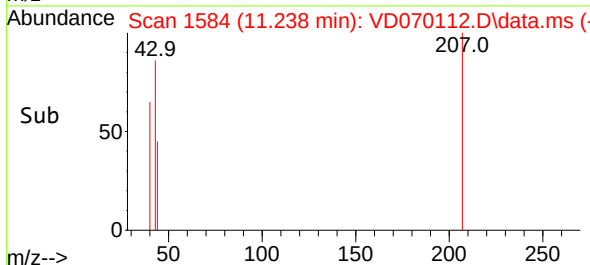
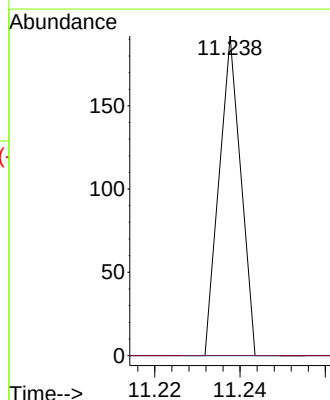
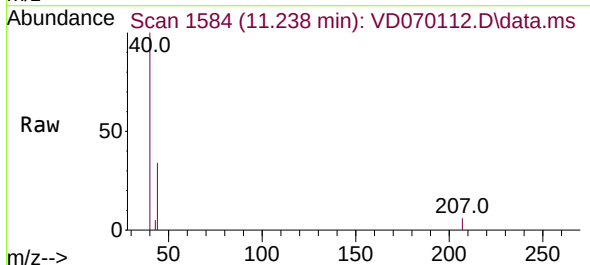
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

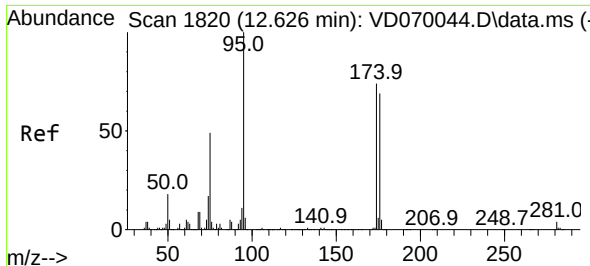
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#59
2-Hexanone
Concen: 1.085 ug/l
RT: 11.238 min Scan# 1584
Delta R.T. 0.259 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

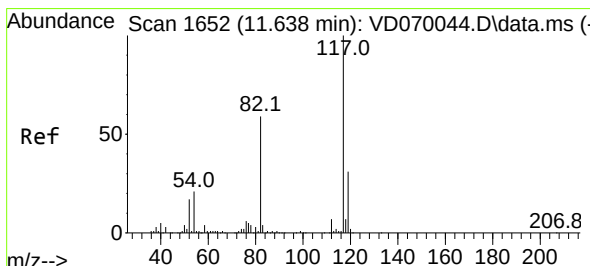
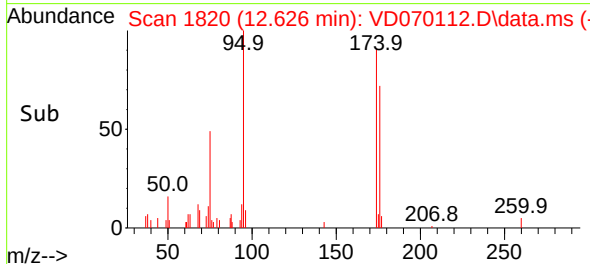
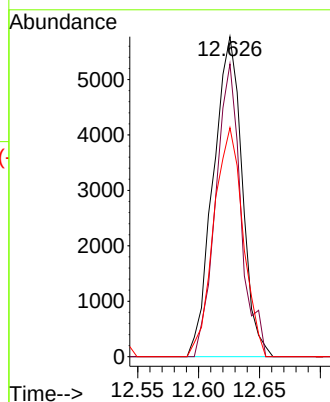
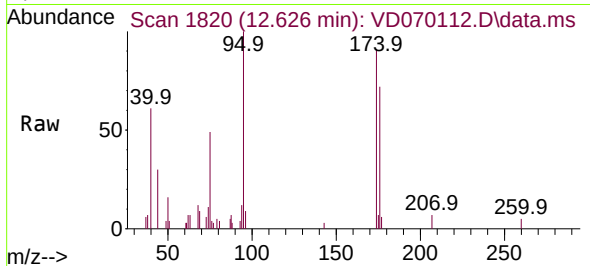




#62
4-Bromofluorobenzene
Concen: 46.712 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

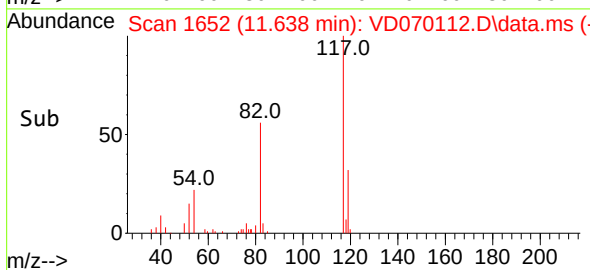
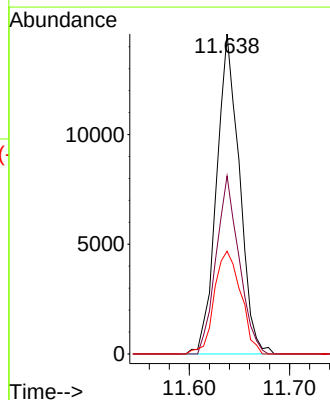
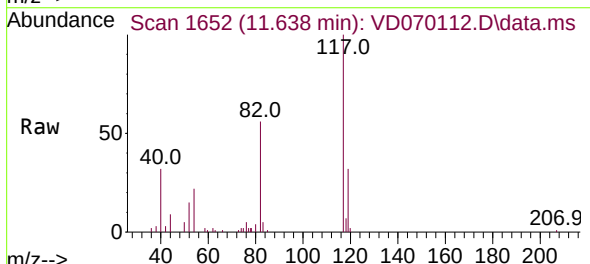
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

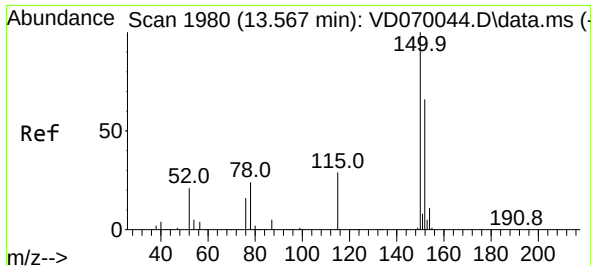
Tgt Ion:	95	Resp:	9539
Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	141.6
176	72.7	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion:	117	Resp:	23107
Ion	Ratio	Lower	Upper
117	100		
82	55.6	47.5	71.3
119	32.1	25.1	37.7

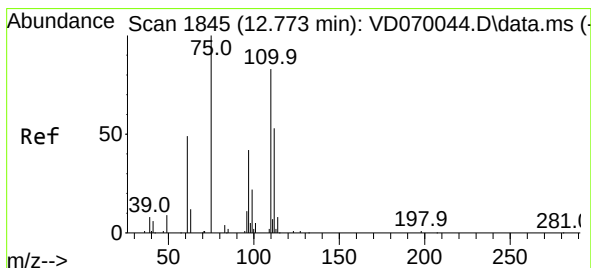
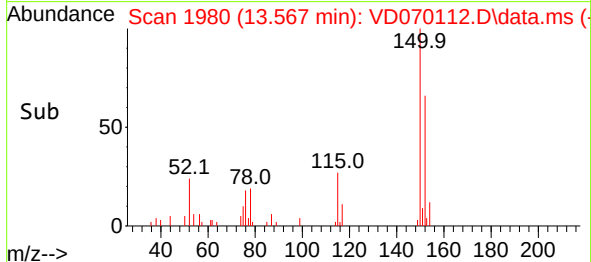
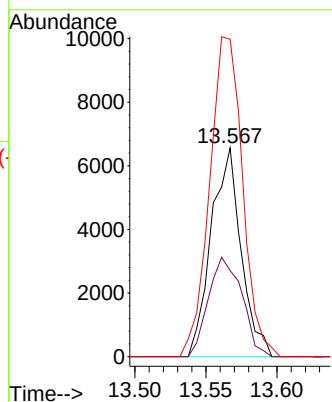
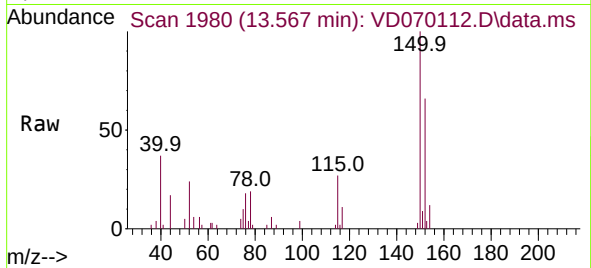




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

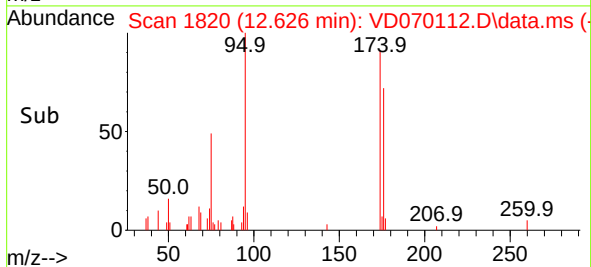
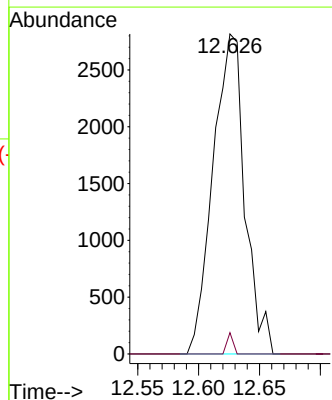
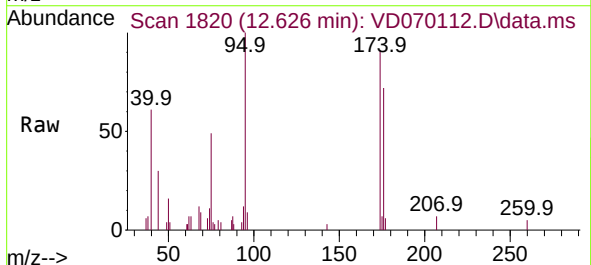
Instrument :
MSVOA_D
ClientSampleId :
PE-2D

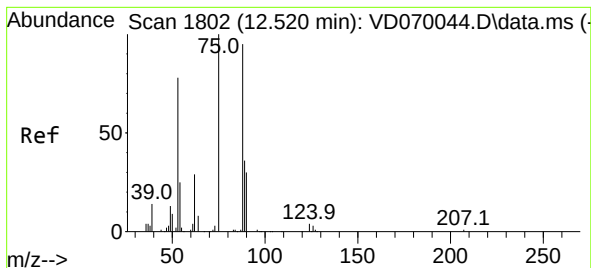
Tgt Ion:152 Resp: 9613
Ion Ratio Lower Upper
152 100
115 53.3 31.2 93.6
150 168.9 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 52.570 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion: 75 Resp: 5125
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#

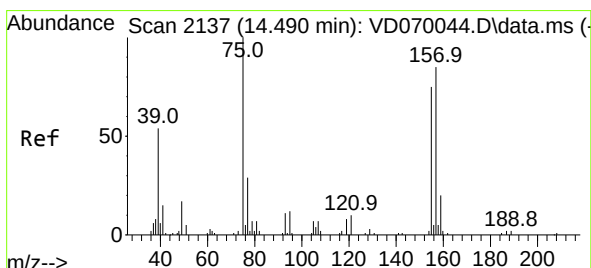
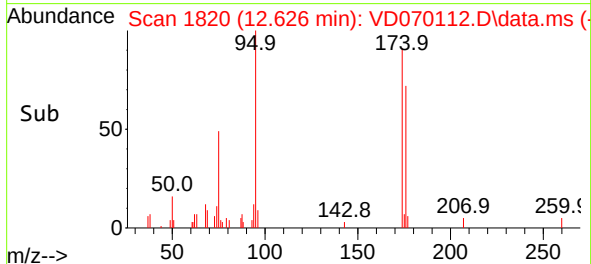
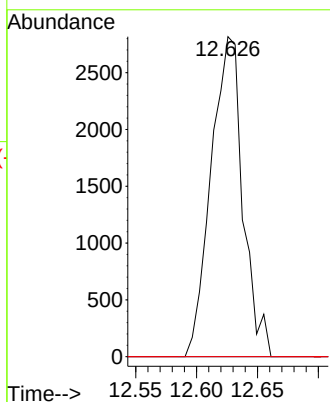
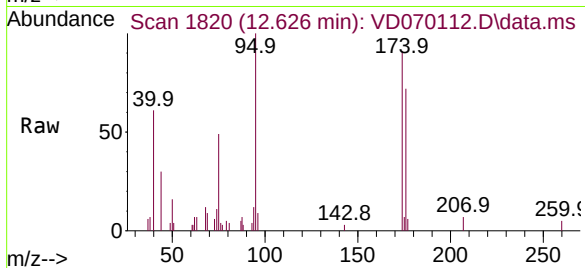




#81
trans-1,4-Dichloro-2-butene
Concen: 136.452 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Instrument :
MSVOA_D
ClientSampleId :
PE-2D

Tgt Ion:	75	Resp:	5125
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.5	96.7#
89	0.0	33.7	50.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.872 ug/l
RT: 14.702 min Scan# 2173
Delta R.T. 0.212 min
Lab File: VD070112.D
Acq: 18 Aug 2021 04:34

Tgt Ion:	75	Resp:	60
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.3	105.9#
157	0.0	46.8	140.3#

