

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082521\
 Data File : VD070252.D
 Acq On : 25 Aug 2021 15:40
 Operator : VA/SY
 Sample : M3524-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-1

Quant Time: Aug 26 02:45:16 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)

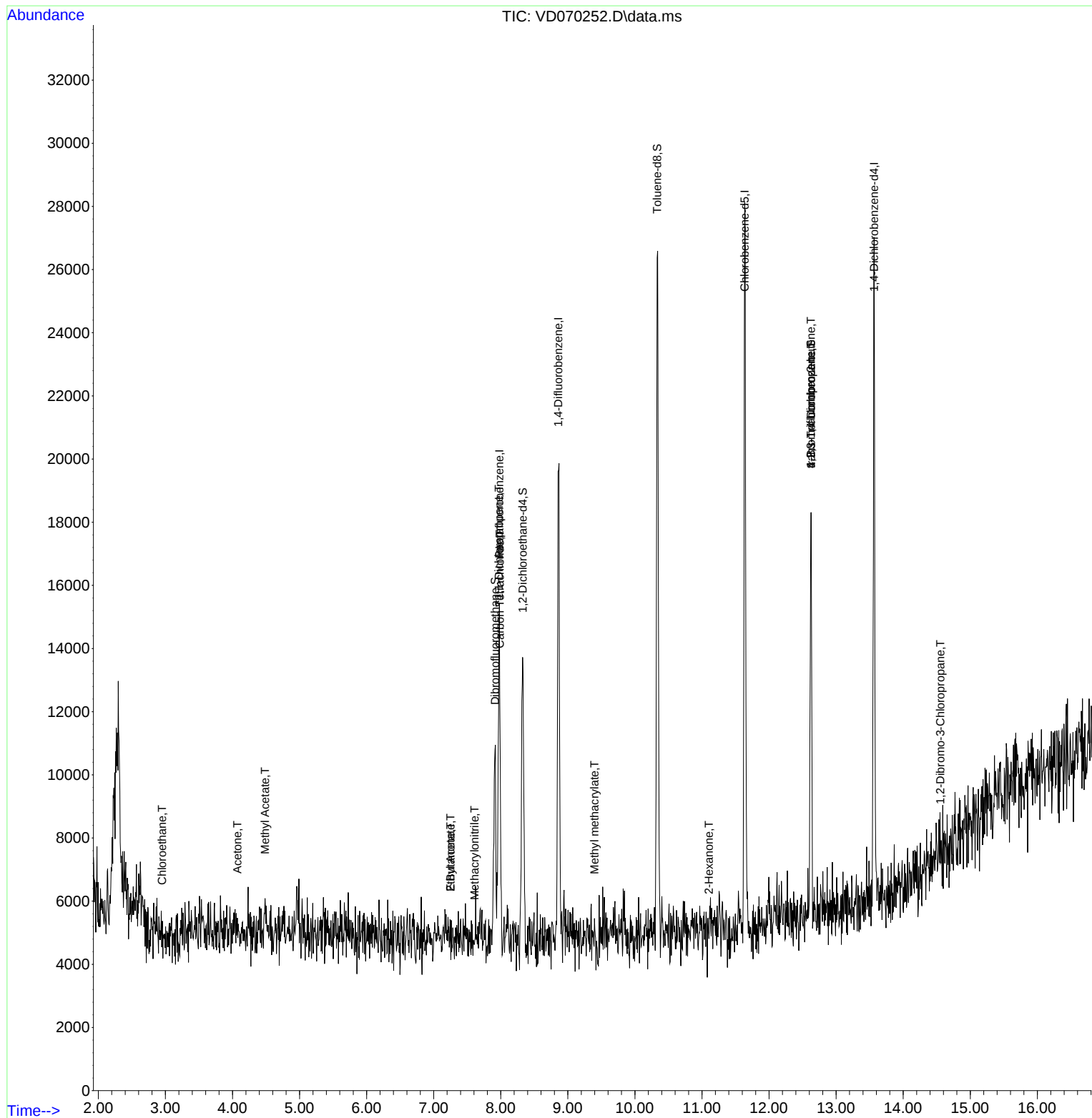
Internal Standards						
1) Pentafluorobenzene	7.979	168	8396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	12963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	13986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7232	73.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.480%			
35) Dibromofluoromethane	7.914	113	4394	52.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.332	98	16222	49.801	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.626	95	5254	48.970	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.940%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	169	Below Cal	#	42
5) Bromomethane	2.797	94	55	Below Cal	#	44
6) Chloroethane	2.950	64	133	1.465	ug/l #	42
16) Acetone	4.073	43	57	3.133	ug/l #	41
18) Methyl Acetate	4.485	43	74	1.364	ug/l #	50
20) Methylene Chloride	4.967	84	450	Below Cal	#	60
25) 2-Butanone	7.250	43	64	2.575	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	457	3.277	ug/l #	42
37) Ethyl Acetate	7.250	43	64	1.263	ug/l #	67
38) Carbon Tetrachloride	7.985	117	585	4.621	ug/l #	10
41) Methacrylonitrile	7.608	41	60	2.191	ug/l #	18
48) Methyl methacrylate	9.397	41	56	1.242	ug/l #	2
59) 2-Hexanone	11.102	43	58	1.761	ug/l #	21
76) 1,2,3-Trichloropropane	12.626	75	2420	40.714	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	2420	105.679	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.555	75	66	5.181	ug/l #	8

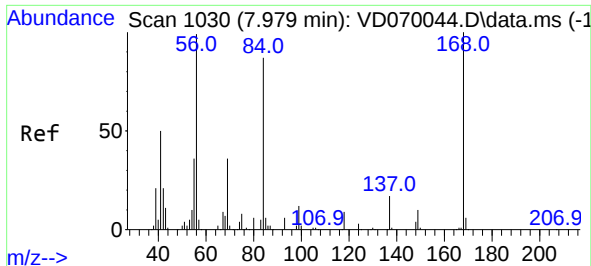
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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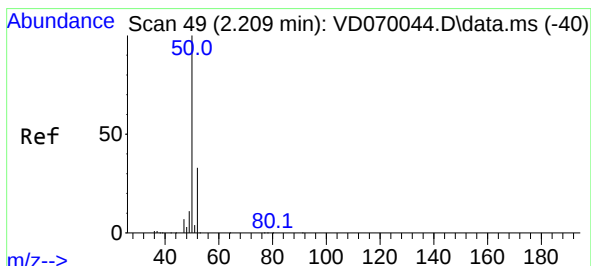
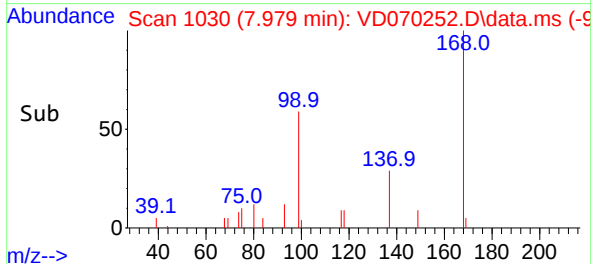
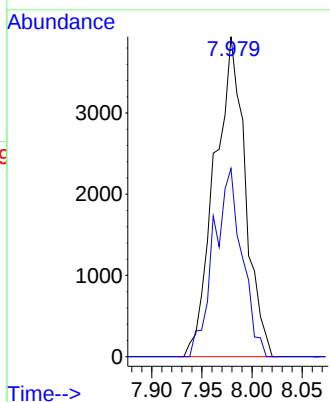
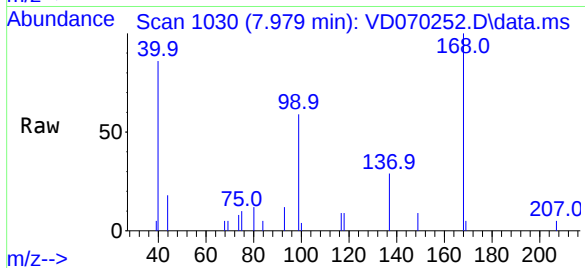




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

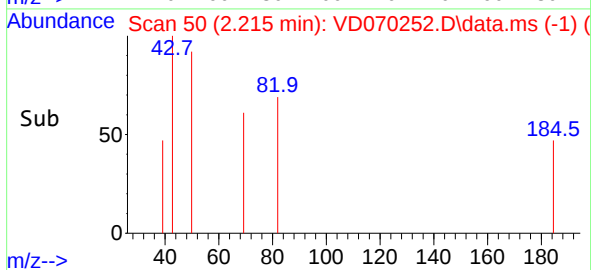
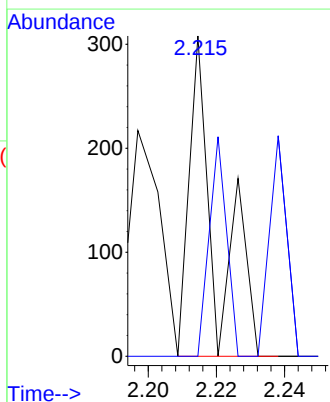
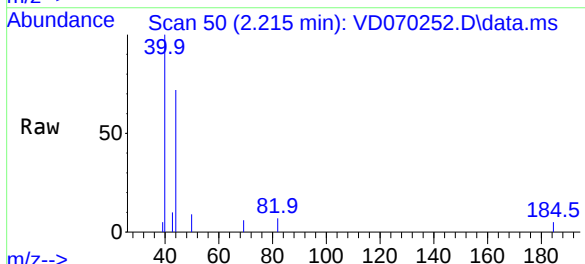
Instrument :
MSVOA_D
ClientSampleId :
PE-1

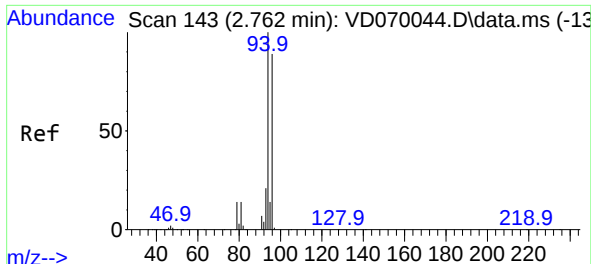
Tgt Ion:168 Resp: 8396
Ion Ratio Lower Upper
168 100
99 58.8 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

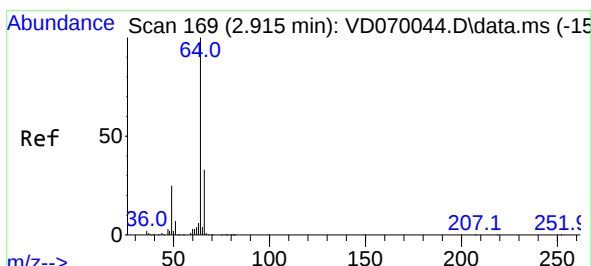
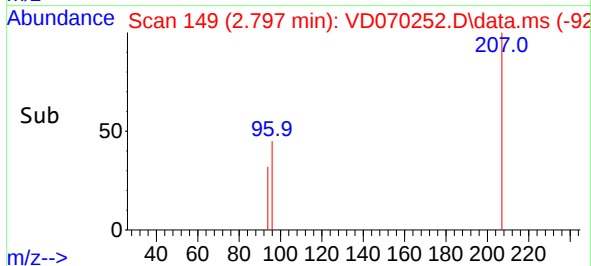
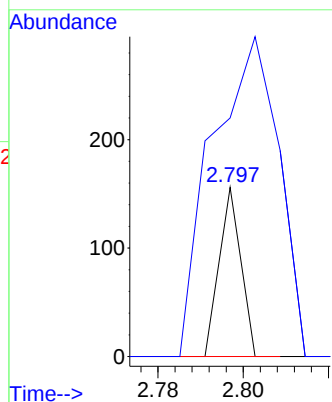
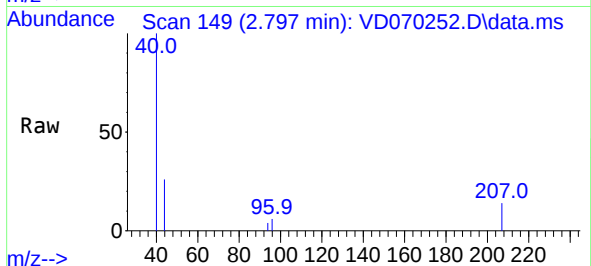




#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

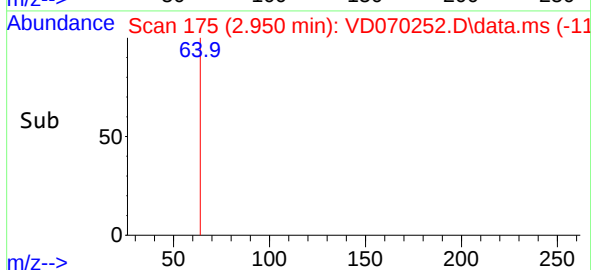
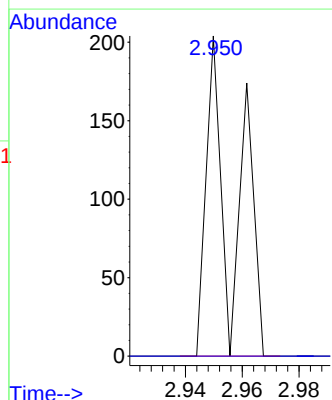
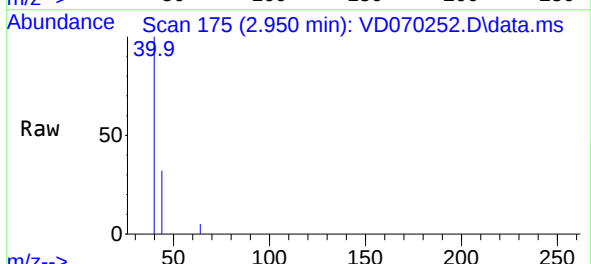
Instrument :
MSVOA_D
ClientSampleId :
PE-1

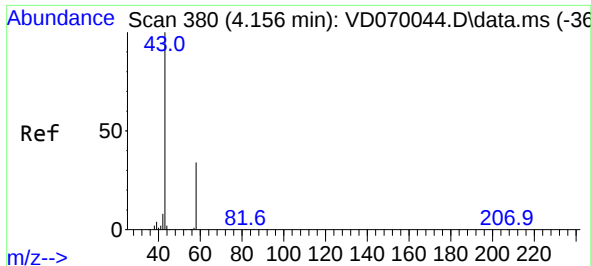
Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 141.0 70.9 106.3#



#6
Chloroethane
Concen: 1.465 ug/l
RT: 2.950 min Scan# 175
Delta R.T. 0.035 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 64 Resp: 133
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#

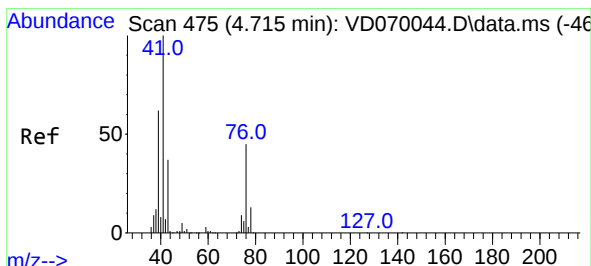
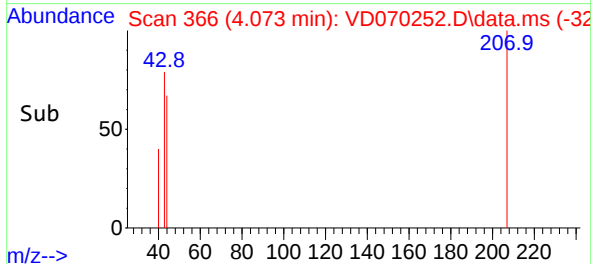
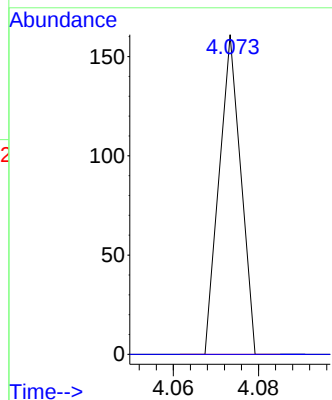
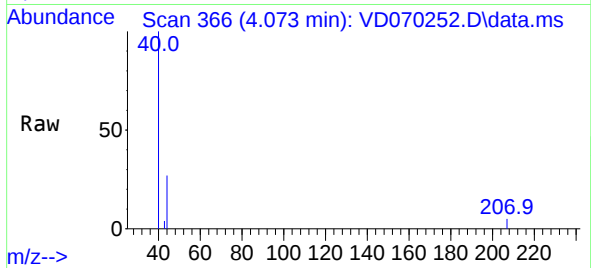




#16
Acetone
Concen: 3.133 ug/l
RT: 4.073 min Scan# 366
Delta R.T. -0.082 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

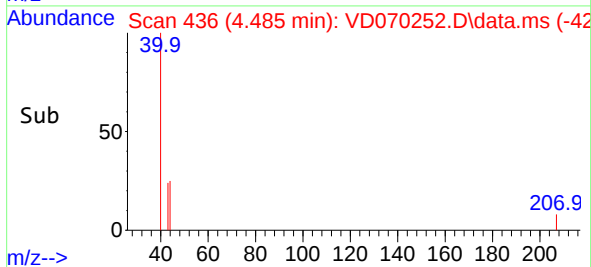
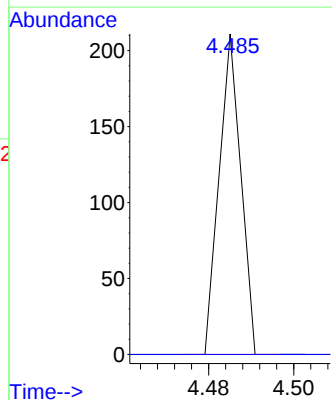
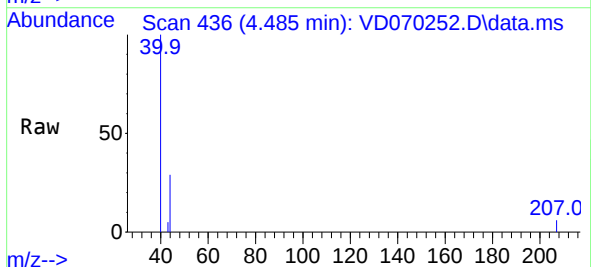
Instrument :
MSVOA_D
ClientSampleId :
PE-1

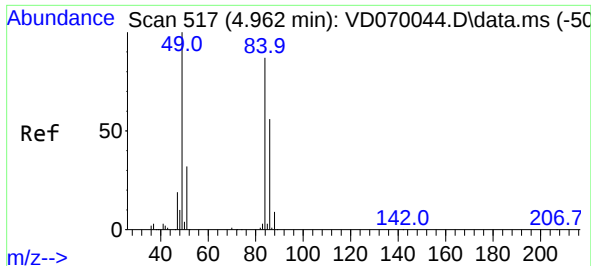
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: 1.364 ug/l
RT: 4.485 min Scan# 436
Delta R.T. -0.229 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD070252.D

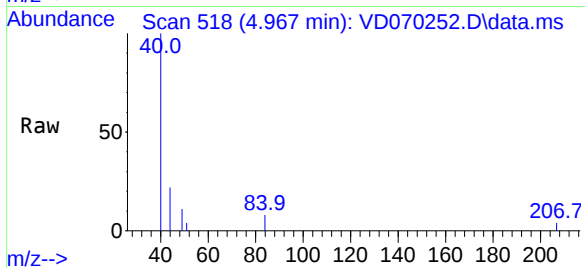
Acq: 25 Aug 2021 15:40

Instrument :

MSVOA_D

ClientSampleId :

PE-1



Tgt Ion: 84 Resp: 450

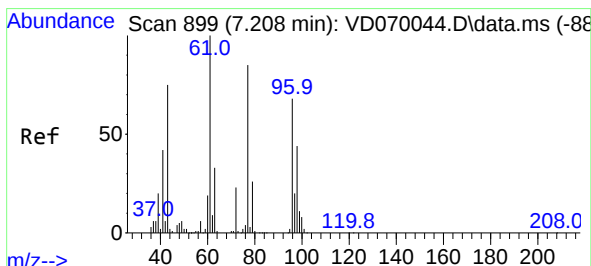
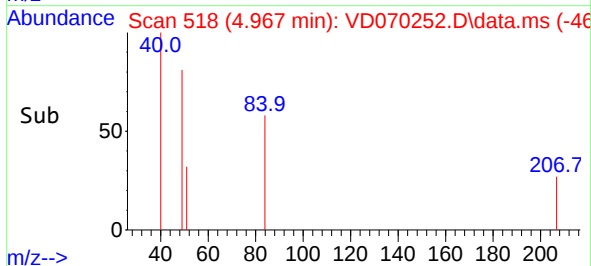
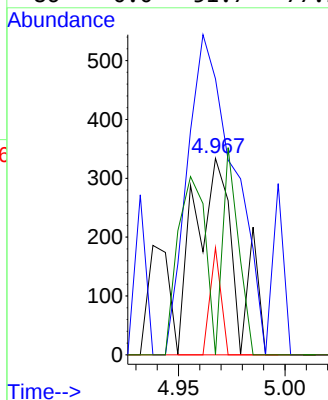
Ion Ratio Lower Upper

84 100

49 94.0 92.5 138.7

51 54.5 29.7 44.5#

86 0.0 51.7 77.5#



#25

2-Butanone

Concen: 2.575 ug/l

RT: 7.250 min Scan# 906

Delta R.T. 0.041 min

Lab File: VD070252.D

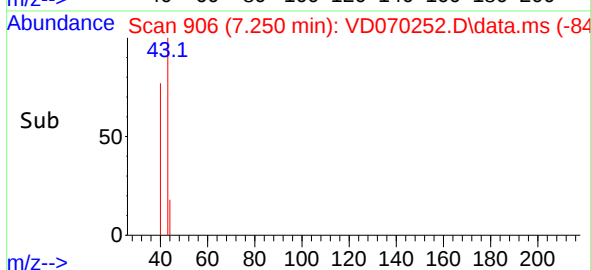
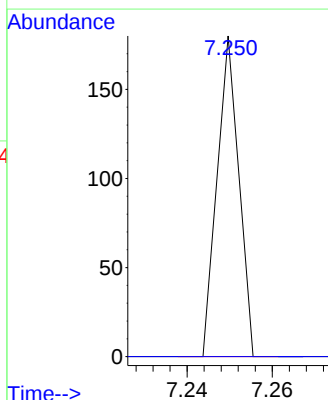
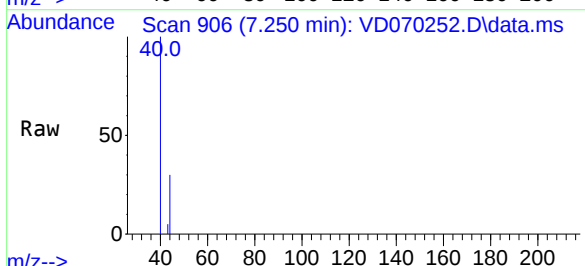
Acq: 25 Aug 2021 15:40

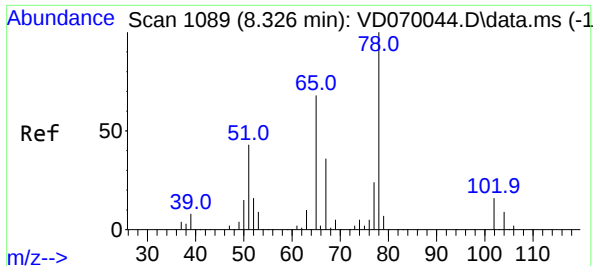
Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

72 0.0 24.2 36.4#

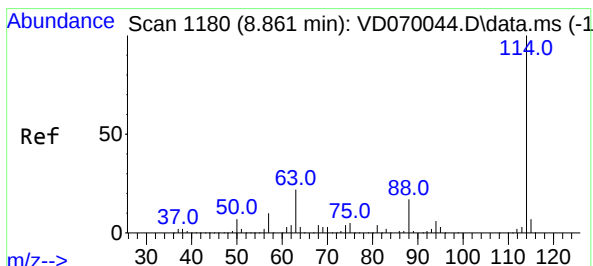
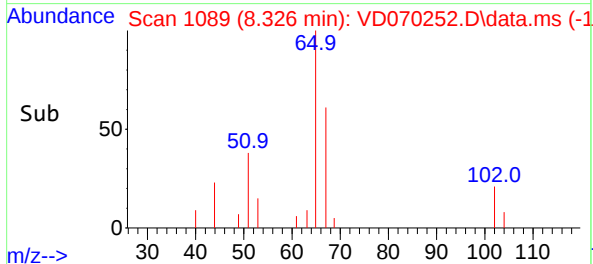
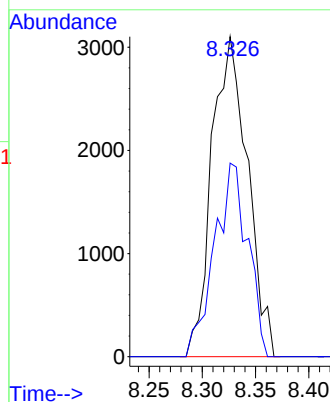
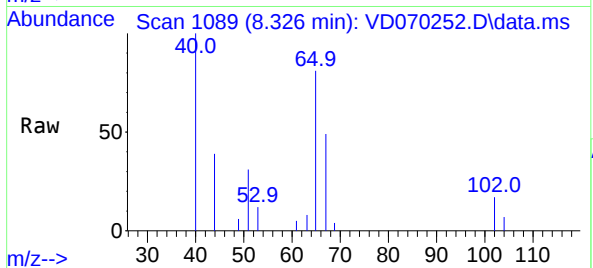




#33
1,2-Dichloroethane-d4
Concen: 73.235 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

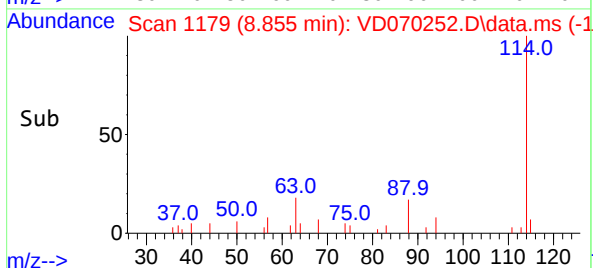
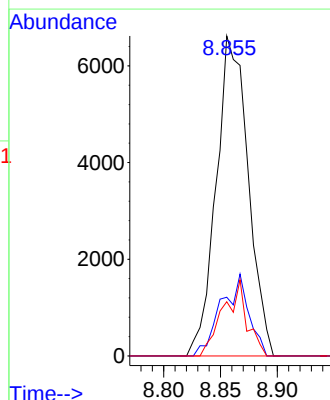
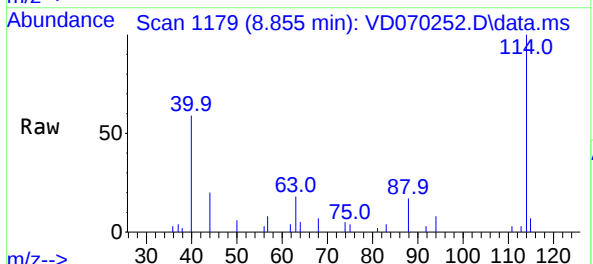
Instrument :
MSVOA_D
ClientSampled :
PE-1

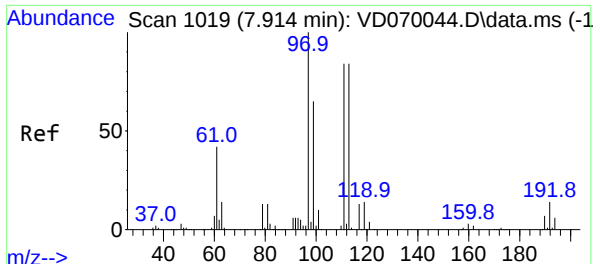
Tgt Ion: 65 Resp: 7232
Ion Ratio Lower Upper
65 100
67 56.3 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 114 Resp: 12963
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.6
88 17.0 0.0 33.4

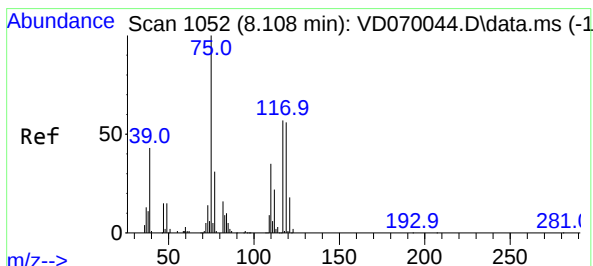
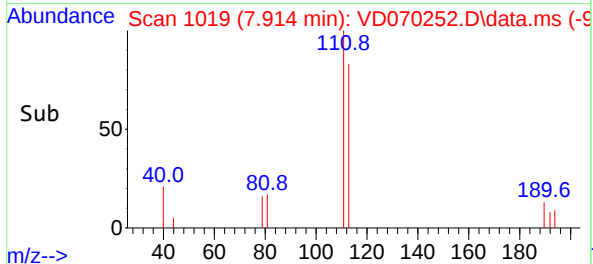
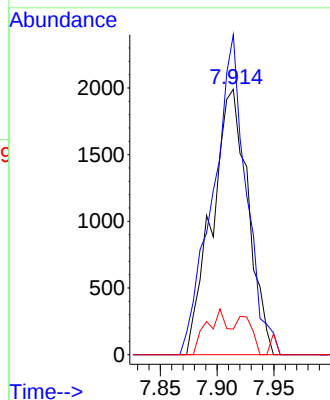
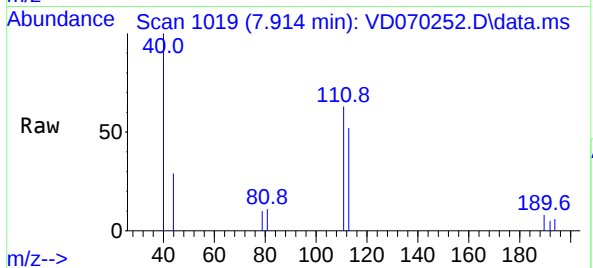




#35
Dibromofluoromethane
Concen: 52.466 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

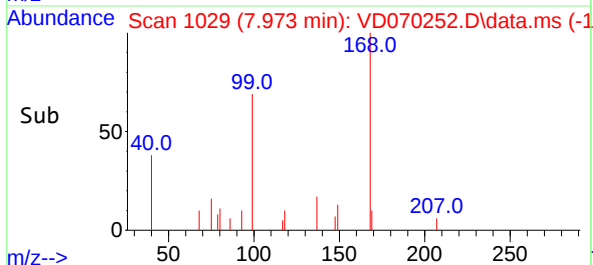
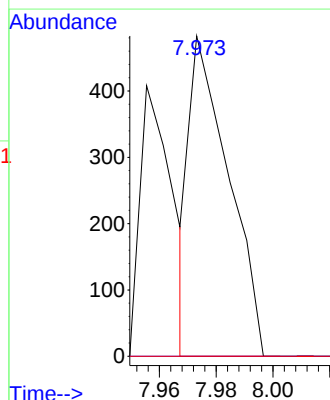
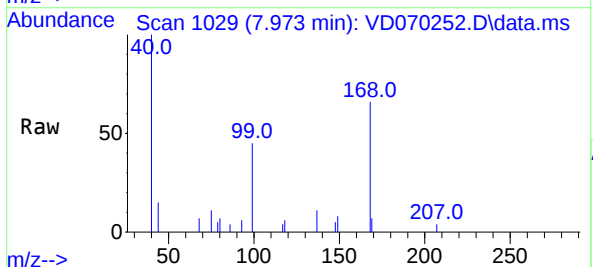
Instrument :
MSVOA_D
ClientSampleId :
PE-1

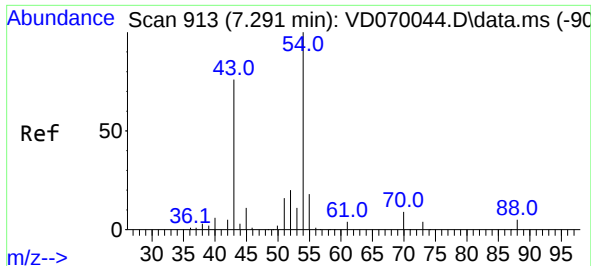
Tgt Ion:	113	Resp:	4394
Ion	Ratio	Lower	Upper
113	100		
111	111.3	81.8	122.6
192	5.9	13.2	19.8#



#36
1,1-Dichloropropene
Concen: 3.277 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion:	75	Resp:	457
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.9	50.7#
77	0.0	25.2	37.8#





#37

Ethyl Acetate

Concen: 1.263 ug/l

RT: 7.250 min Scan# 906

Delta R.T. -0.041 min

Lab File: VD070252.D

Acq: 25 Aug 2021 15:40

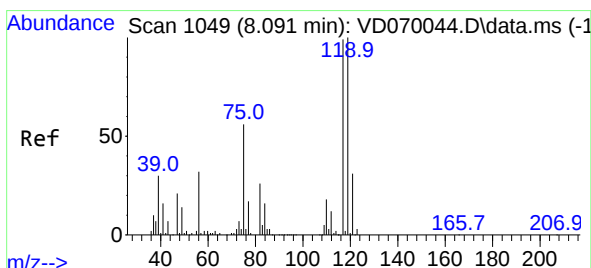
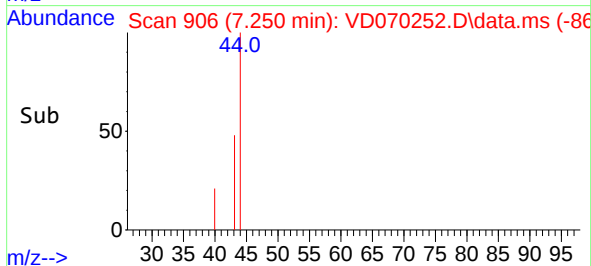
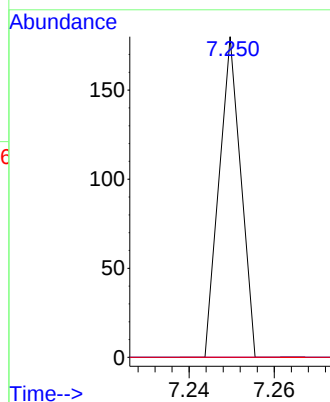
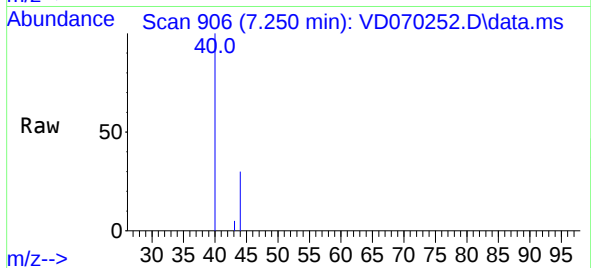
Instrument :

MSVOA_D

ClientSampleId :

PE-1

Tgt Ion: 43	Resp: 64
Ion Ratio	Lower Upper
43 100	
61 0.0	11.8 17.6#
70 0.0	9.0 13.6#



#38

Carbon Tetrachloride

Concen: 4.621 ug/l

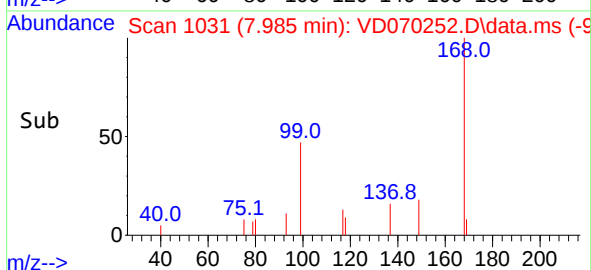
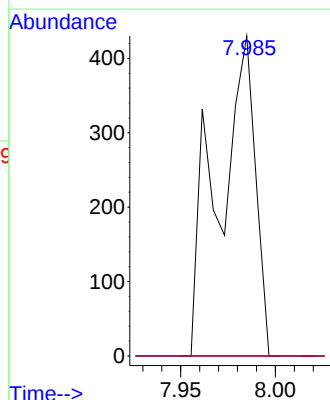
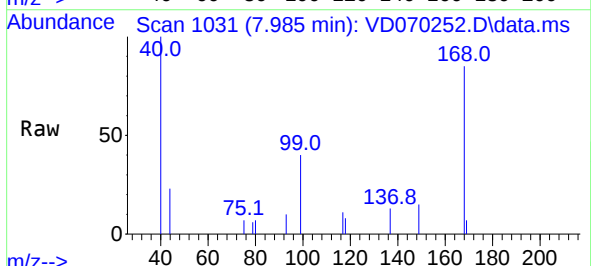
RT: 7.985 min Scan# 1031

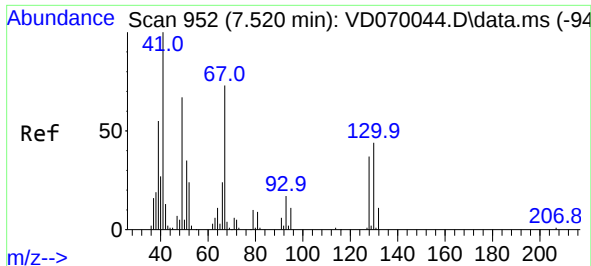
Delta R.T. -0.106 min

Lab File: VD070252.D

Acq: 25 Aug 2021 15:40

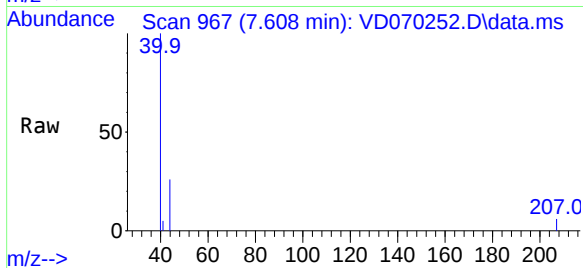
Tgt Ion: 117	Resp: 585
Ion Ratio	Lower Upper
117 100	
119 0.0	81.0 121.6#
121 0.0	25.0 37.6#



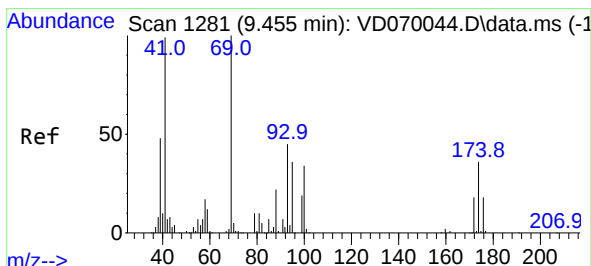
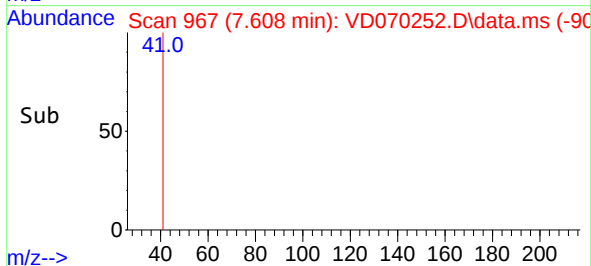
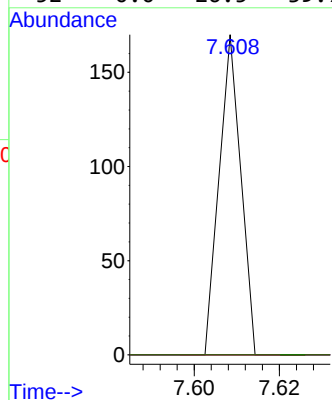


#41
Methacrylonitrile
Concen: 2.191 ug/l
RT: 7.608 min Scan# 967
Delta R.T. 0.088 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Instrument :
MSVOA_D
ClientSampled :
PE-1

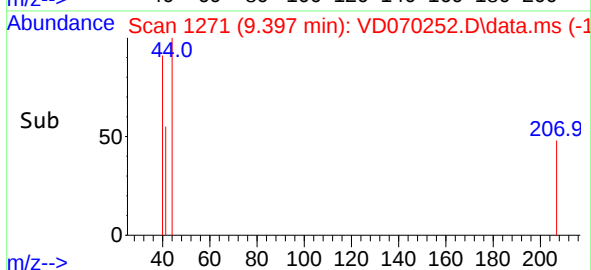
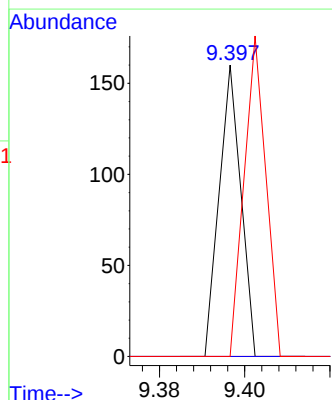
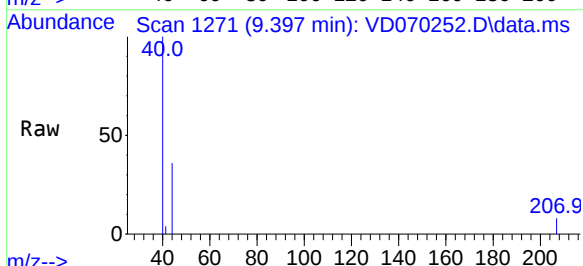


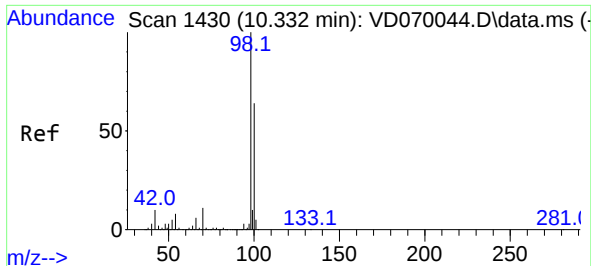
Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 47.7 71.5#
67 0.0 68.2 102.2#
52 0.0 26.5 39.7#



#48
Methyl methacrylate
Concen: 1.242 ug/l
RT: 9.397 min Scan# 1271
Delta R.T. -0.059 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 74.6 111.8#
39 110.7 35.9 53.9#

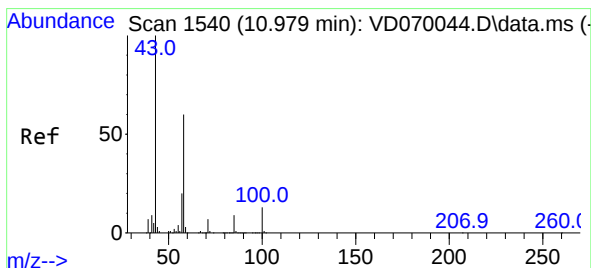
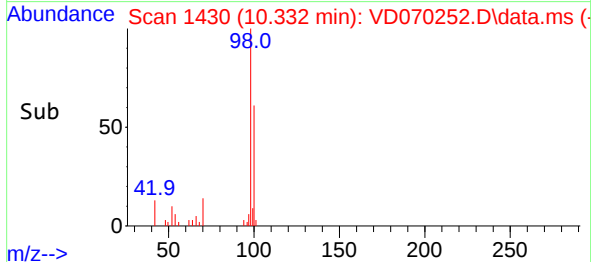
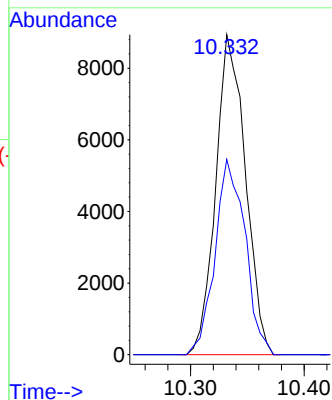
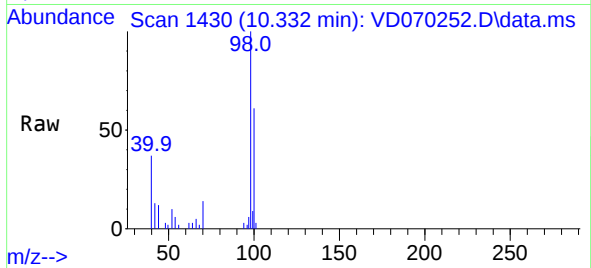




#50
Toluene-d8
Concen: 49.801 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

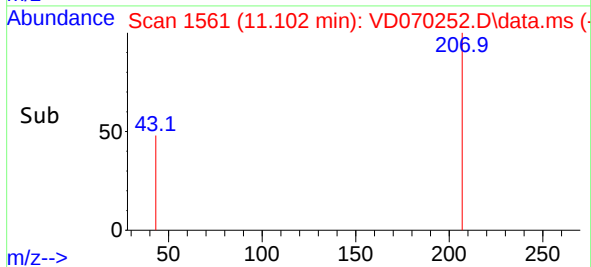
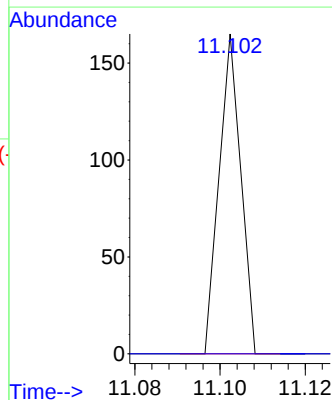
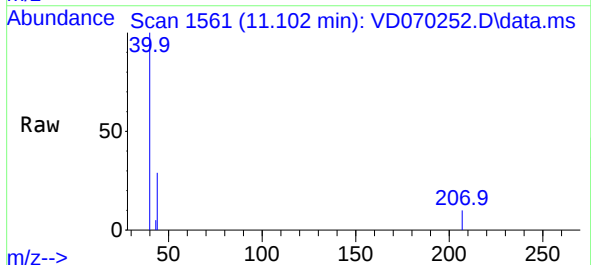
Instrument :
MSVOA_D
ClientSampleId :
PE-1

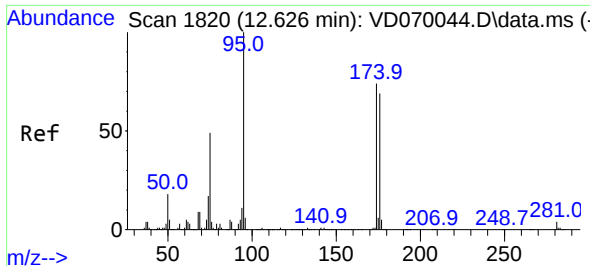
Tgt Ion: 98 Resp: 16222
Ion Ratio Lower Upper
98 100
100 61.9 52.6 78.8



#59
2-Hexanone
Concen: 1.761 ug/l
RT: 11.102 min Scan# 1561
Delta R.T. 0.123 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

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

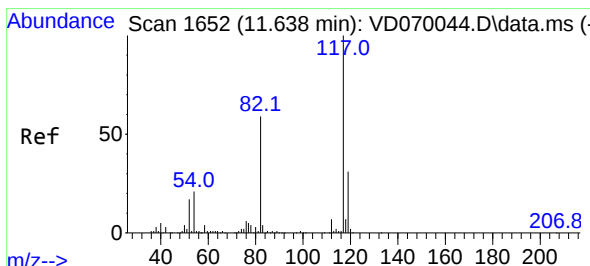
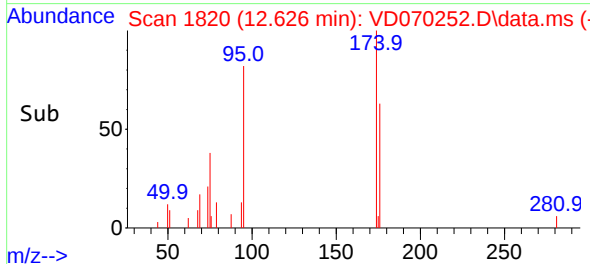
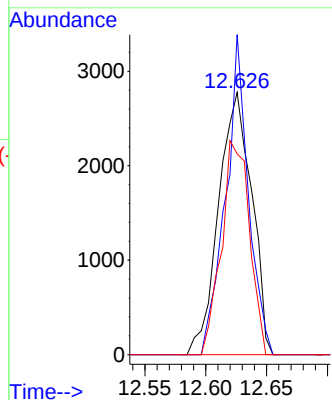
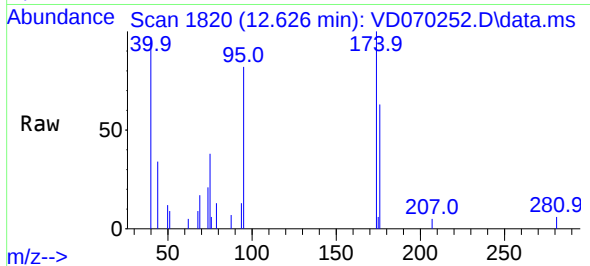




#62
4-Bromofluorobenzene
Concen: 48.970 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

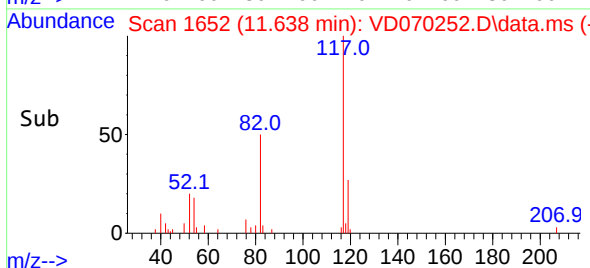
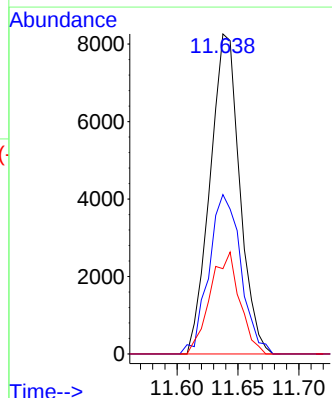
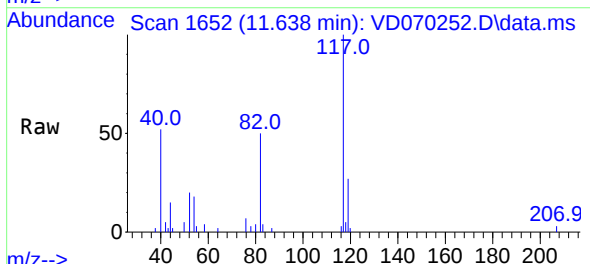
Instrument :
MSVOA_D
ClientSampled :
PE-1

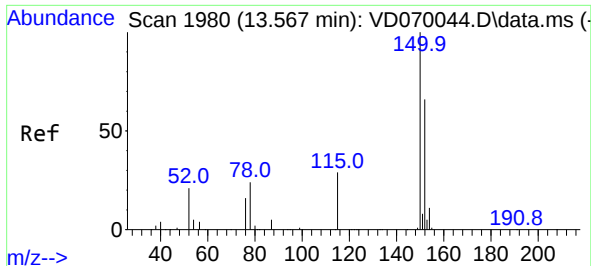
Tgt Ion:	95	Resp:	5254
Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	141.6
176	68.9	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion:	117	Resp:	13986
Ion	Ratio	Lower	Upper
117	100		
82	49.8	47.5	71.3
119	26.7	25.1	37.7

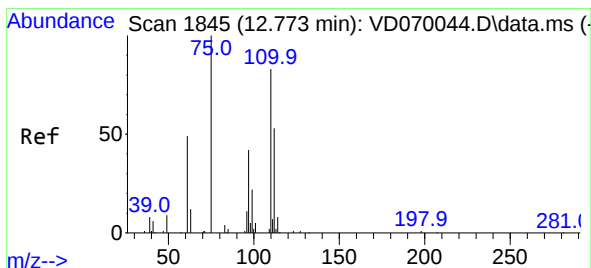
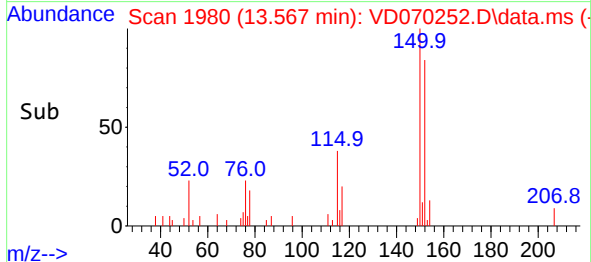
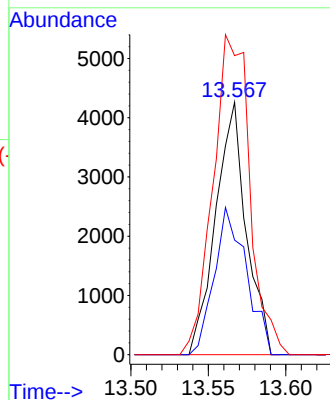
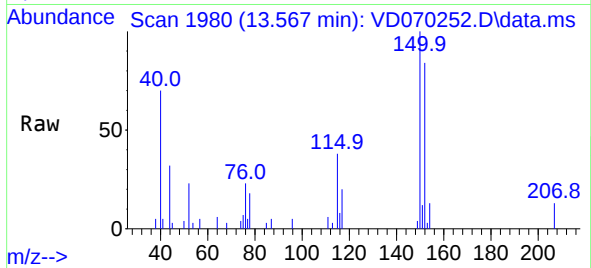




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

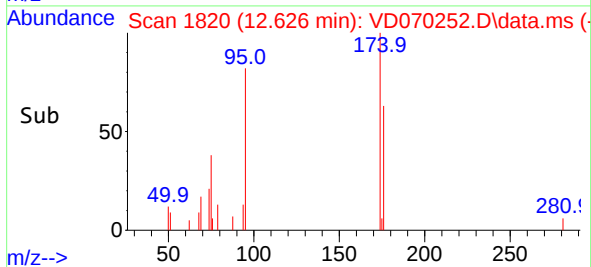
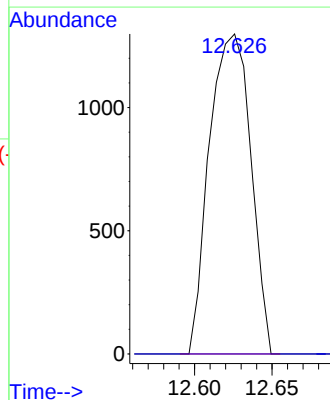
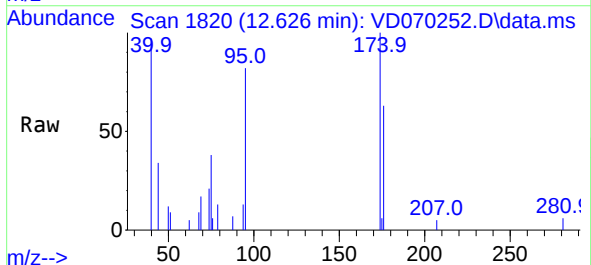
Instrument :
MSVOA_D
ClientSampleId :
PE-1

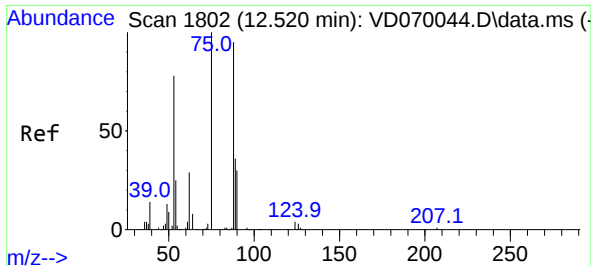
Tgt Ion:152 Resp: 5861
Ion Ratio Lower Upper
152 100
115 61.1 31.2 93.6
150 152.1 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 40.714 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 75 Resp: 2420
Ion Ratio Lower Upper
75 100
77 0.0 182.4 547.2#

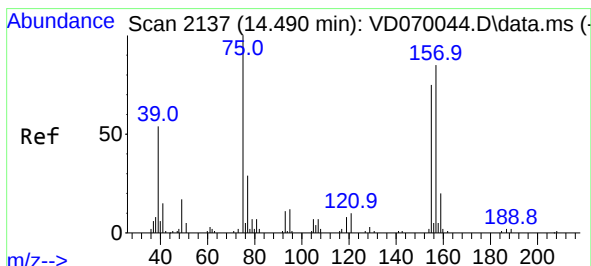
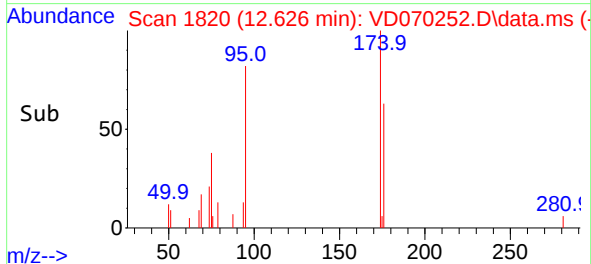
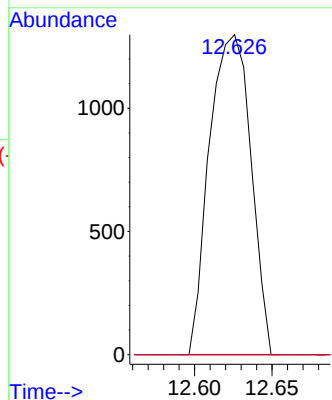
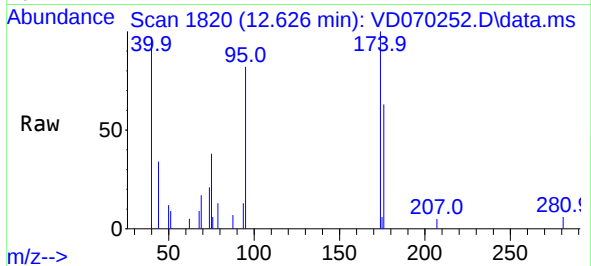




#81
trans-1,4-Dichloro-2-butene
Concen: 105.679 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Instrument :
MSVOA_D
ClientSampleId :
PE-1

Tgt Ion: 75 Resp: 2420
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: 5.181 ug/l
RT: 14.555 min Scan# 2148
Delta R.T. 0.065 min
Lab File: VD070252.D
Acq: 25 Aug 2021 15:40

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 35.3 105.9#
157 0.0 46.8 140.3#

