

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082621\
 Data File : VD070270.D
 Acq On : 26 Aug 2021 14:49
 Operator : VA/SY
 Sample : M3524-03RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-3RE

Quant Time: Aug 27 01:23:45 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)

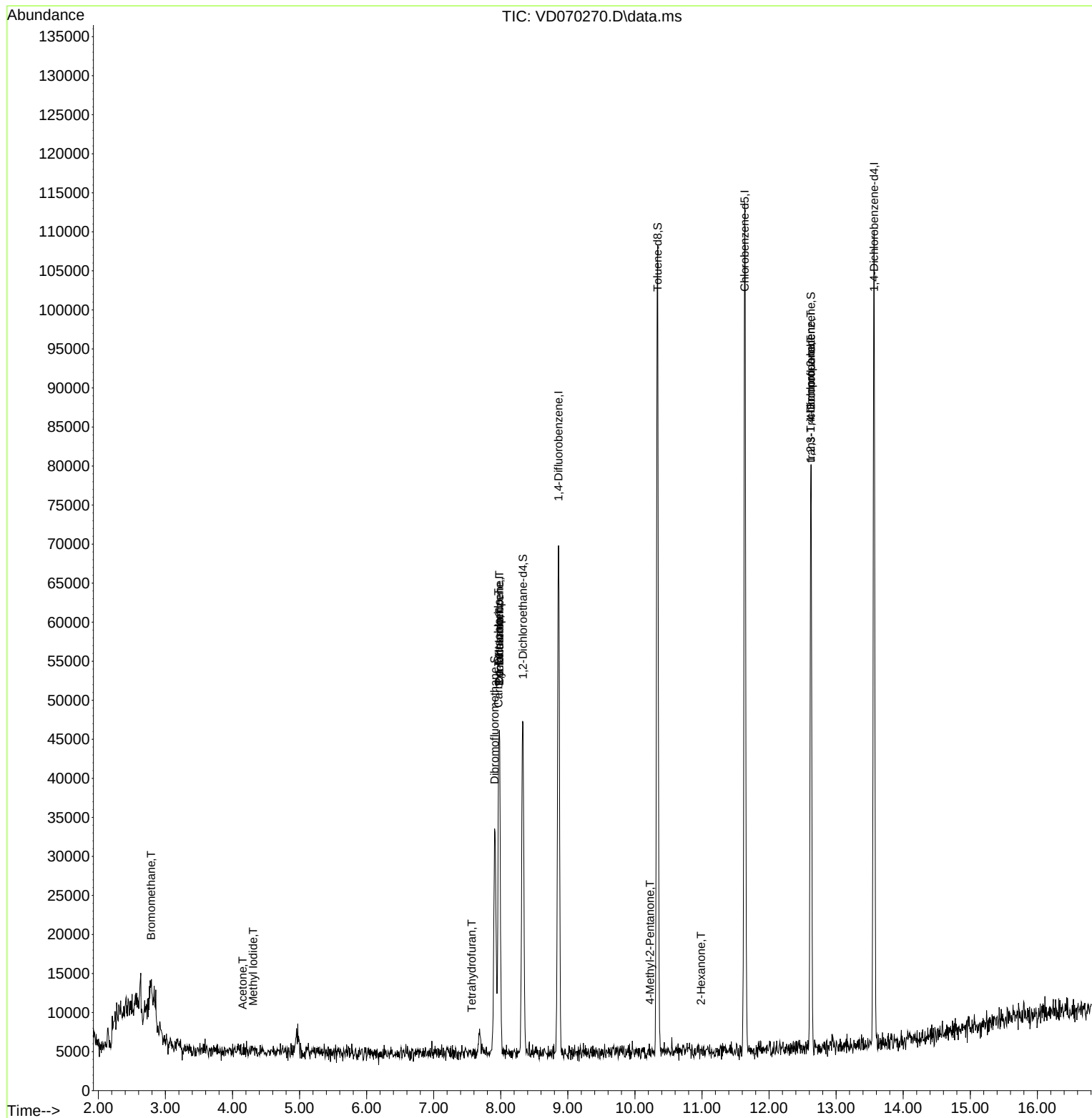
Internal Standards						
1) Pentafluorobenzene	7.979	168	32053	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	56823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	65170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	29392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	34439	91.352	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 182.700%#	
35) Dibromofluoromethane	7.908	113	21076	57.410	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.820%	
50) Toluene-d8	10.338	98	75678	53.001	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.000%	
62) 4-Bromofluorobenzene	12.626	95	25003	53.164	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	726	Below Cal		97
5) Bromomethane	2.785	94	1852	2.126	ug/l	96
10) Methyl Iodide	4.309	142	994	2.623	ug/l #	53
16) Acetone	4.150	43	272	3.917	ug/l #	41
20) Methylene Chloride	4.967	84	2260	Below Cal	#	55
29) Tetrahydrofuran	7.567	42	94	1.513	ug/l #	32
31) Cyclohexane	7.979	56	1063	1.425	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	3300	5.398	ug/l #	42
38) Carbon Tetrachloride	7.967	117	3549	6.395	ug/l #	10
51) 4-Methyl-2-Pentanone	10.226	43	309	1.434	ug/l #	62
59) 2-Hexanone	10.985	43	189	1.309	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	12762	42.815	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	12762	111.131	ug/l #	17

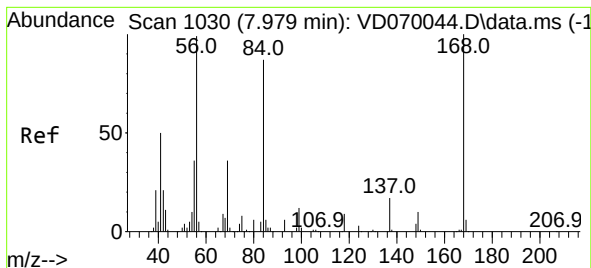
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070270.D

Acq: 26 Aug 2021 14:49

Tgt Ion:168 Resp: 32053

Ion Ratio Lower Upper

168 100

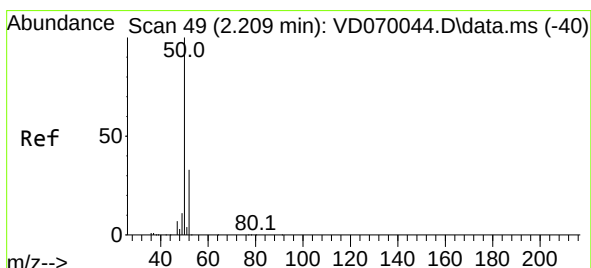
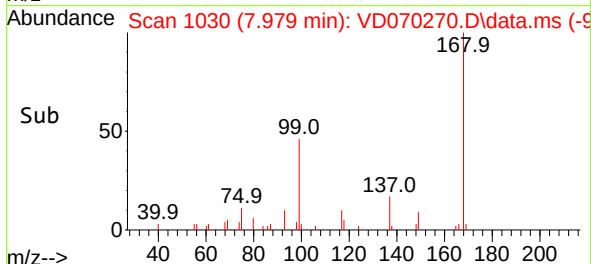
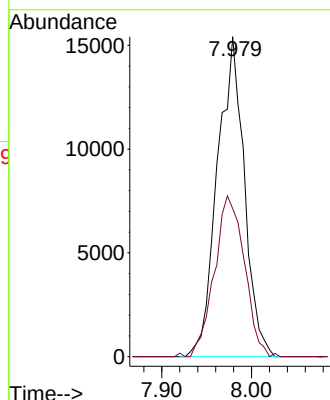
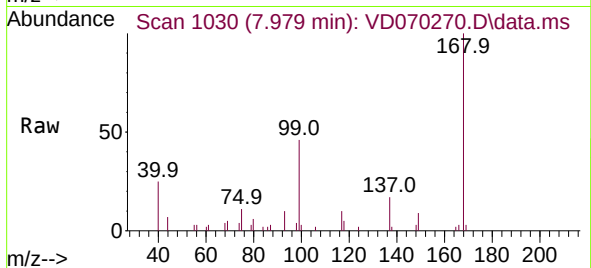
99 46.3 50.3 75.5#

Instrument :

MSVOA_D

ClientSampleId :

PE-3RE



#3

Chloromethane

Concen: Below Cal

RT: 2.203 min Scan# 48

Delta R.T. -0.006 min

Lab File: VD070270.D

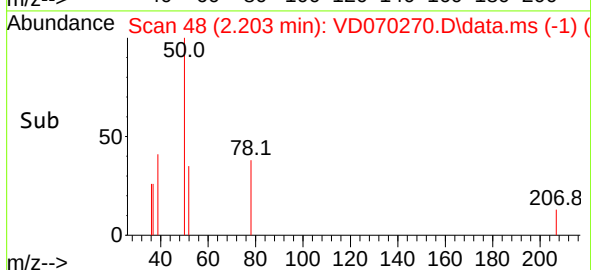
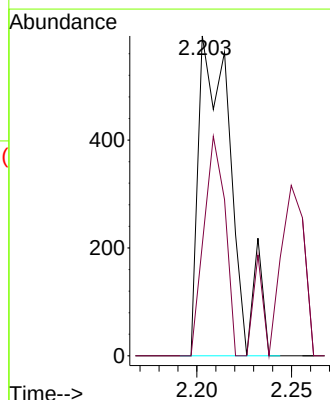
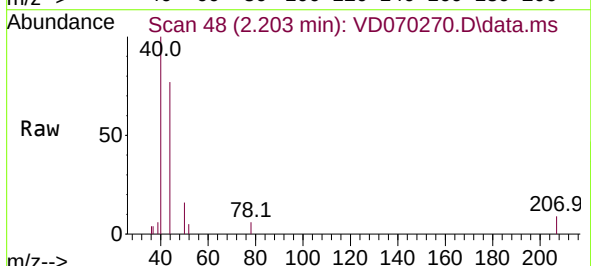
Acq: 26 Aug 2021 14:49

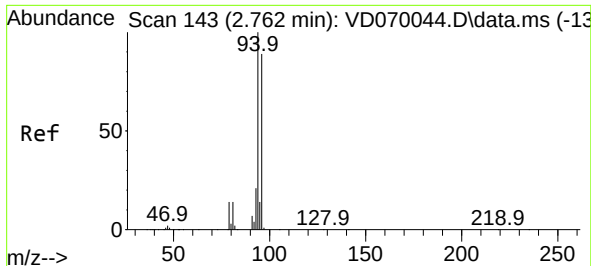
Tgt Ion: 50 Resp: 726

Ion Ratio Lower Upper

50 100

52 34.7 26.3 39.5

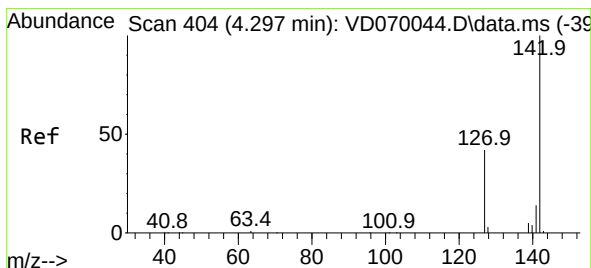
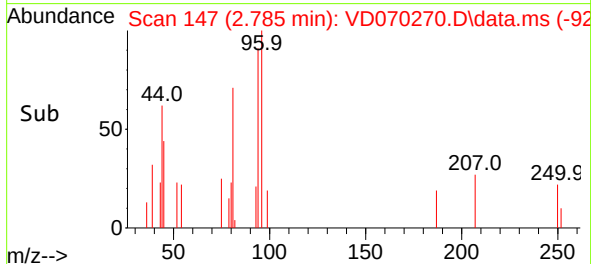
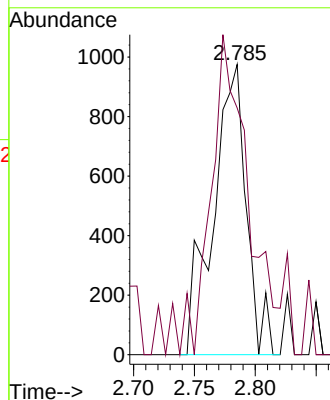
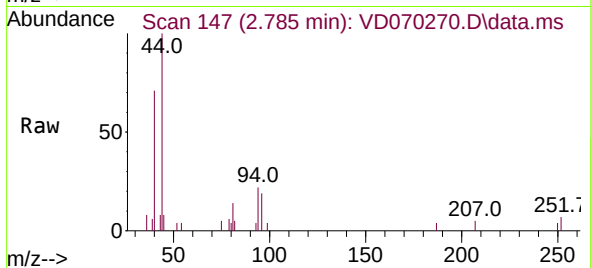




#5
Bromomethane
Concen: 2.126 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

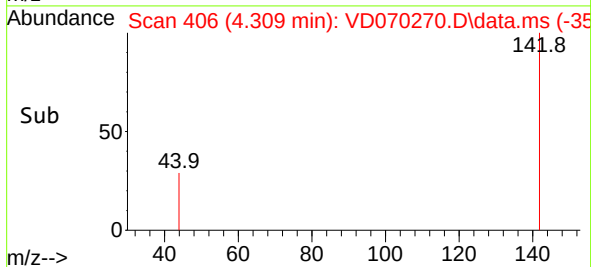
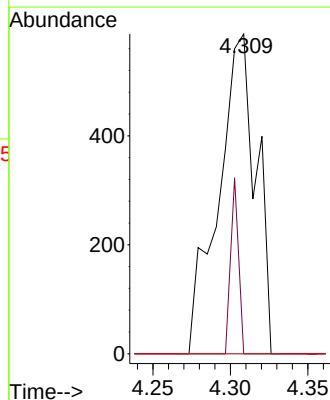
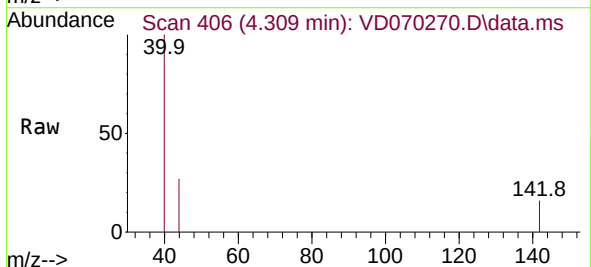
Instrument :
MSVOA_D
ClientSampleId :
PE-3RE

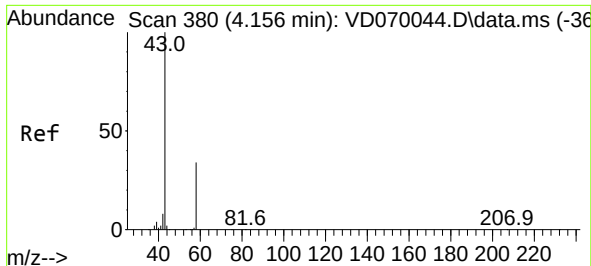
Tgt Ion: 94 Resp: 1852
Ion Ratio Lower Upper
94 100
96 85.0 70.9 106.3



#10
Methyl Iodide
Concen: 2.623 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion: 142 Resp: 994
Ion Ratio Lower Upper
142 100
127 11.5 35.4 53.0#
141 0.0 12.1 18.1#

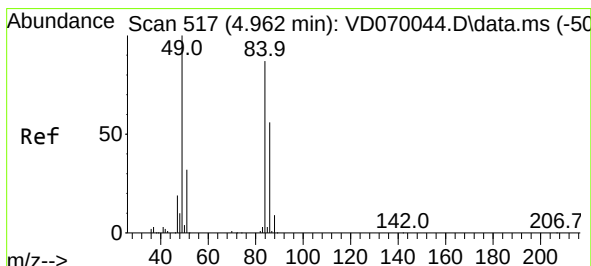
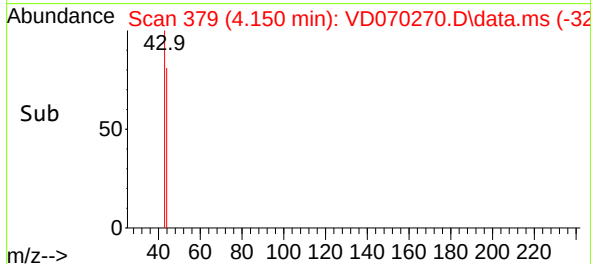
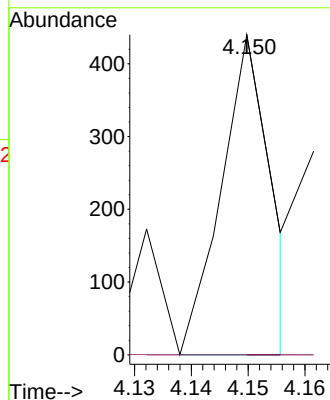
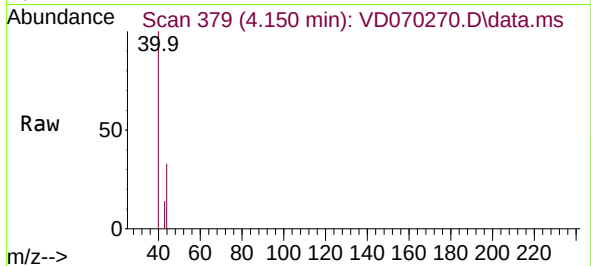




#16
Acetone
Concen: 3.917 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

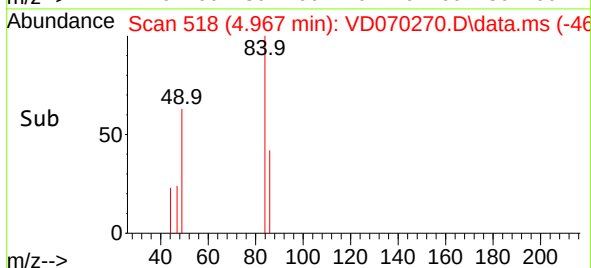
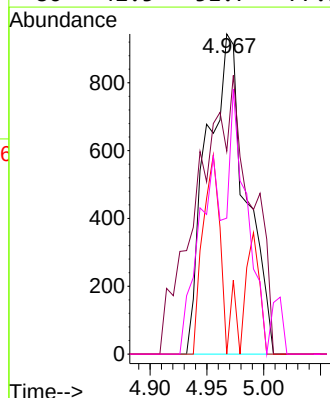
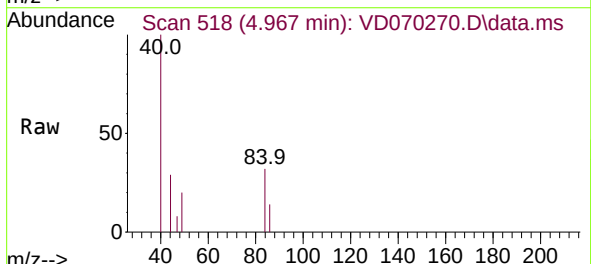
Instrument :
MSVOA_D
ClientSampleId :
PE-3RE

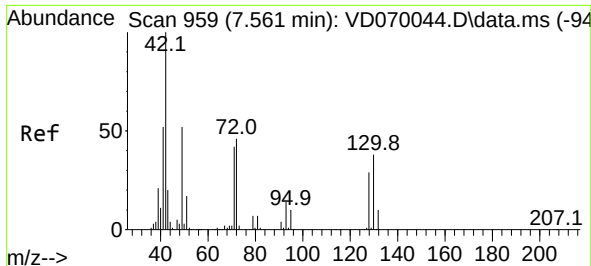
Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion: 84 Resp: 2260
Ion Ratio Lower Upper
84 100
49 63.3 92.5 138.7#
51 0.0 29.7 44.5#
86 42.5 51.7 77.5#





#29

Tetrahydrofuran

Concen: 1.513 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

Lab File: VD070270.D

Acq: 26 Aug 2021 14:49

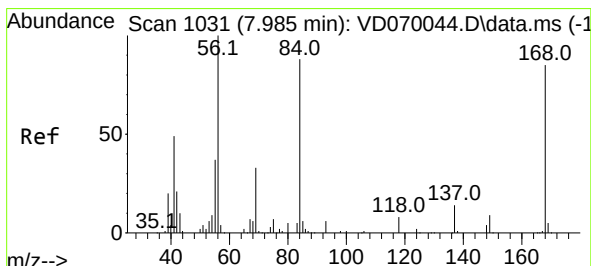
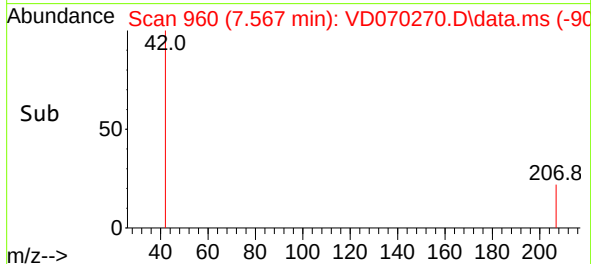
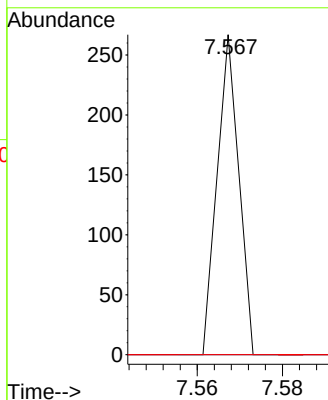
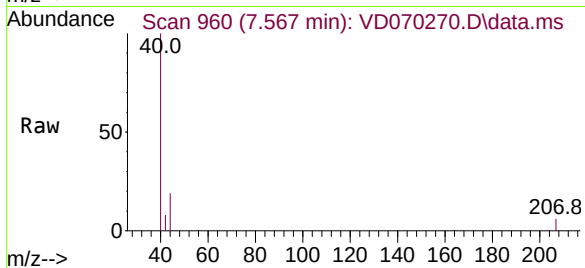
Instrument :

MSVOA_D

ClientSampleId :

PE-3RE

Tgt Ion: 42	Resp: 94
Ion Ratio	Lower Upper
42 100	
72 0.0	37.5 56.3#
71 0.0	33.6 50.4#



#31

Cyclohexane

Concen: 1.425 ug/l

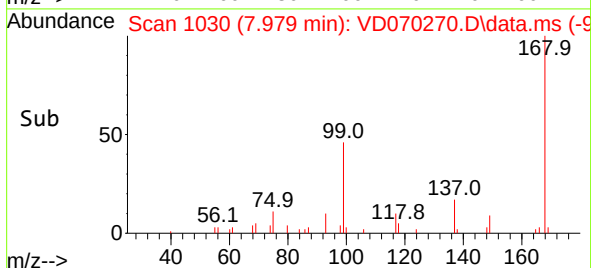
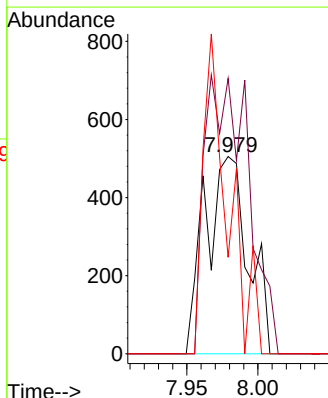
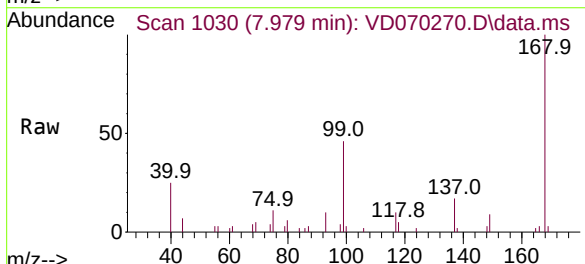
RT: 7.979 min Scan# 1030

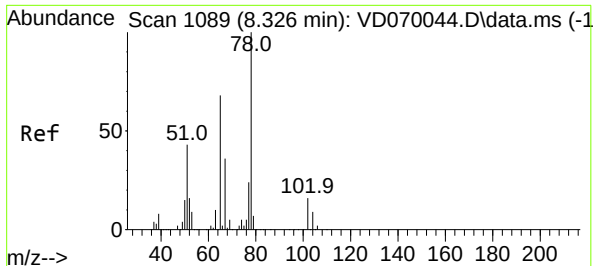
Delta R.T. -0.006 min

Lab File: VD070270.D

Acq: 26 Aug 2021 14:49

Tgt Ion: 56	Resp: 1063
Ion Ratio	Lower Upper
56 100	
69 139.6	26.7 40.1#
84 48.9	70.4 105.6#



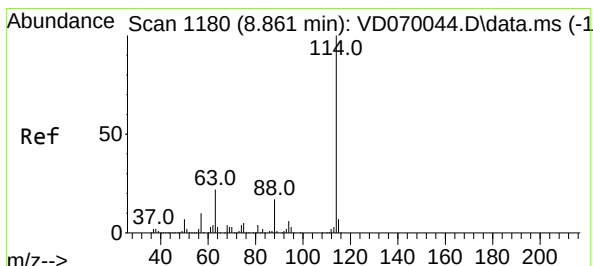
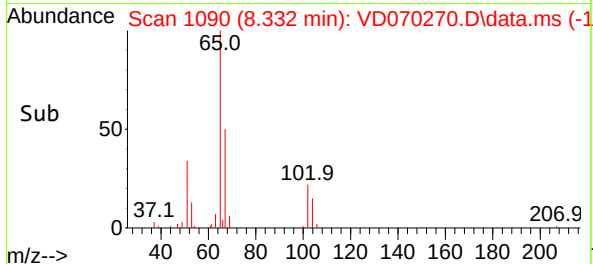
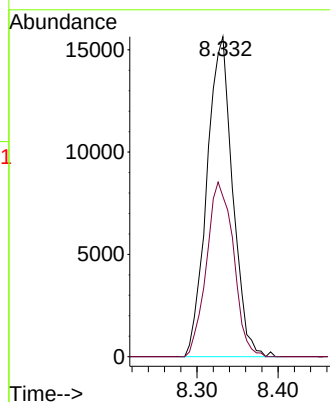
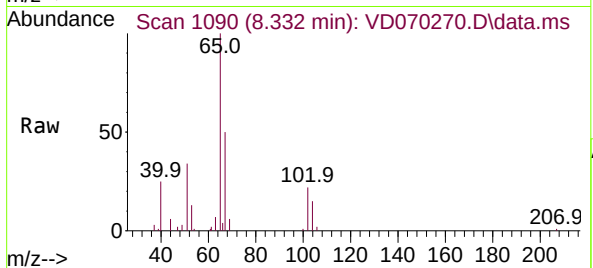


#33

1,2-Dichloroethane-d4
Concen: 91.352 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Instrument :
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ClientSampleId :
PE-3RE

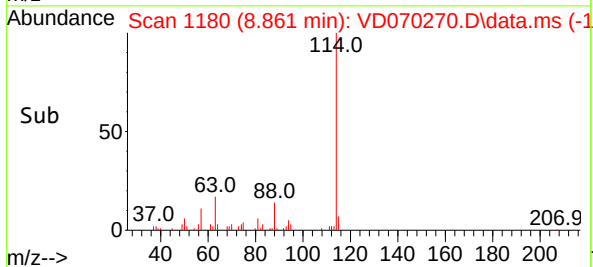
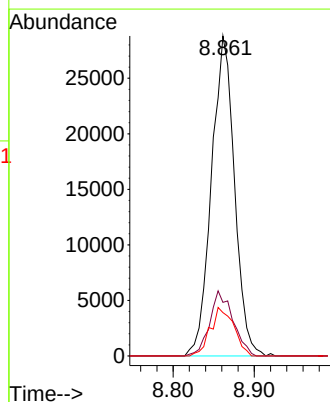
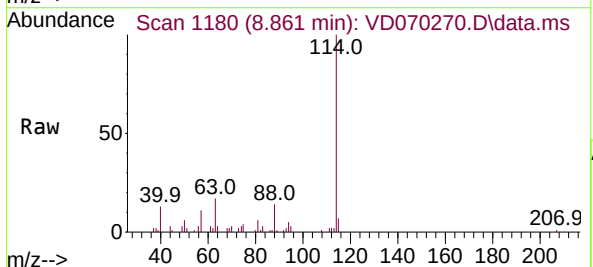
Tgt Ion: 65 Resp: 34439
Ion Ratio Lower Upper
65 100
67 57.2 0.0 107.8

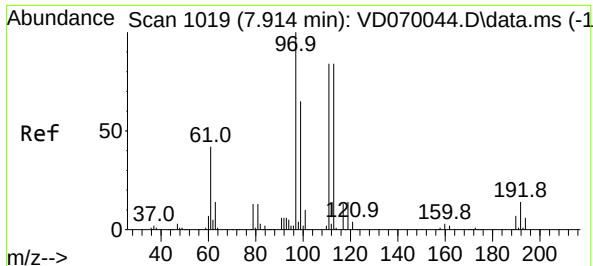


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion: 114 Resp: 56823
Ion Ratio Lower Upper
114 100
63 16.7 0.0 43.6
88 13.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 57.410 ug/l

RT: 7.908 min Scan# 1018

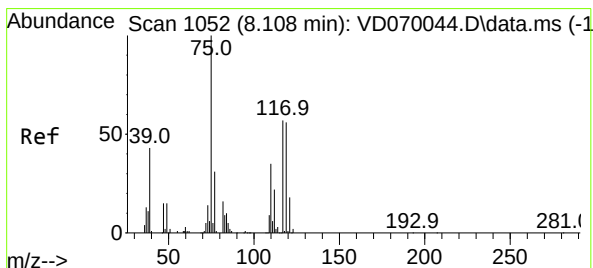
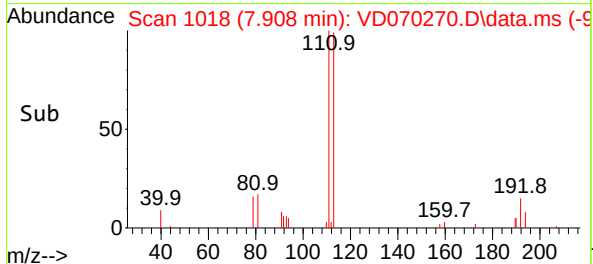
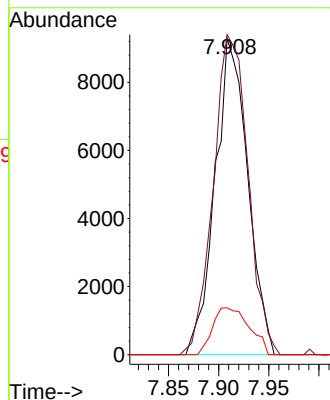
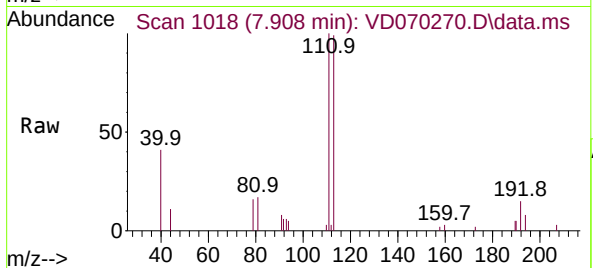
Delta R.T. -0.006 min

Lab File: VD070270.D

Acq: 26 Aug 2021 14:49

Tgt Ion:	113	Resp:	21076
Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.8	122.6
192	16.6	13.2	19.8

Instrument :
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ClientSampleId :
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#36

1,1-Dichloropropene

Concen: 5.398 ug/l

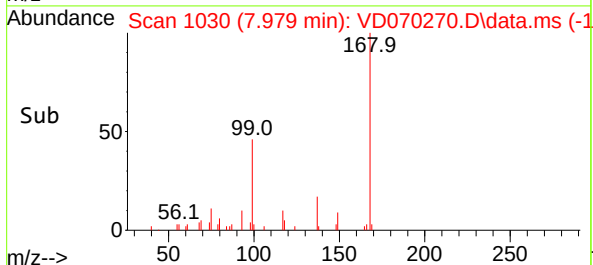
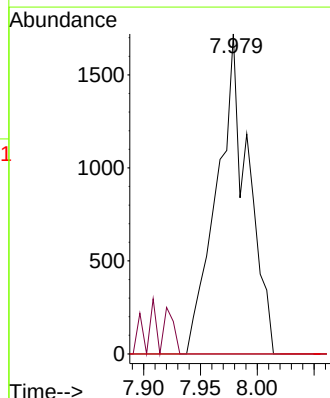
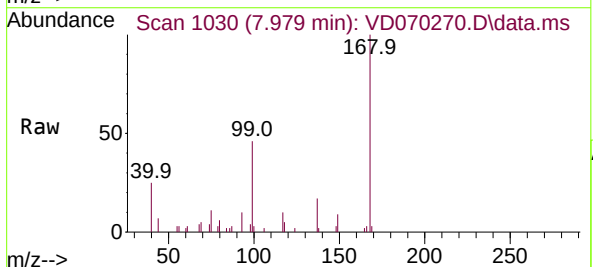
RT: 7.979 min Scan# 1030

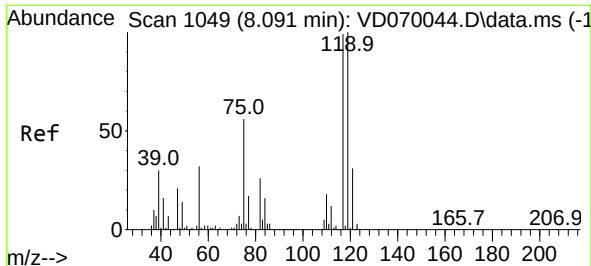
Delta R.T. -0.129 min

Lab File: VD070270.D

Acq: 26 Aug 2021 14:49

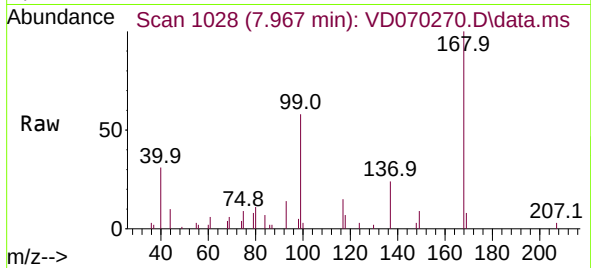
Tgt Ion:	75	Resp:	3300
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.9	50.7#
77	0.0	25.2	37.8#



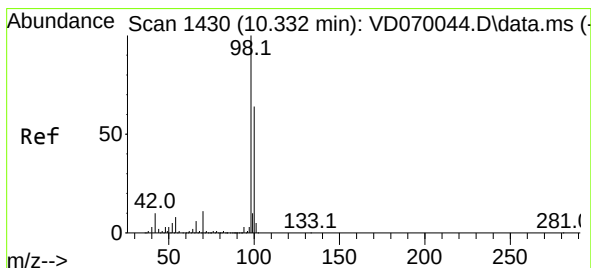
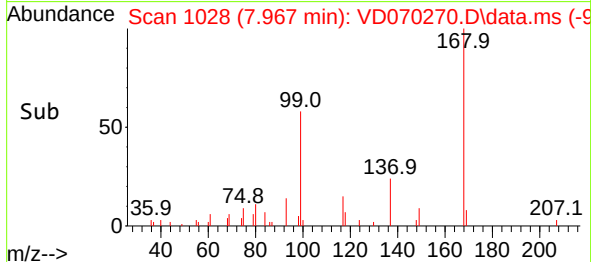
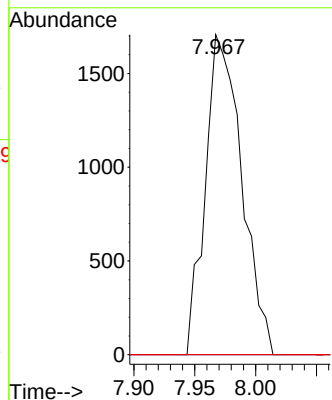


#38
Carbon Tetrachloride
Concen: 6.395 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Instrument :
MSVOA_D
ClientSampleId :
PE-3RE

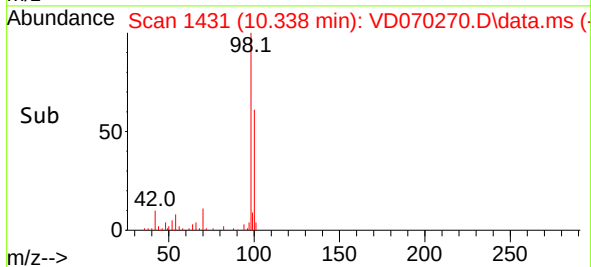
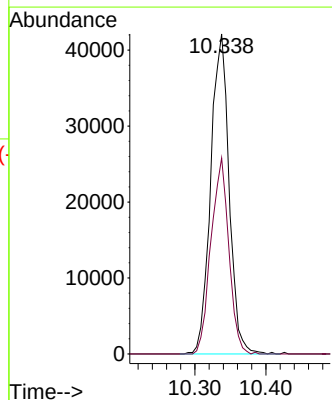
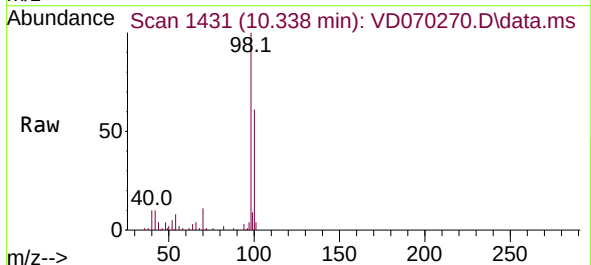


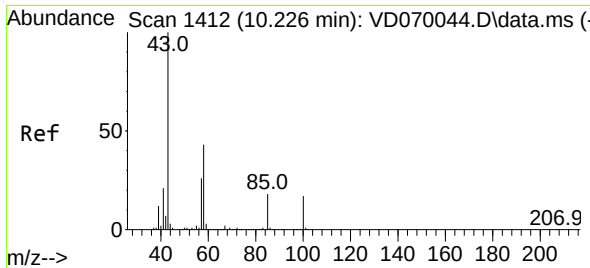
Tgt Ion:117 Resp: 3549
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.001 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion: 98 Resp: 75678
Ion Ratio Lower Upper
98 100
100 59.4 52.6 78.8

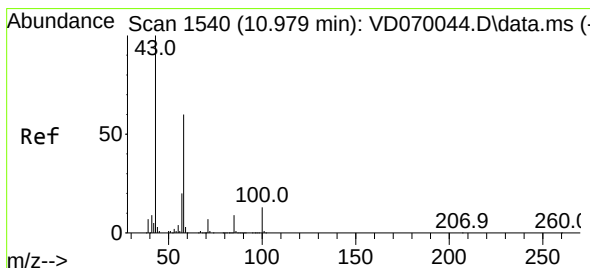
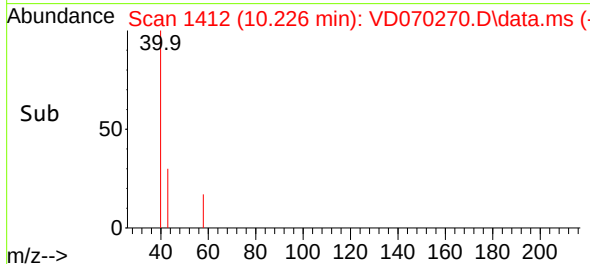
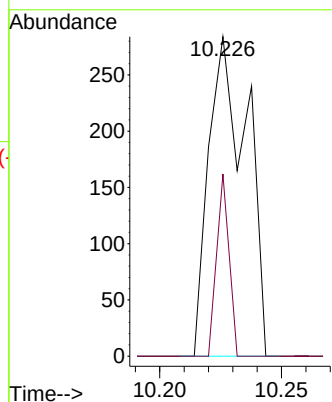
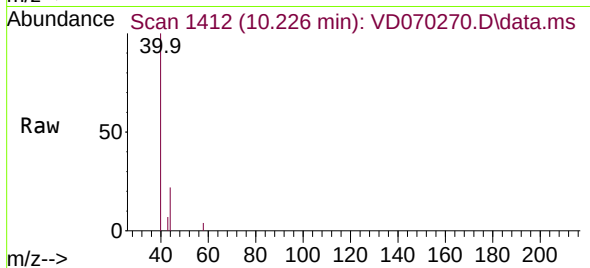




#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

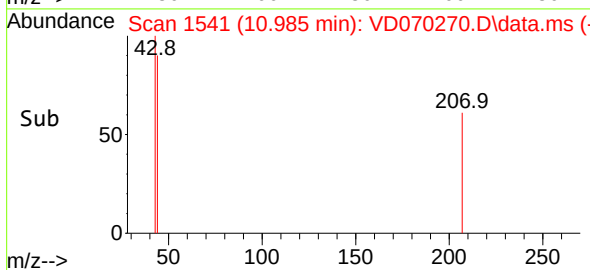
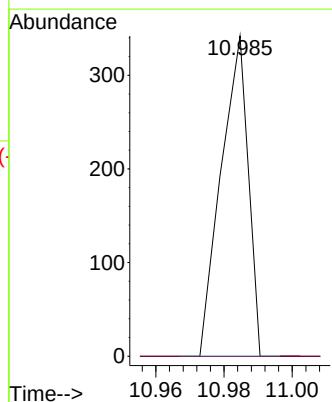
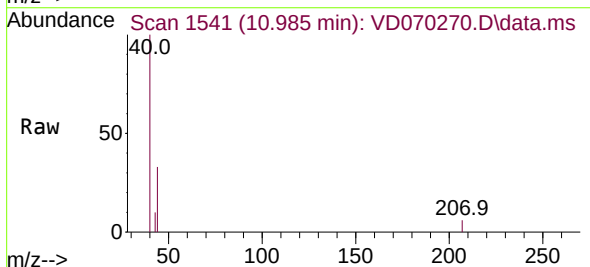
Instrument :
MSVOA_D
ClientSampled :
PE-3RE

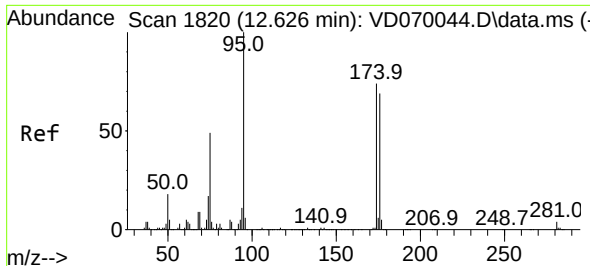
Tgt Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 18.4 33.9 50.9#



#59
2-Hexanone
Concen: 1.309 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

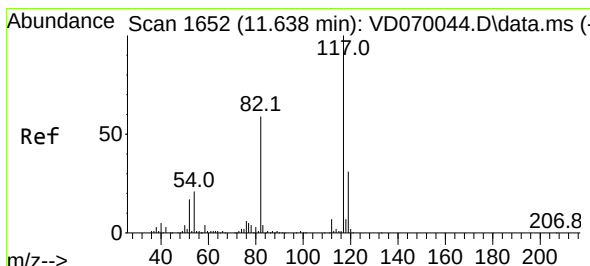
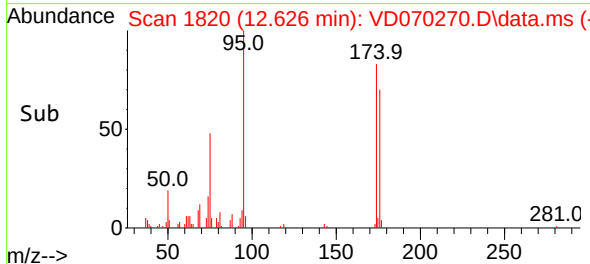
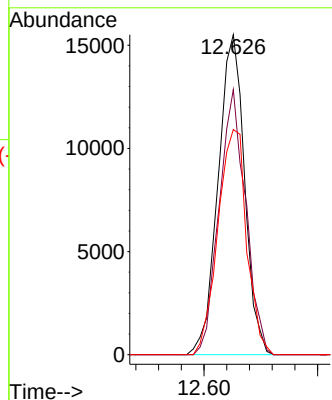
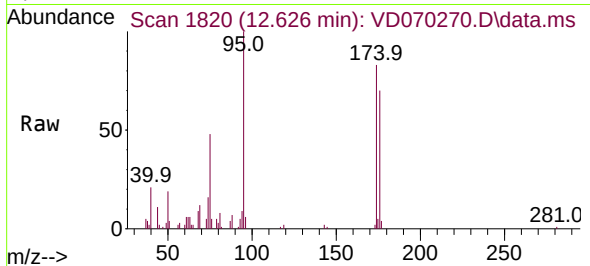




#62
4-Bromofluorobenzene
Concen: 53.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

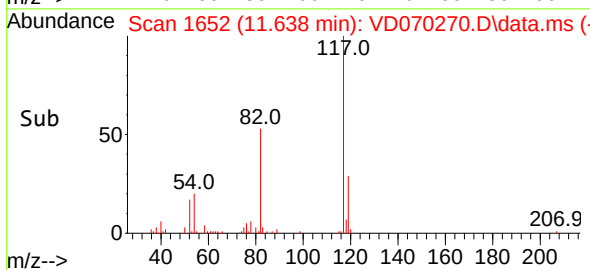
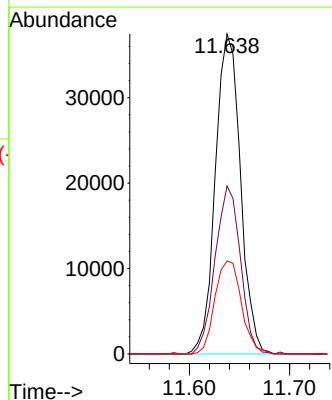
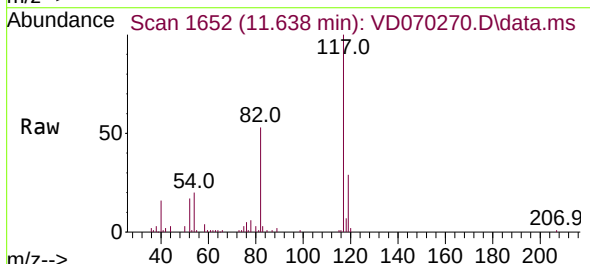
Instrument :
MSVOA_D
ClientSampleId :
PE-3RE

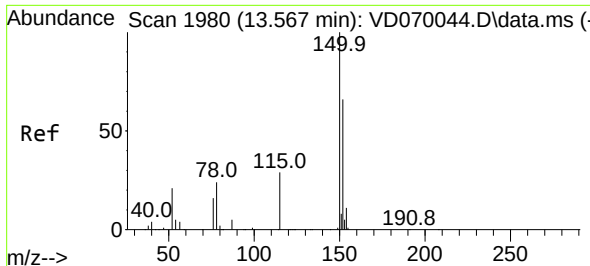
Tgt Ion:	95	Resp:	25003
Ion Ratio	Lower	Upper	
95	100		
174	83.5	0.0	141.6
176	76.8	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070270.D
Acq: 26 Aug 2021 14:49

Tgt Ion:	117	Resp:	65170
Ion Ratio	Lower	Upper	
117	100		
82	52.5	47.5	71.3
119	29.1	25.1	37.7

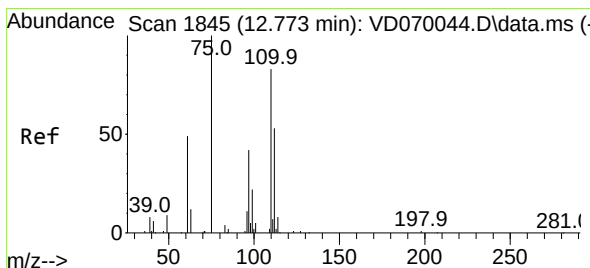
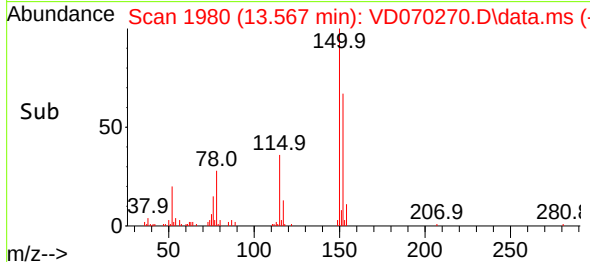
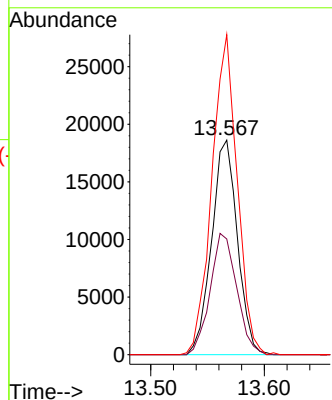
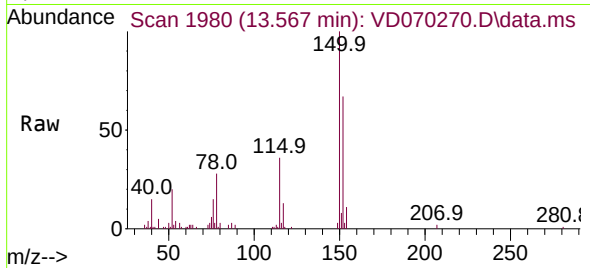




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070270.D
 Acq: 26 Aug 2021 14:49

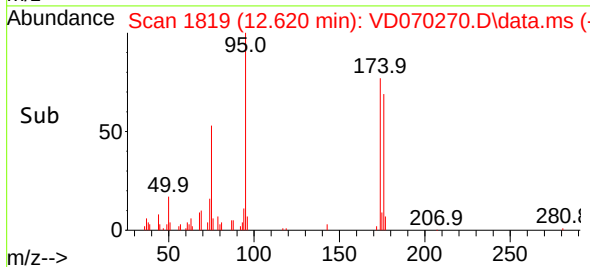
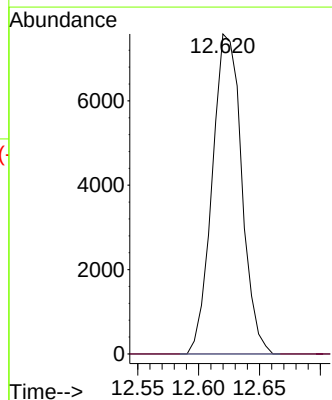
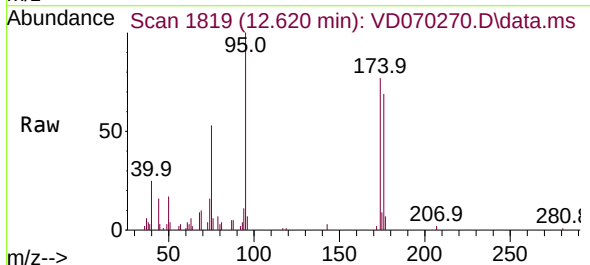
Instrument :
 MSVOA_D
 ClientSampleId :
 PE-3RE

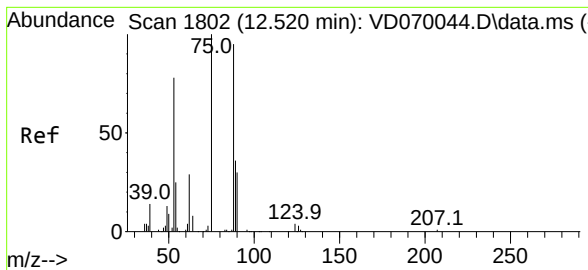
Tgt Ion:152 Resp: 29392
 Ion Ratio Lower Upper
 152 100
 115 58.2 31.2 93.6
 150 146.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 42.815 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070270.D
 Acq: 26 Aug 2021 14:49

Tgt Ion: 75 Resp: 12762
 Ion Ratio Lower Upper
 75 100
 77 0.0 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.131 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070270.D
 Acq: 26 Aug 2021 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-3RE

Tgt Ion: 75 Resp: 12762
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 33.7 50.5#

