

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070664.D
 Acq On : 11 Oct 2021 17:06
 Operator : VA/SY
 Sample : M4163-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-100821

Quant Time: Oct 12 05:42:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

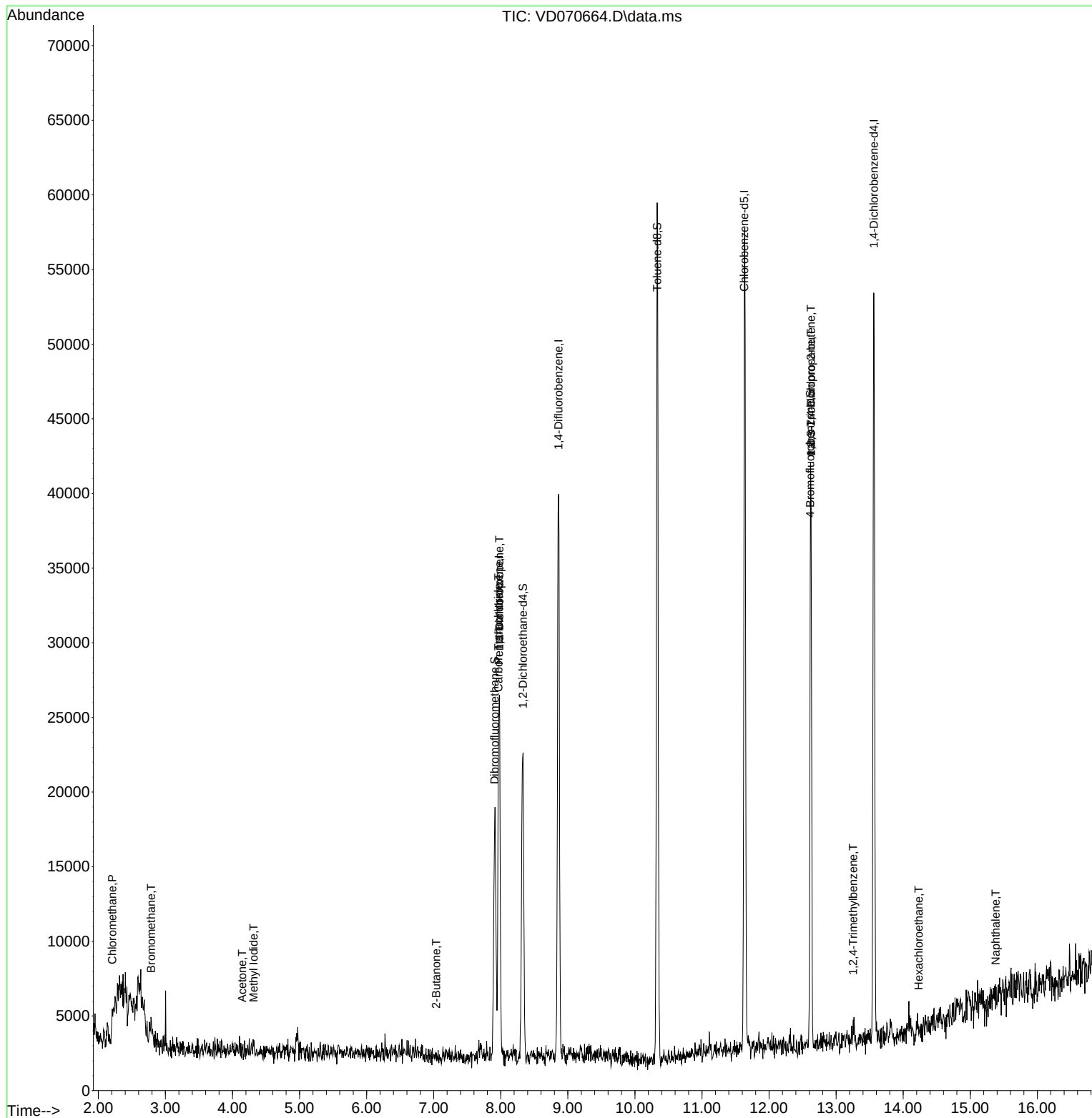
Internal Standards						
1) Pentafluorobenzene	7.973	168	18825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	33349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	35522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	14398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	17290	78.043	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.080%			
35) Dibromofluoromethane	7.908	113	11905	53.693	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.380%			
50) Toluene-d8	10.332	98	42348	49.961	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.614	95	14726	51.981	ug/l	-0.01
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.960%			
Target Compounds			Qvalue			
3) Chloromethane	2.209	50	558	1.957	ug/l #	51
5) Bromomethane	2.785	94	1361	3.790	ug/l #	61
10) Methyl Iodide	4.314	142	288	1.851	ug/l #	79
16) Acetone	4.144	43	194	5.157	ug/l #	40
20) Methylene Chloride	4.973	84	1002	Below Cal	#	32
25) 2-Butanone	7.038	43	56	1.137	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	1516	4.280	ug/l #	46
38) Carbon Tetrachloride	7.967	117	2095	5.652	ug/l #	12
76) 1,2,3-Trichloropropane	12.626	75	6435	49.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	6435	109.631	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.255	105	1066	1.197	ug/l	99
90) Hexachloroethane	14.232	117	461	2.276	ug/l #	18
95) Naphthalene	15.379	128	463	3.453	ug/l #	69

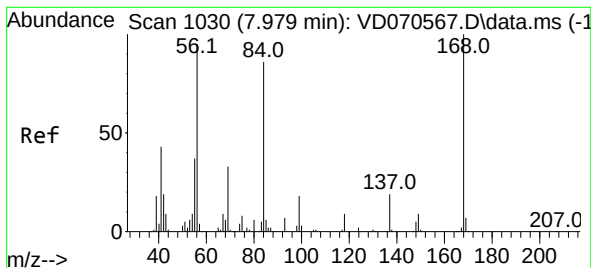
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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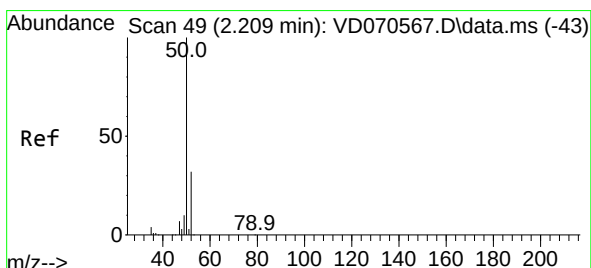
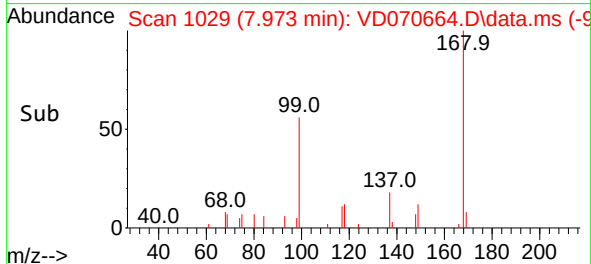
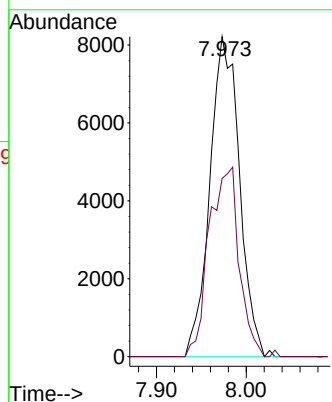
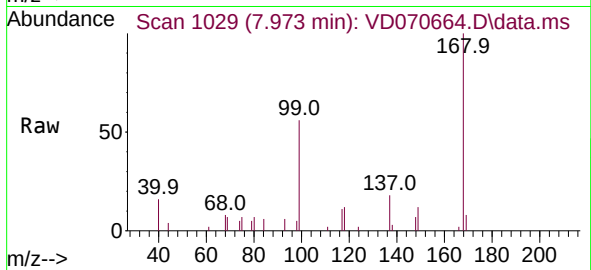


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

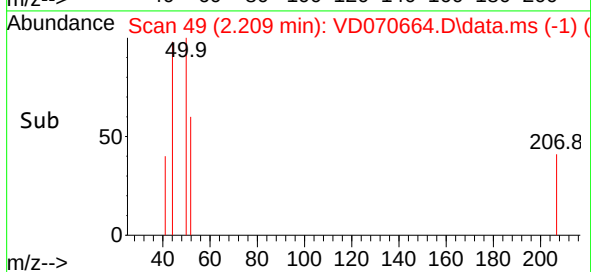
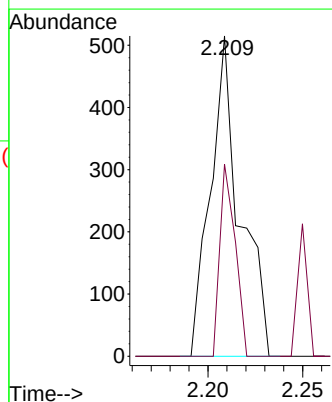
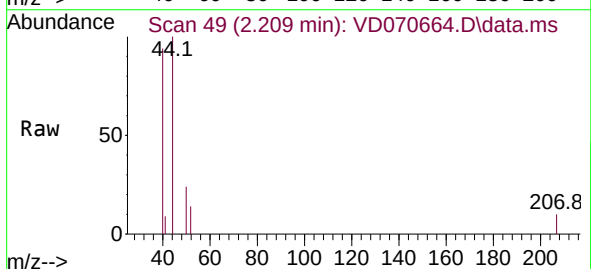
Tgt Ion:168 Resp: 18825
Ion Ratio Lower Upper
168 100
99 55.7 51.4 77.0

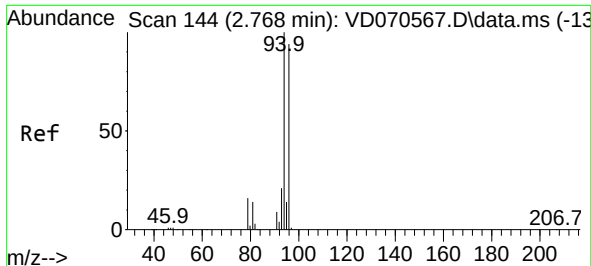


#3

Chloromethane
Concen: 1.957 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 60.0 26.0 39.0#

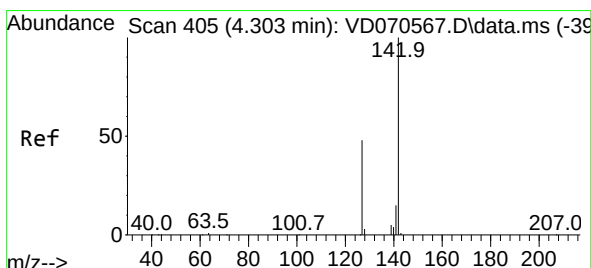
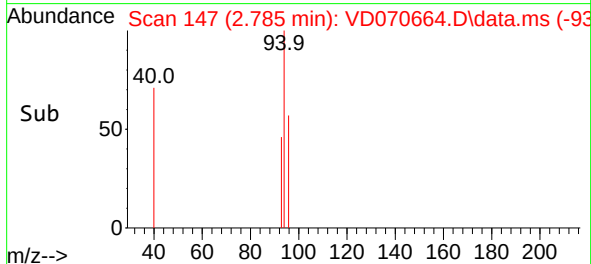
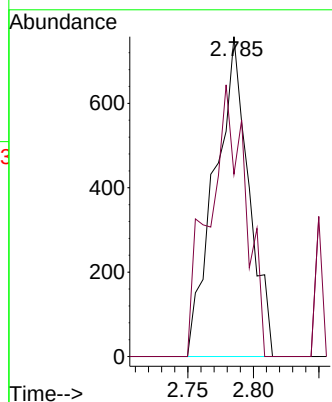
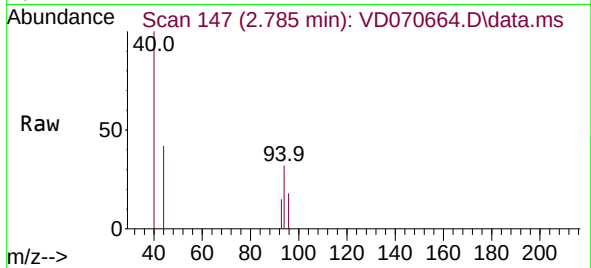




#5
Bromomethane
Concen: 3.790 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

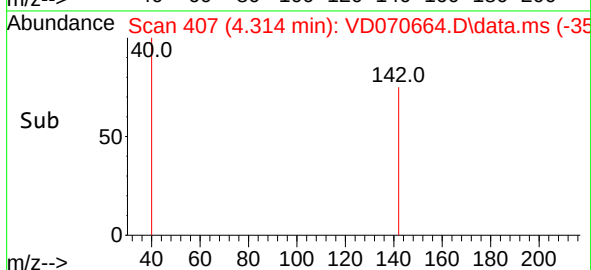
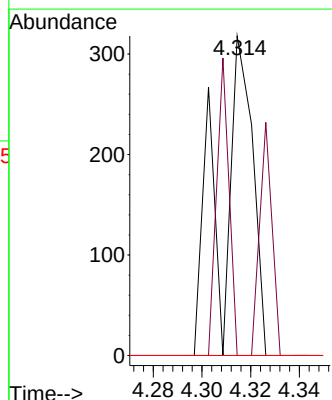
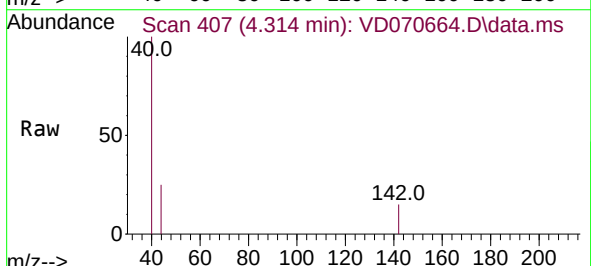
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

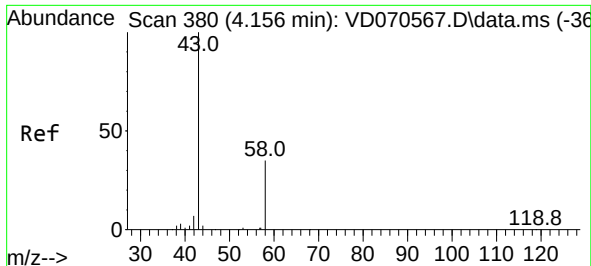
Tgt Ion: 94 Resp: 1361
Ion Ratio Lower Upper
94 100
96 57.0 75.5 113.3#



#10
Methyl Iodide
Concen: 1.851 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
127 36.1 37.5 56.3#
141 0.0 12.1 18.1#

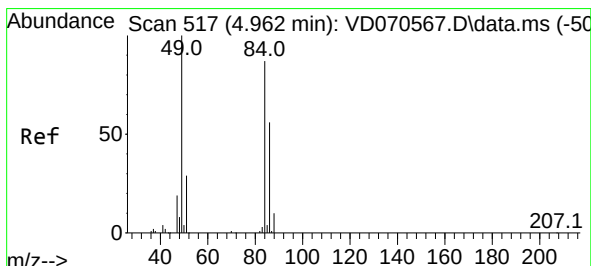
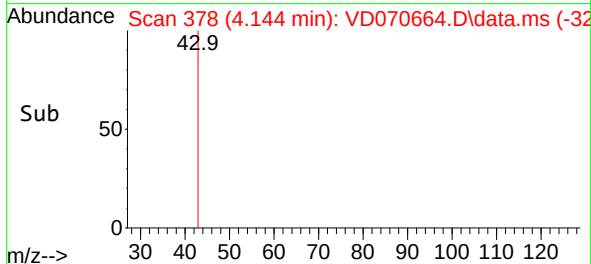
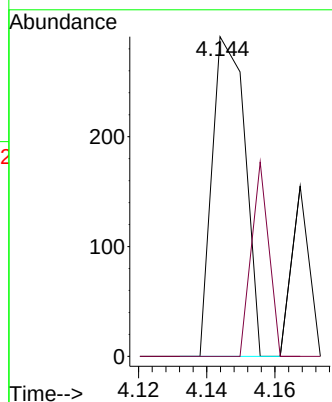
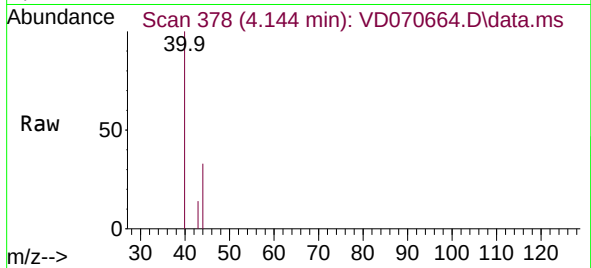




#16
Acetone
Concen: 5.157 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

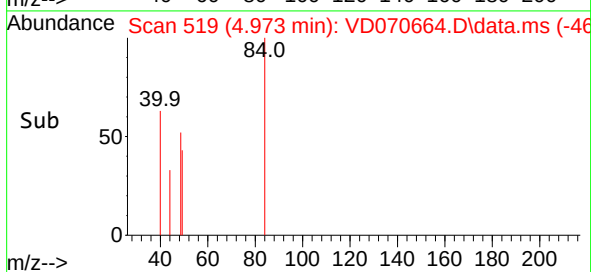
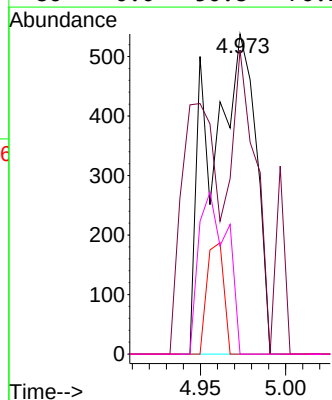
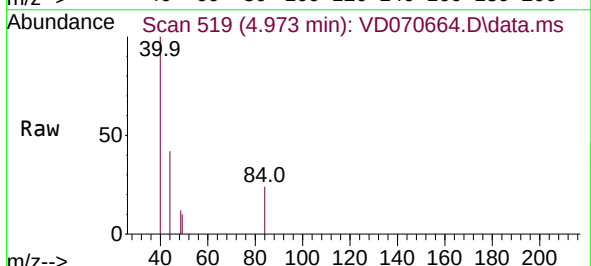
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

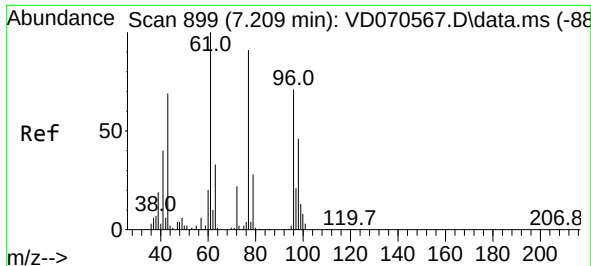
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

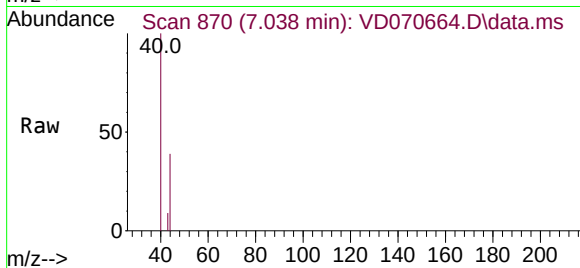
Tgt Ion: 84 Resp: 1002
Ion Ratio Lower Upper
84 100
49 46.5 91.4 137.2#
51 0.0 26.7 40.1#
86 0.0 50.8 76.2#



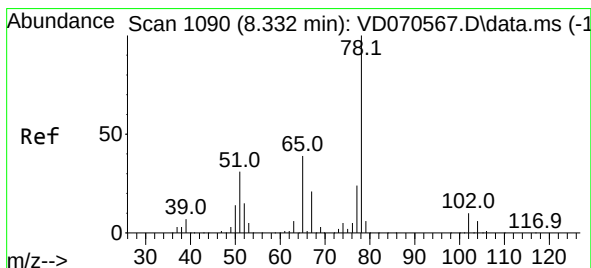
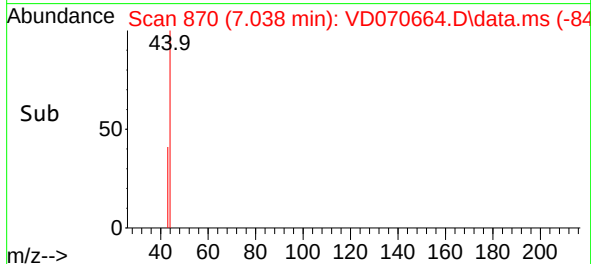
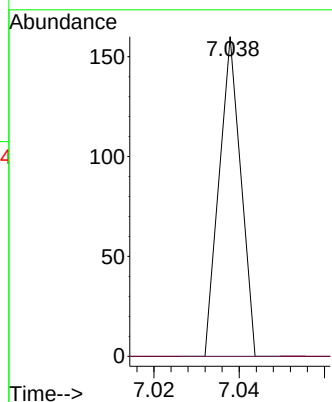


#25
2-Butanone
Concen: 1.137 ug/l
RT: 7.038 min Scan# 870
Delta R.T. -0.171 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

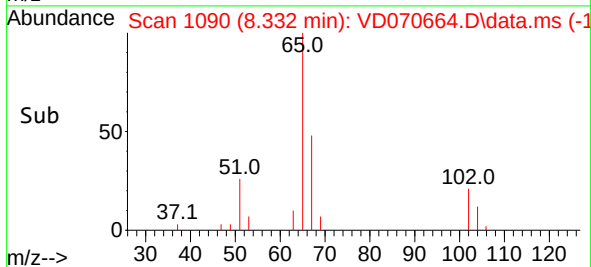
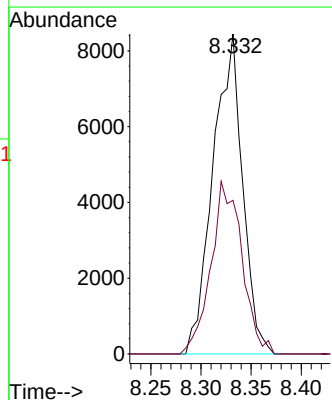
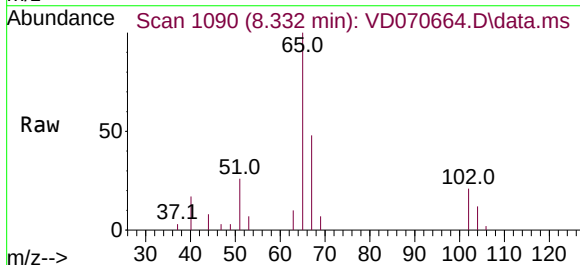


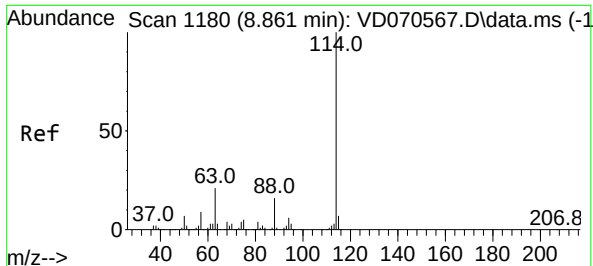
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#33
1,2-Dichloroethane-d4
Concen: 78.043 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion: 65 Resp: 17290
Ion Ratio Lower Upper
65 100
67 56.6 0.0 110.2



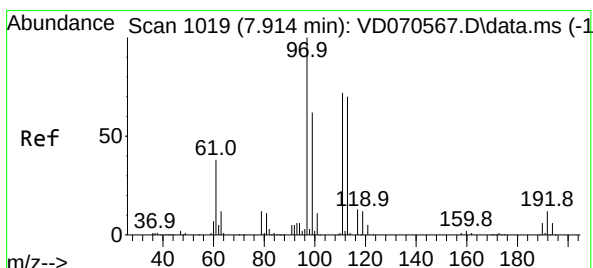
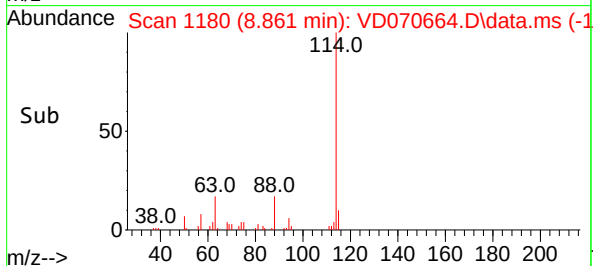
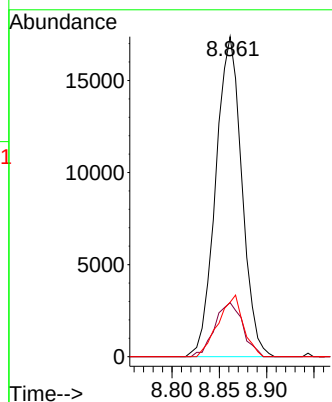
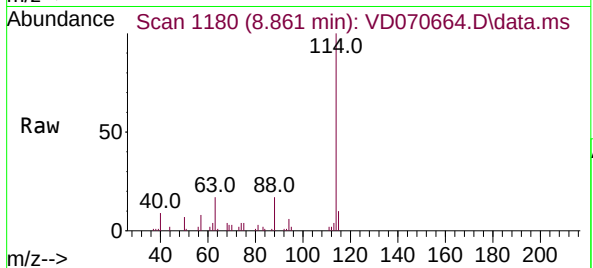


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

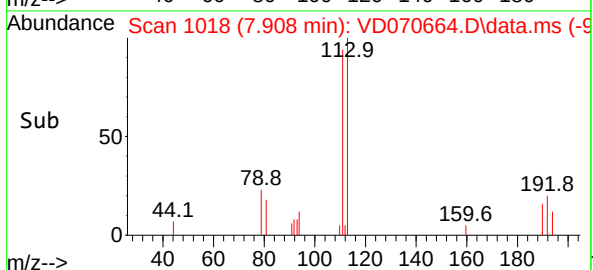
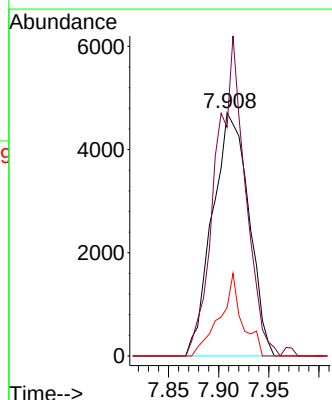
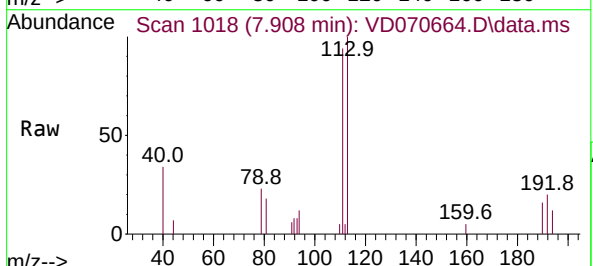
Tgt Ion:	114	Resp:	33349
Ion Ratio	Lower	Upper	
114	100		
63	16.9	0.0	41.8
88	17.0	0.0	32.6

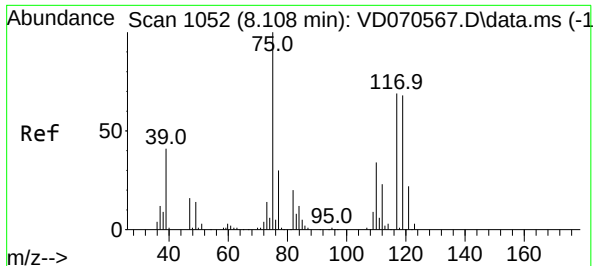


#35

Dibromofluoromethane
Concen: 53.693 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion:	113	Resp:	11905
Ion Ratio	Lower	Upper	
113	100		
111	106.6	83.1	124.7
192	20.9	12.7	19.1#

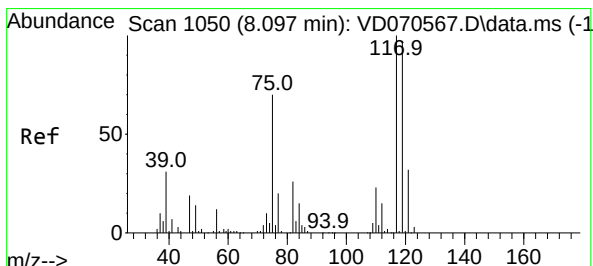
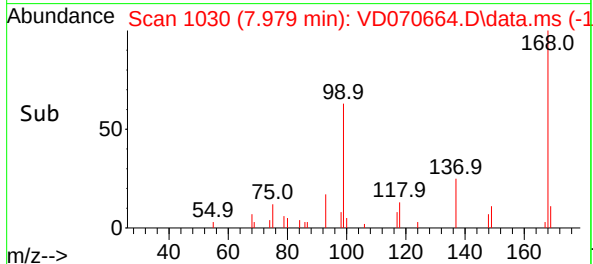
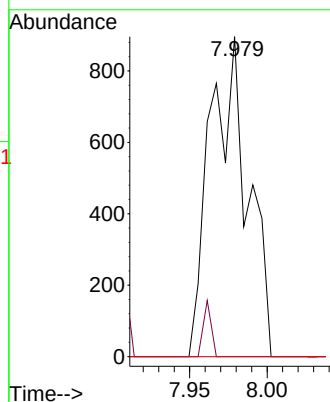
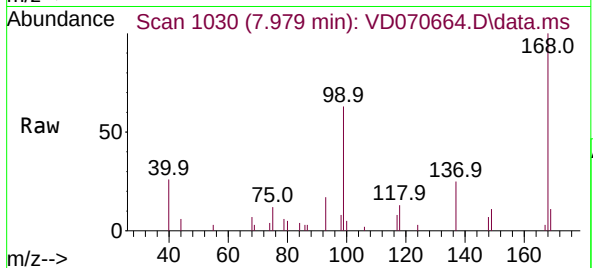




#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

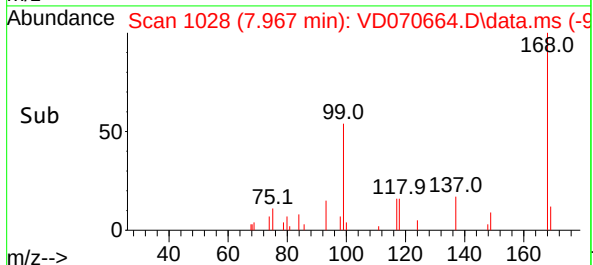
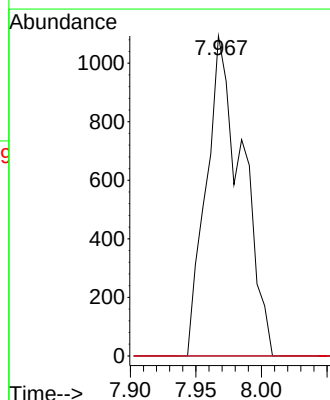
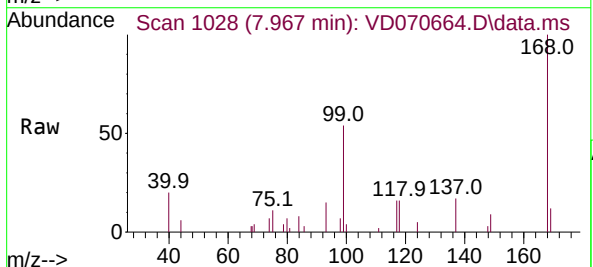
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

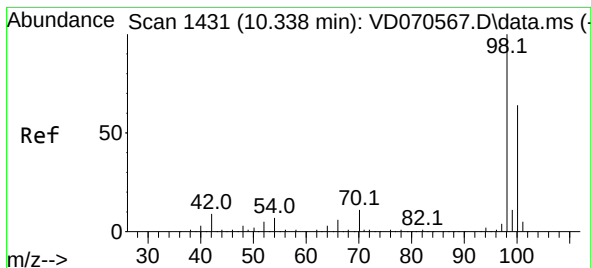
Tgt Ion: 75 Resp: 1516
Ion Ratio Lower Upper
75 100
110 3.6 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.652 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion: 117 Resp: 2095
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

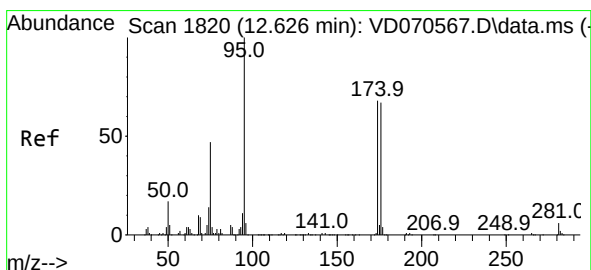
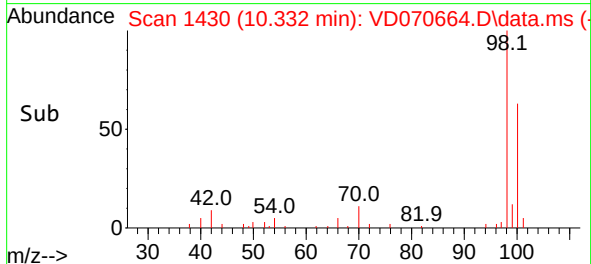
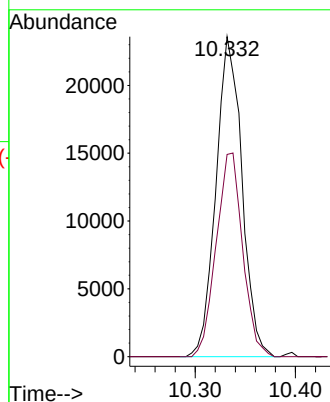
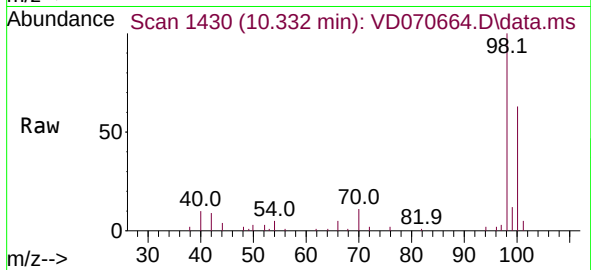




#50
Toluene-d8
Concen: 49.961 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

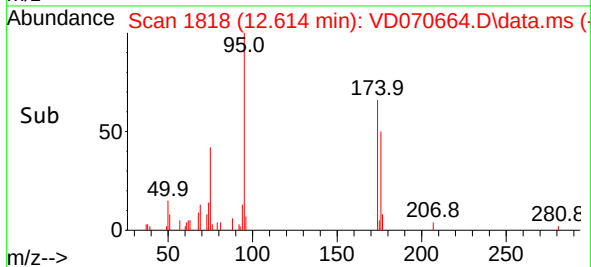
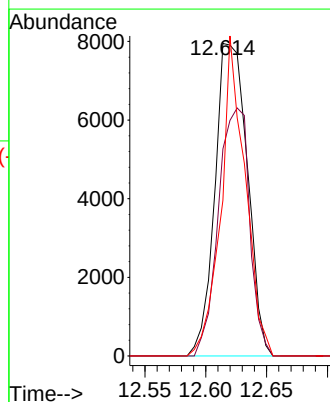
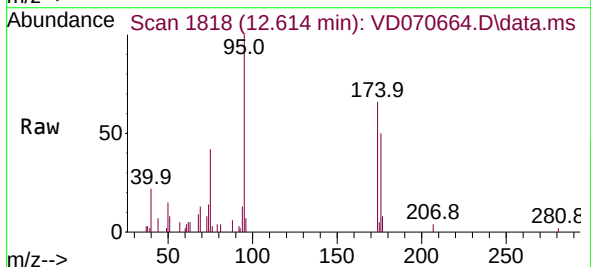
Instrument :
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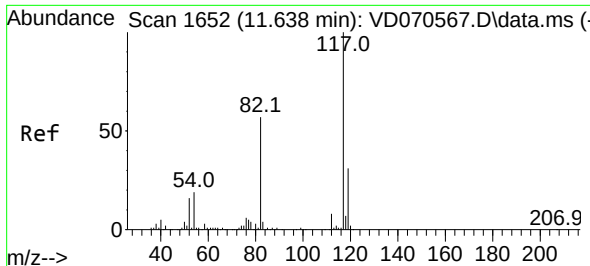
Tgt Ion: 98 Resp: 42348
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 51.981 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion: 95 Resp: 14726
Ion Ratio Lower Upper
95 100
174 76.2 0.0 138.0
176 76.5 0.0 135.6

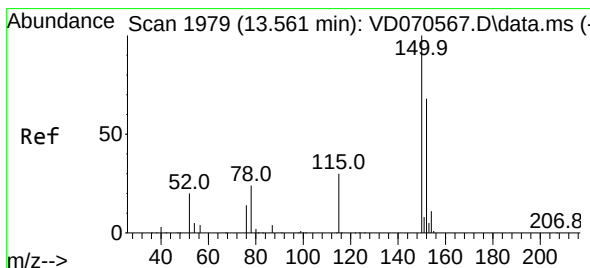
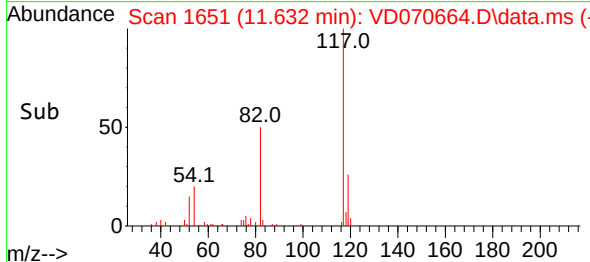
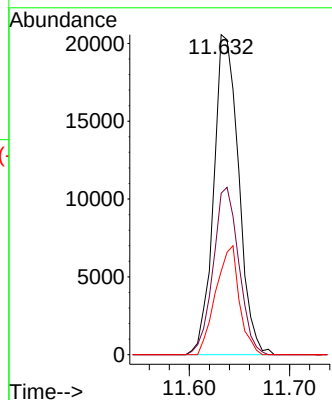
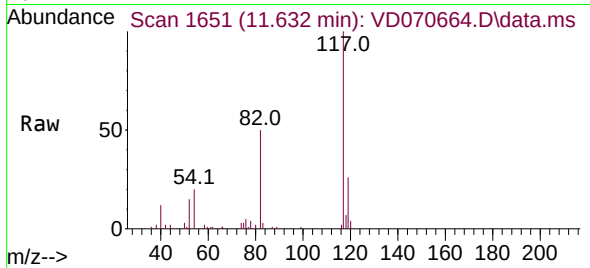




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

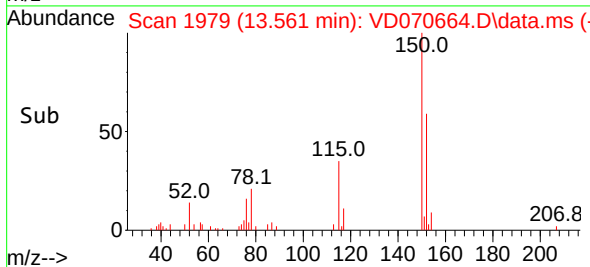
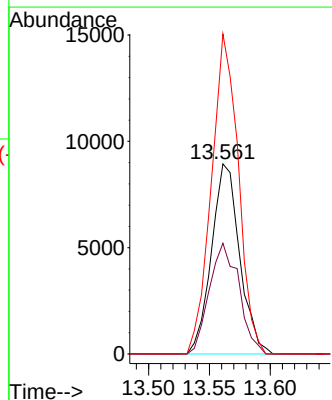
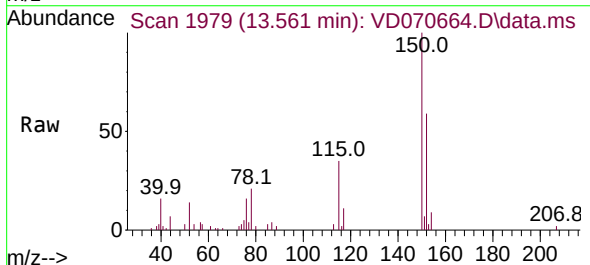
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

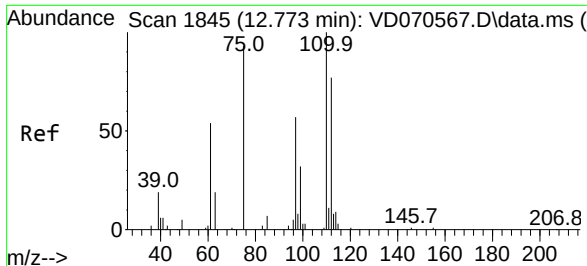
Tgt Ion:117 Resp: 35522
Ion Ratio Lower Upper
117 100
82 50.4 45.4 68.2
119 26.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion:152 Resp: 14398
Ion Ratio Lower Upper
152 100
115 61.3 31.9 95.7
150 160.8 0.0 350.0

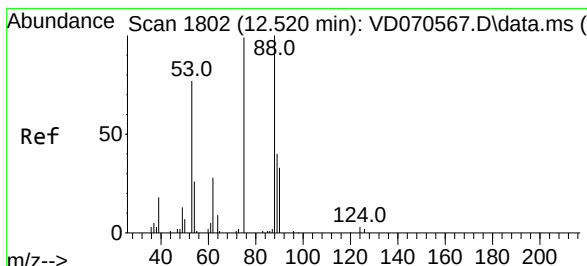
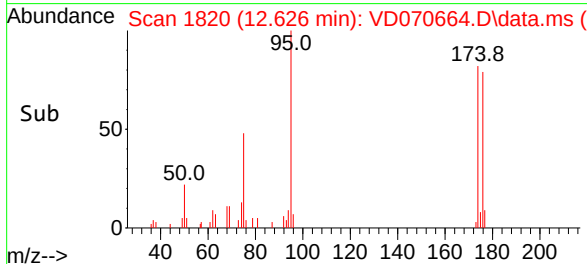
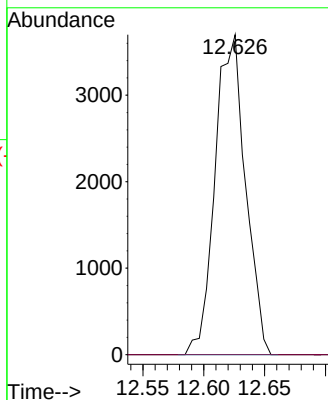
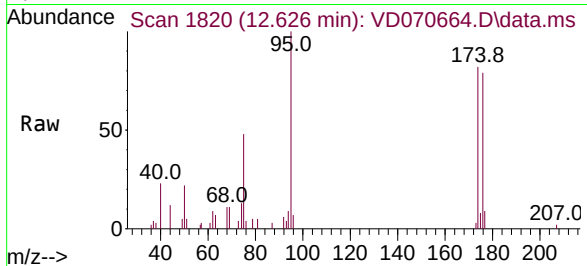




#76
1,2,3-Trichloropropane
Concen: 49.379 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

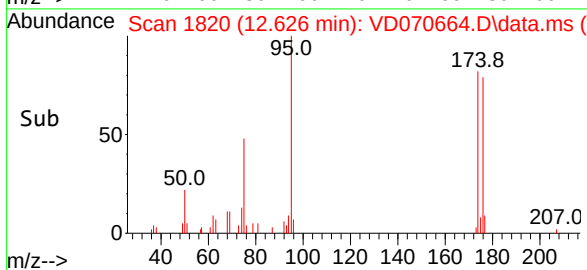
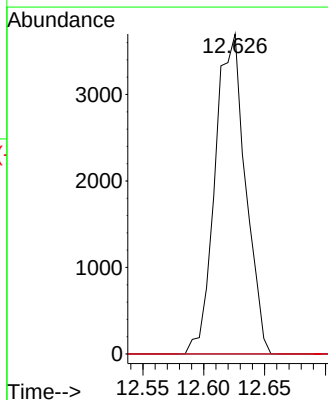
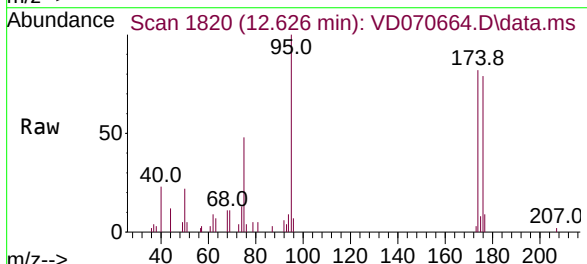
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

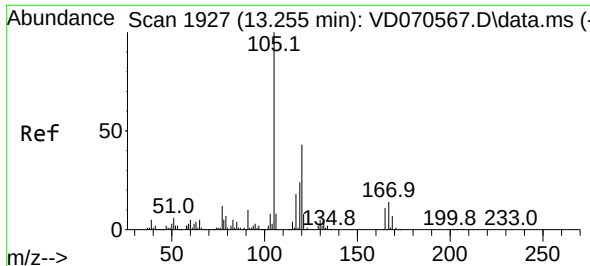
Tgt Ion: 75 Resp: 6435
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 109.631 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion: 75 Resp: 6435
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

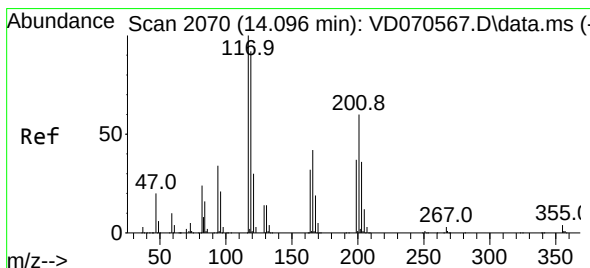
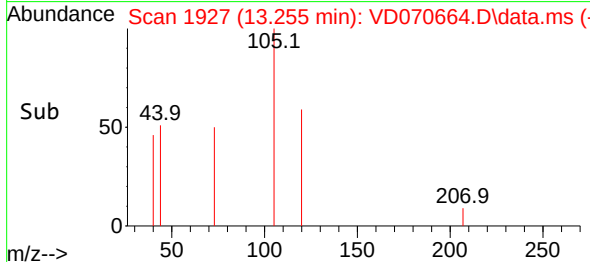
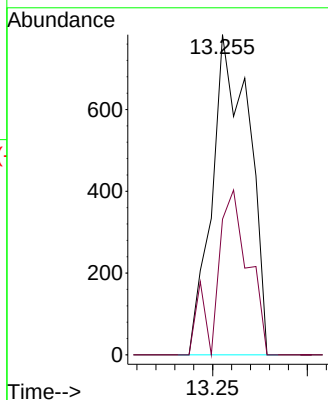
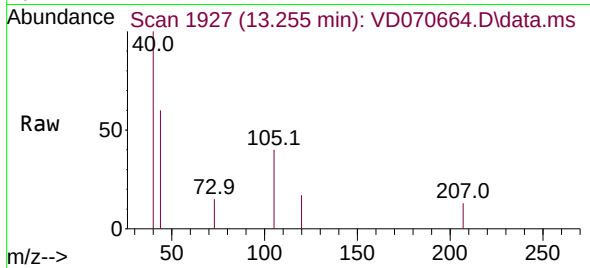




#84
1,2,4-Trimethylbenzene
Concen: 1.197 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

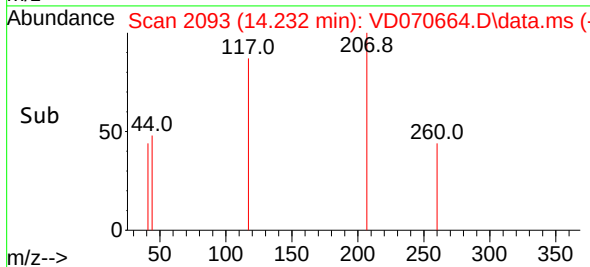
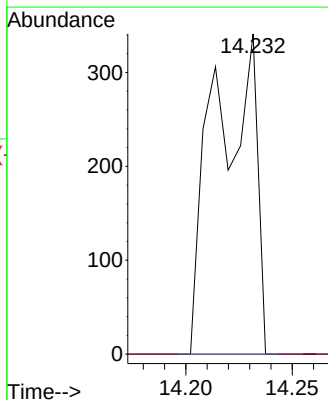
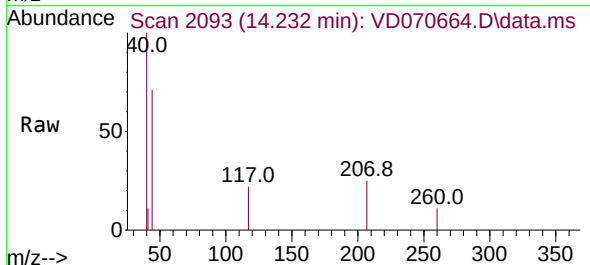
Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

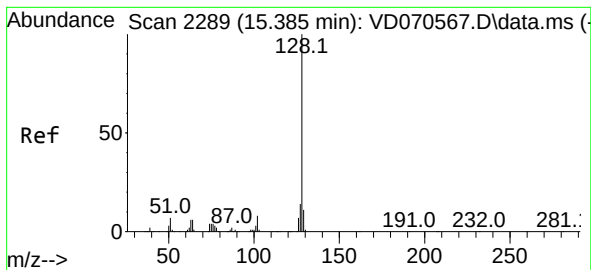
Tgt Ion:105 Resp: 1066
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8



#90
Hexachloroethane
Concen: 2.276 ug/l
RT: 14.232 min Scan# 2093
Delta R.T. 0.135 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Tgt Ion:117 Resp: 461
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#





#95
Naphthalene
Concen: 3.453 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070664.D
Acq: 11 Oct 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-100821

Tgt Ion:128 Resp: 463
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

