

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070644.D
 Acq On : 08 Oct 2021 17:44
 Operator : VA/SY
 Sample : M3990-10
 Misc : 7.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-845-R-SO-6-6.5-092921

Quant Time: Oct 11 02:24:11 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)

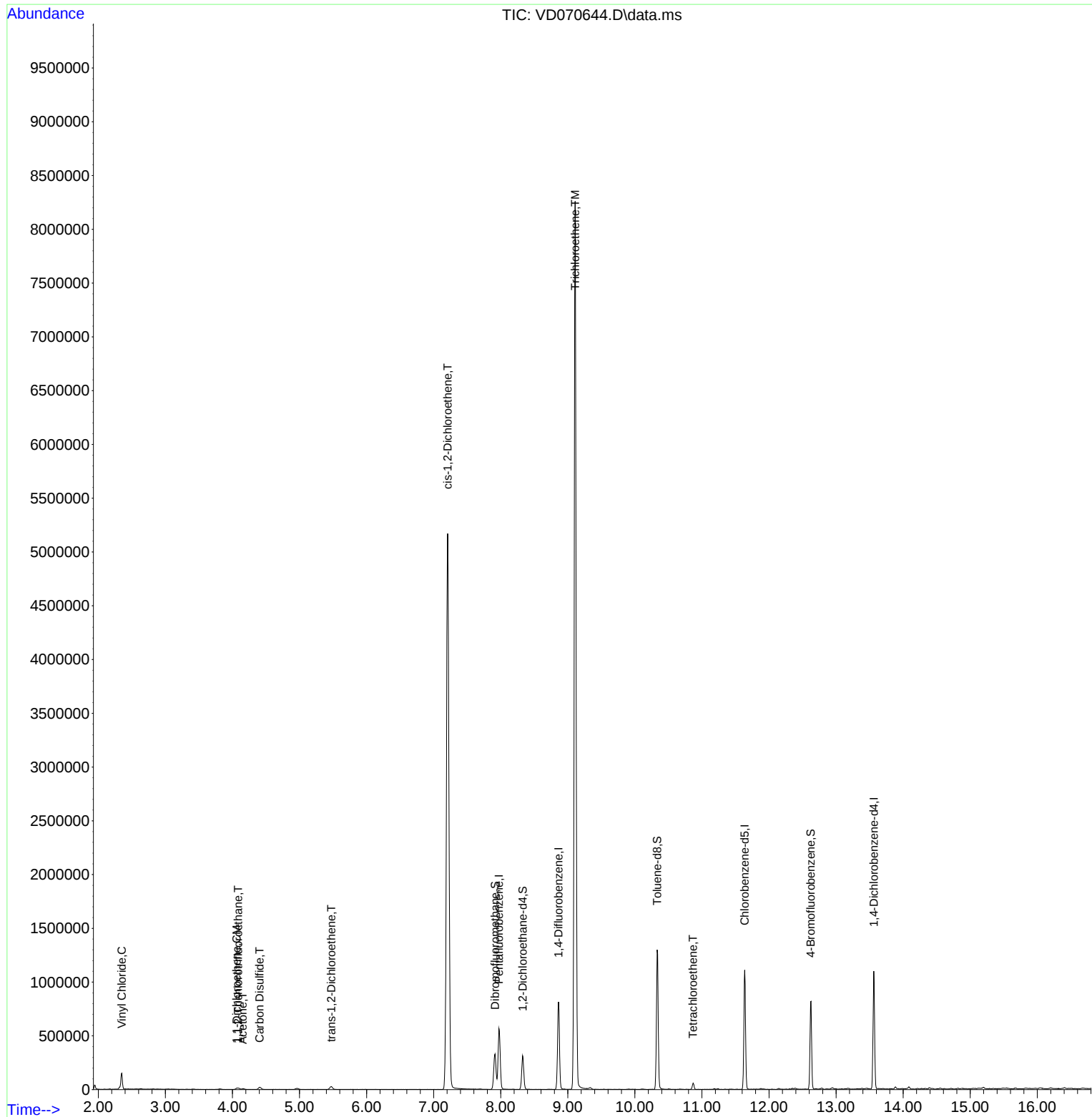
Internal Standards						
1) Pentafluorobenzene	7.973	168	398212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	703861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	675066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	289513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236777	50.524	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.040%		
35) Dibromofluoromethane	7.914	113	249612	53.340	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.680%		
50) Toluene-d8	10.332	98	923080	51.598	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.200%		
62) 4-Bromofluorobenzene	12.620	95	286014	47.835	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 95.660%		
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.350	62	134111	20.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	5554	1.058	ug/l	95
12) 1,1-Dichloroethene	4.062	96	6630	1.419	ug/l	86
16) Acetone	4.150	43	12184	15.310	ug/l #	78
17) Carbon Disulfide	4.403	76	44389	2.602	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	18828	3.425	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	3328164	576.213	ug/l	89
44) Trichloroethene	9.108	130	2970165	546.682	ug/l	99
64) Tetrachloroethene	10.867	164	13216	3.053	ug/l #	82

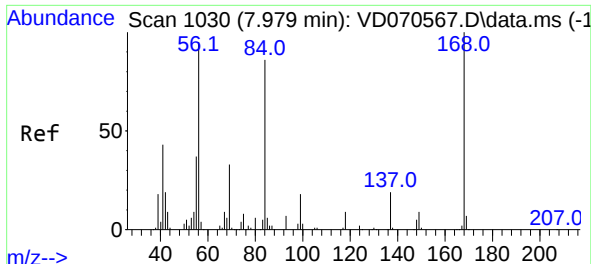
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

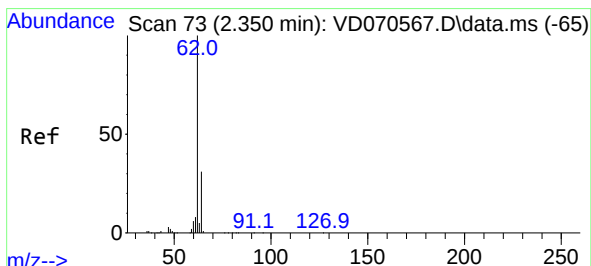
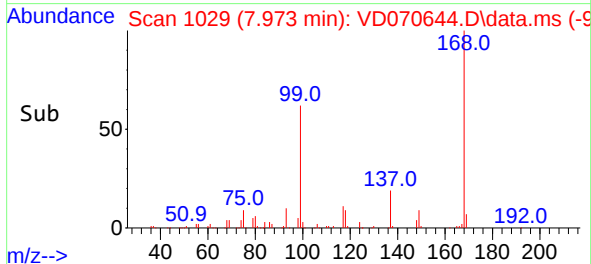
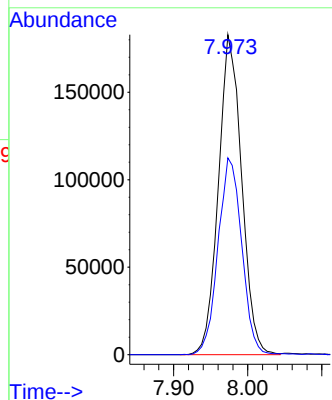
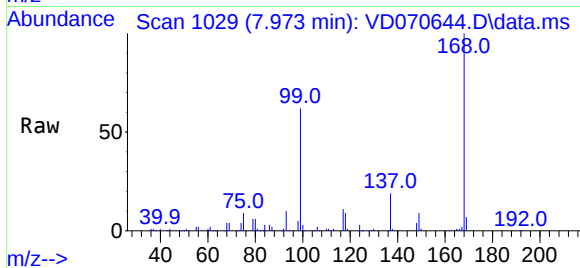




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

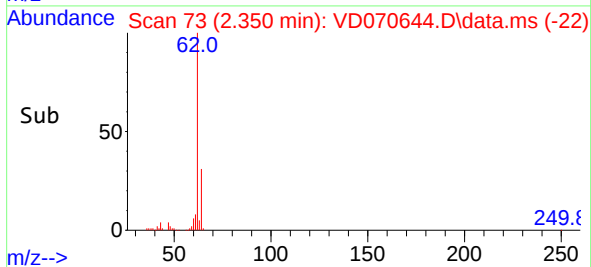
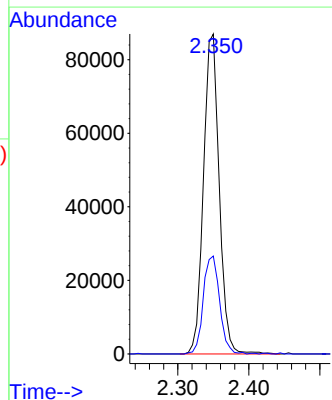
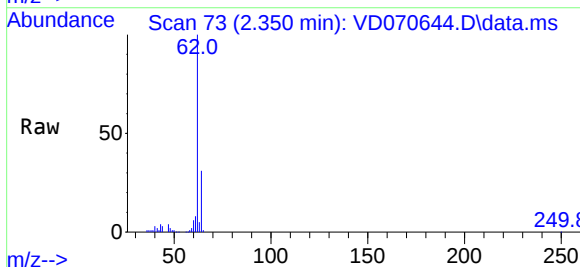
Instrument :
MSVOA_D
ClientSampleId :
S-845-R-SO-6-6.5-092921

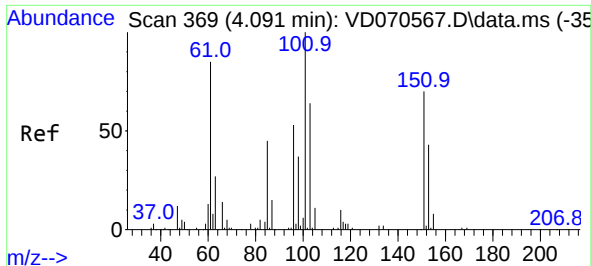
Tgt Ion:168 Resp: 398212
Ion Ratio Lower Upper
168 100
99 61.5 51.4 77.0



#4
Vinyl Chloride
Concen: 20.069 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion: 62 Resp: 134111
Ion Ratio Lower Upper
62 100
64 30.6 24.9 37.3

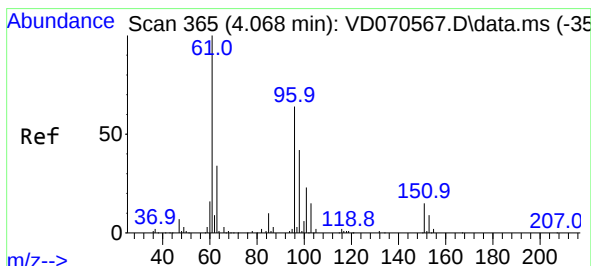
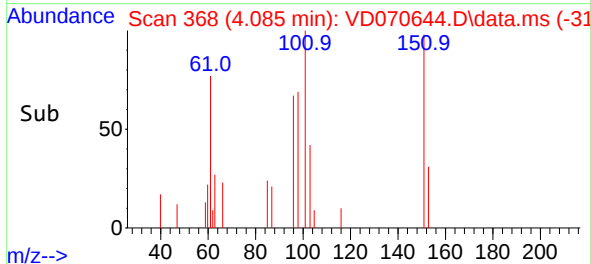
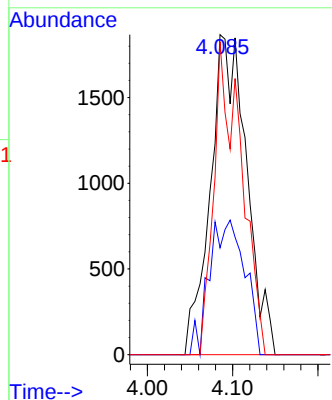
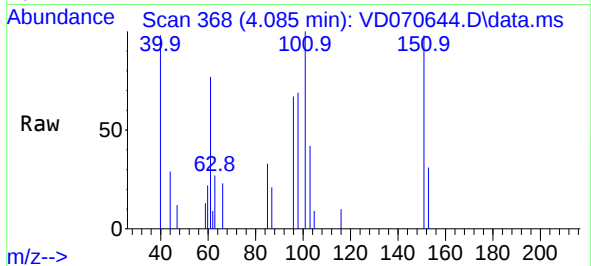




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.058 ug/l
RT: 4.085 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

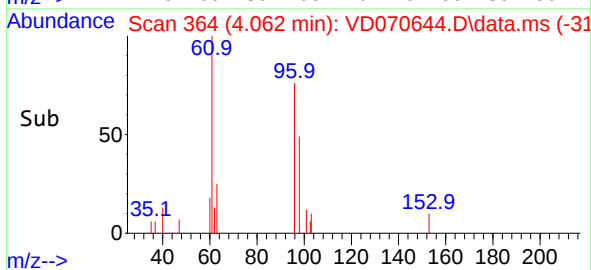
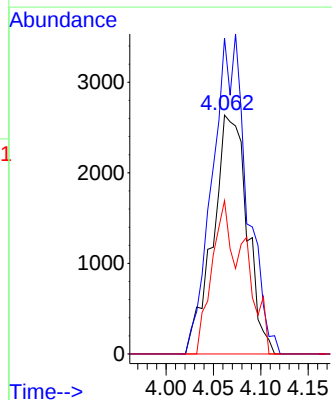
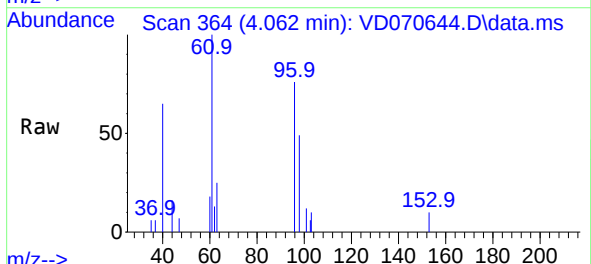
Instrument :
MSVOA_D
ClientSampleId :
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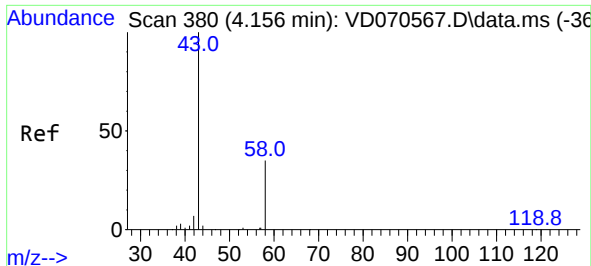
Tgt Ion:	101	Resp:	5554
Ion	Ratio	Lower	Upper
101	100		
85	41.0	35.5	53.3
151	74.0	55.8	83.8



#12
1,1-Dichloroethene
Concen: 1.419 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion:	96	Resp:	6630
Ion	Ratio	Lower	Upper
96	100		
61	132.2	125.9	188.9
98	64.2	52.3	78.5

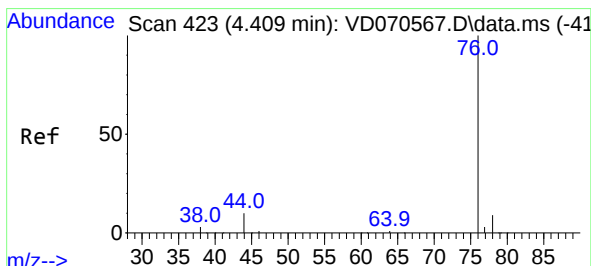
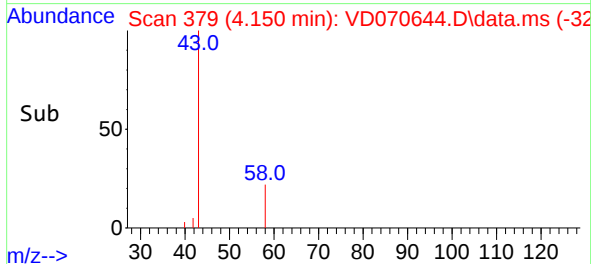
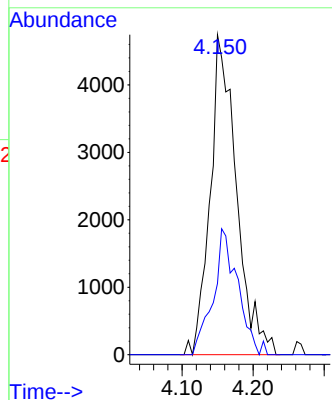
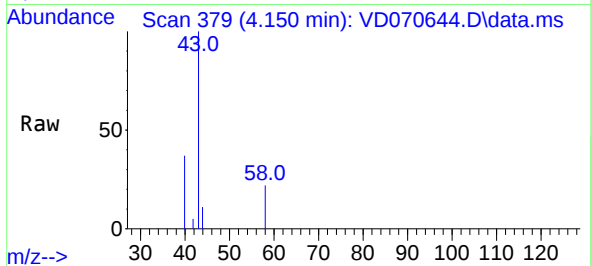




#16
Acetone
Concen: 15.310 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

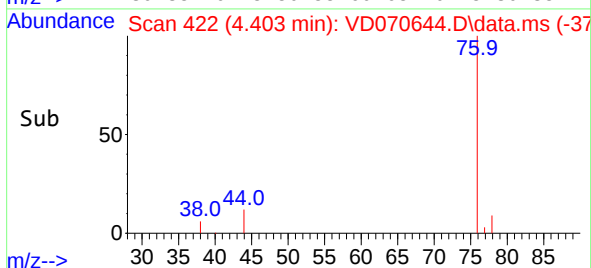
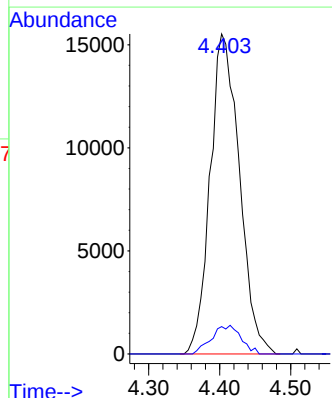
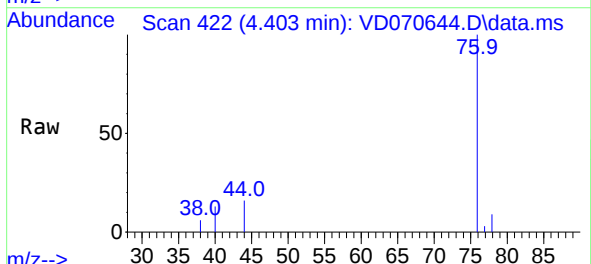
Instrument :
MSVOA_D
ClientSampleId :
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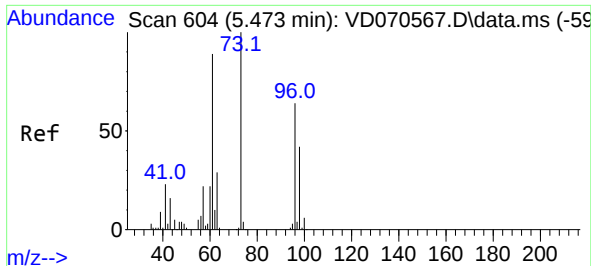
Tgt Ion: 43 Resp: 12184
Ion Ratio Lower Upper
43 100
58 22.3 28.2 42.2#



#17
Carbon Disulfide
Concen: 2.602 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion: 76 Resp: 44389
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

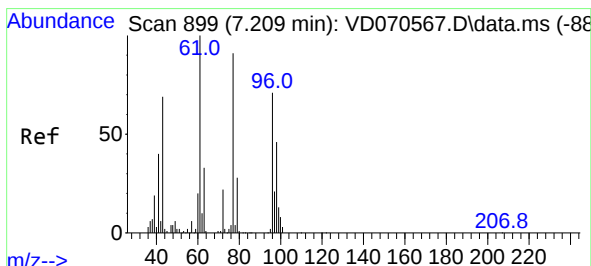
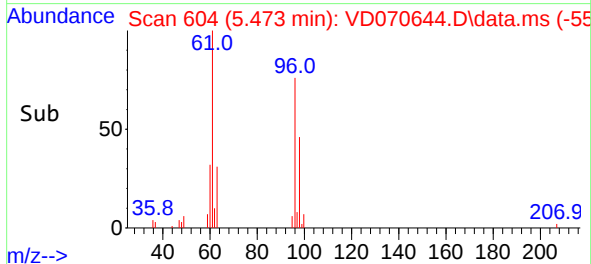
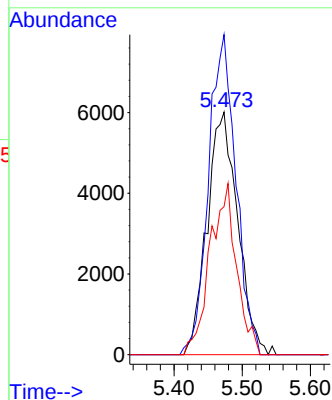
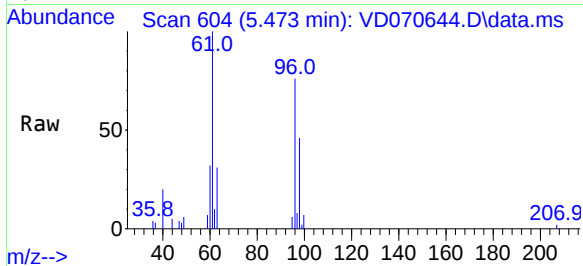




#21
trans-1,2-Dichloroethene
Concen: 3.425 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

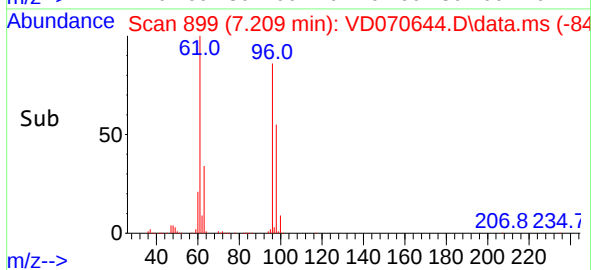
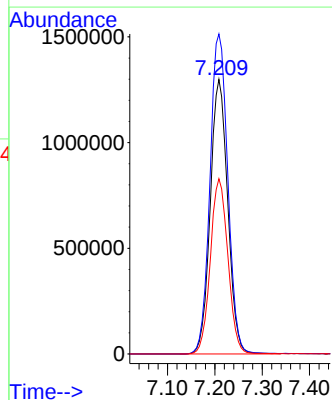
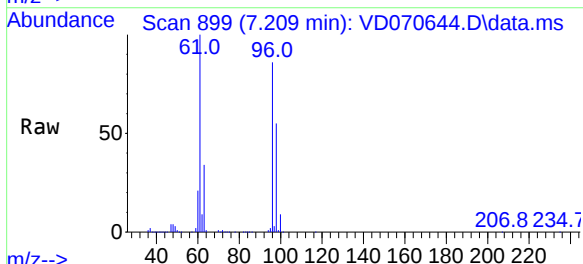
Instrument :
MSVOA_D
ClientSampleId :
S-845-R-SO-6-6.5-092921

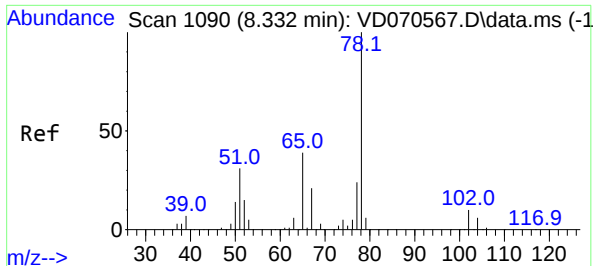
Tgt Ion: 96 Resp: 18828
Ion Ratio Lower Upper
96 100
61 131.9 111.1 166.7
98 61.0 51.9 77.9



#27
cis-1,2-Dichloroethene
Concen: 576.213 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion: 96 Resp: 3328164
Ion Ratio Lower Upper
96 100
61 119.0 0.0 278.2
98 64.1 0.0 128.6

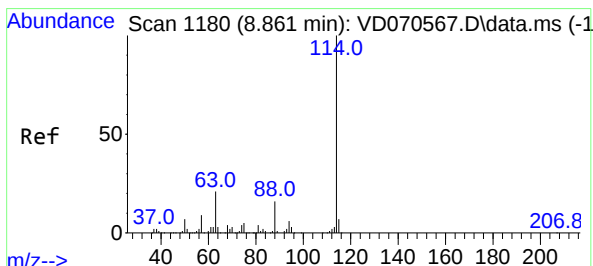
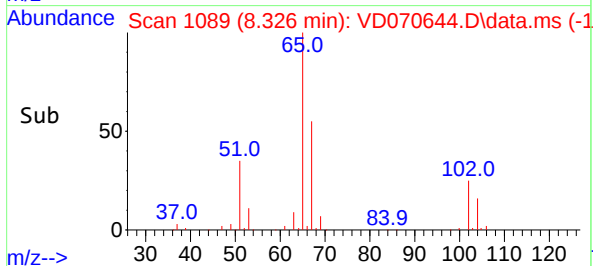
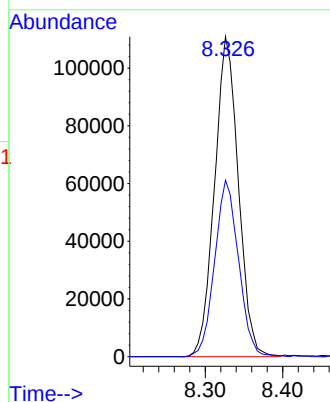
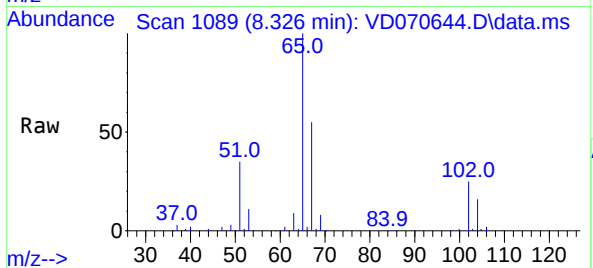




#33
1,2-Dichloroethane-d4
Concen: 50.524 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

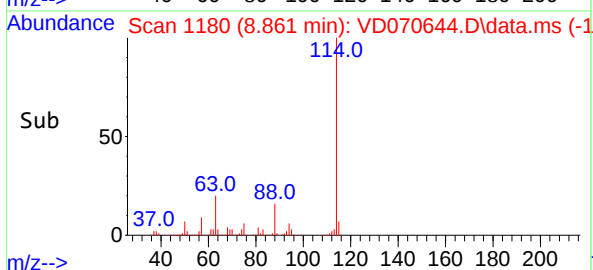
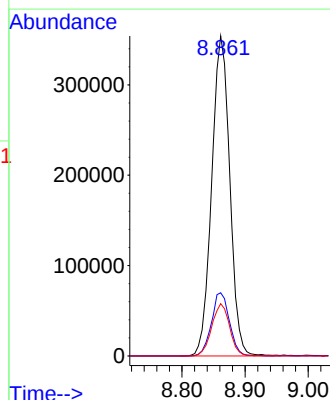
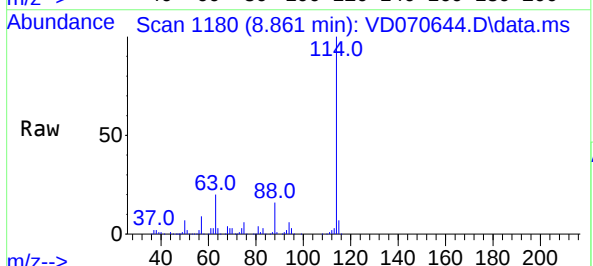
Instrument :
MSVOA_D
ClientSampleId :
S-845-R-SO-6-6.5-092921

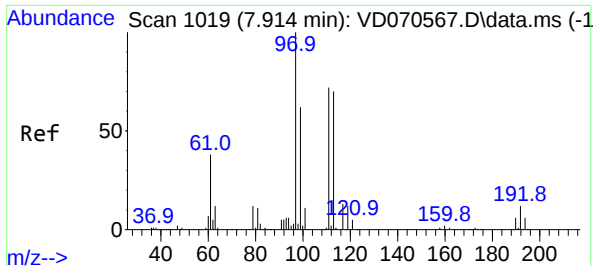
Tgt Ion: 65 Resp: 236777
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion: 114 Resp: 703861
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.8
88 16.4 0.0 32.6



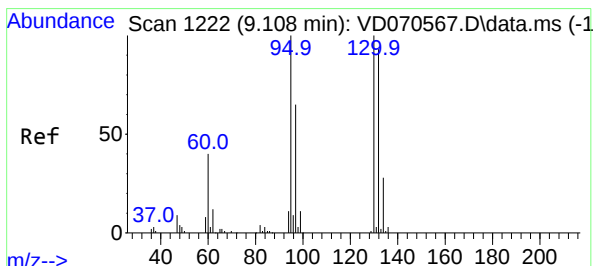
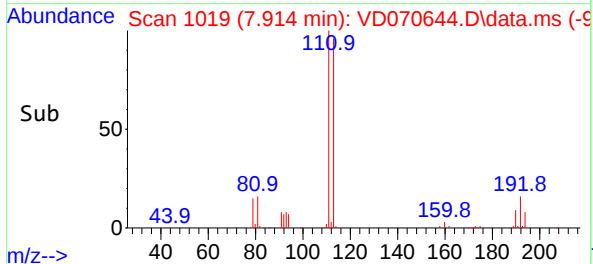
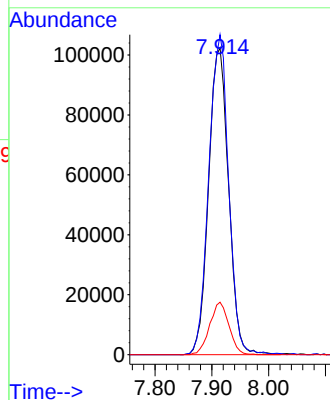
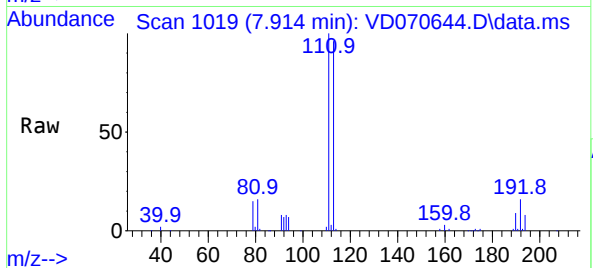


#35

Dibromofluoromethane
Concen: 53.340 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Instrument :
MSVOA_D
ClientSampleId :
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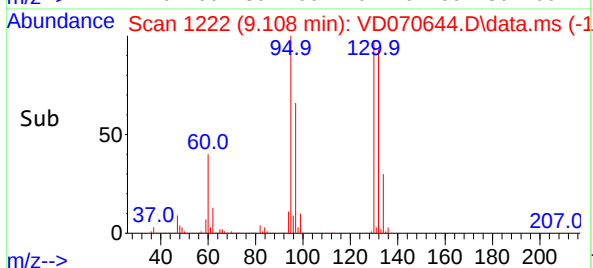
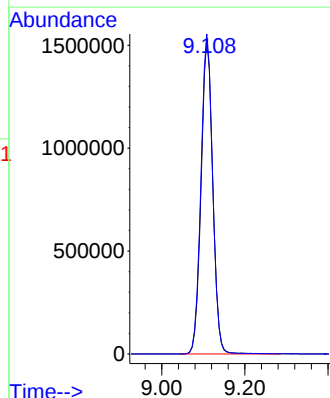
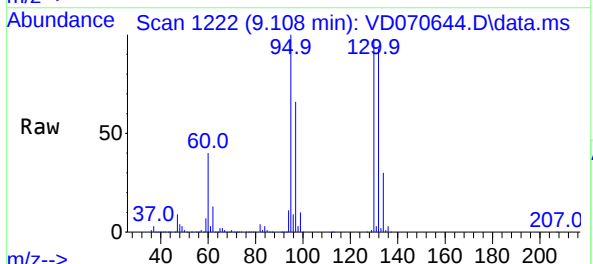
Tgt Ion:113 Resp: 249612
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 16.5 12.7 19.1

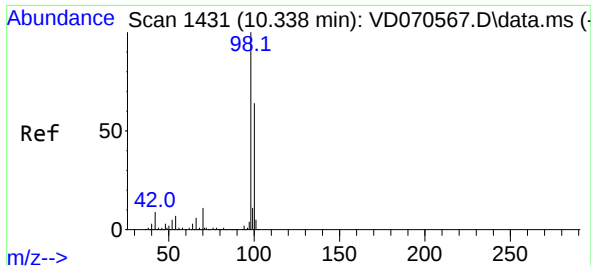


#44

Trichloroethene
Concen: 546.682 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

Tgt Ion:130 Resp: 2970165
Ion Ratio Lower Upper
130 100
95 101.8 0.0 200.8

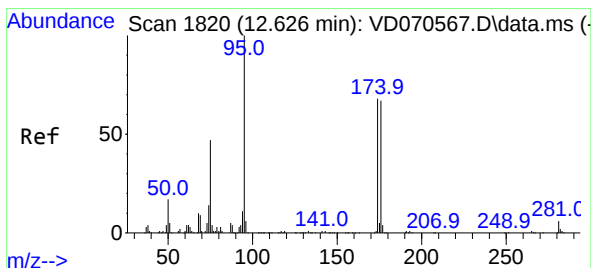
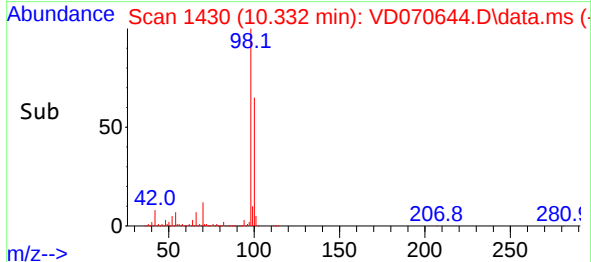
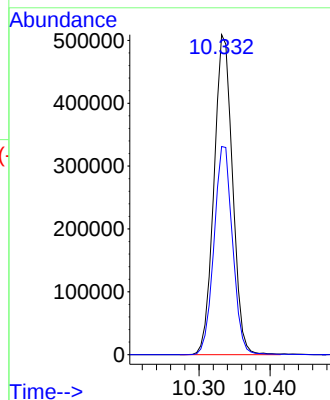
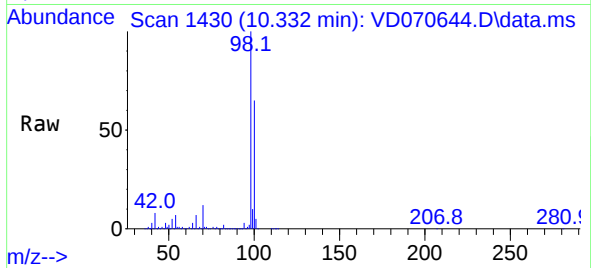




#50
Toluene-d8
Concen: 51.598 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

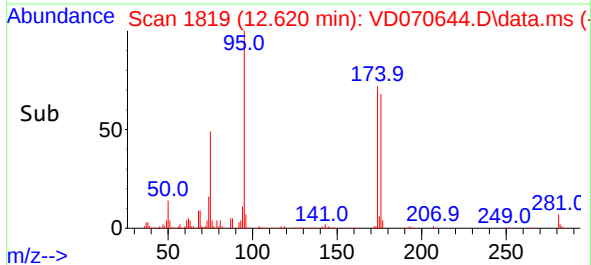
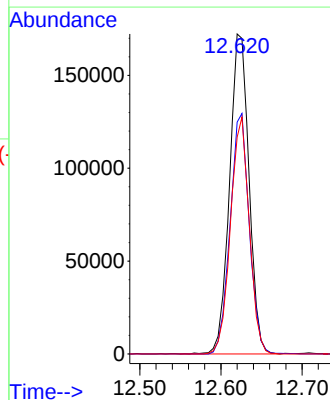
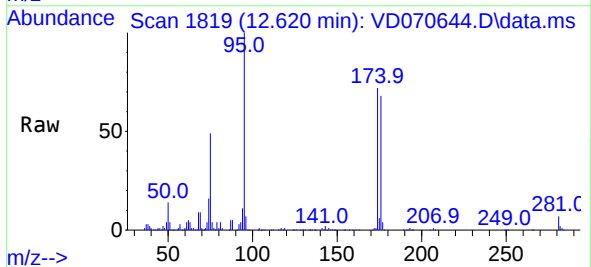
Instrument :
MSVOA_D
ClientSampleId :
S-845-R-SO-6-6.5-092921

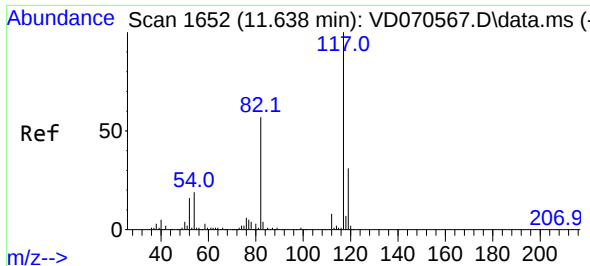
Tgt Ion: 98 Resp: 923080
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 47.835 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

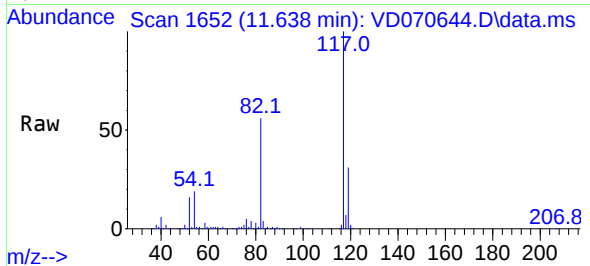
Tgt Ion: 95 Resp: 286014
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.0
176 71.4 0.0 135.6



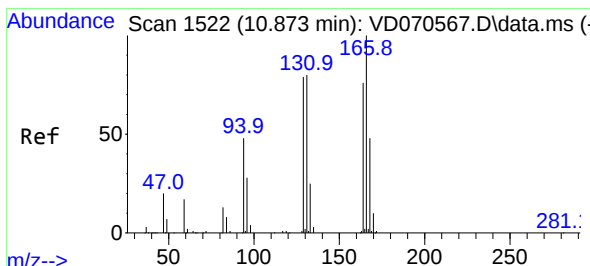
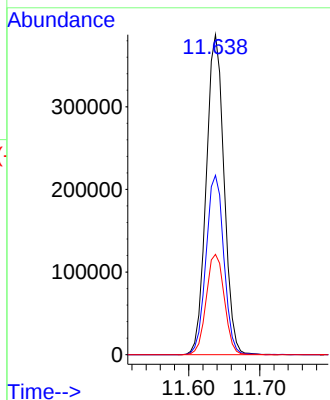
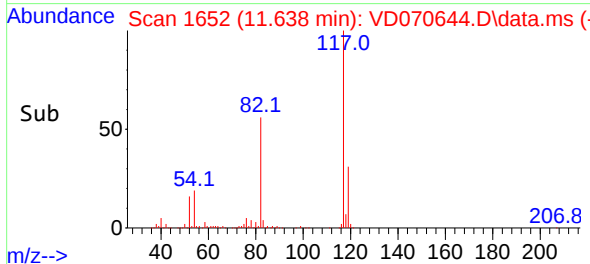


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44

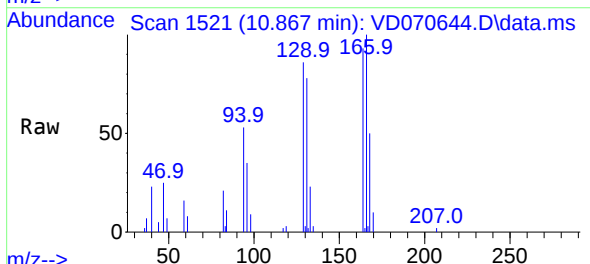
Instrument :
MSVOA_D
ClientSampleId :
S-845-R-SO-6-6.5-092921



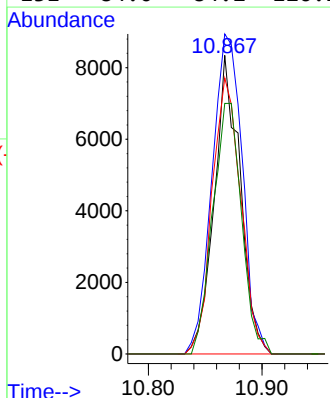
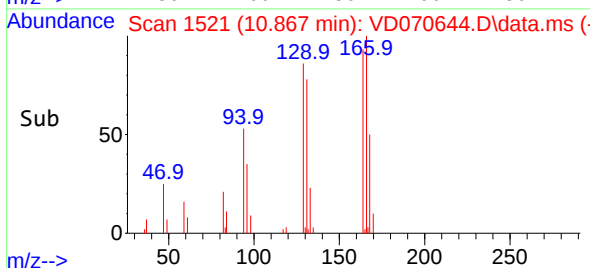
Tgt Ion:117 Resp: 675066
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 31.3 24.7 37.1

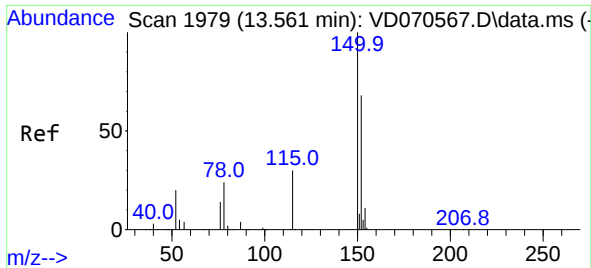


#64
Tetrachloroethene
Concen: 3.053 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD070644.D
Acq: 08 Oct 2021 17:44



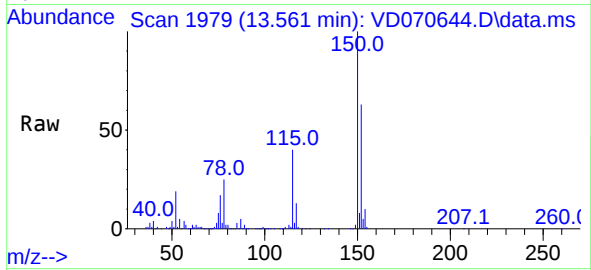
Tgt Ion:164 Resp: 13216
Ion Ratio Lower Upper
164 100
166 107.2 105.8 158.6
129 92.5 83.8 125.6
131 84.0 84.2 126.2#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD070644.D
 Acq: 08 Oct 2021 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 S-845-R-SO-6-6.5-092921



Tgt Ion:152 Resp: 289513

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.9	95.7
150	159.6	0.0	350.0

