

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070682.D
 Acq On : 12 Oct 2021 16:32
 Operator : VA/SY
 Sample : M4127-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

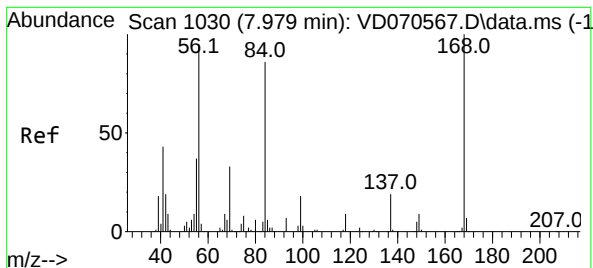
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27080

Quant Time: Oct 13 06:37:36 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	340474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	668822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	622671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	229351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	213312	53.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.914	113	223159	50.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.380%			
50) Toluene-d8	10.338	98	861469	50.677	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.626	95	245594	43.227	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.460%			
Target Compounds						
5) Bromomethane	2.779	94	934	Below Cal	#	63
16) Acetone	4.162	43	732	1.076	ug/l #	40
20) Methylene Chloride	4.967	84	20915	Below Cal	#	93
31) Cyclohexane	7.973	56	7430	1.001	ug/l #	24
36) 1,1-Dichloropropene	7.973	75	29482	4.150	ug/l #	50
38) Carbon Tetrachloride	7.973	117	37710	5.073	ug/l #	19
51) 4-Methyl-2-Pentanone	10.338	43	2612	1.171	ug/l #	1
59) 2-Hexanone	11.079	43	57	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	115897	55.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	115897	123.953	ug/l #	17
95) Naphthalene	15.384	128	56	2.497	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070682.D

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Instrument :

MSVOA_D

ClientSampleId :

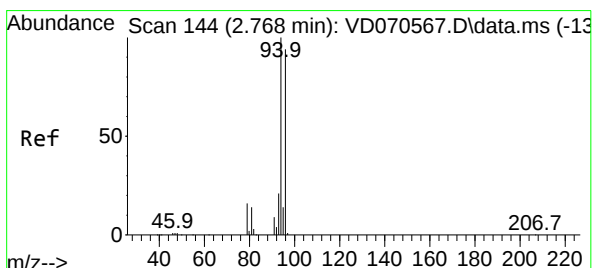
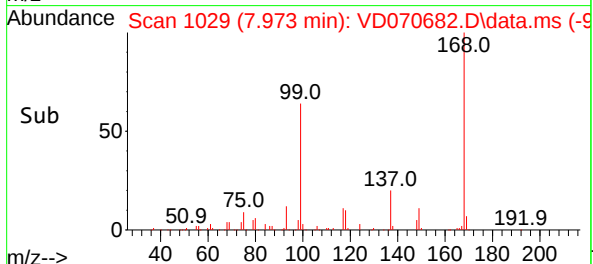
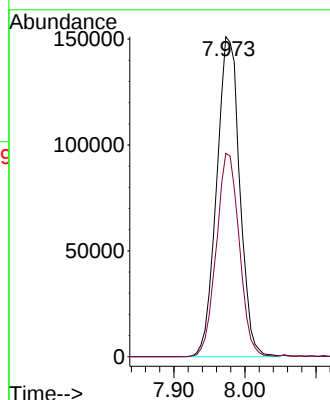
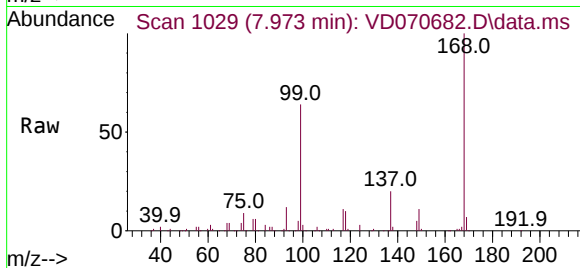
CHRT-27080

Tgt Ion:168 Resp: 340474

Ion Ratio Lower Upper

168 100

99 63.5 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070682.D

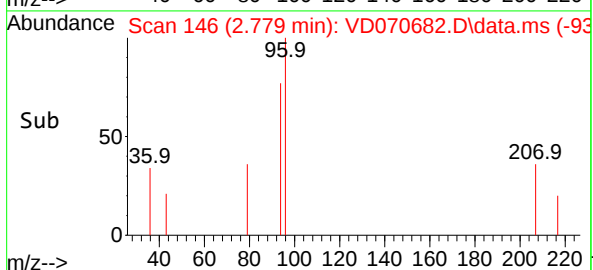
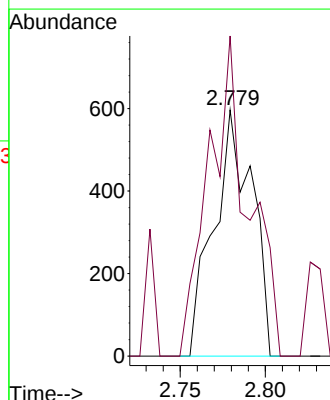
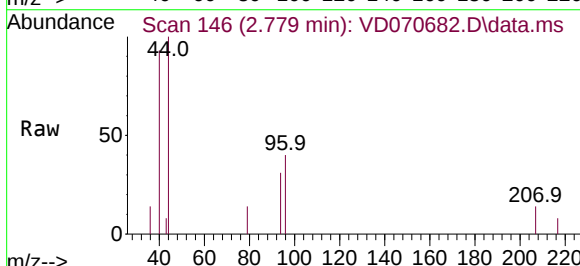
Acq: 12 Oct 2021 16:32

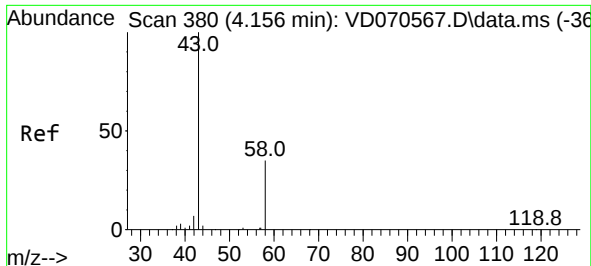
Tgt Ion: 94 Resp: 934

Ion Ratio Lower Upper

94 100

96 130.0 75.5 113.3#

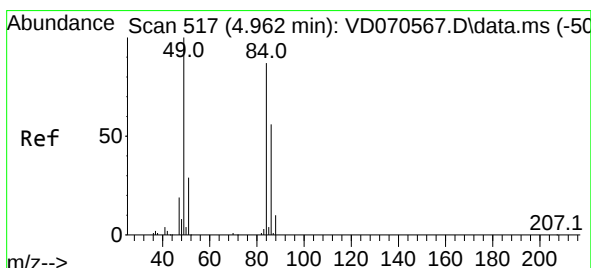
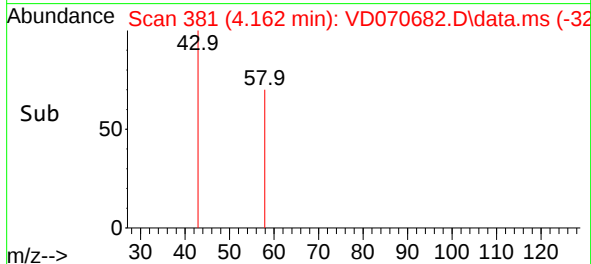
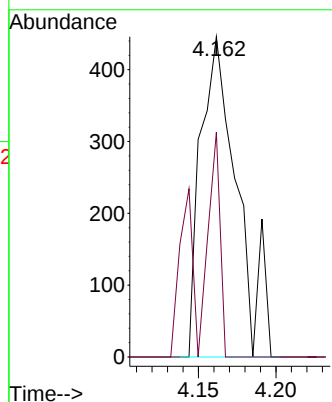
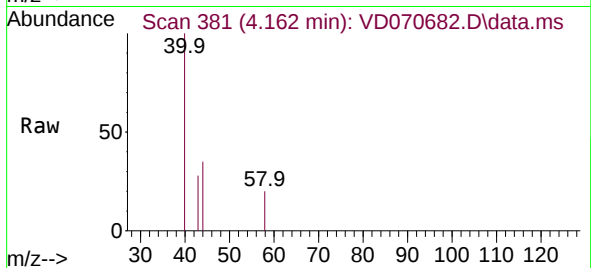




#16
Acetone
Concen: 1.076 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

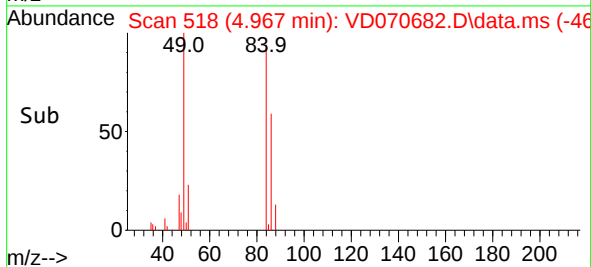
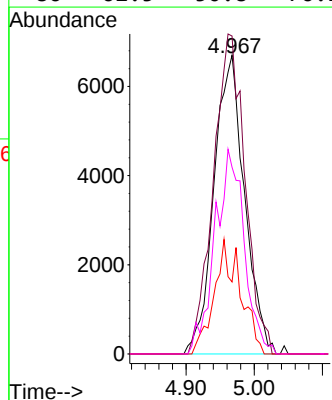
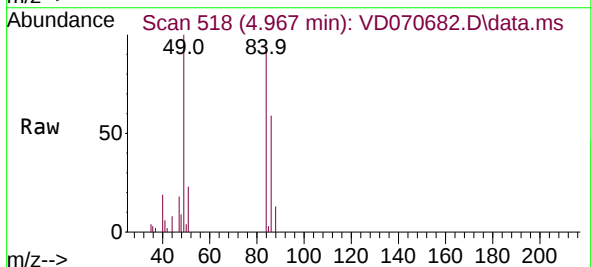
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

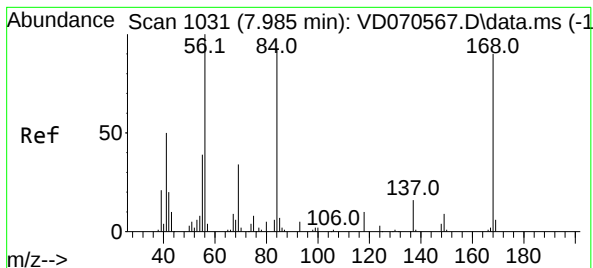
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 70.2 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 84 Resp: 20915
Ion Ratio Lower Upper
84 100
49 106.4 91.4 137.2
51 24.1 26.7 40.1#
86 62.5 50.8 76.2

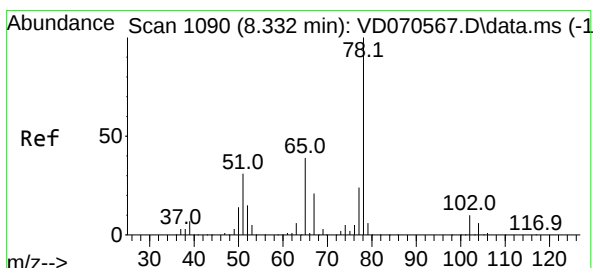
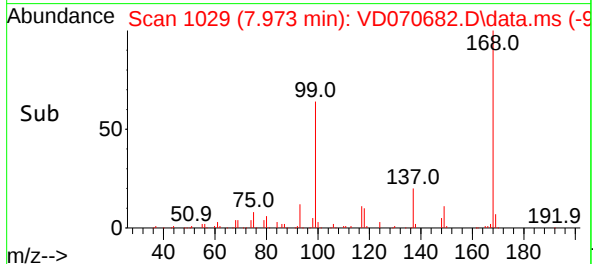
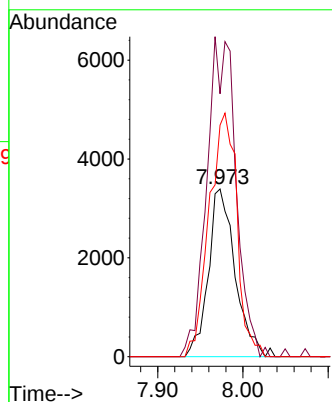
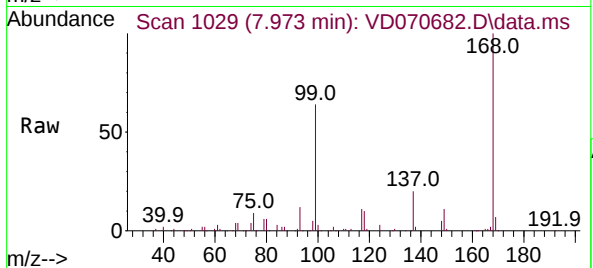




#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

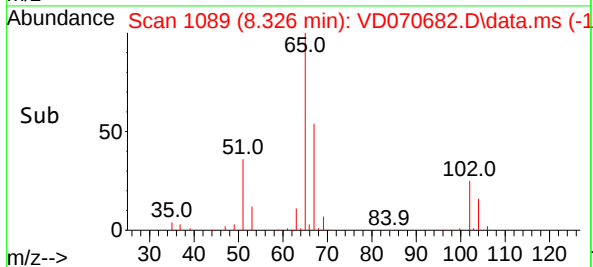
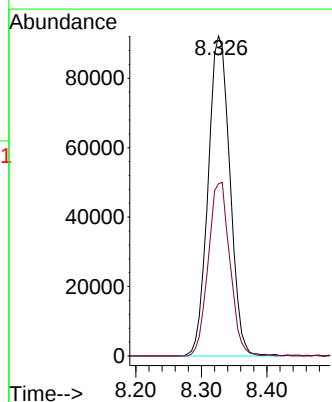
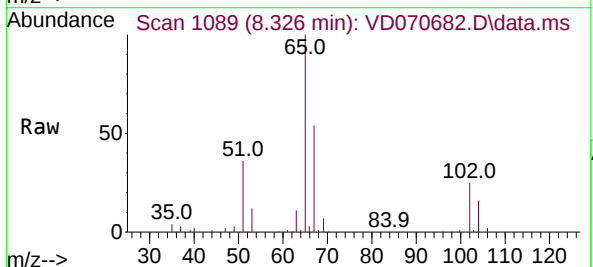
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

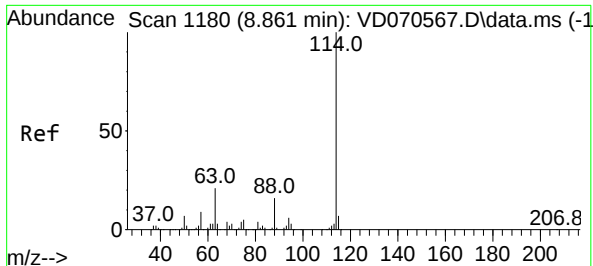
Tgt Ion: 56 Resp: 7430
Ion Ratio Lower Upper
56 100
69 141.7 27.4 41.2#
84 124.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 53.236 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 65 Resp: 213312
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2



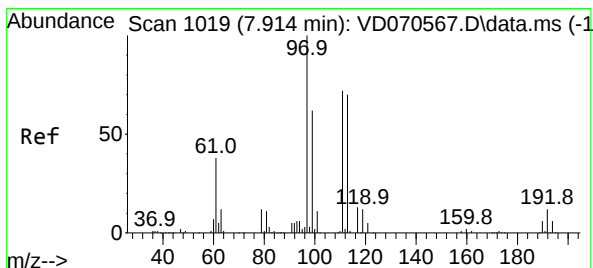
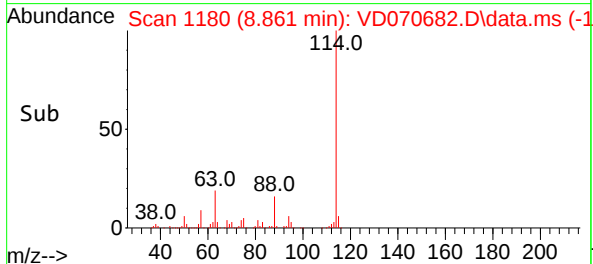
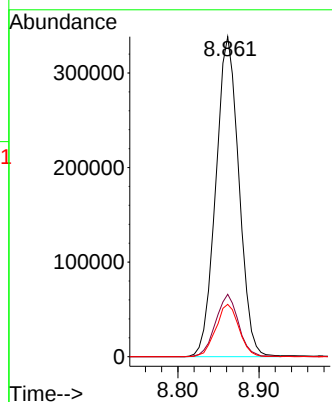
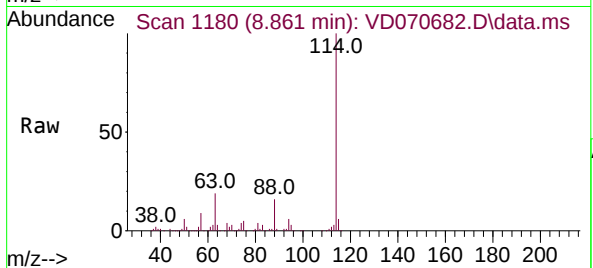


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

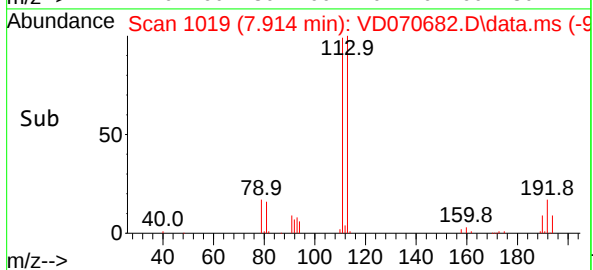
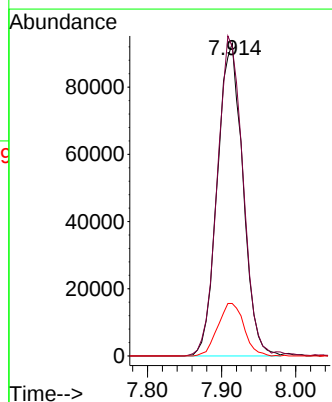
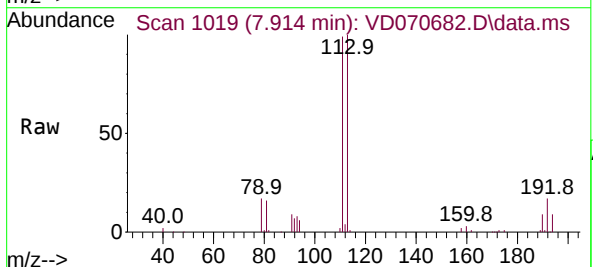
Tgt Ion:114	Resp: 668822
Ion Ratio	Lower Upper
114 100	
63 19.5	0.0 41.8
88 16.4	0.0 32.6

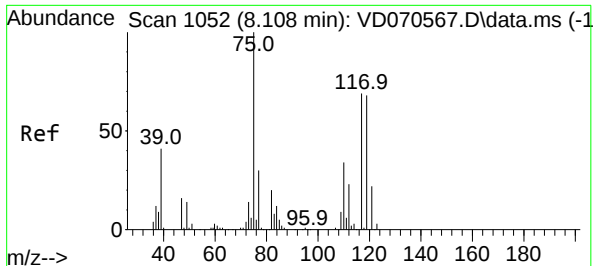


#35

Dibromofluoromethane
Concen: 50.185 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion:113	Resp:	223159	
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.2	12.7	19.1

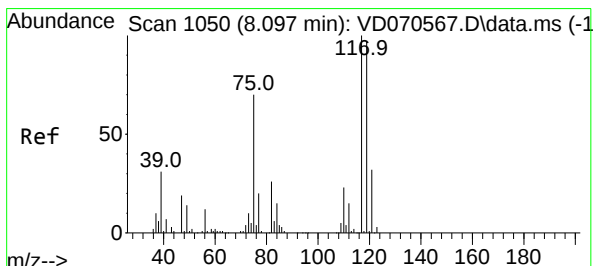
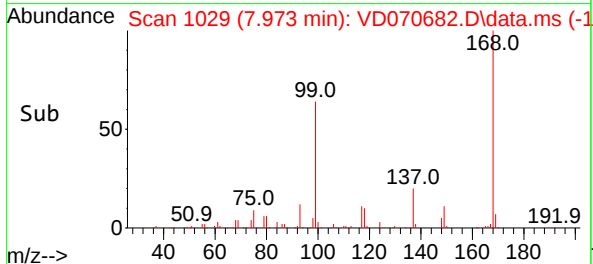
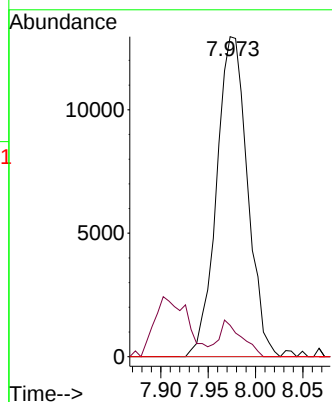
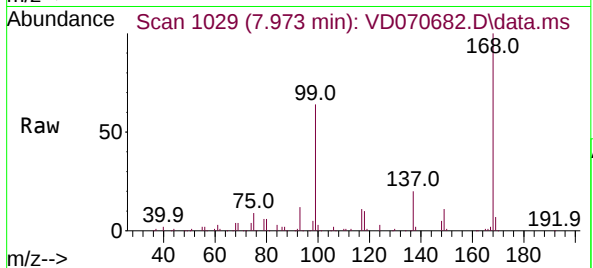




#36
1,1-Dichloropropene
Concen: 4.150 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

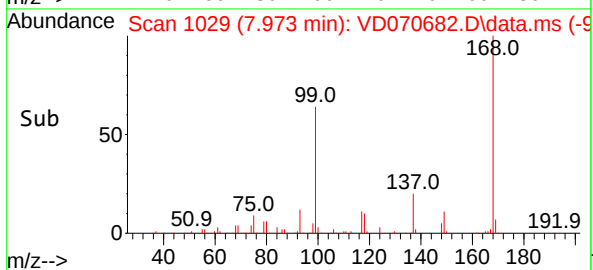
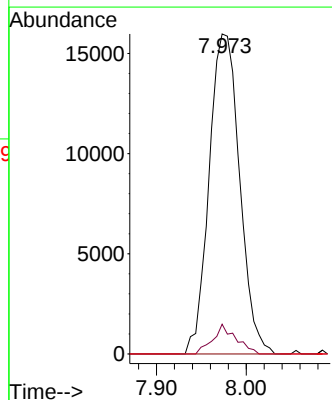
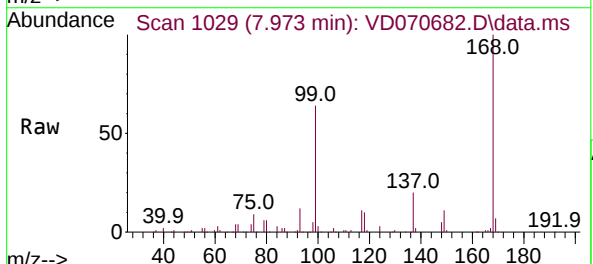
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ClientSampleId :
CHRT-27080

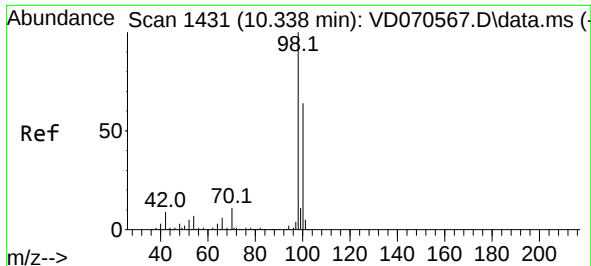
Tgt Ion: 75 Resp: 29482
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 117 Resp: 37710
Ion Ratio Lower Upper
117 100
119 9.3 77.4 116.0#
121 0.0 25.4 38.0#

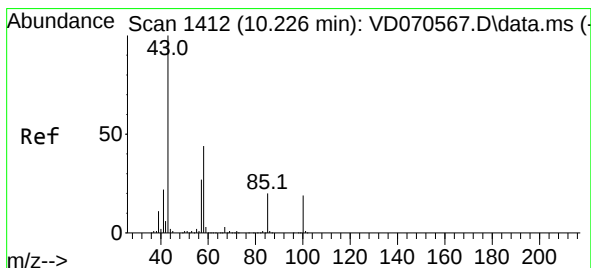
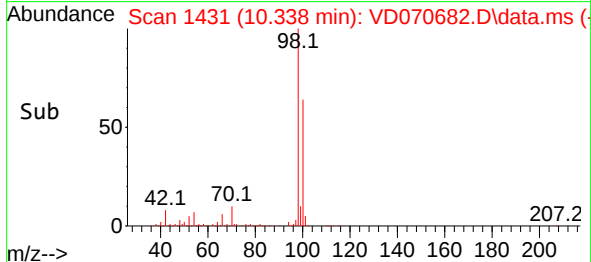
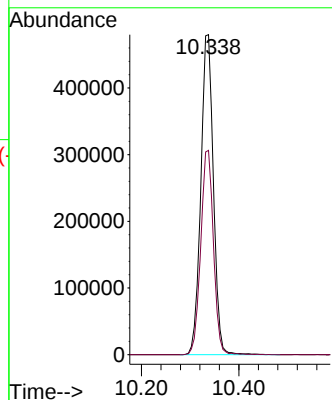
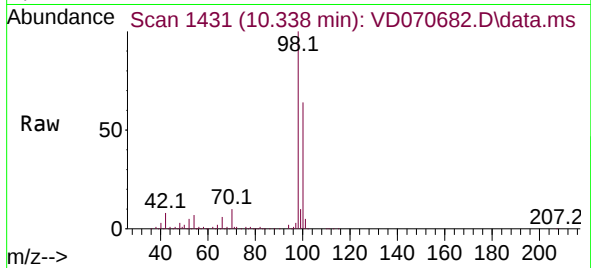




#50
Toluene-d8
Concen: 50.677 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

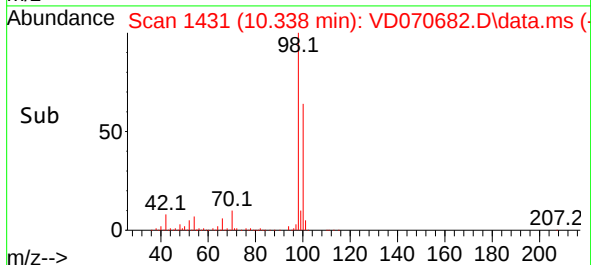
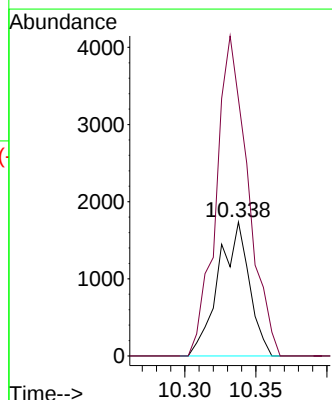
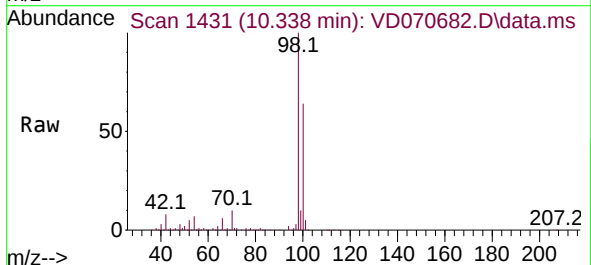
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CHRT-27080

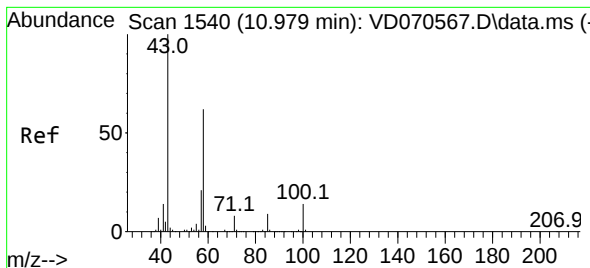
Tgt Ion: 98 Resp: 861469
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.171 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
58 247.5 35.0 52.6#

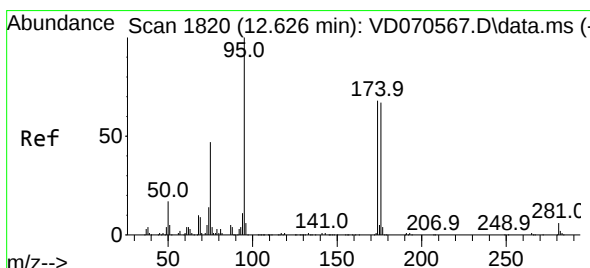
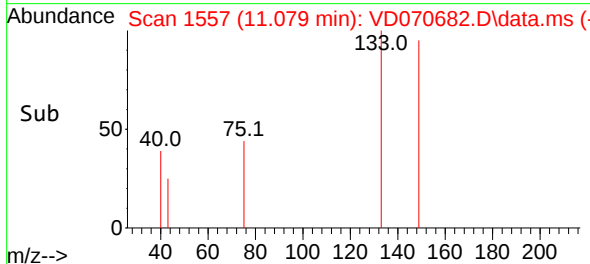
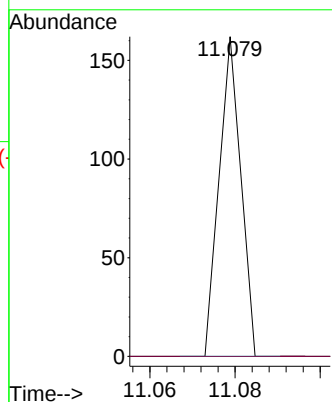
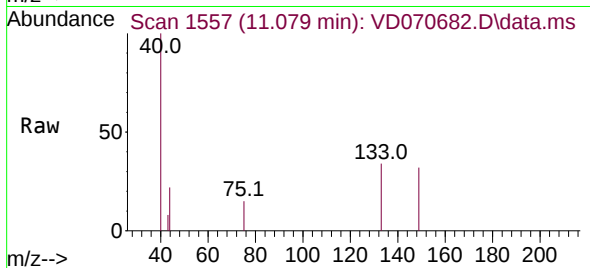




#59
2-Hexanone
Concen: Below Cal
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

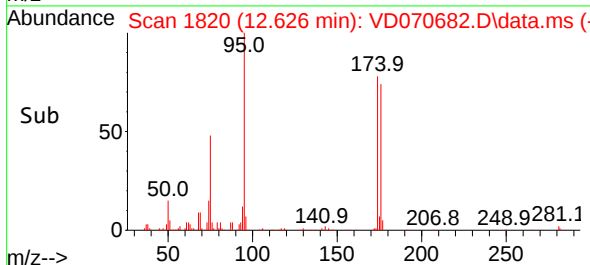
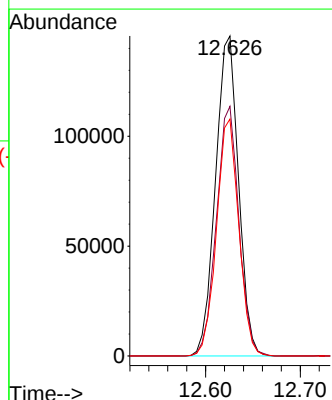
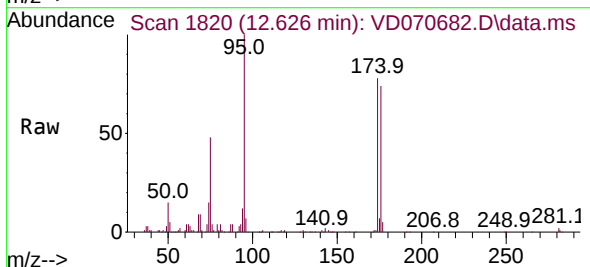
Instrument :
MSVOA_D
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CHRT-27080

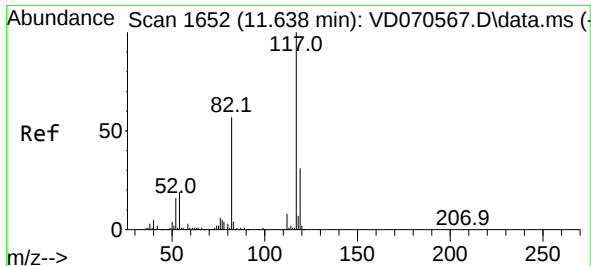
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 43.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 95 Resp: 245594
Ion Ratio Lower Upper
95 100
174 76.4 0.0 138.0
176 71.9 0.0 135.6

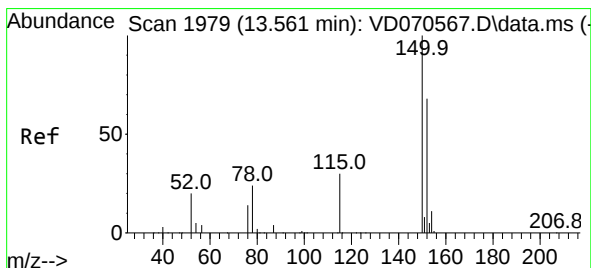
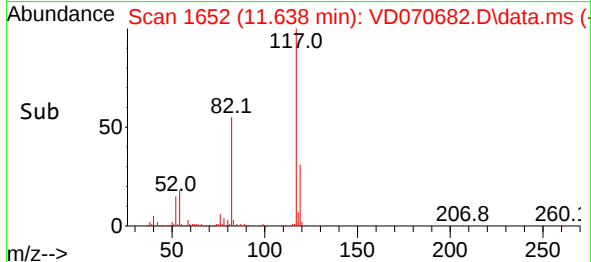
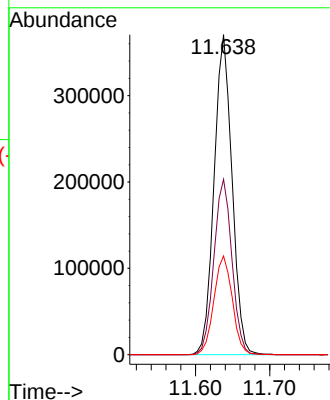
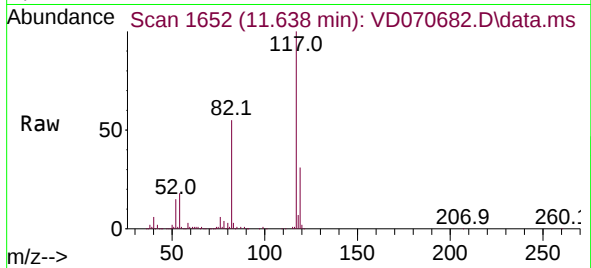




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

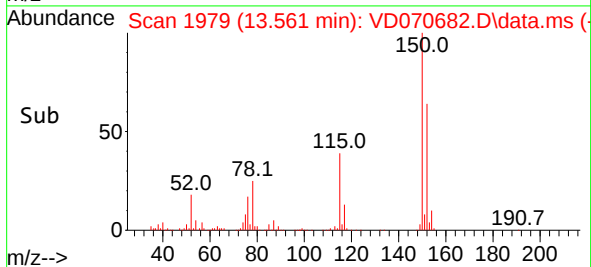
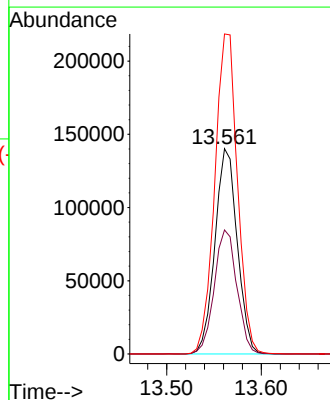
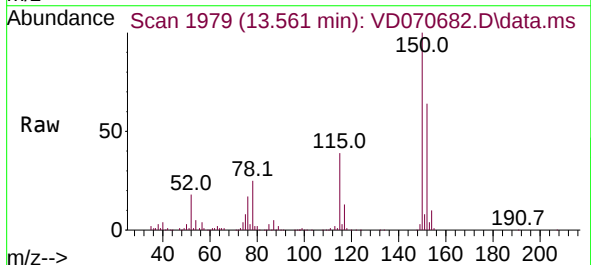
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

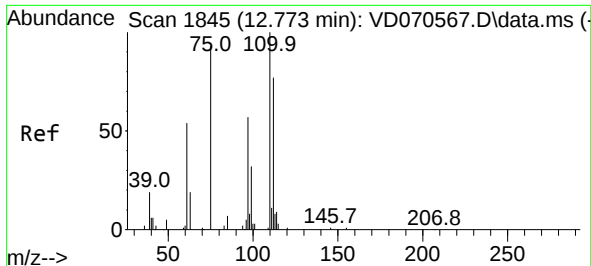
Tgt Ion:117 Resp: 622671
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.2
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion:152 Resp: 229351
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.7
150 158.9 0.0 350.0

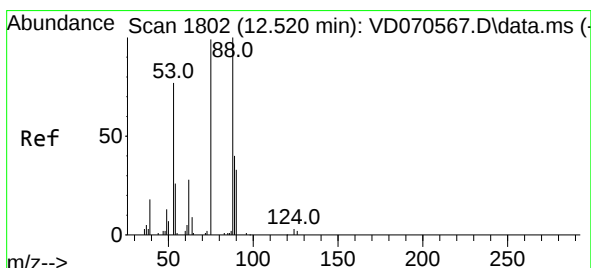
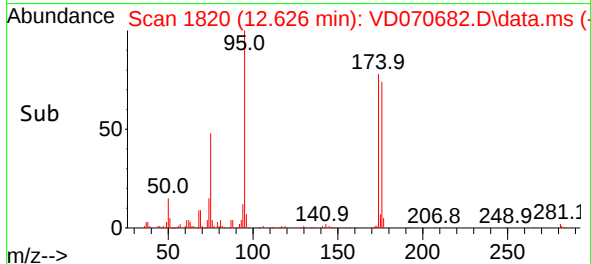
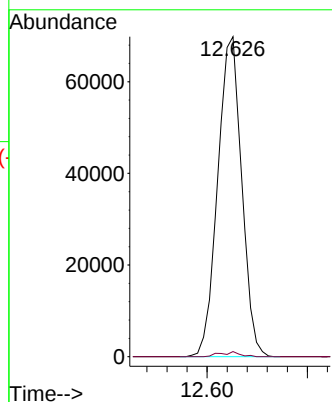
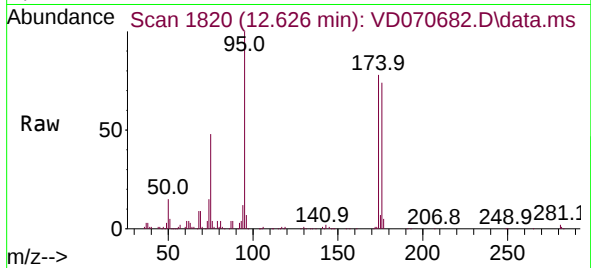




#76
1,2,3-Trichloropropane
Concen: 55.830 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

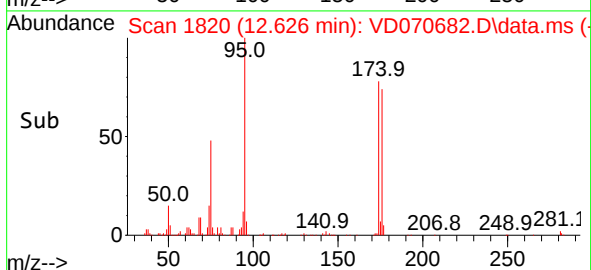
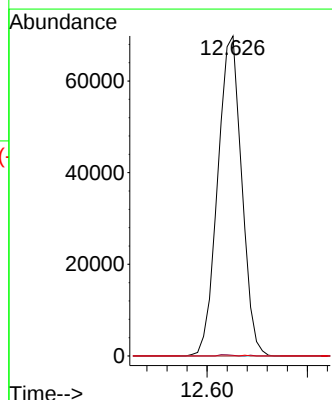
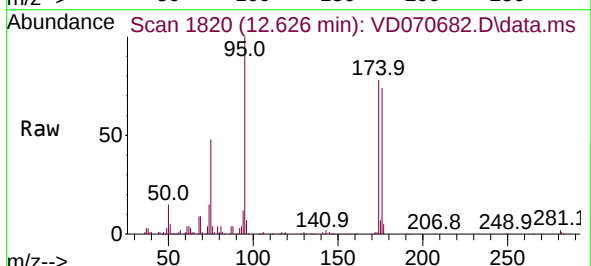
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

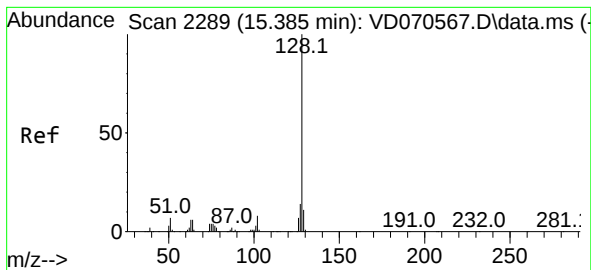
Tgt Ion: 75 Resp: 115897
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.953 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Tgt Ion: 75 Resp: 115897
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.497 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070682.D
Acq: 12 Oct 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27080

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

