

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071499.D
 Acq On : 28 Dec 2021 13:25
 Operator : VA/SY
 Sample : M5190-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26598

Quant Time: Dec 28 15:08:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

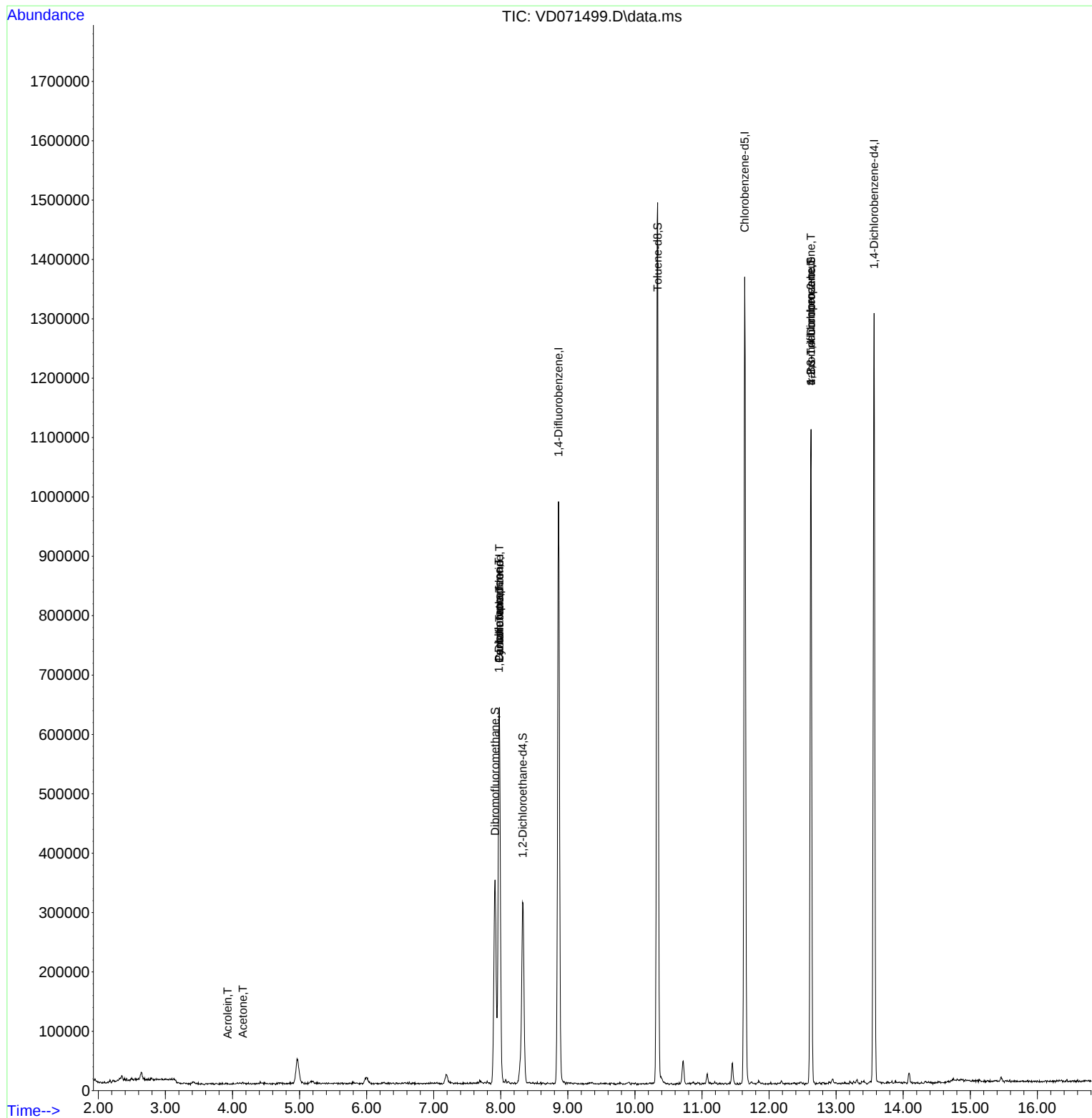
Internal Standards						
1) Pentafluorobenzene	7.979	168	447896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	778589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	712585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244860	41.164	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.320%
35) Dibromofluoromethane	7.914	113	239838	45.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.660%
50) Toluene-d8	10.338	98	968748	48.990	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.980%
62) 4-Bromofluorobenzene	12.626	95	320032	45.544	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	4245	Below Cal	#	75
13) Acrolein	3.926	56	303	1.054	ug/l #	13
16) Acetone	4.156	43	2485	1.663	ug/l #	86
20) Methylene Chloride	4.973	84	29703	Below Cal	#	90
31) Cyclohexane	7.979	56	12984	1.285	ug/l #	17
36) 1,1-Dichloropropene	7.973	75	40950	4.898	ug/l #	43
38) Carbon Tetrachloride	7.979	117	50120	6.077	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	182225	49.528	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	182225	139.942	ug/l #	18

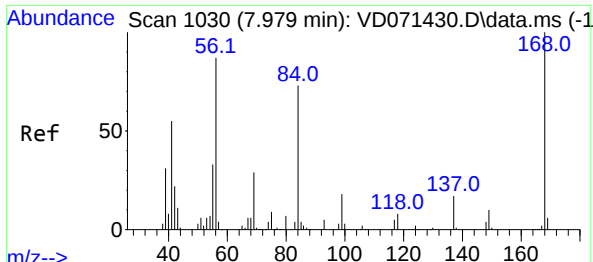
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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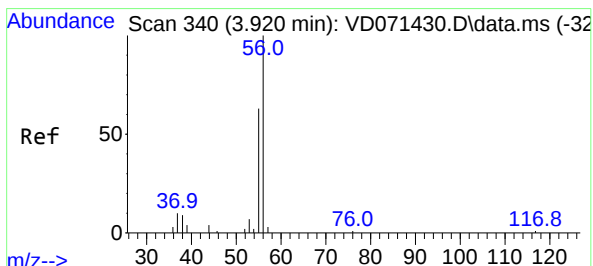
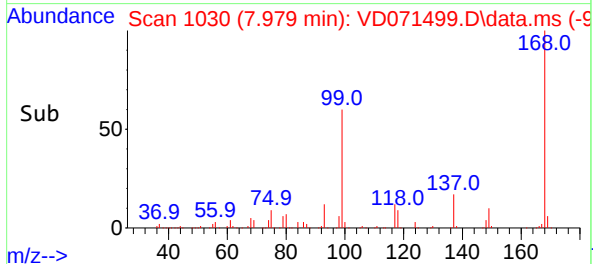
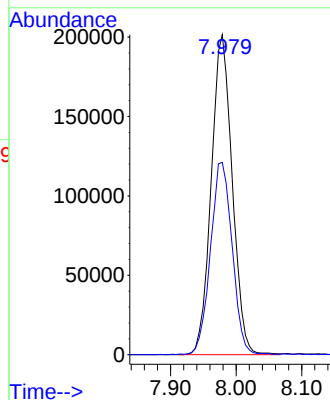
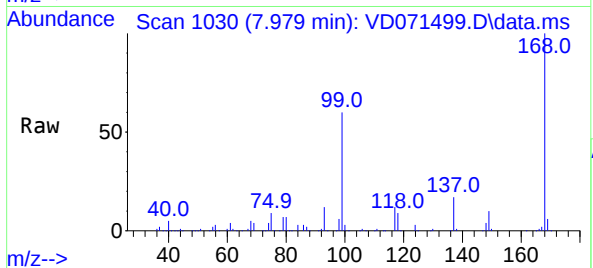




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

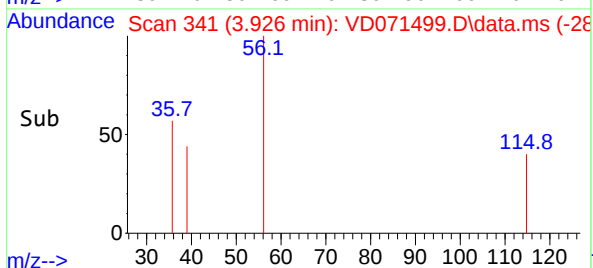
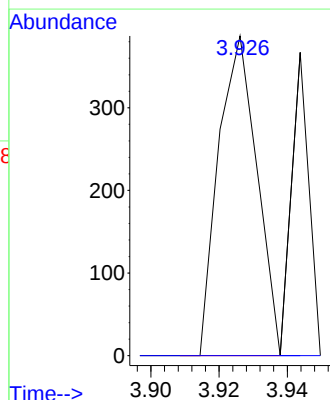
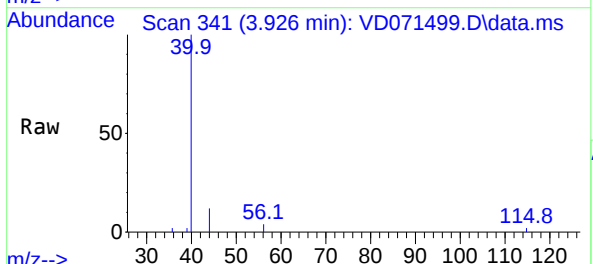
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

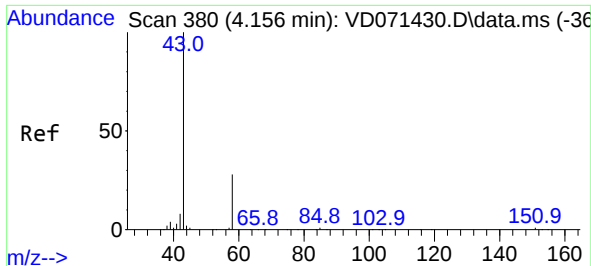
Tgt Ion:168 Resp: 447896
Ion Ratio Lower Upper
168 100
99 60.0 46.6 69.8



#13
Acrolein
Concen: 1.054 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.012 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

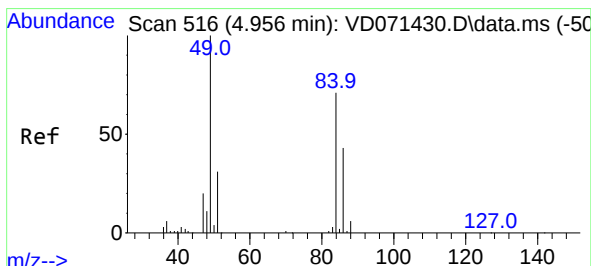
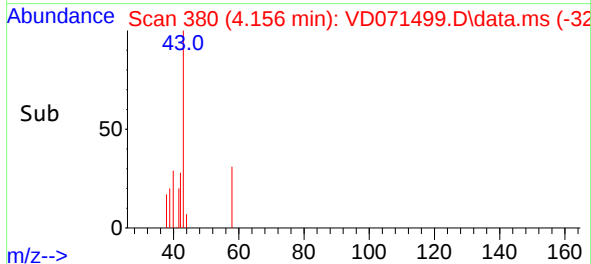
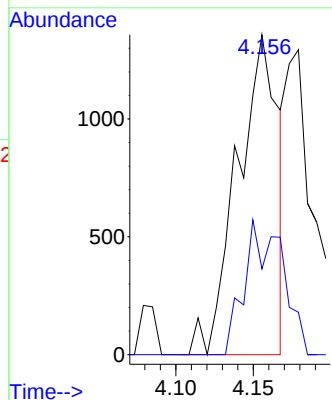
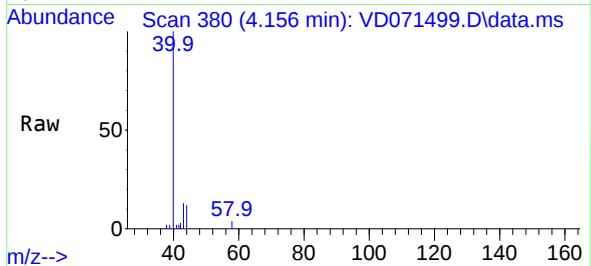




#16
Acetone
Concen: 1.663 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

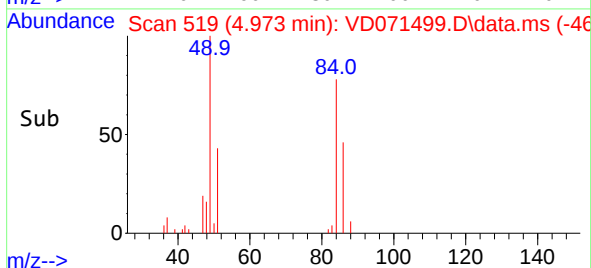
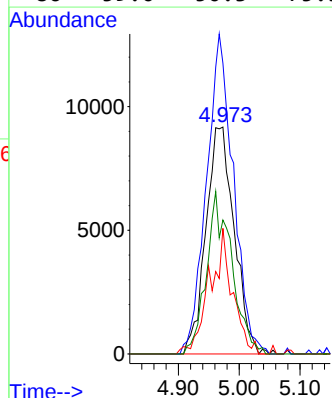
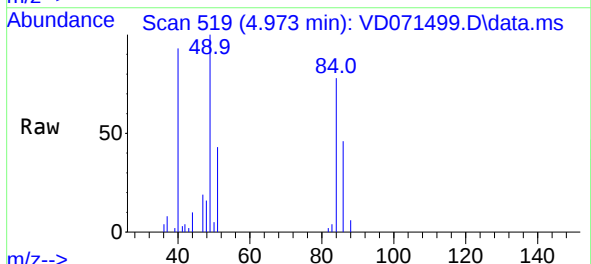
Instrument :
MSVOA_D
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CHRT-26598

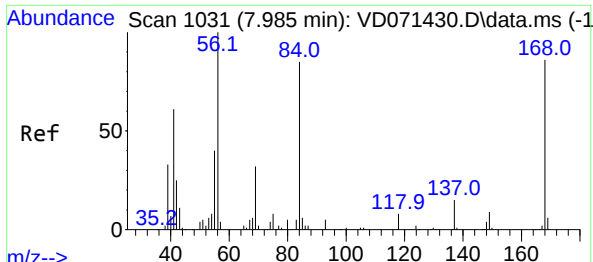
Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 26.8 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

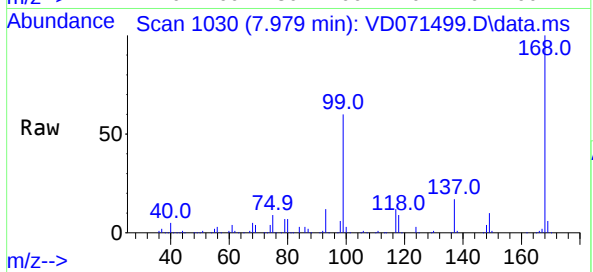
Tgt Ion: 84 Resp: 29703
Ion Ratio Lower Upper
84 100
49 128.1 95.8 143.6
51 55.4 30.9 46.3#
86 59.0 50.3 75.5



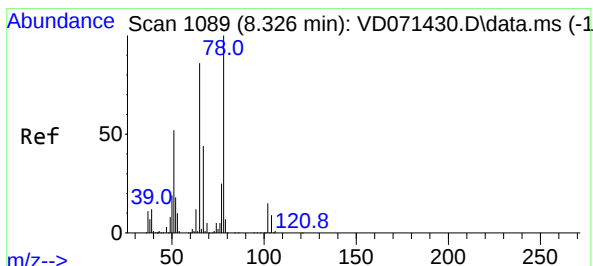
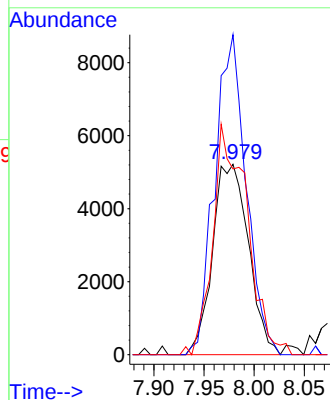
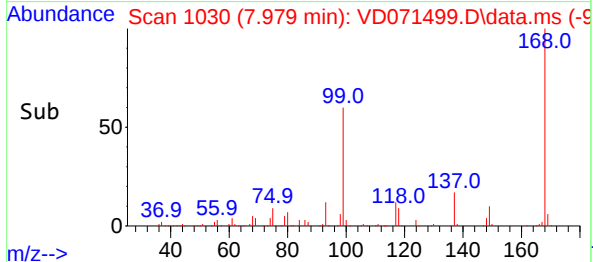


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

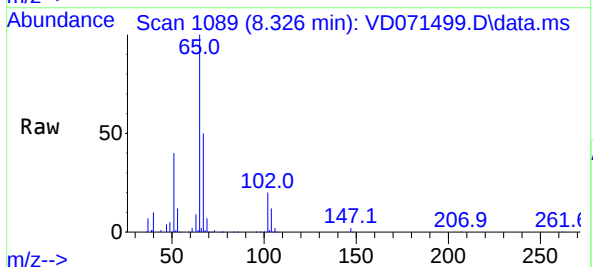
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598



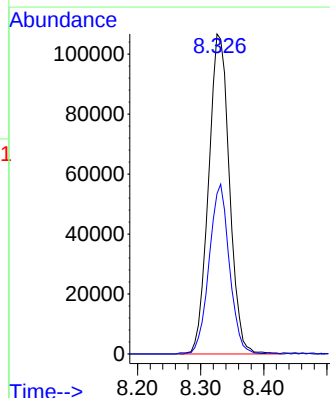
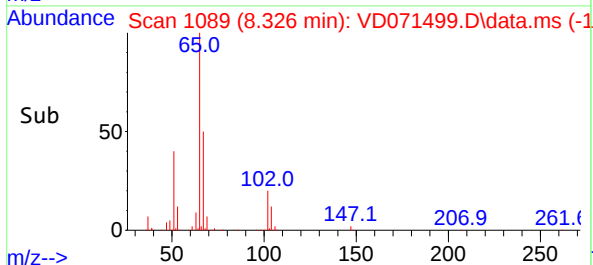
Tgt Ion: 56 Resp: 12984
Ion Ratio Lower Upper
56 100
69 168.0 25.9 38.9#
84 97.6 64.3 96.5#

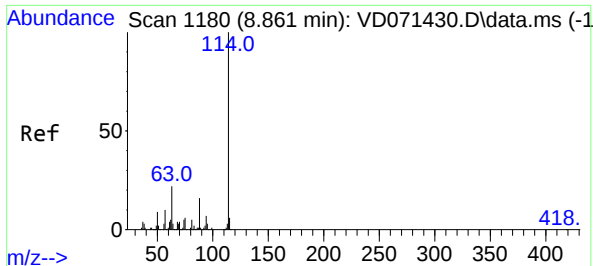


#33
1,2-Dichloroethane-d4
Concen: 41.164 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25



Tgt Ion: 65 Resp: 244860
Ion Ratio Lower Upper
65 100
67 51.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26598

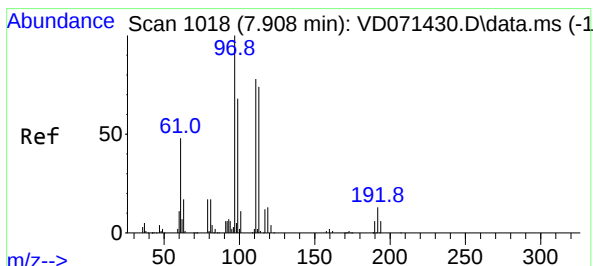
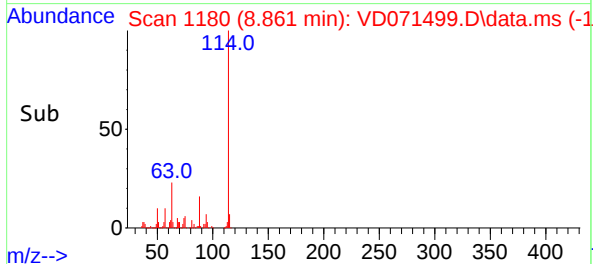
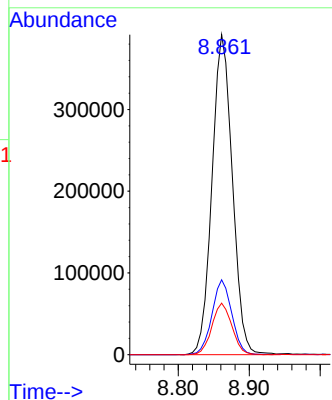
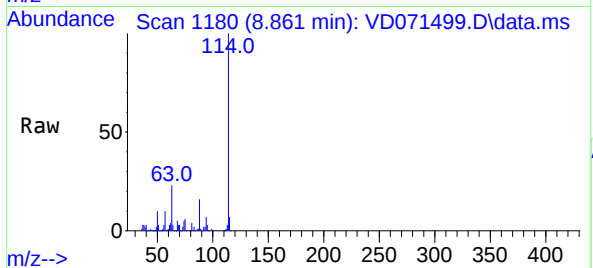
Tgt Ion:114 Resp: 778589

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.834 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

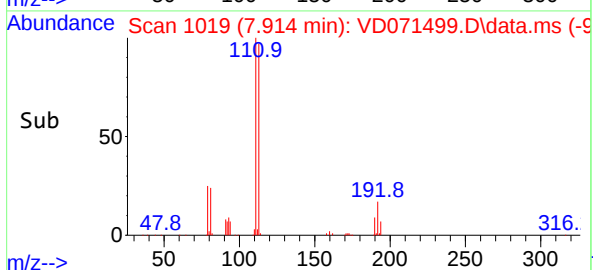
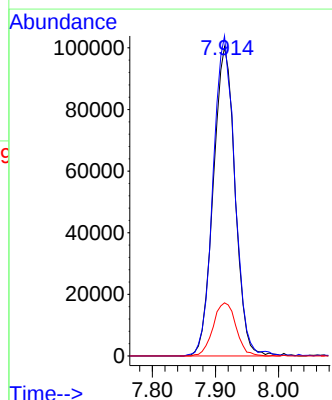
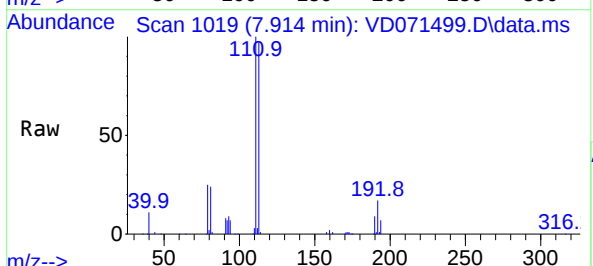
Tgt Ion:113 Resp: 239838

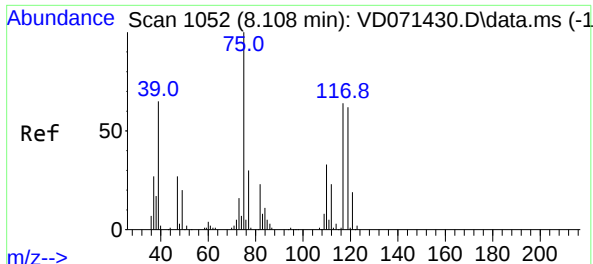
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26598

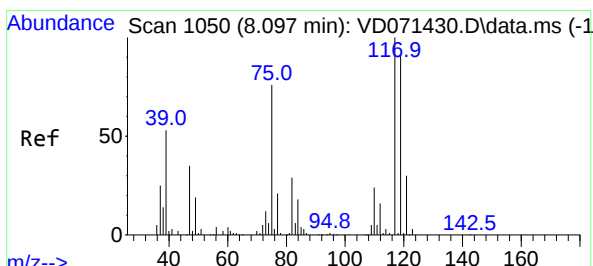
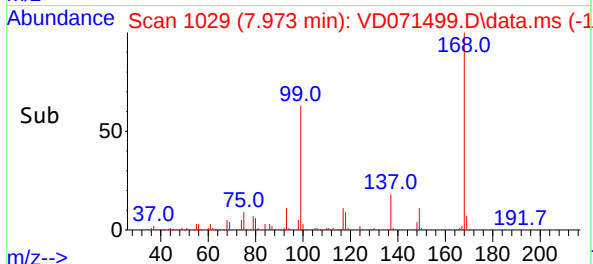
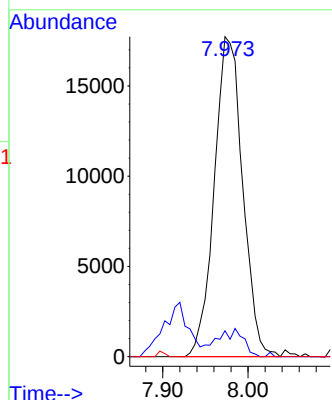
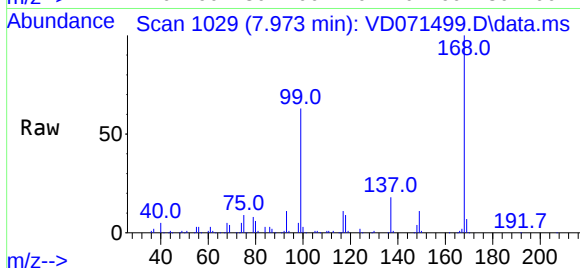
Tgt Ion: 75 Resp: 40950

Ion Ratio Lower Upper

75 100

110 1.6 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.077 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

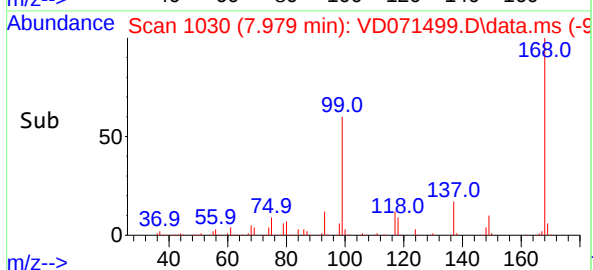
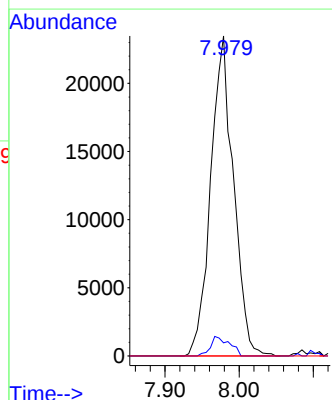
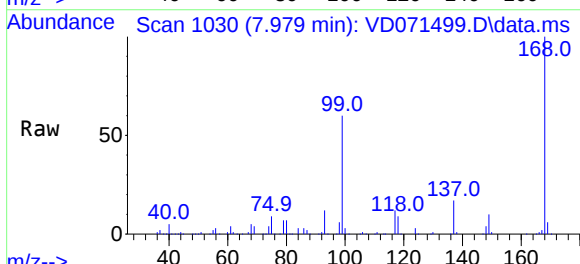
Tgt Ion: 117 Resp: 50120

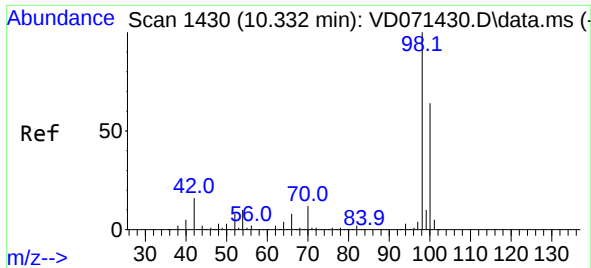
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 23.6 35.4#

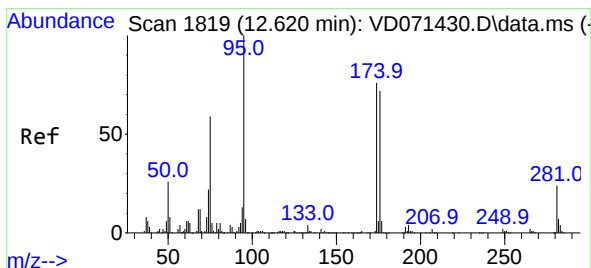
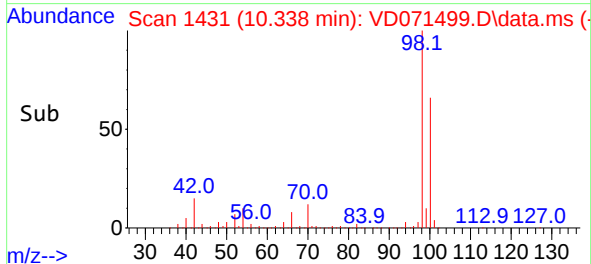
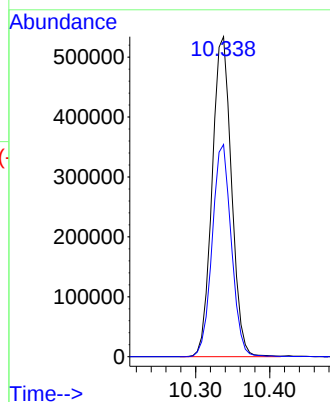
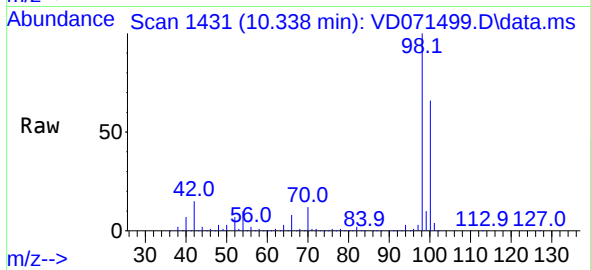




#50
Toluene-d8
Concen: 48.990 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

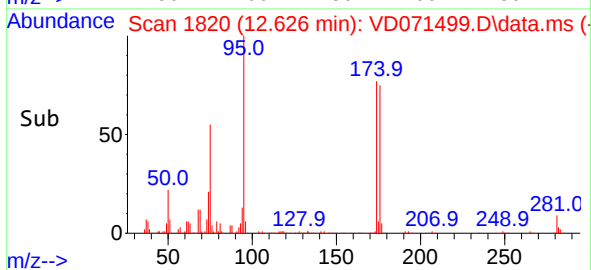
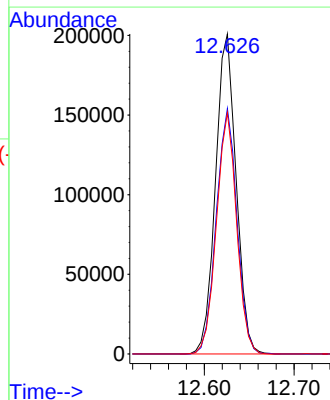
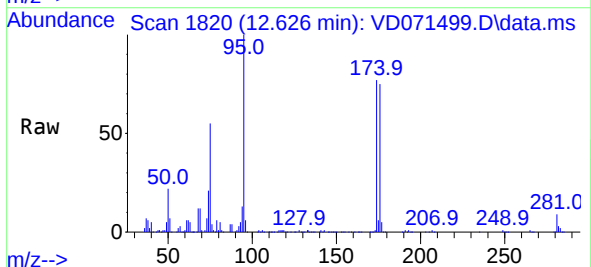
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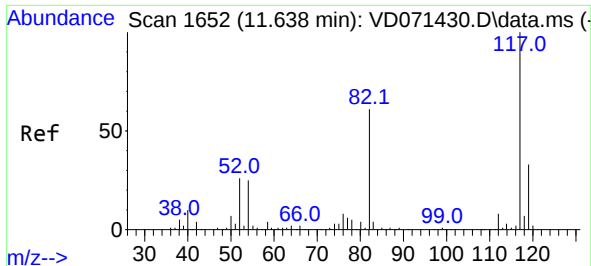
Tgt Ion: 98 Resp: 968748
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 45.544 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

Tgt Ion: 95 Resp: 320032
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 73.7 0.0 154.0

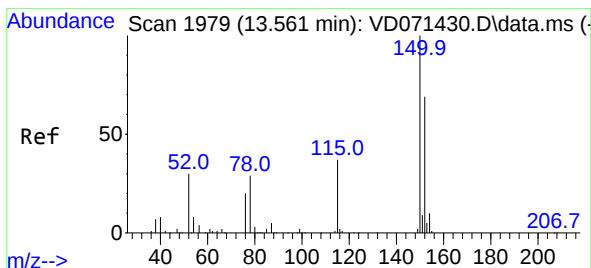
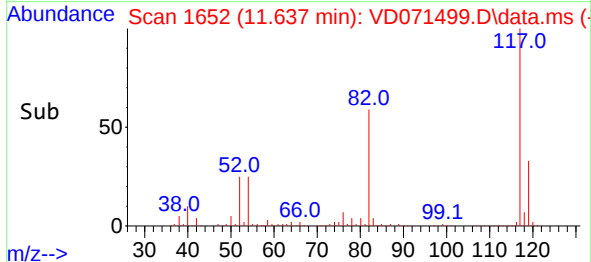
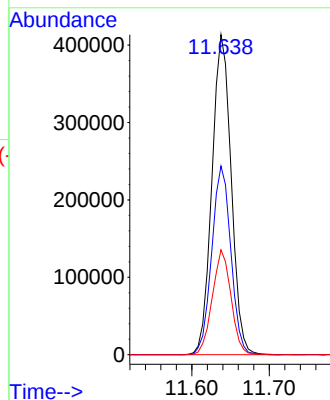
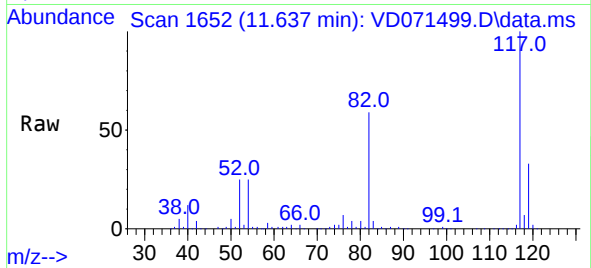




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

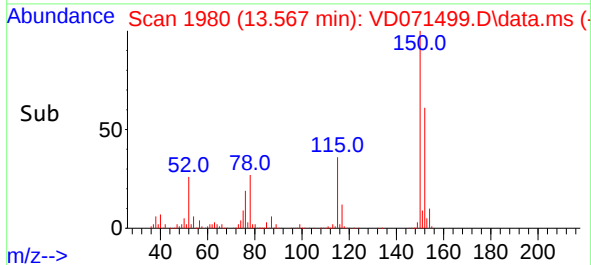
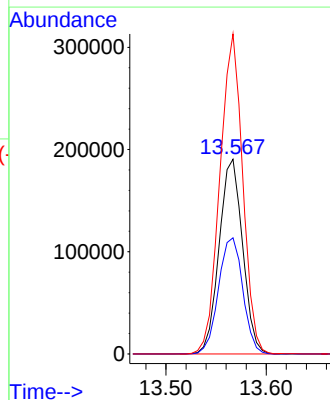
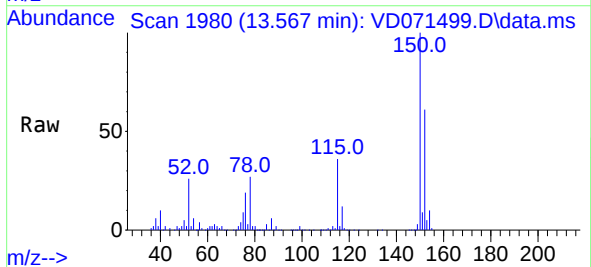
Instrument :
MSVOA_D
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CHRT-26598

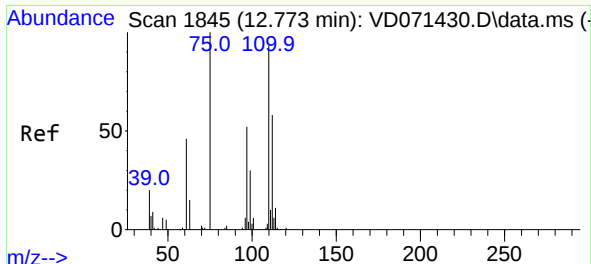
Tgt Ion:117 Resp: 712585
Ion Ratio Lower Upper
117 100
82 59.0 44.7 67.1
119 32.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

Tgt Ion:152 Resp: 309654
Ion Ratio Lower Upper
152 100
115 61.8 29.8 89.3
150 160.0 0.0 349.2

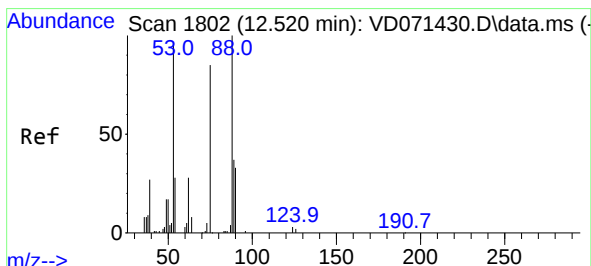
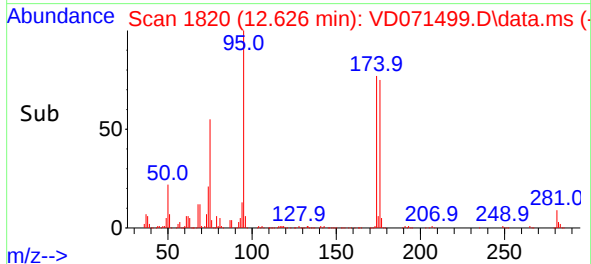
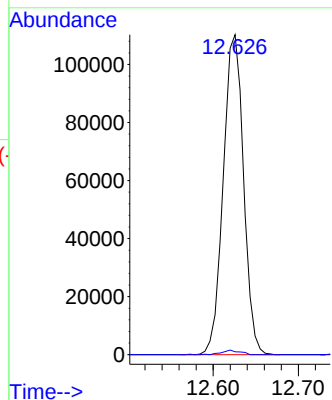
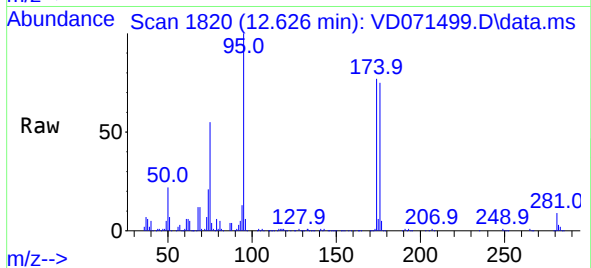




#76
1,2,3-Trichloropropane
Concen: 49.528 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

Tgt Ion: 75 Resp: 182225
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.942 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071499.D
Acq: 28 Dec 2021 13:25

Tgt Ion: 75 Resp: 182225
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.2 34.5 51.7#

