

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071464.D
 Acq On : 25 Dec 2021 18:08
 Operator : VA/SY
 Sample : M5191-01
 Misc : 6.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(0-3.5)-12-21-2021

Quant Time: Dec 27 00:51:16 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)

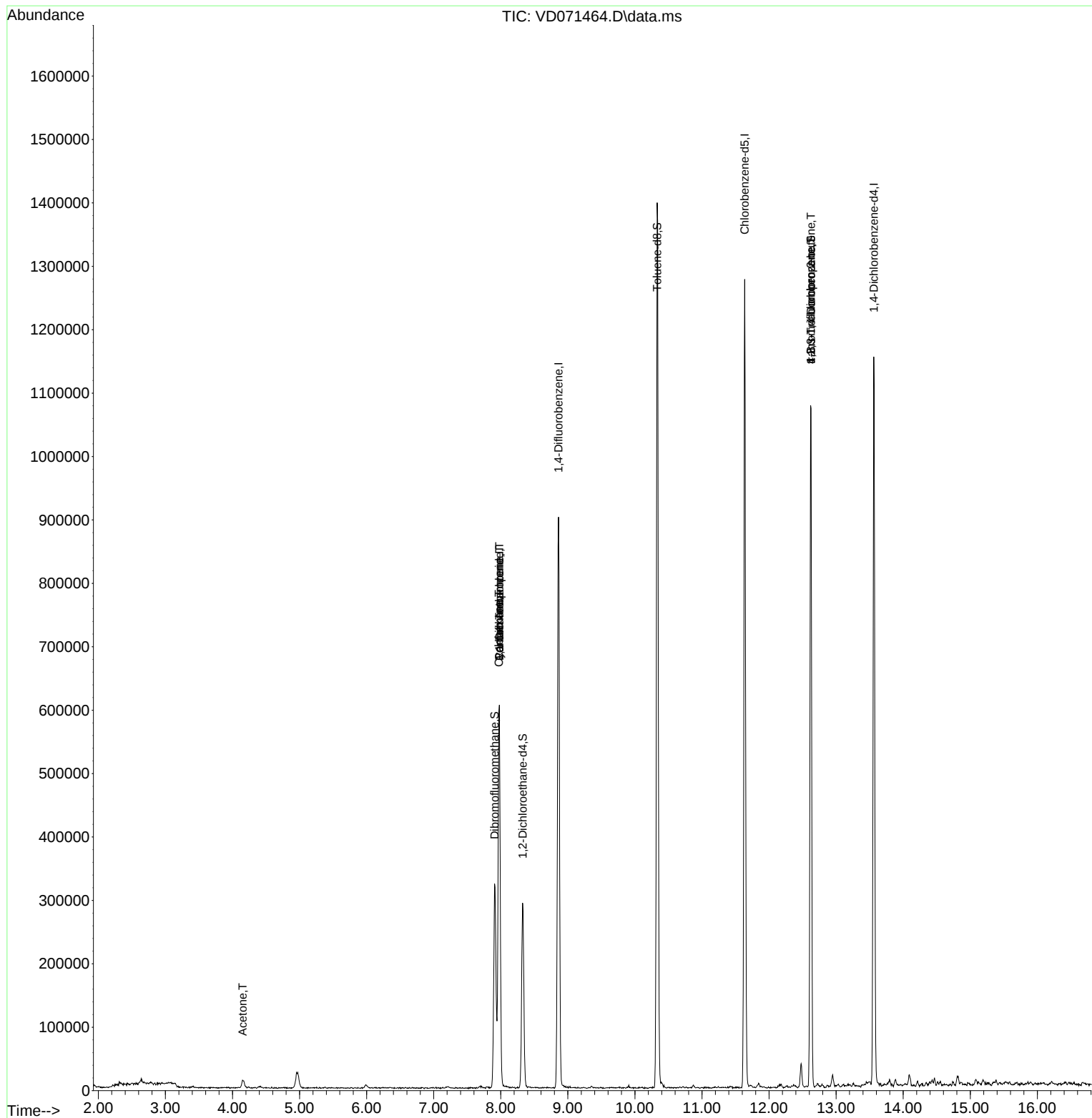
Internal Standards						
1) Pentafluorobenzene	7.979	168	421713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	736270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	652209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	279243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234733	41.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.820%
35) Dibromofluoromethane	7.908	113	221187	44.700	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.400%
50) Toluene-d8	10.332	98	914950	48.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.626	95	295546	44.477	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.209	59	274	Below Cal	#	71
16) Acetone	4.150	43	22087	15.700	ug/l #	81
20) Methylene Chloride	4.956	84	7711	Below Cal		89
31) Cyclohexane	7.973	56	12881	1.354	ug/l #	31
36) 1,1-Dichloropropene	7.979	75	38394	4.857	ug/l #	50
38) Carbon Tetrachloride	7.979	117	46025	5.901	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	168047	50.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	168047	143.109	ug/l #	18

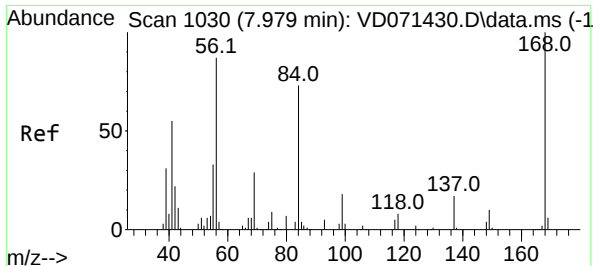
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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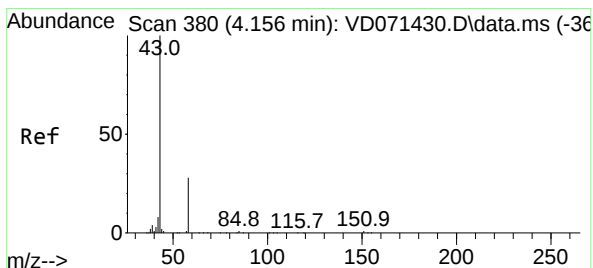
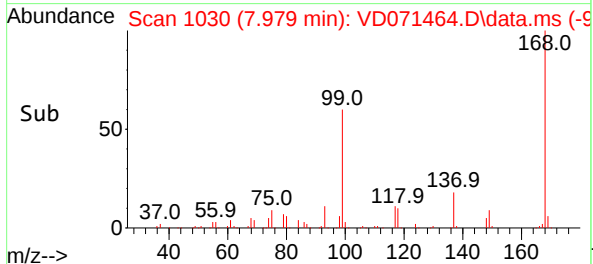
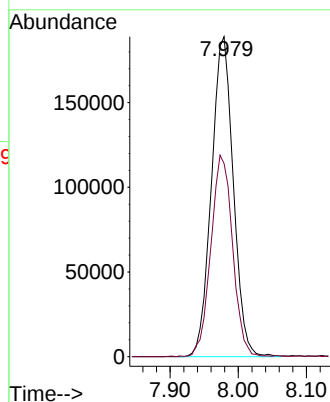
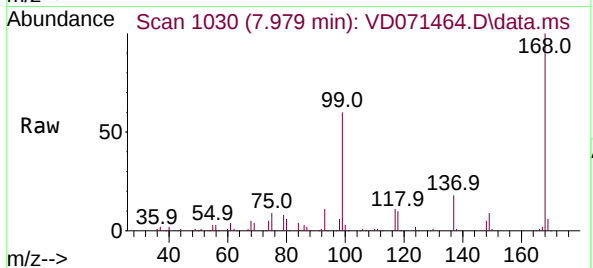




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

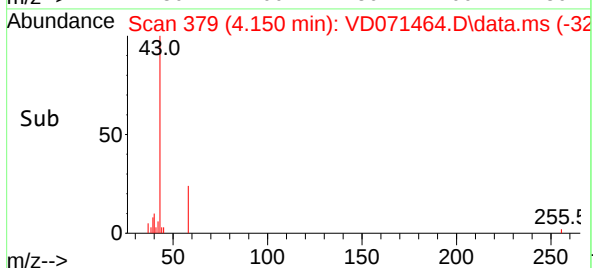
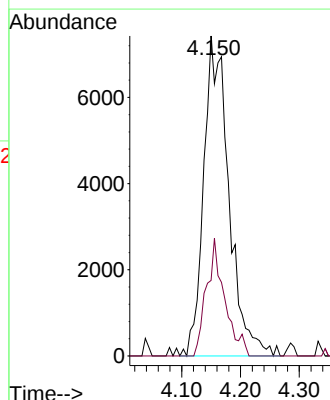
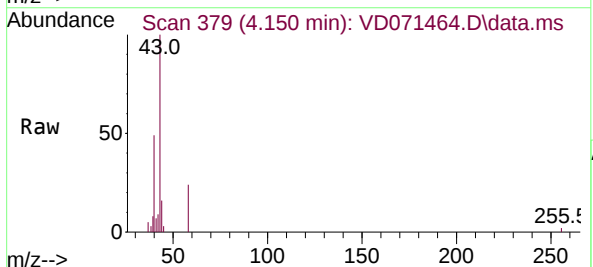
Instrument :
MSVOA_D
ClientSampleId :
TP-(0-3.5)-12-21-2021

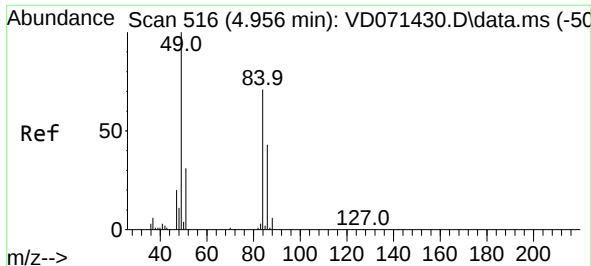
Tgt Ion:168 Resp: 421713
Ion Ratio Lower Upper
168 100
99 60.2 46.6 69.8



#16
Acetone
Concen: 15.700 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Tgt Ion: 43 Resp: 22087
Ion Ratio Lower Upper
43 100
58 23.6 27.8 41.8#



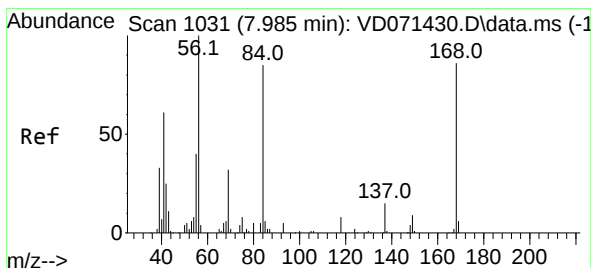
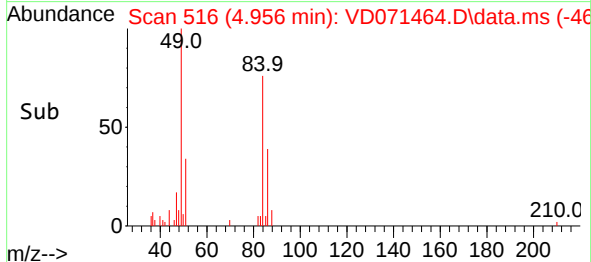
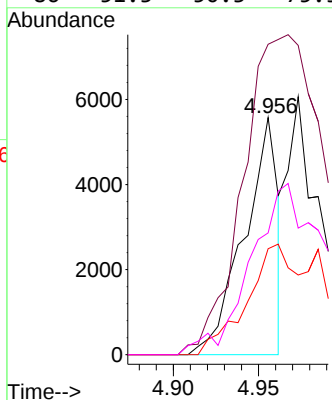
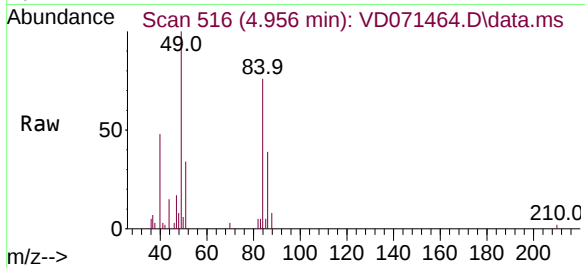


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :
TP-(0-3.5)-12-21-2021

Tgt Ion: 84 Resp: 7711

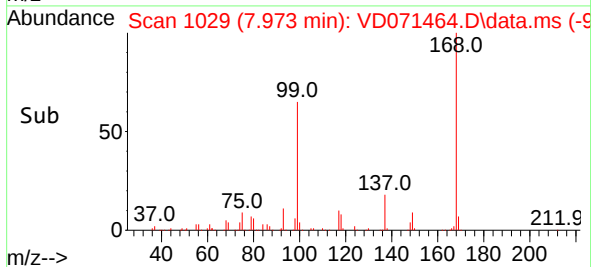
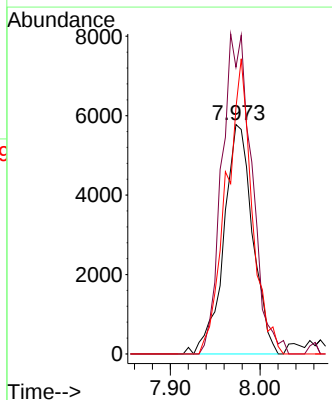
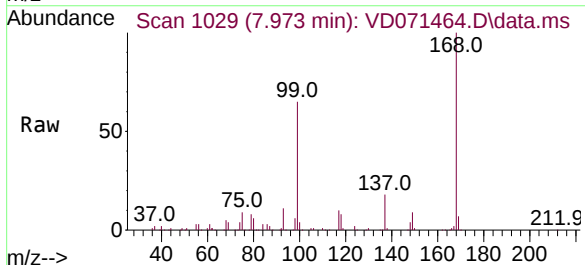
Ion	Ratio	Lower	Upper
84	100		
49	130.9	95.8	143.6
51	44.7	30.9	46.3
86	51.3	50.3	75.5

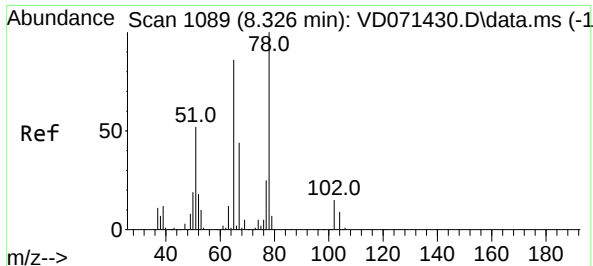


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Tgt Ion: 56 Resp: 12881

Ion	Ratio	Lower	Upper
56	100		
69	124.9	25.9	38.9#
84	107.3	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 41.911 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071464.D

Acq: 25 Dec 2021 18:08

Instrument :

MSVOA_D

ClientSampleId :

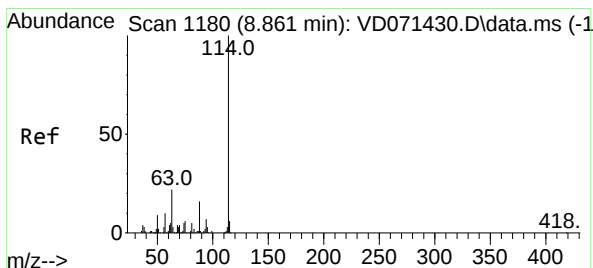
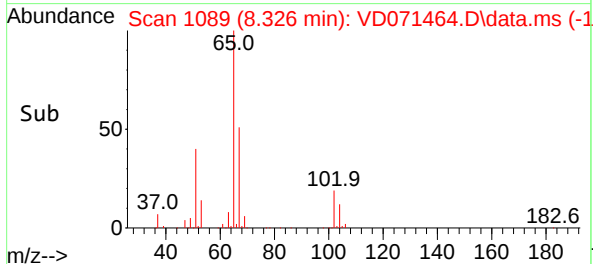
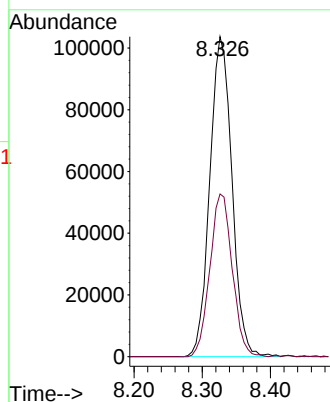
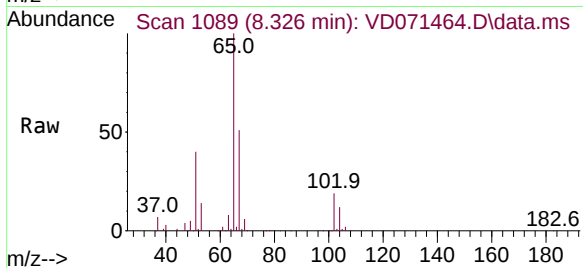
TP-(0-3.5)-12-21-2021

Tgt Ion: 65 Resp: 234733

Ion Ratio Lower Upper

65 100

67 51.3 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: VD071464.D

Acq: 25 Dec 2021 18:08

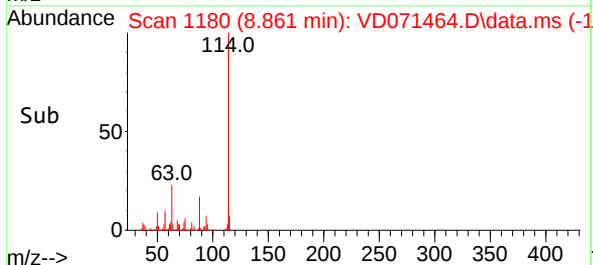
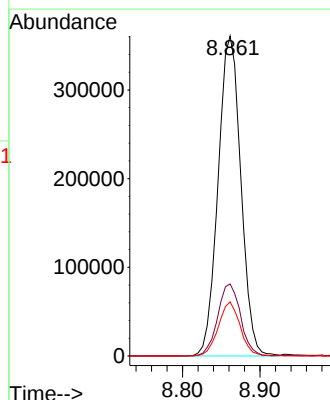
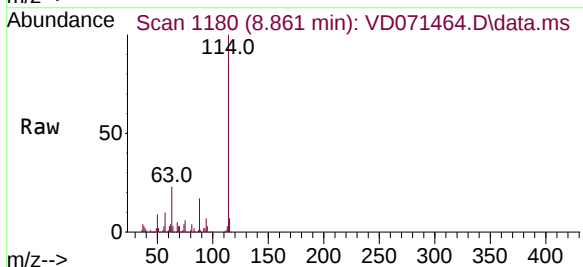
Tgt Ion: 114 Resp: 736270

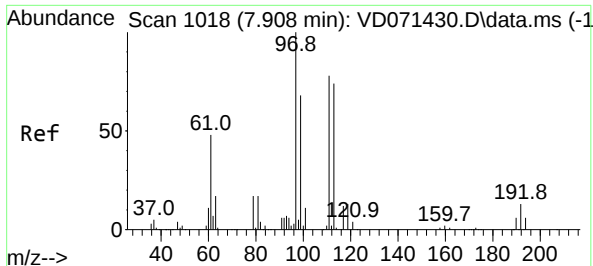
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.700 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD071464.D

Acq: 25 Dec 2021 18:08

Instrument :

MSVOA_D

ClientSampleId :

TP-(0-3.5)-12-21-2021

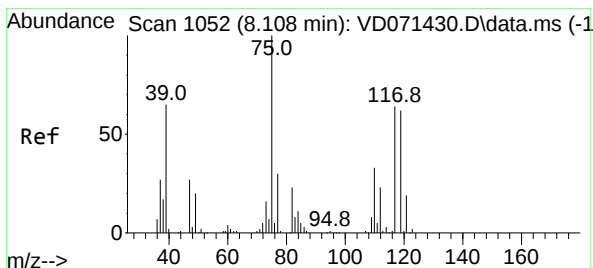
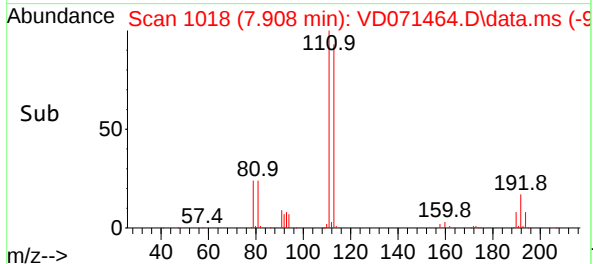
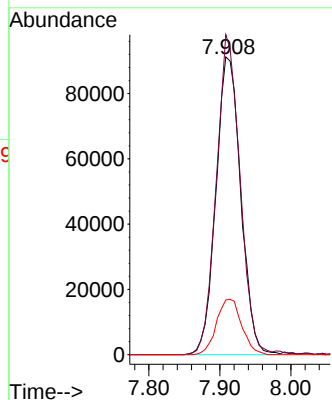
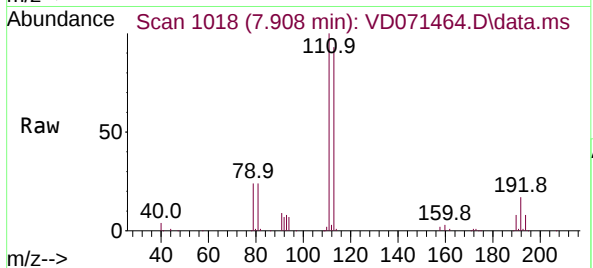
Tgt Ion:113 Resp: 221187

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071464.D

Acq: 25 Dec 2021 18:08

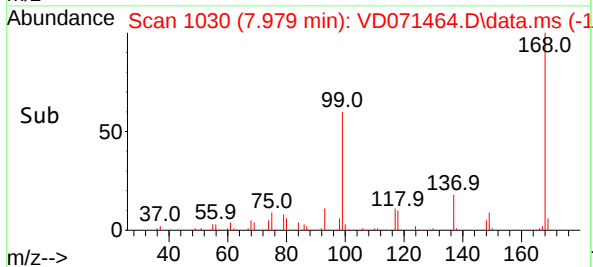
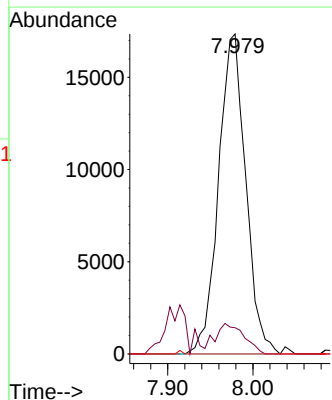
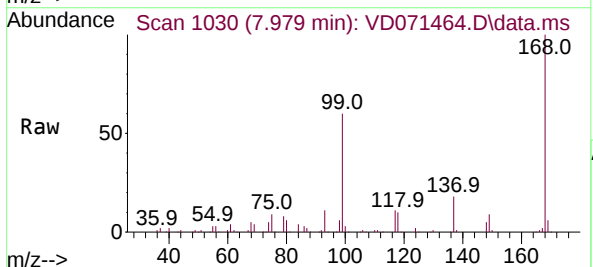
Tgt Ion: 75 Resp: 38394

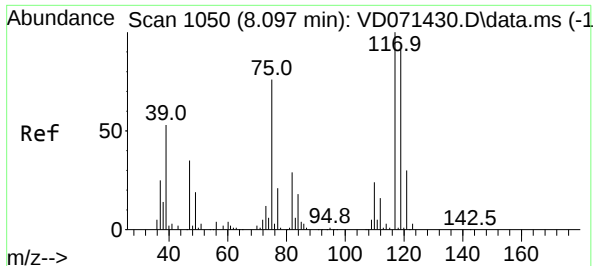
Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.4#

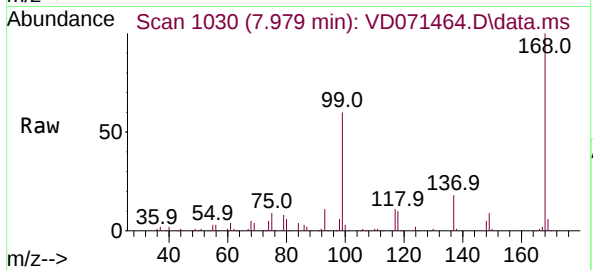
77 0.0 24.8 37.2#



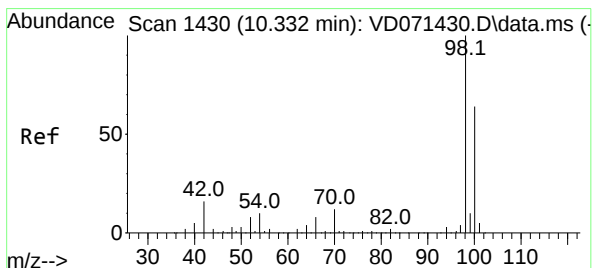
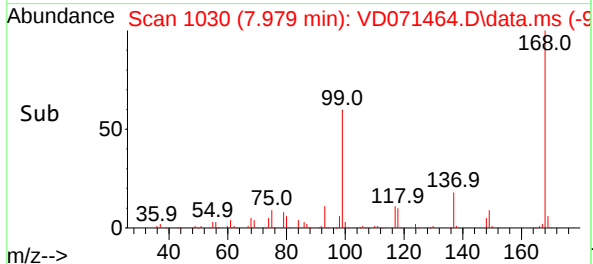
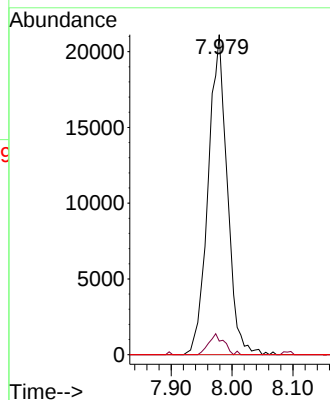


#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :
TP-(0-3.5)-12-21-2021

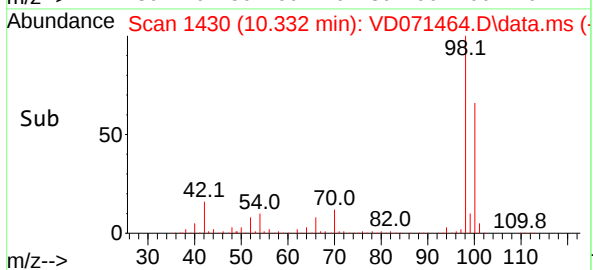
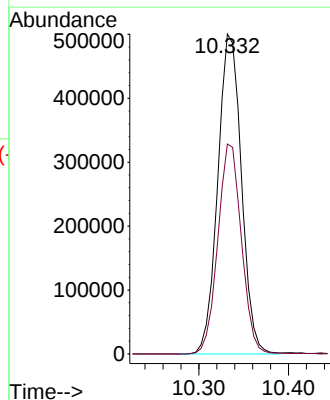
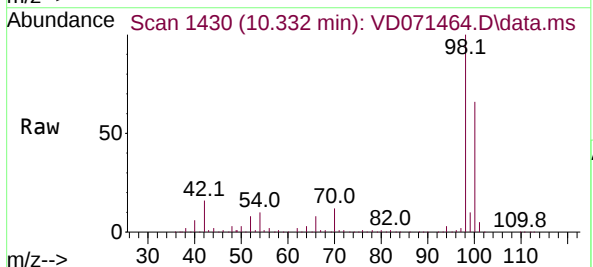


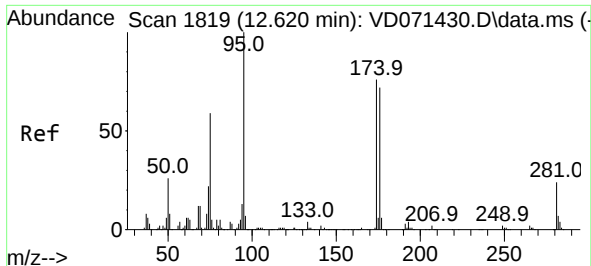
Tgt Ion:117 Resp: 46025
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 48.928 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Tgt Ion: 98 Resp: 914950
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6

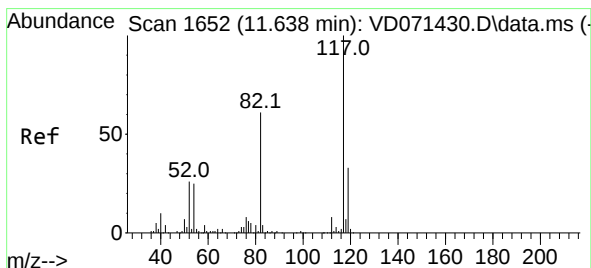
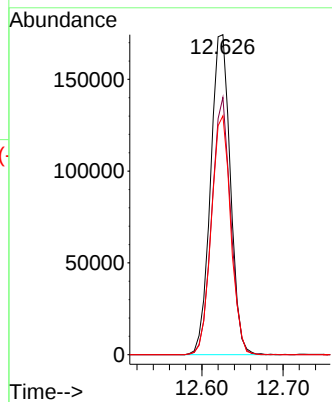
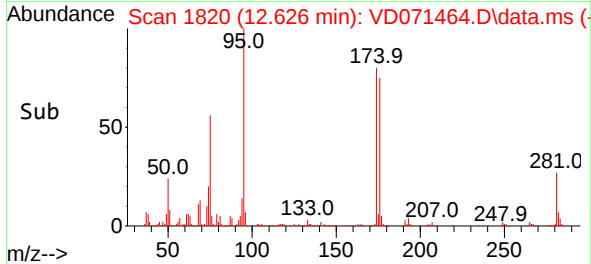
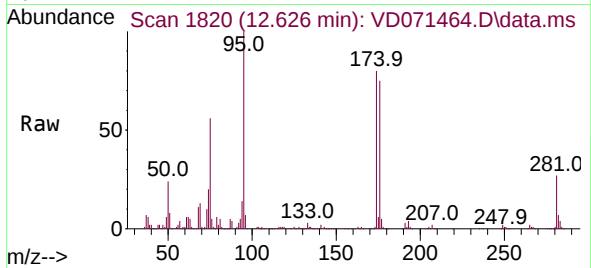




#62
4-Bromofluorobenzene
Concen: 44.477 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

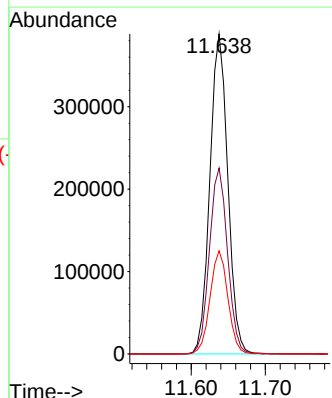
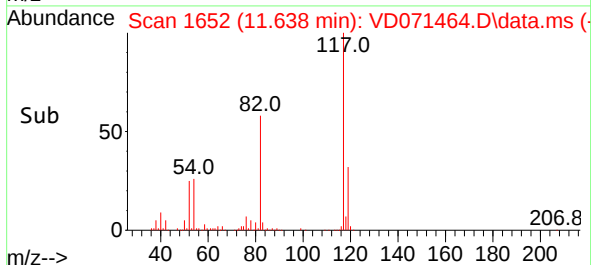
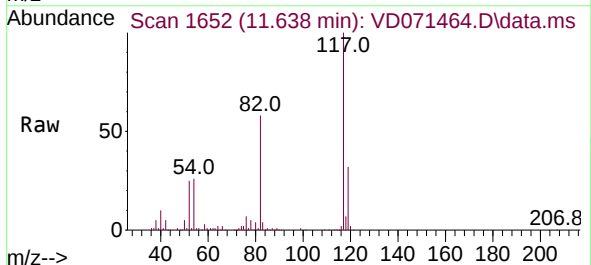
Instrument :
MSVOA_D
ClientSampleId :
TP-(0-3.5)-12-21-2021

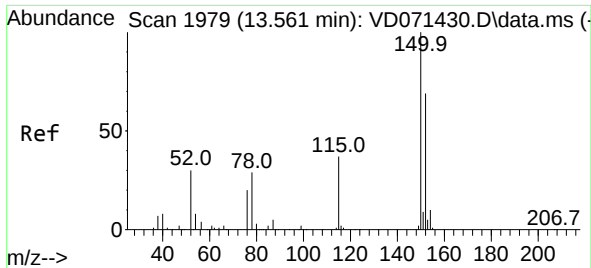
Tgt Ion:	95	Resp:	295546
Ion Ratio	Lower	Upper	
95	100		
174	76.4	0.0	159.4
176	73.2	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071464.D
Acq: 25 Dec 2021 18:08

Tgt Ion:	117	Resp:	652209
Ion Ratio	Lower	Upper	
117	100		
82	58.1	44.7	67.1
119	32.3	26.2	39.4

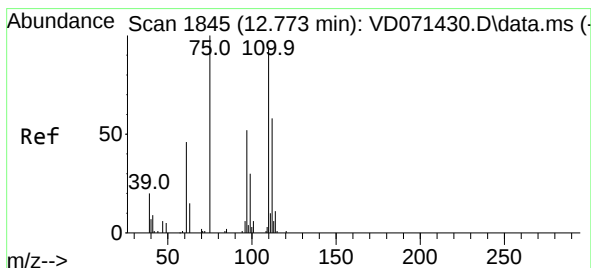
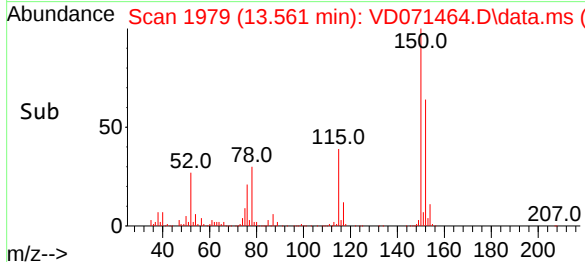
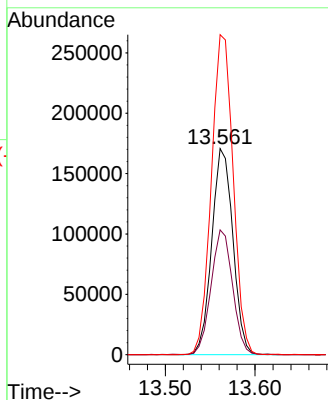
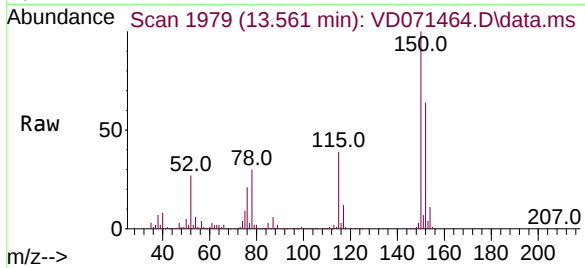




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD071464.D
 Acq: 25 Dec 2021 18:08

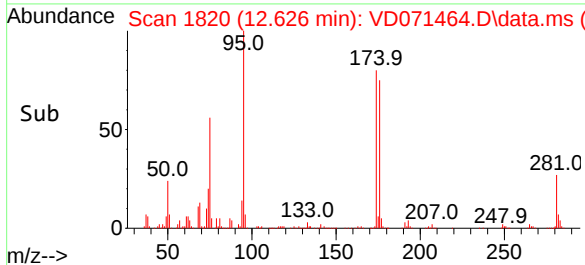
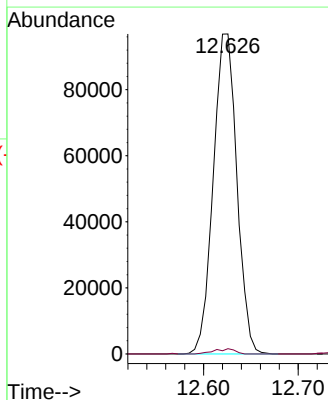
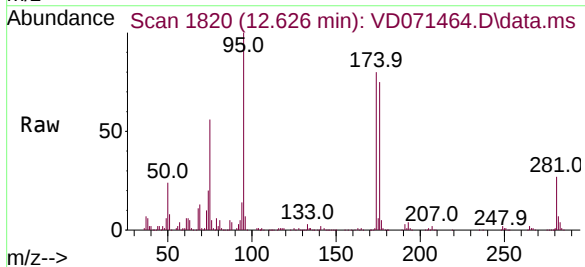
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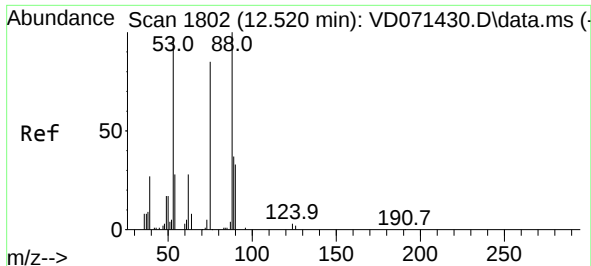
Tgt Ion:152 Resp: 279243
 Ion Ratio Lower Upper
 152 100
 115 61.6 29.8 89.3
 150 160.1 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 50.648 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071464.D
 Acq: 25 Dec 2021 18:08

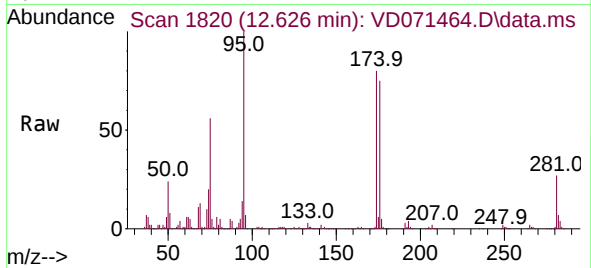
Tgt Ion: 75 Resp: 168047
 Ion Ratio Lower Upper
 75 100
 77 1.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.109 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071464.D
 Acq: 25 Dec 2021 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(0-3.5)-12-21-2021



Tgt Ion: 75 Resp: 168047
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.0 34.5 51.7#

