

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
 Data File : VD071452.D
 Acq On : 23 Dec 2021 19:33
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 24 03:32:48 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)

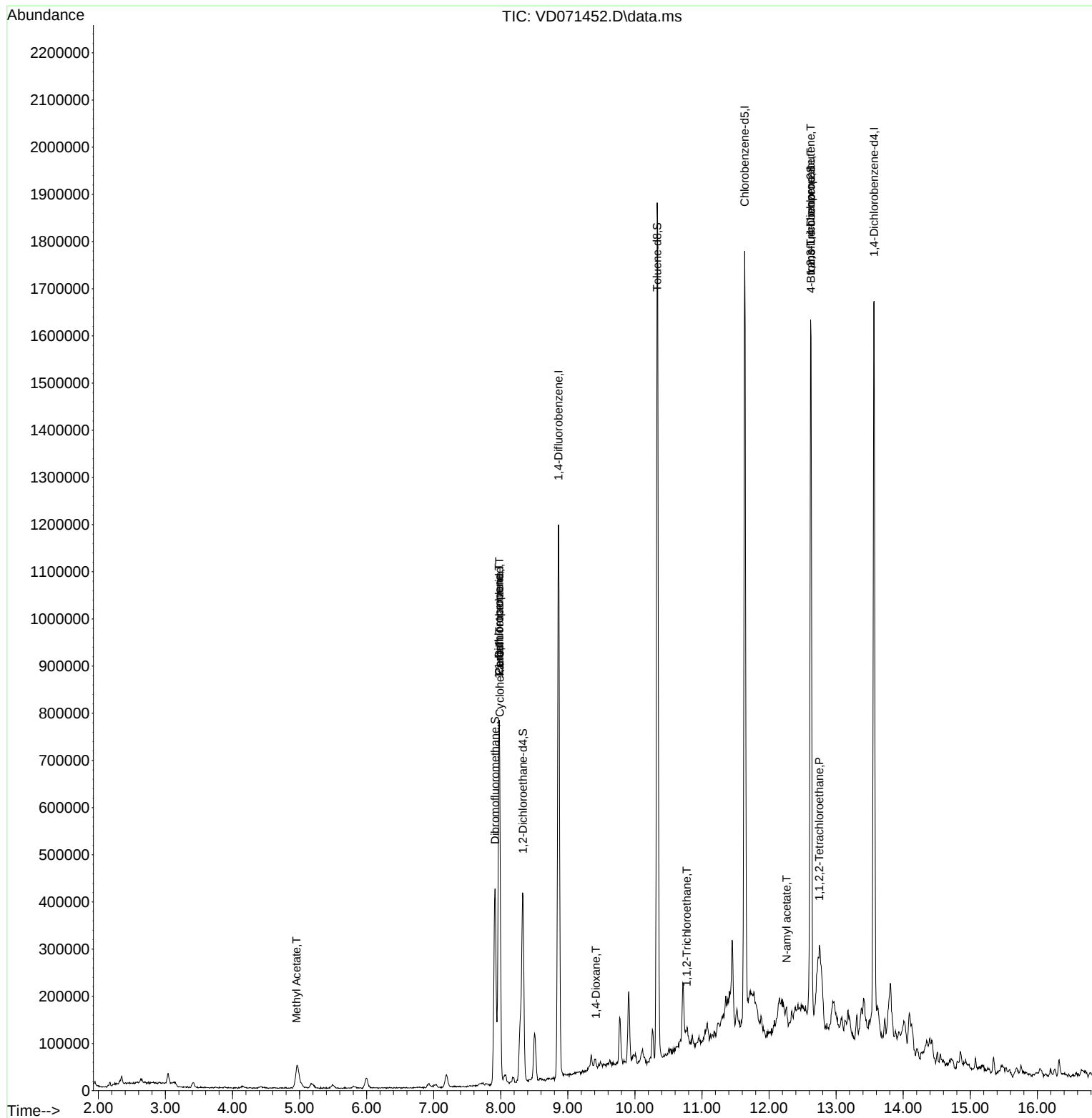
Internal Standards						
1) Pentafluorobenzene	7.979	168	538540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	924468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	850707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	387155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	313170	43.786	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.580%
35) Dibromofluoromethane	7.914	113	289402	46.579	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.160%
50) Toluene-d8	10.332	98	1171413	49.891	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.780%
62) 4-Bromofluorobenzene	12.626	95	403101	48.313	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	5264	Below Cal	#	77
18) Methyl Acetate	4.956	43	7397	1.334	ug/l #	51
20) Methylene Chloride	4.967	84	29069	Below Cal		88
31) Cyclohexane	7.985	56	17002	1.399	ug/l #	40
36) 1,1-Dichloropropene	7.973	75	50093	5.046	ug/l #	52
38) Carbon Tetrachloride	7.979	117	60449	6.173	ug/l #	15
49) 1,4-Dioxane	9.420	88	80	1.851	ug/l #	1
55) 1,1,2-Trichloroethane	10.773	97	6816	1.404	ug/l #	25
74) N-amyl acetate	12.261	43	9184	1.147	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.749	83	48230	8.938	ug/l #	30
76) 1,2,3-Trichloropropane	12.620	75	233835	50.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	233835	143.629	ug/l #	19

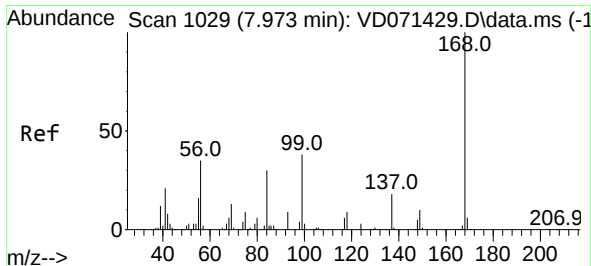
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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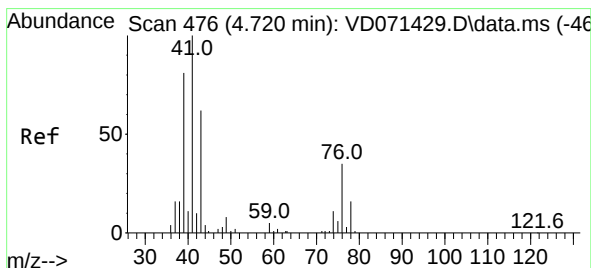
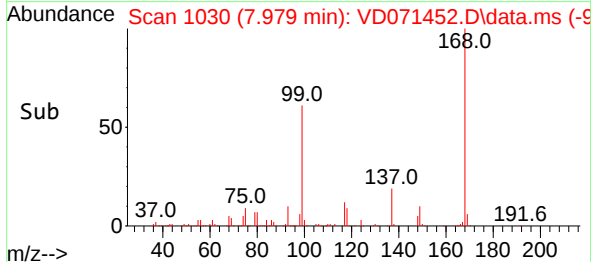
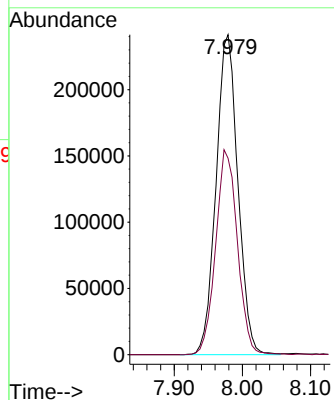
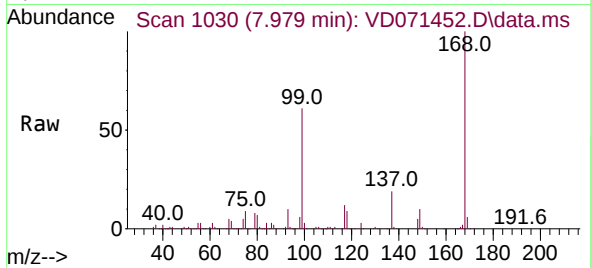




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

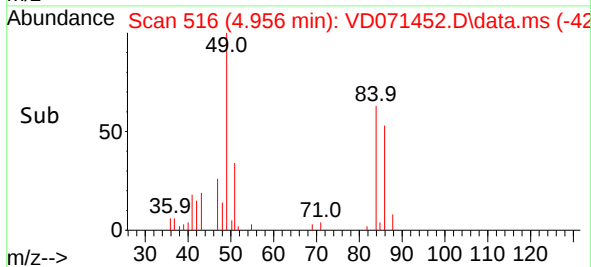
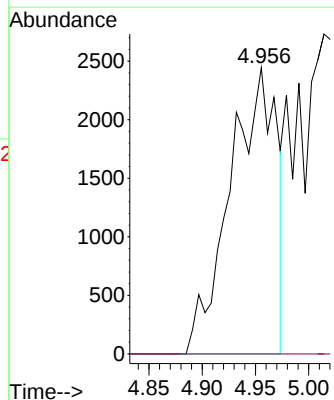
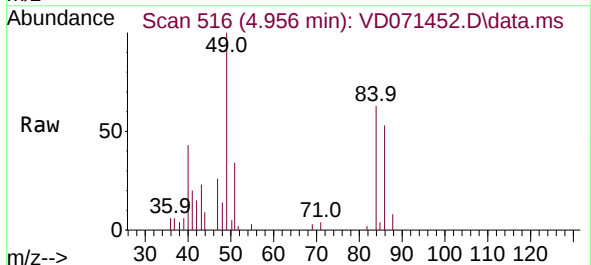
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

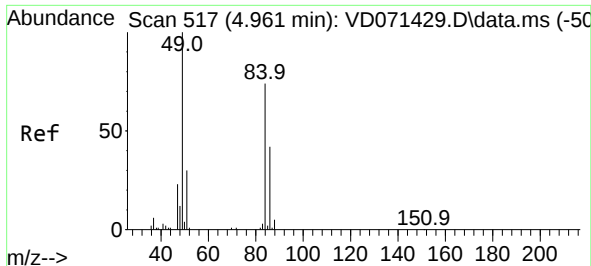
Tgt Ion:168 Resp: 538540
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#18
Methyl Acetate
Concen: 1.334 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.236 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion: 43 Resp: 7397
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

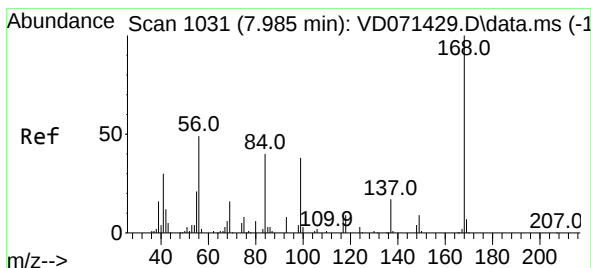
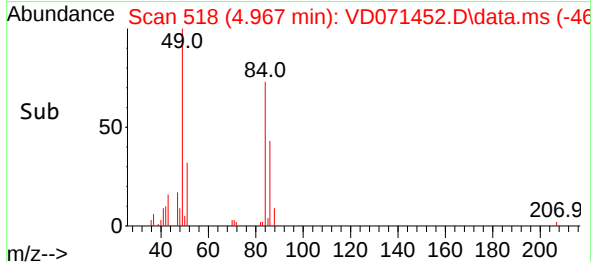
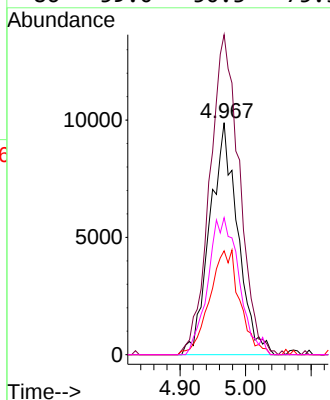
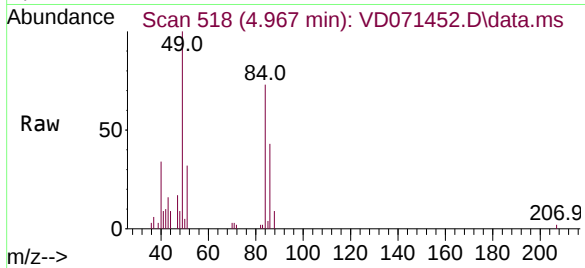




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

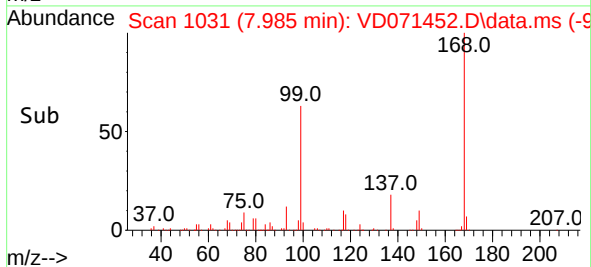
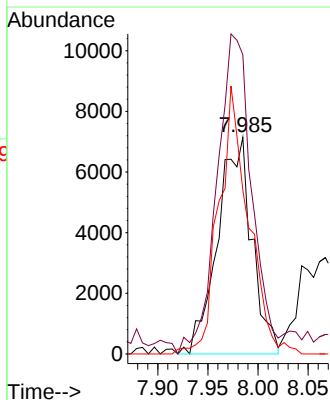
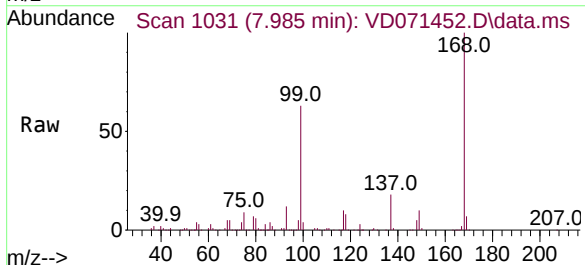
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

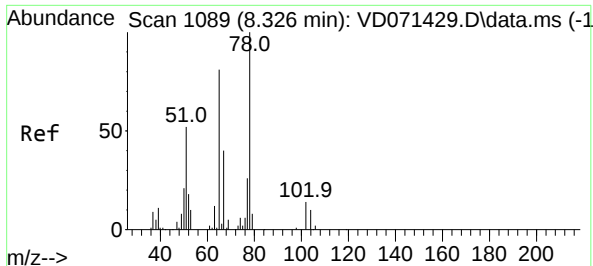
Tgt Ion:	84	Resp:	29069
Ion	Ratio	Lower	Upper
84	100		
49	137.9	95.8	143.6
51	44.7	30.9	46.3
86	59.0	50.3	75.5



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion:	56	Resp:	17002
Ion	Ratio	Lower	Upper
56	100		
69	138.2	25.9	38.9#
84	73.4	64.3	96.5





#33

1,2-Dichloroethane-d4

Concen: 43.786 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071452.D

Acq: 23 Dec 2021 19:33

Instrument :

MSVOA_D

ClientSampleId :

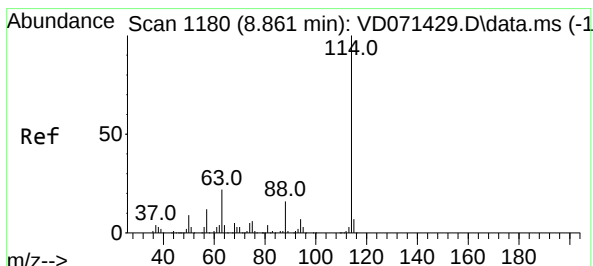
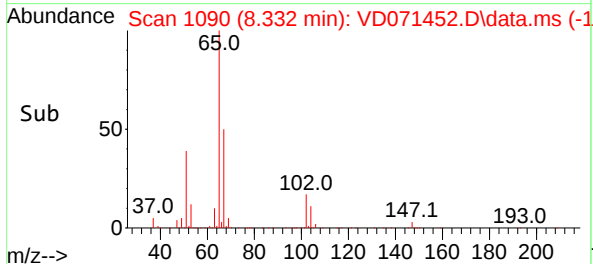
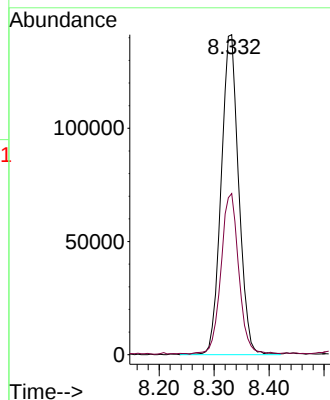
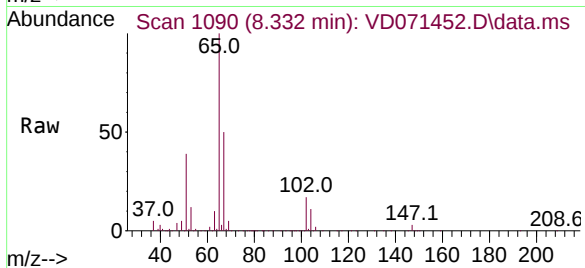
VIBLK

Tgt Ion: 65 Resp: 313170

Ion Ratio Lower Upper

65 100

67 50.7 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: VD071452.D

Acq: 23 Dec 2021 19:33

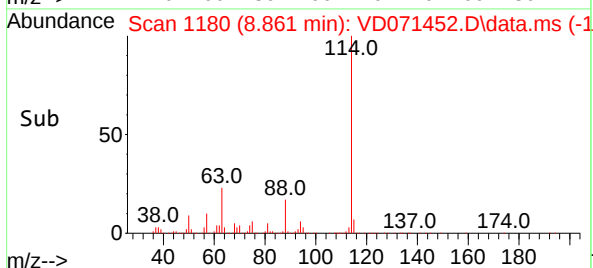
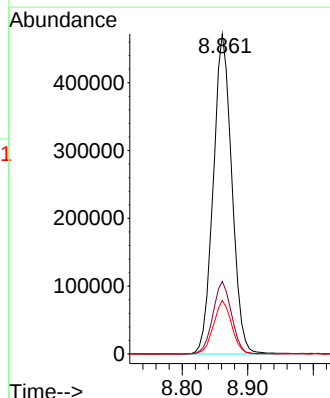
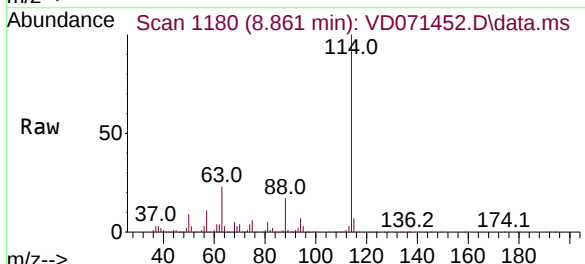
Tgt Ion: 114 Resp: 924468

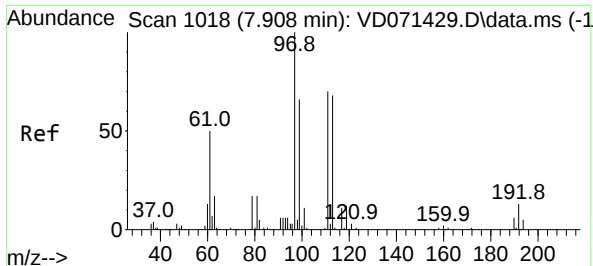
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.579 ug/l

RT: 7.914 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD071452.D

Acq: 23 Dec 2021 19:33

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

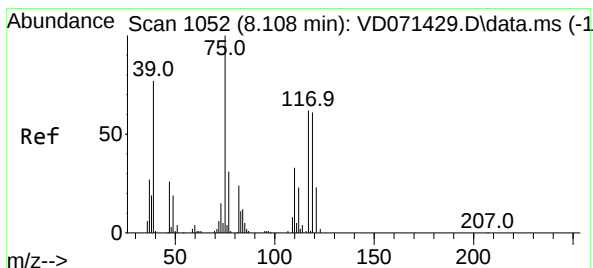
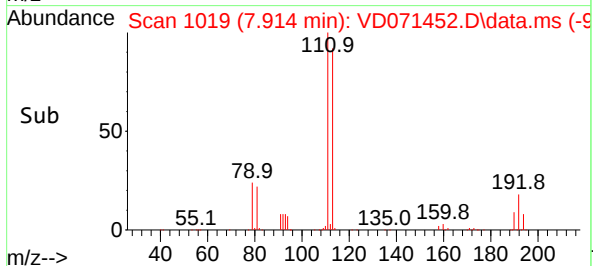
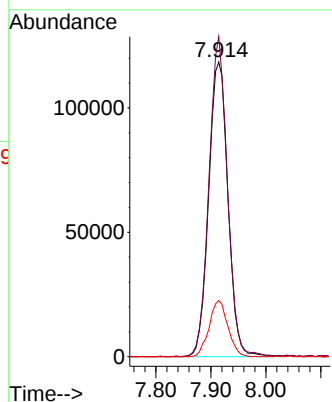
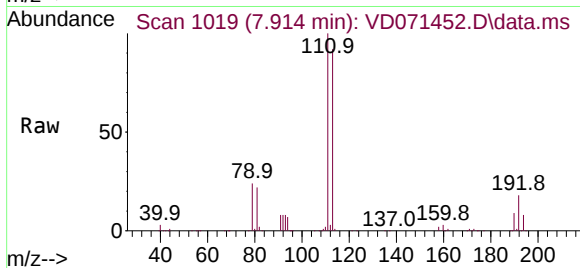
Tgt Ion:113 Resp: 289402

Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071452.D

Acq: 23 Dec 2021 19:33

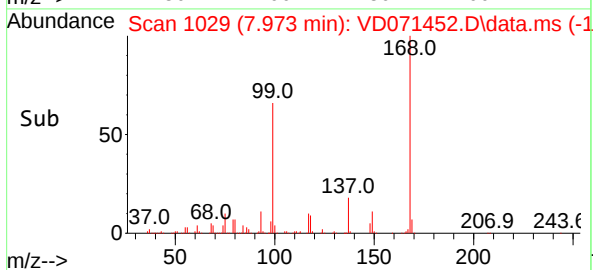
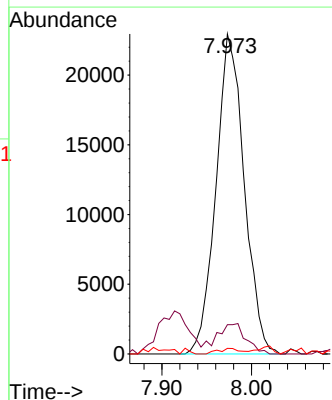
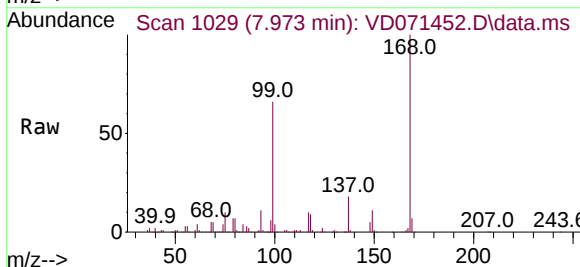
Tgt Ion: 75 Resp: 50093

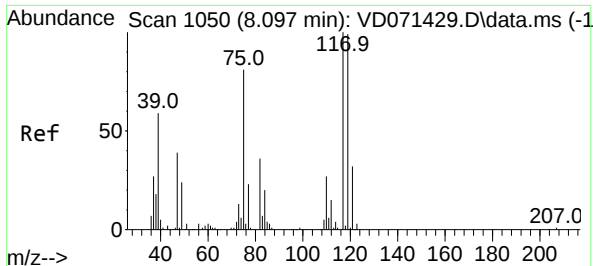
Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.4#

77 1.4 24.8 37.2#

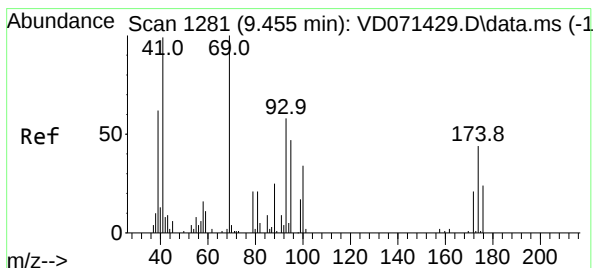
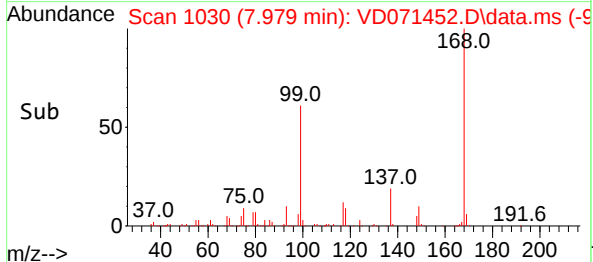
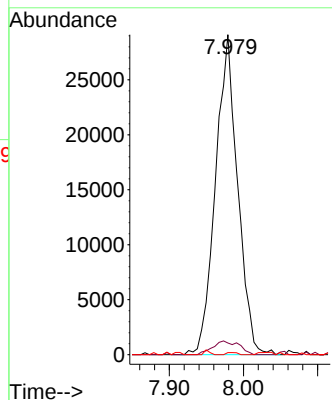
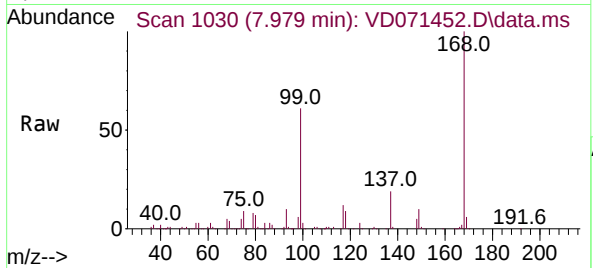




#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

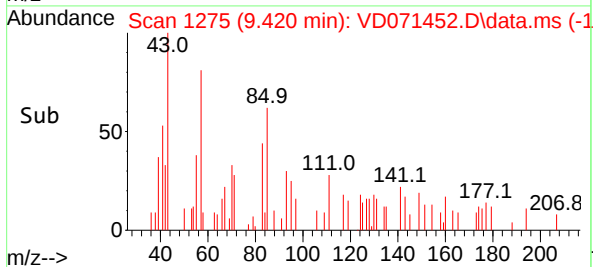
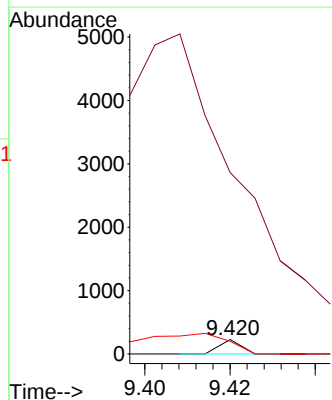
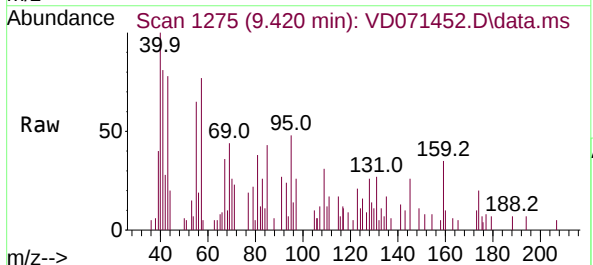
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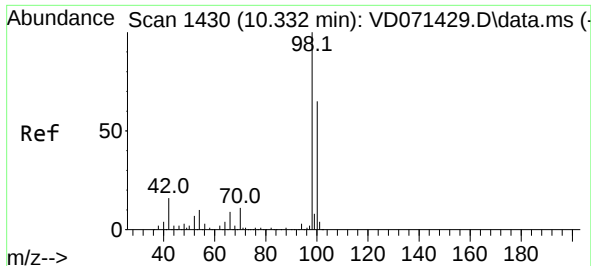
Tgt Ion:117 Resp: 60449
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.6#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 1.851 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.035 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 11132.5 28.9 43.3#
58 563.8 56.3 84.5#

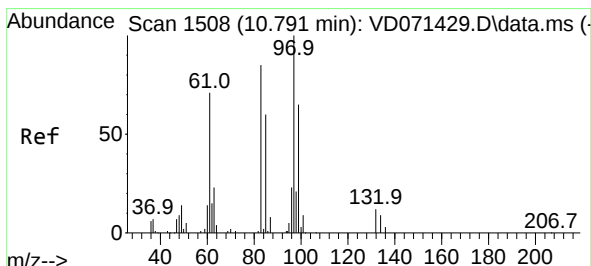
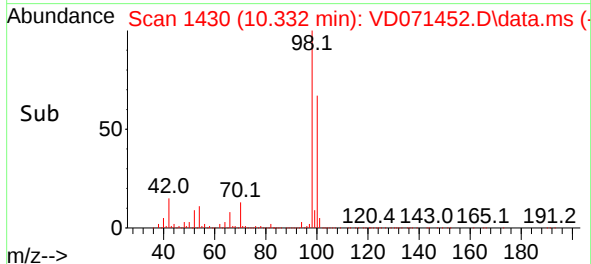
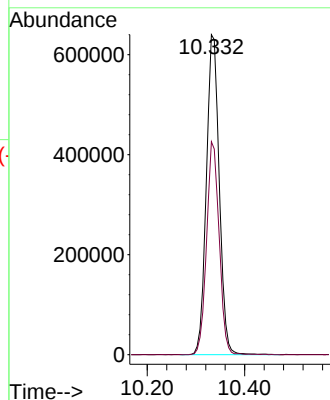
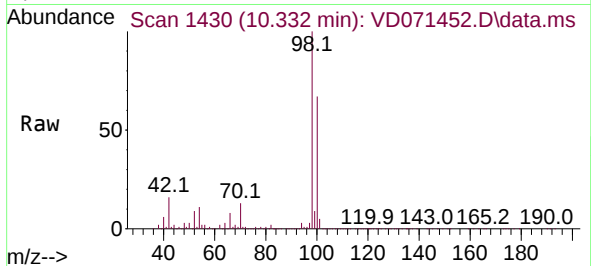




#50
Toluene-d8
Concen: 49.891 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

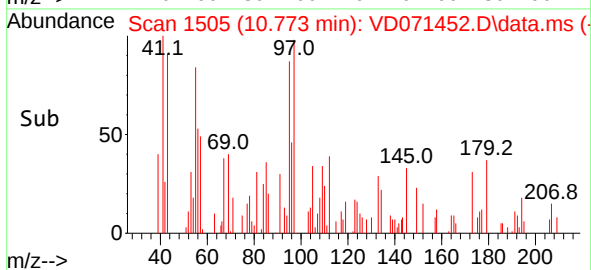
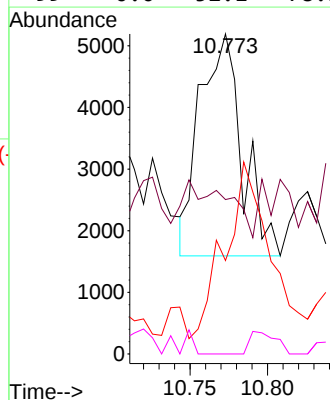
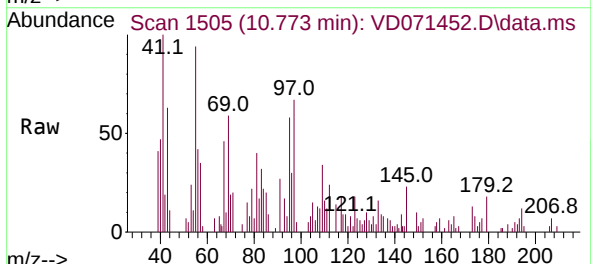
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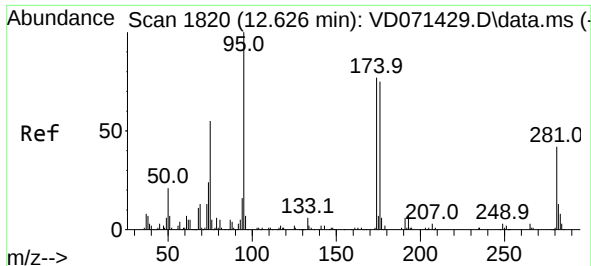
Tgt Ion: 98 Resp: 1171413
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.404 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion: 97 Resp: 6816
Ion Ratio Lower Upper
97 100
83 2.9 65.2 97.8#
85 20.9 43.4 65.0#
99 0.0 52.1 78.1#

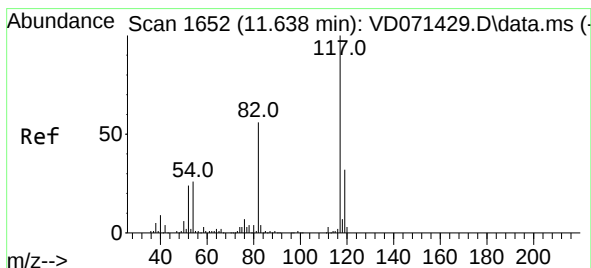
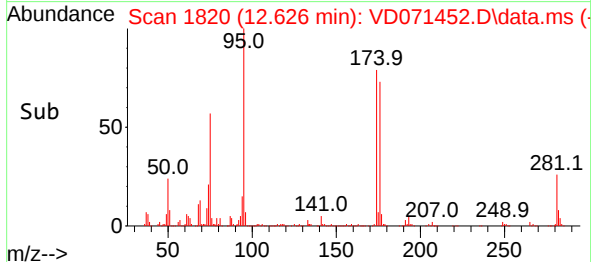
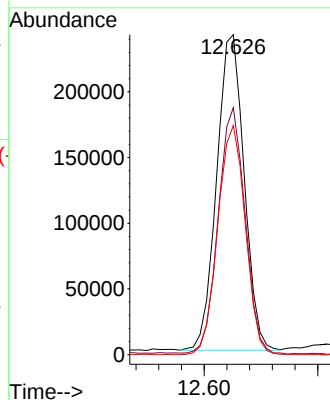
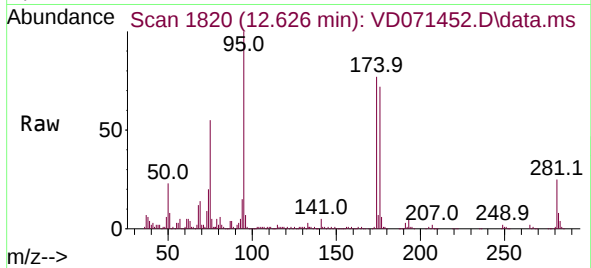




#62
4-Bromofluorobenzene
Concen: 48.313 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

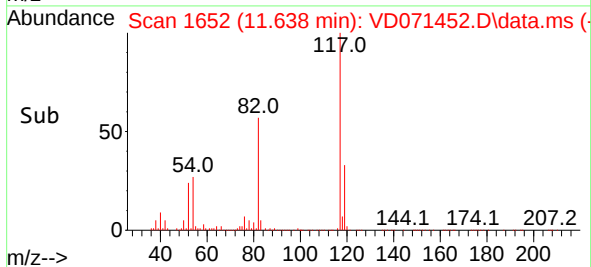
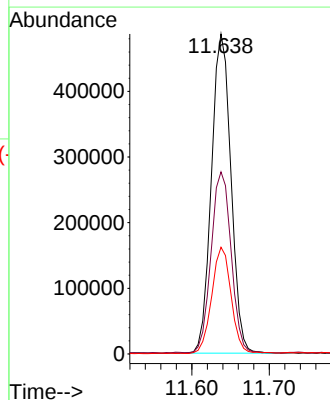
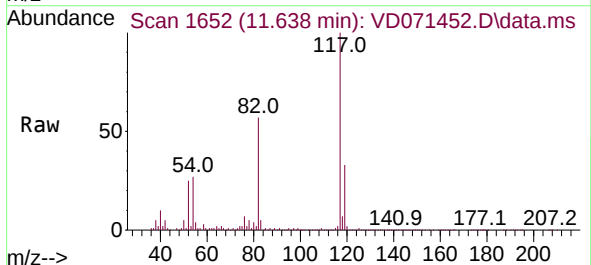
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

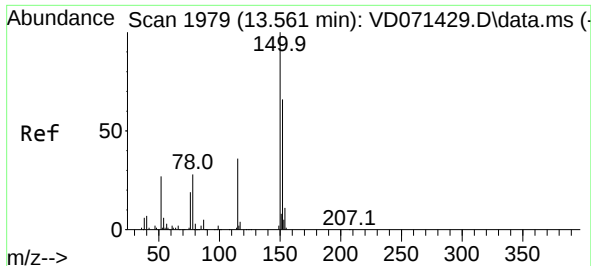
Tgt Ion: 95 Resp: 403101
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.4
176 72.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion: 117 Resp: 850707
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 33.3 26.2 39.4

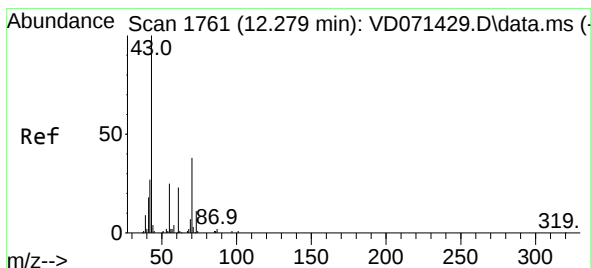
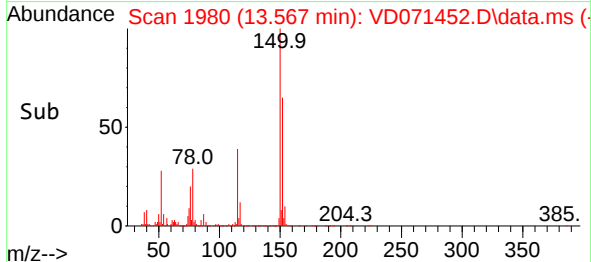
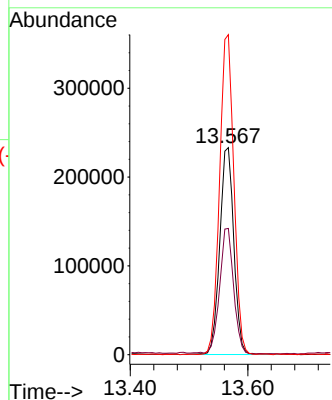
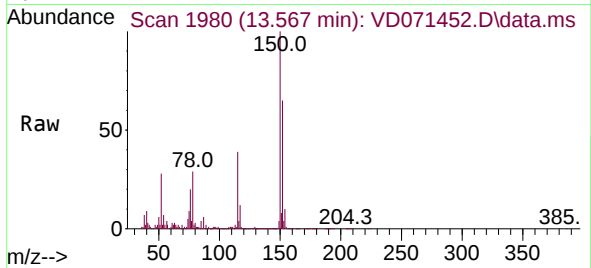




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

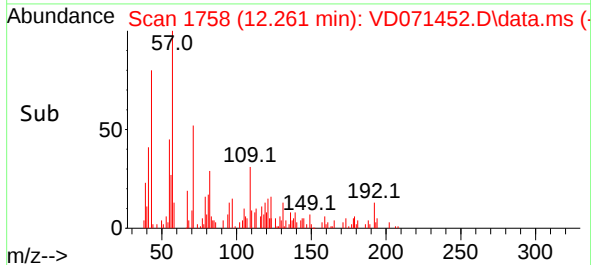
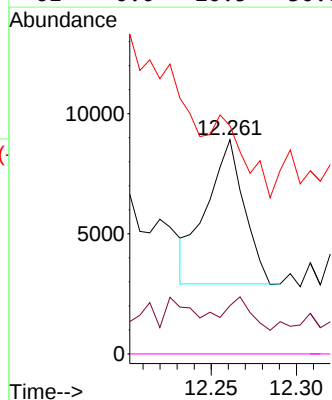
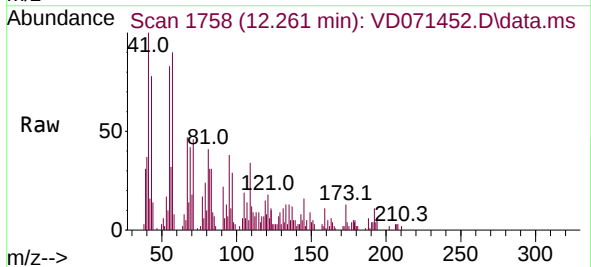
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

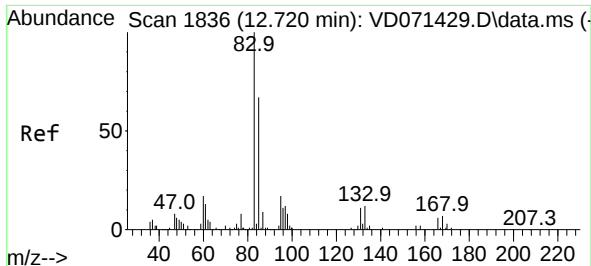
Tgt Ion:152 Resp: 387155
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 156.4 0.0 349.2



#74
N-ethyl acetate
Concen: 1.147 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

Tgt Ion: 43 Resp: 9184
Ion Ratio Lower Upper
43 100
70 13.3 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

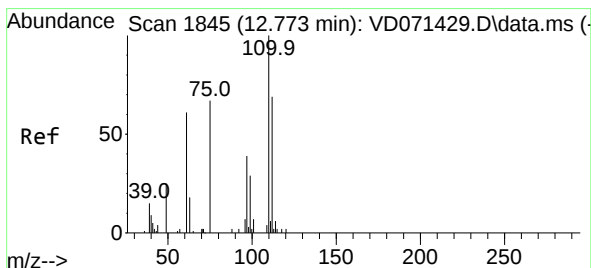
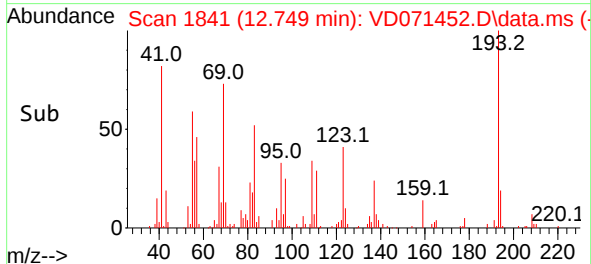
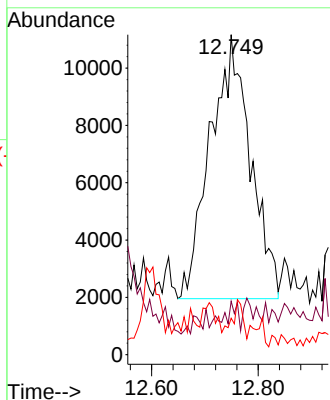
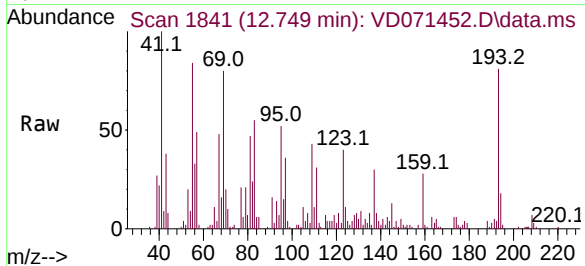




#75
1,1,2,2-Tetrachloroethane
Concen: 8.938 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. 0.029 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

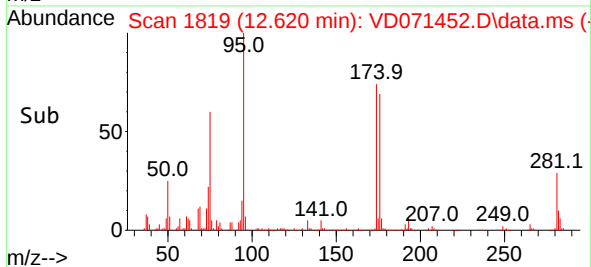
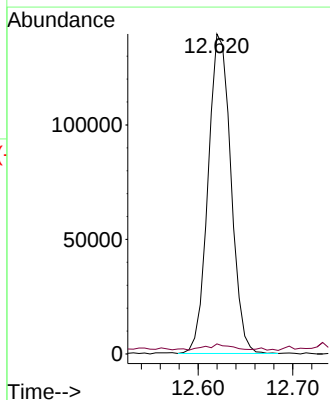
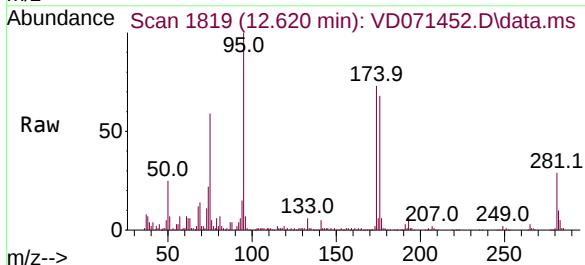
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

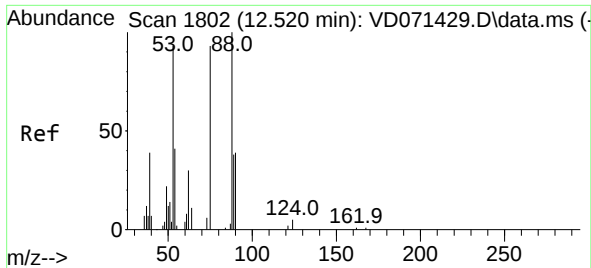
Tgt Ion: 83 Resp: 48230
Ion Ratio Lower Upper
83 100
131 2.6 4.9 14.7#
85 3.2 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 50.833 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071452.D
Acq: 23 Dec 2021 19:33

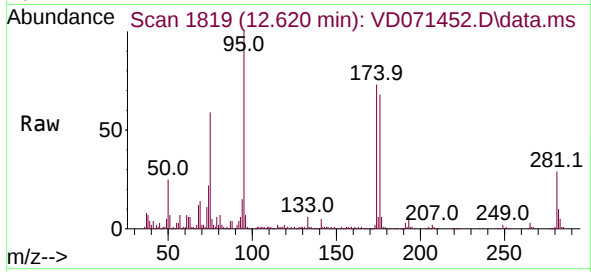
Tgt Ion: 75 Resp: 233835
Ion Ratio Lower Upper
75 100
77 2.1 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.629 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD071452.D
 Acq: 23 Dec 2021 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 233835
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.6 34.5 51.7#

