

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071669.D
 Acq On : 11 Jan 2022 11:55
 Operator : VA/SY
 Sample : VD0111SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBL01

Quant Time: Jan 12 04:26:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

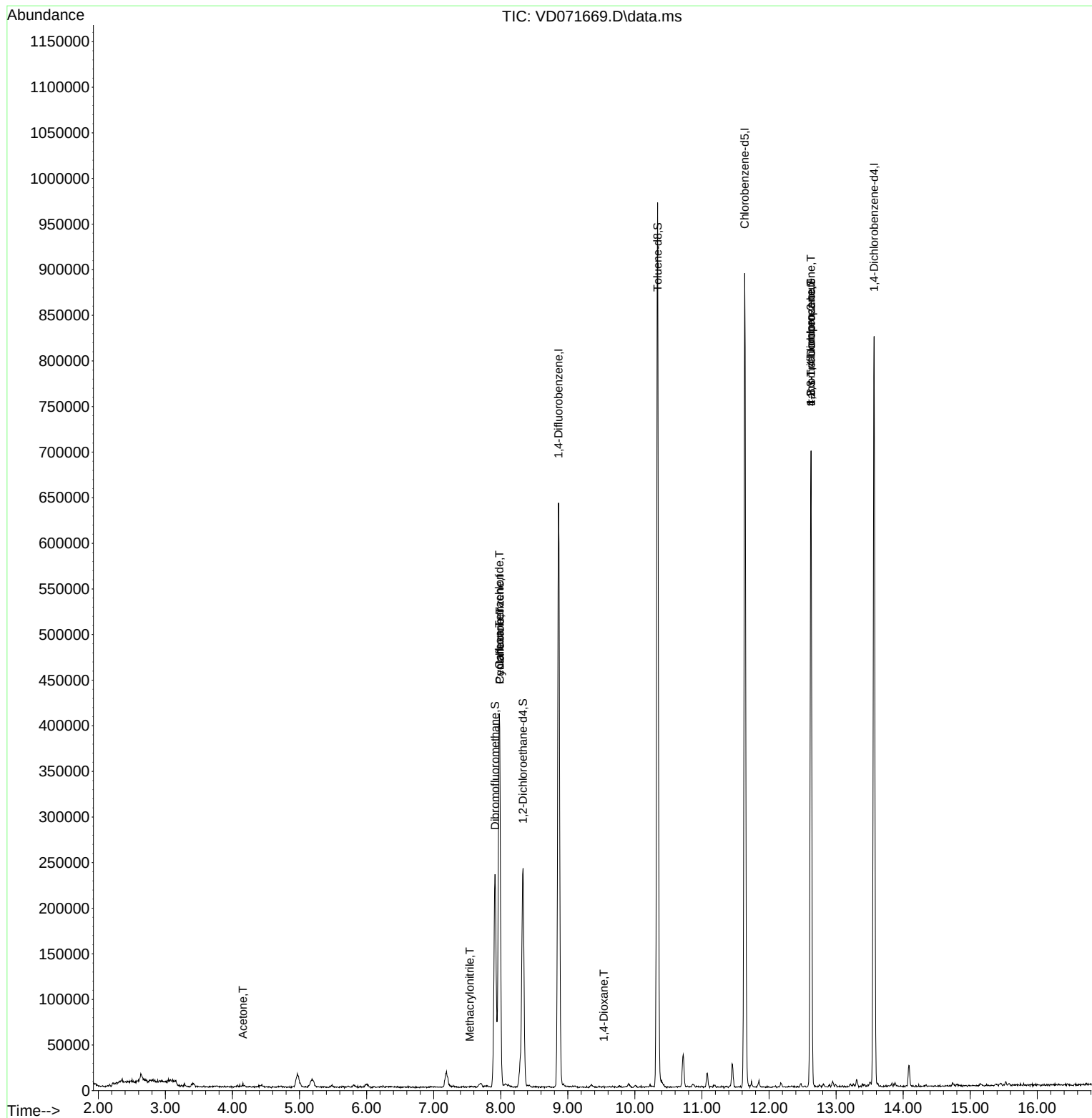
Internal Standards						
1) Pentafluorobenzene	7.985	168	279225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	505074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	465050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	196265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	193275	53.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.580%	
35) Dibromofluoromethane	7.914	113	160225	48.002	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.000%	
50) Toluene-d8	10.338	98	603297	48.283	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	12.626	95	185353	42.098	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	560	Below Cal	#	49
3) Chloromethane	2.215	50	1051	Below Cal	#	43
5) Bromomethane	2.779	94	1264	Below Cal	#	76
11) Tert butyl alcohol	5.185	59	9419	Below Cal	#	79
16) Acetone	4.156	43	2428	2.927	ug/l #	72
18) Methyl Acetate	4.709	43	57	Below Cal	#	56
31) Cyclohexane	7.985	56	9024	2.124	ug/l #	39
38) Carbon Tetrachloride	7.979	117	31387	6.509	ug/l #	18
41) Methacrylonitrile	7.538	41	205	1.277	ug/l #	40
49) 1,4-Dioxane	9.538	88	55	3.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	110615	58.327	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	110615	162.609	ug/l #	3

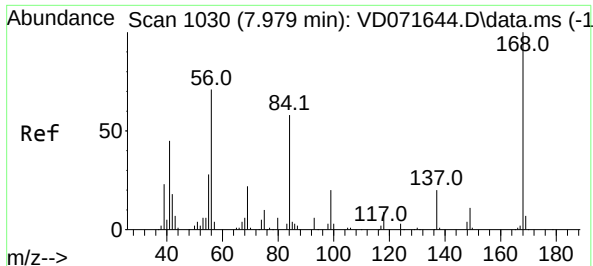
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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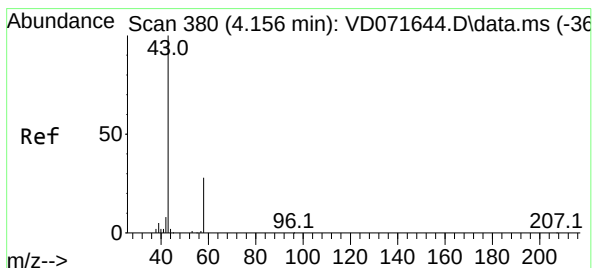
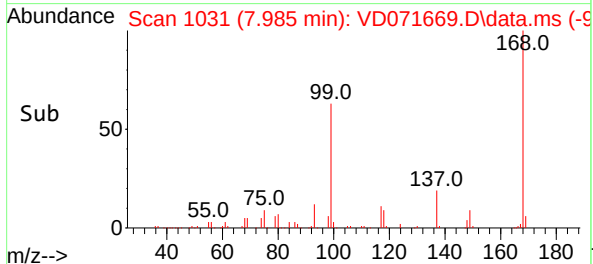
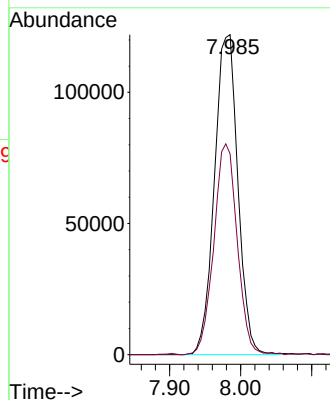
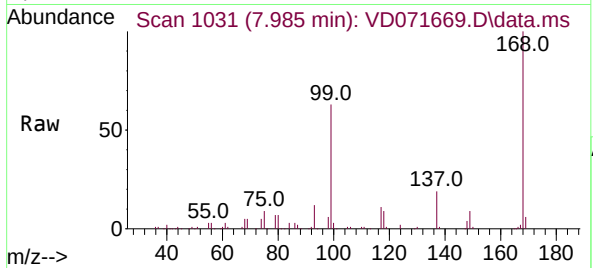




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

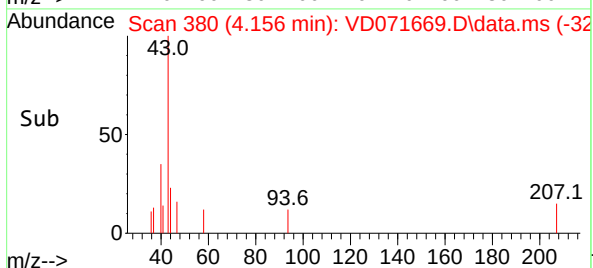
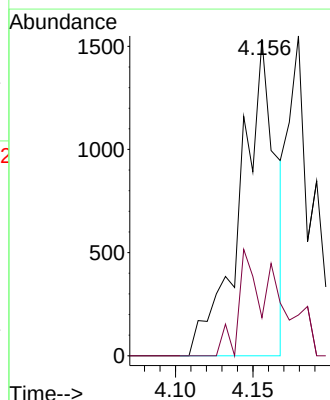
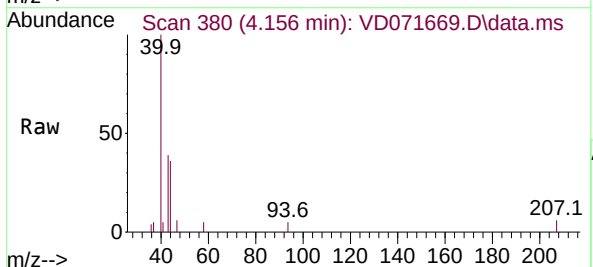
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

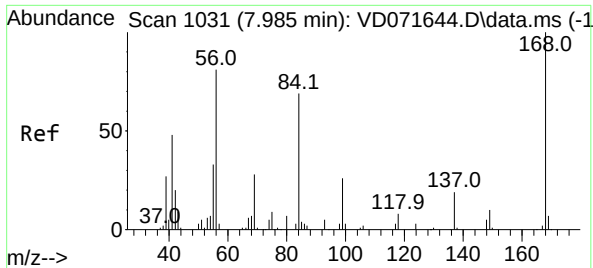
Tgt Ion:168 Resp: 279225
Ion Ratio Lower Upper
168 100
99 62.7 51.8 77.6



#16
Acetone
Concen: 2.927 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
58 12.1 21.0 31.6#

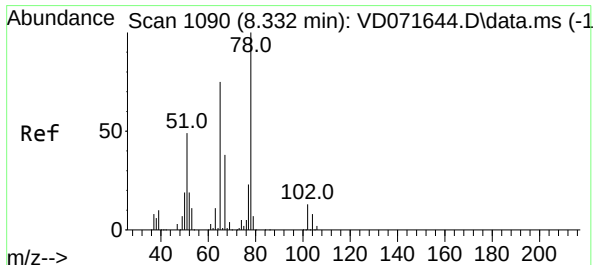
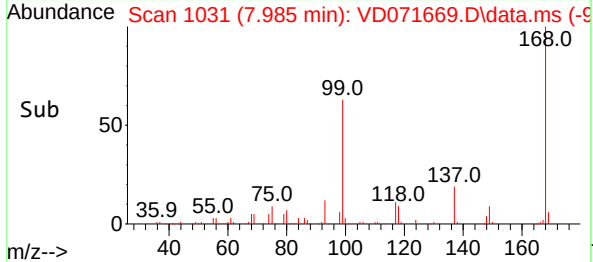
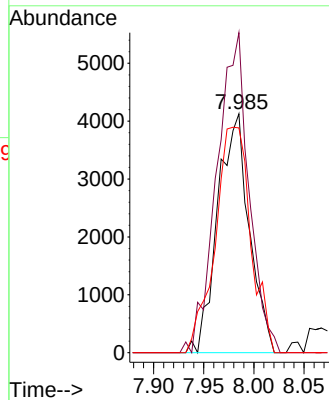
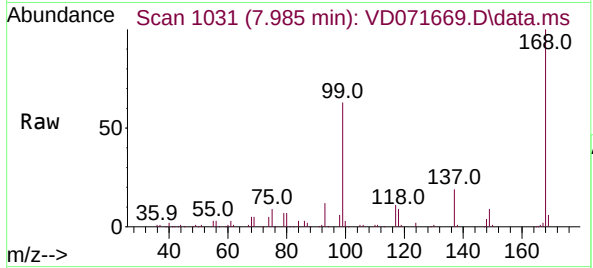




#31
Cyclohexane
Concen: 2.124 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

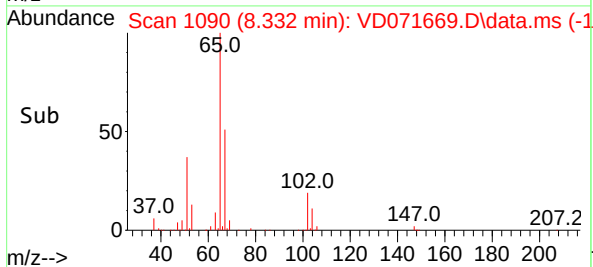
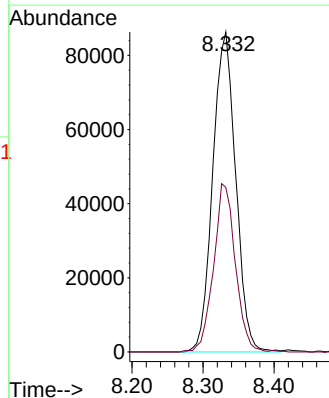
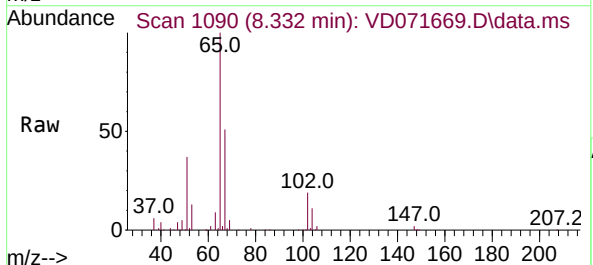
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

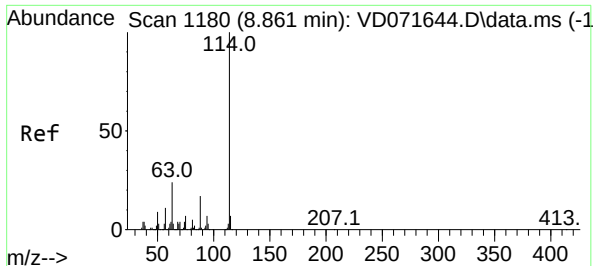
Tgt Ion: 56 Resp: 9024
Ion Ratio Lower Upper
56 100
69 133.9 21.7 32.5#
84 94.1 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 53.795 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

Tgt Ion: 65 Resp: 193275
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071669.D

Acq: 11 Jan 2022 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0111SBL01

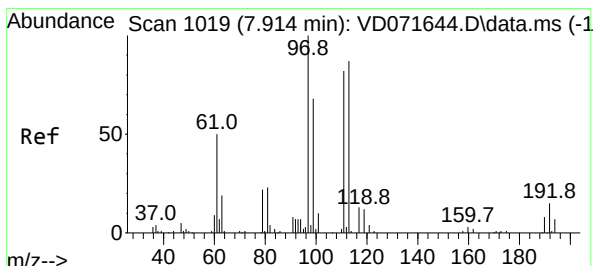
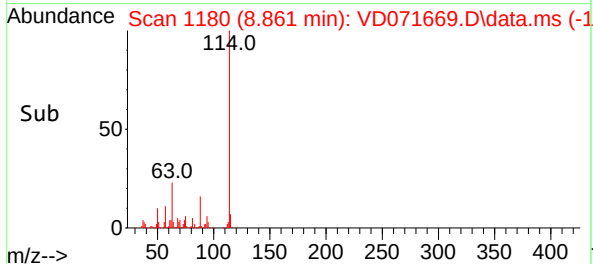
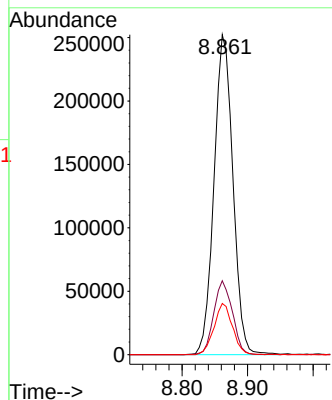
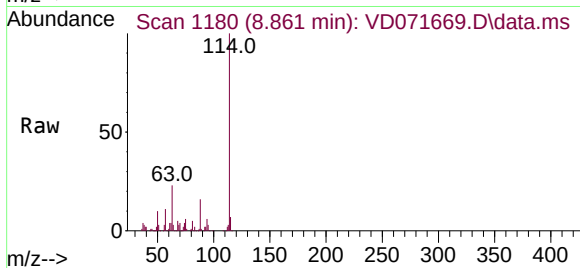
Tgt Ion:114 Resp: 505074

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.2

88 16.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.002 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071669.D

Acq: 11 Jan 2022 11:55

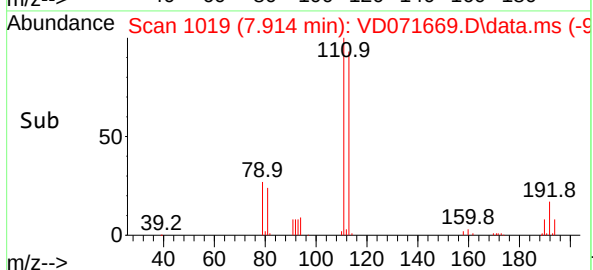
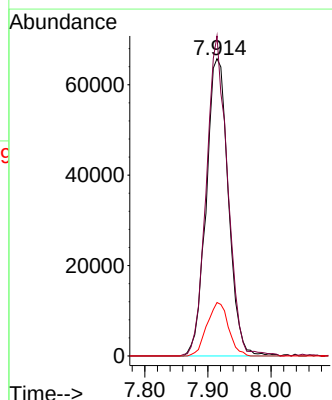
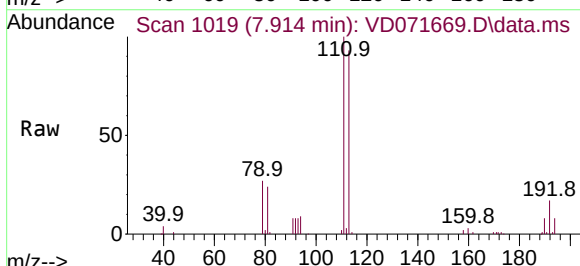
Tgt Ion:113 Resp: 160225

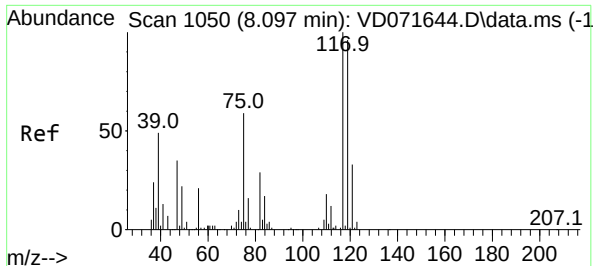
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 17.4 14.2 21.2

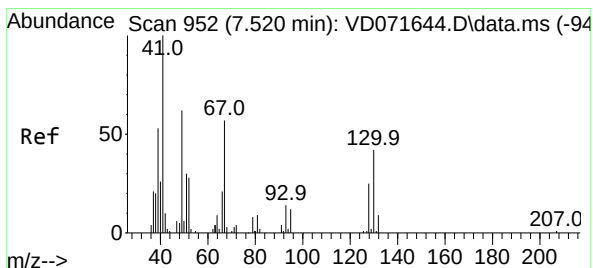
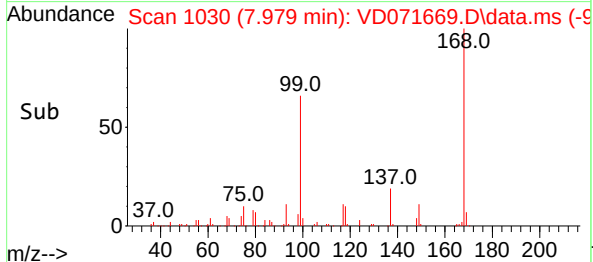
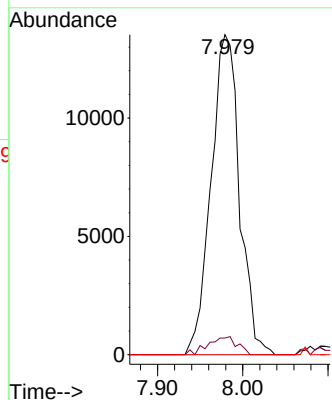
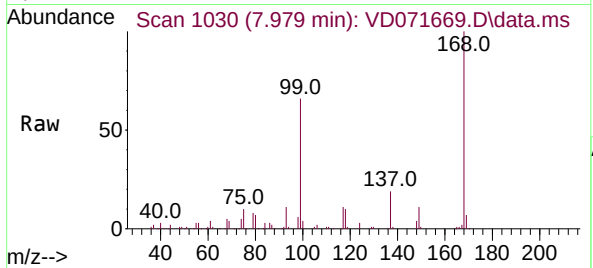




#38
Carbon Tetrachloride
Concen: 6.509 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

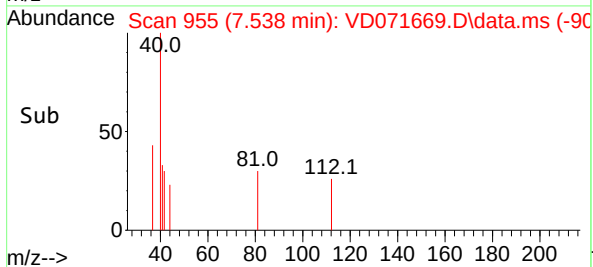
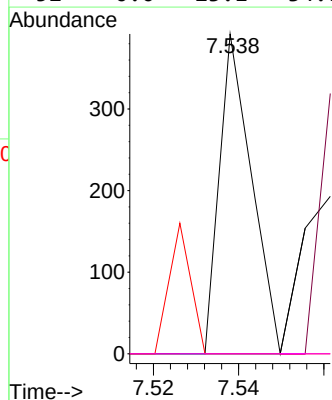
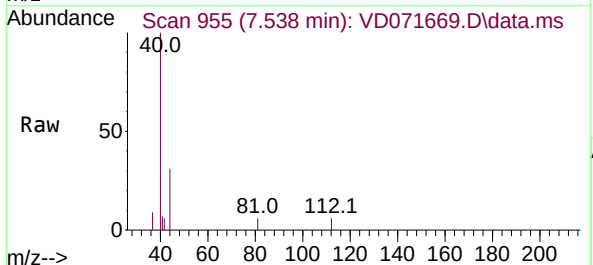
Instrument :
MSVOA_D
ClientSampleId :
VD0111SBL01

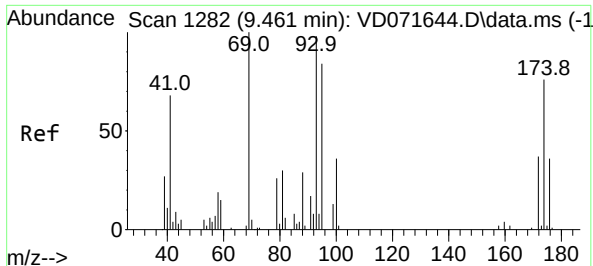
Tgt Ion:117 Resp: 31387
Ion Ratio Lower Upper
117 100
119 5.2 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.277 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.018 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

Tgt Ion: 41 Resp: 205
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
67 27.3 49.3 73.9#
52 0.0 23.1 34.7#





#49

1,4-Dioxane

Concen: 3.022 ug/l

RT: 9.538 min Scan# 11

Delta R.T. 0.083 min

Lab File: VD071669.D

Acq: 11 Jan 2022 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0111SBL01

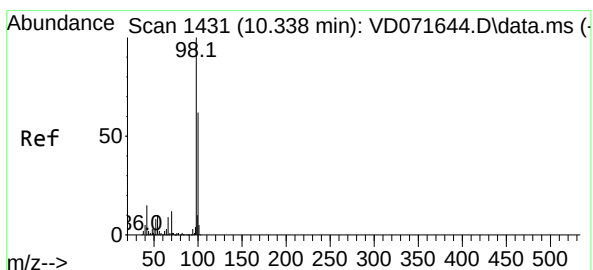
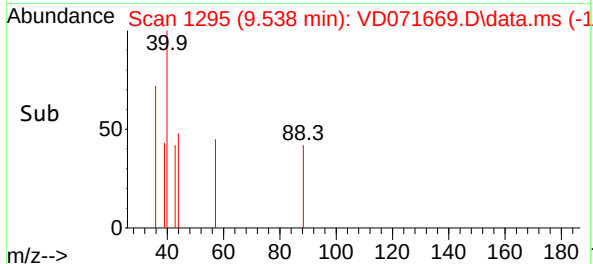
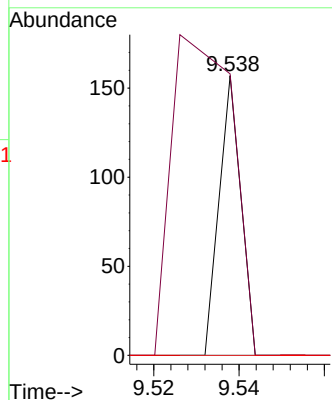
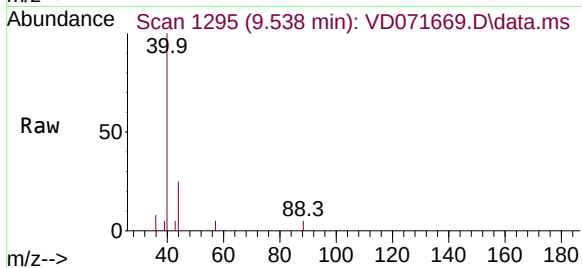
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 325.5 34.6 52.0#

58 0.0 62.0 93.0#



#50

Toluene-d8

Concen: 48.283 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.001 min

Lab File: VD071669.D

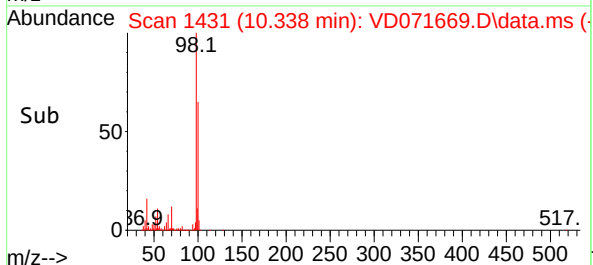
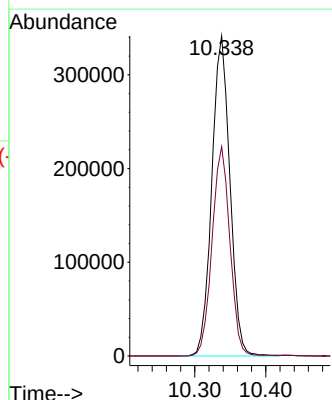
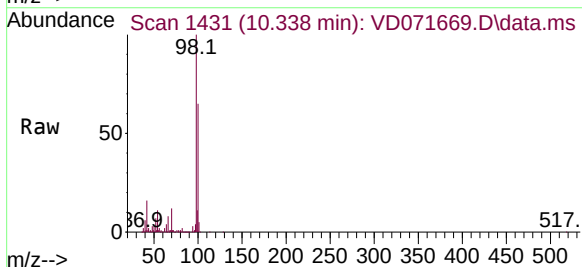
Acq: 11 Jan 2022 11:55

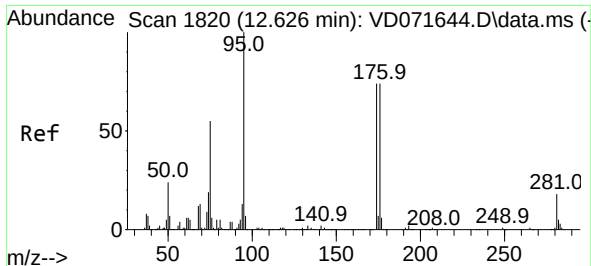
Tgt Ion: 98 Resp: 603297

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

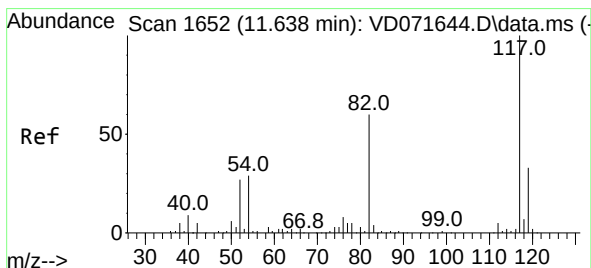
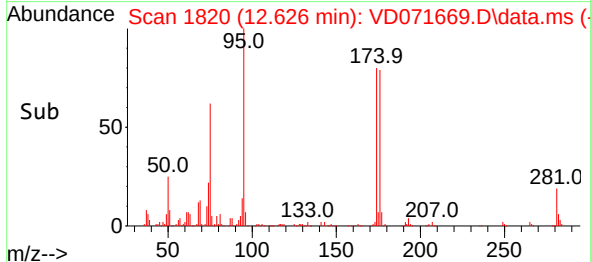
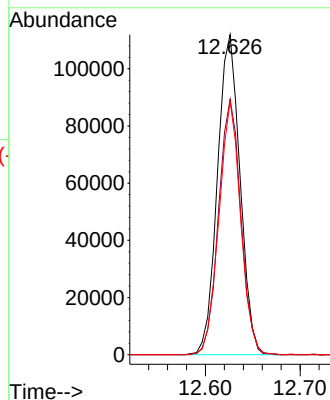
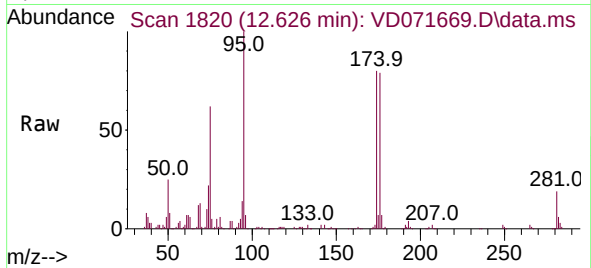




#62
4-Bromofluorobenzene
Concen: 42.098 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

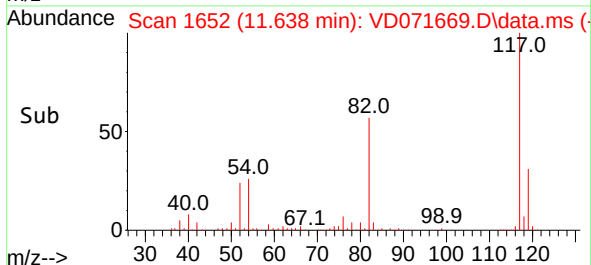
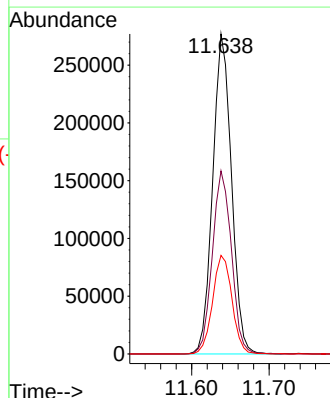
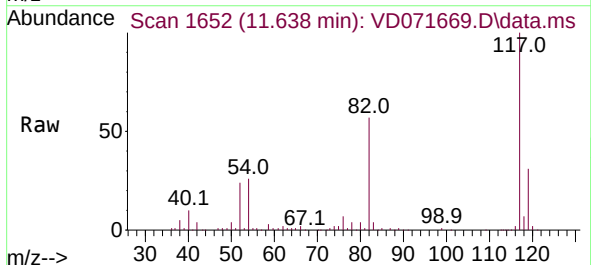
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VD0111SBL01

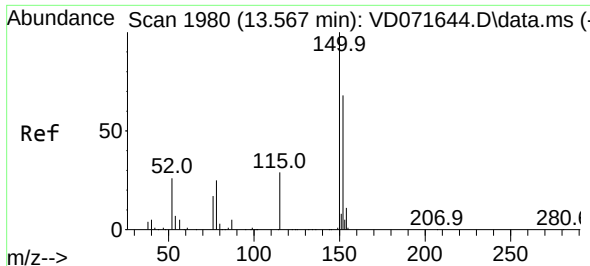
Tgt Ion: 95 Resp: 185353
Ion Ratio Lower Upper
95 100
174 78.8 0.0 150.0
176 76.0 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071669.D
Acq: 11 Jan 2022 11:55

Tgt Ion: 117 Resp: 465050
Ion Ratio Lower Upper
117 100
82 57.2 46.9 70.3
119 30.8 26.6 39.8

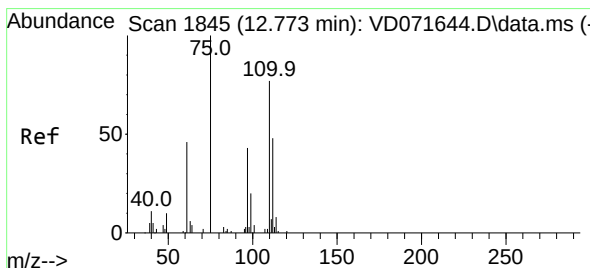
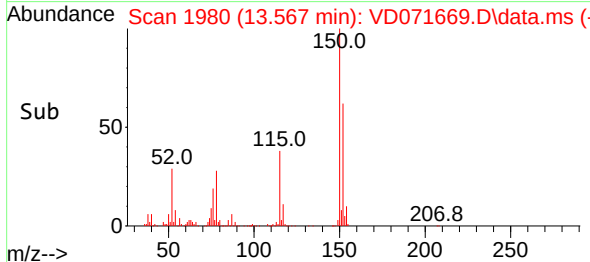
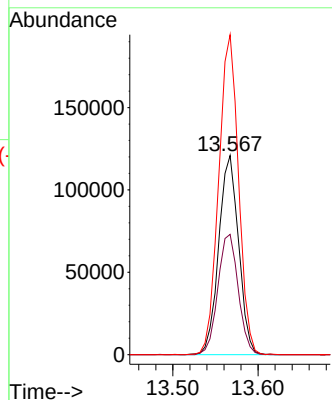
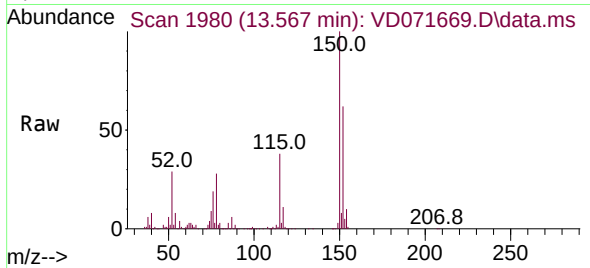




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD071669.D
 Acq: 11 Jan 2022 11:55

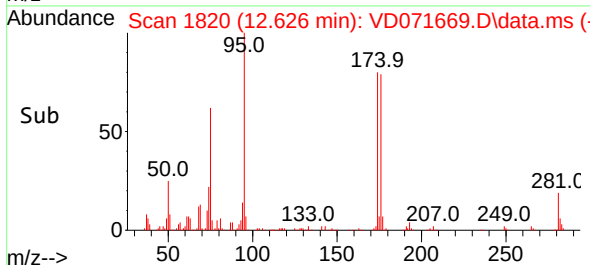
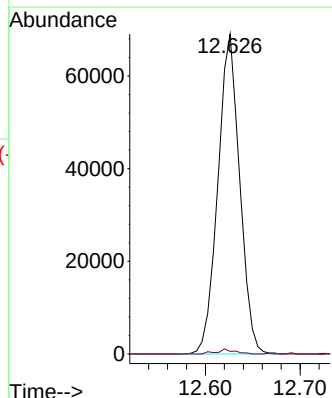
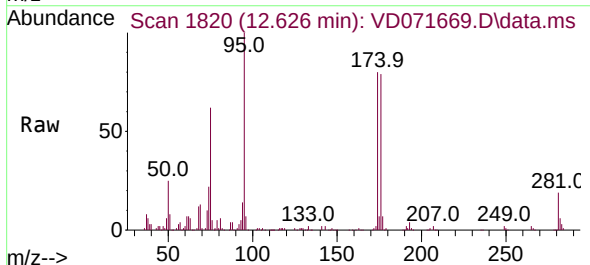
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBL01

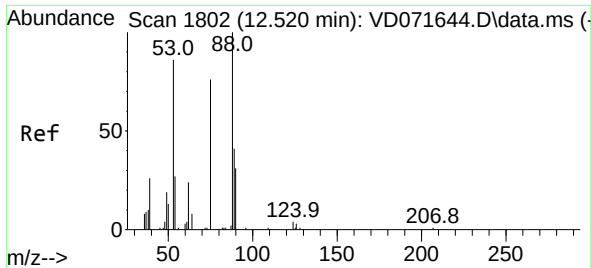
Tgt Ion:152 Resp: 196265
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.5 94.5
 150 160.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 58.327 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071669.D
 Acq: 11 Jan 2022 11:55

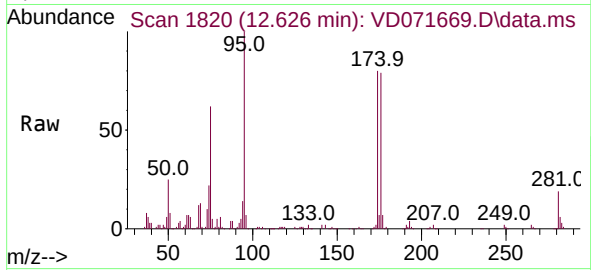
Tgt Ion: 75 Resp: 110615
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.609 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071669.D
 Acq: 11 Jan 2022 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0111SBL01



Tgt Ion: 75 Resp: 110615
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.4 37.2 55.8#

