

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071220.D
 Acq On : 09 Dec 2021 11:09
 Operator : VA/SY
 Sample : VD1209SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:41:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

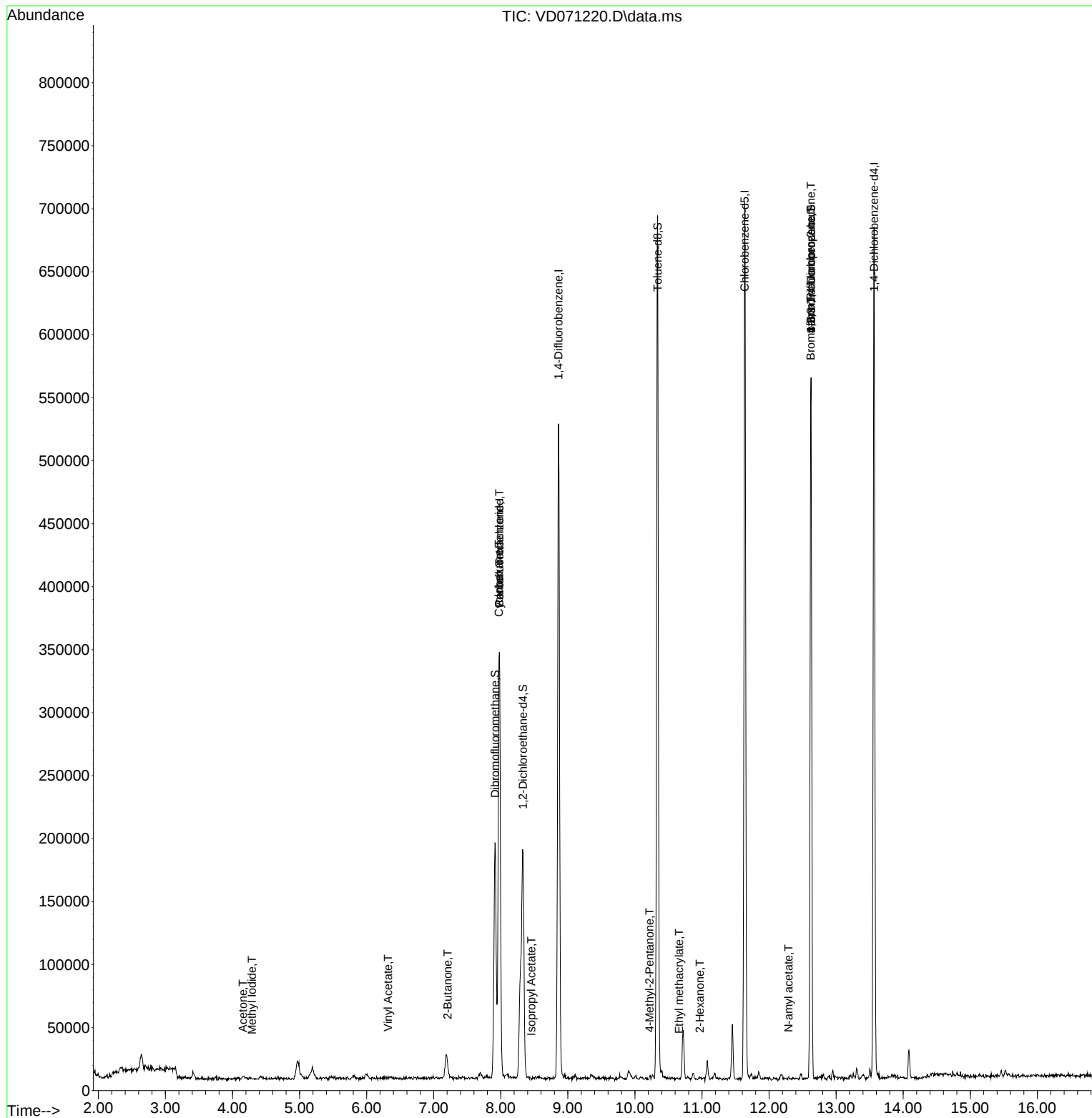
Internal Standards						
1) Pentafluorobenzene	7.979	168	238140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	419830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	371397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	162740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	136791	48.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.900%
35) Dibromofluoromethane	7.914	113	132070	49.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.338	98	448841	44.117	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.240%
62) 4-Bromofluorobenzene	12.626	95	155530	44.102	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.200%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	60	4.580	ug/l #	40
11) Tert butyl alcohol	5.191	59	8082	Below Cal	#	71
16) Acetone	4.156	43	1768	32.885	ug/l #	66
20) Methylene Chloride	4.973	84	10371	Below Cal		92
23) Vinyl Acetate	6.320	43	756	27.366	ug/l #	72
25) 2-Butanone	7.208	43	652	29.034	ug/l #	45
31) Cyclohexane	7.973	56	8337	1.754	ug/l #	38
38) Carbon Tetrachloride	7.979	117	26149	6.760	ug/l #	15
41) Methacrylonitrile	7.526	41	65	Below Cal	#	1
43) Isopropyl Acetate	8.455	43	374	5.313	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	2335	31.724	ug/l #	61
56) Ethyl methacrylate	10.661	69	194	6.033	ug/l #	50
59) 2-Hexanone	10.967	43	383	34.803	ug/l	77
71) Bromoform	12.620	173	1893	1.452	ug/l #	1
74) N-amyl acetate	12.291	43	214	5.760	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	86239	55.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	86239	120.842	ug/l #	18

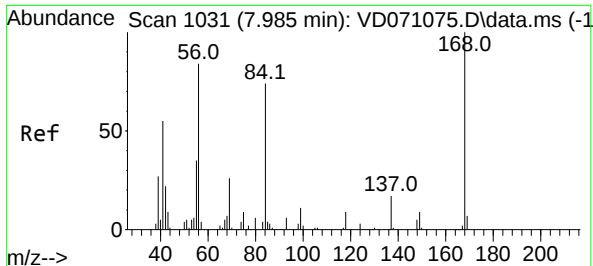
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 10 06:41:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

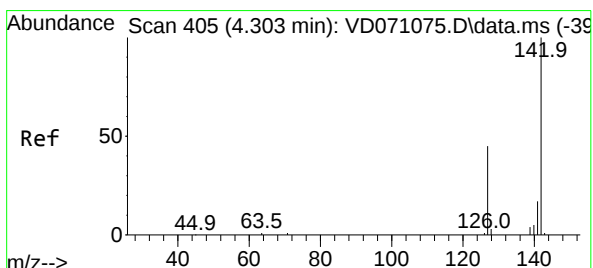
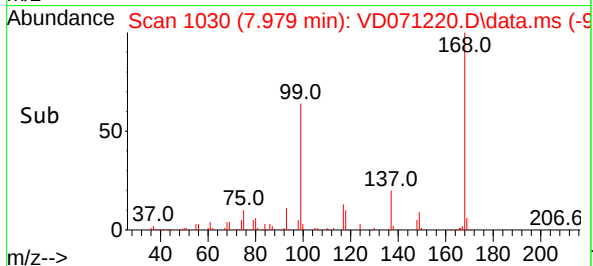
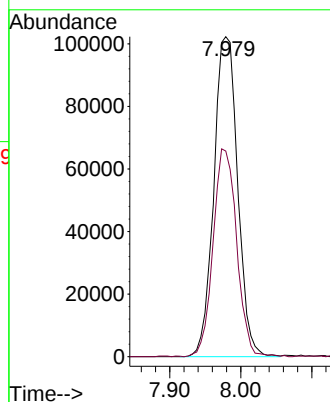
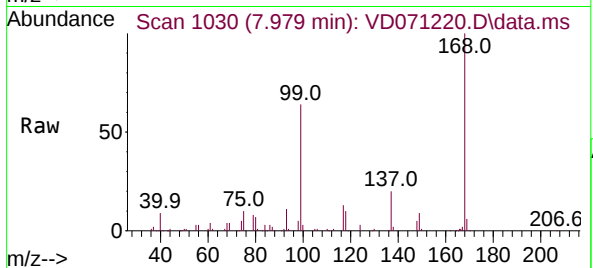




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

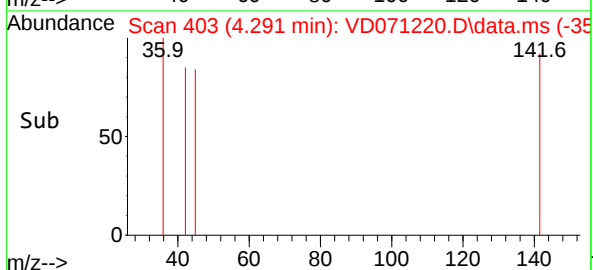
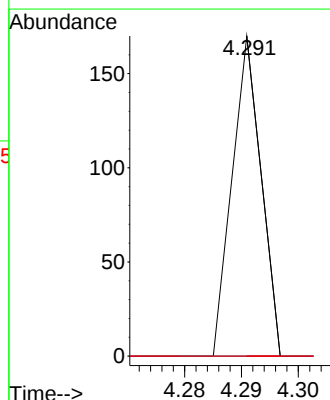
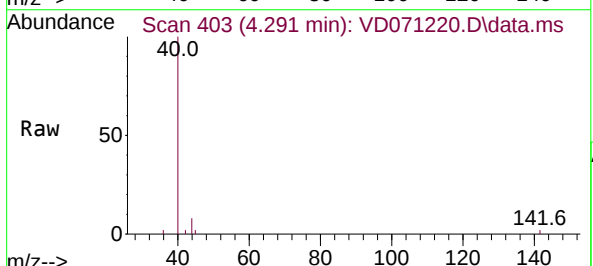
Instrument :
MSVOA_D
ClientSampleId :

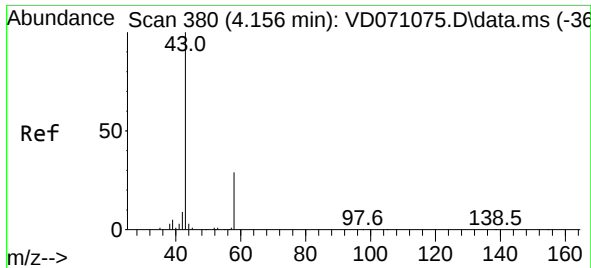
Tgt Ion:168 Resp: 238140
Ion Ratio Lower Upper
168 100
99 64.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.580 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

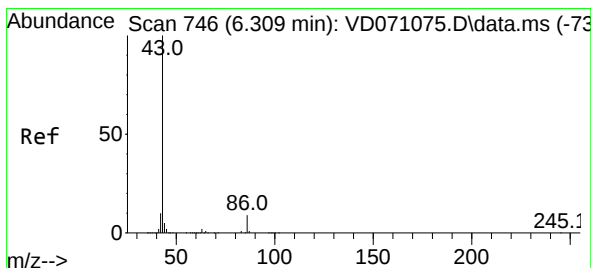
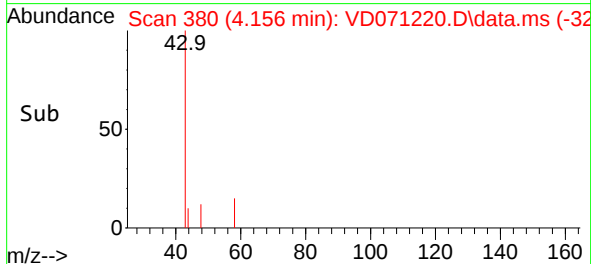
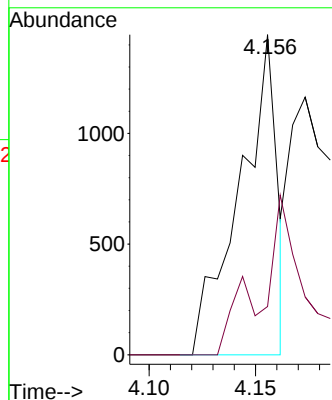
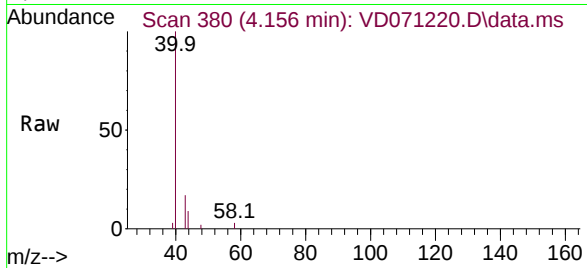




#16
Acetone
Concen: 32.885 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

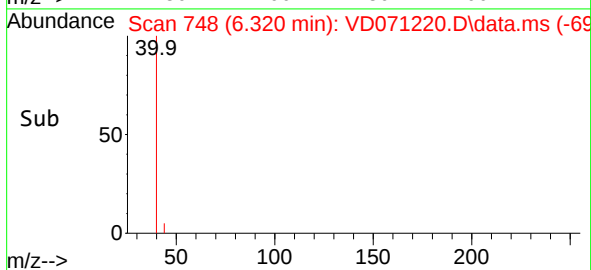
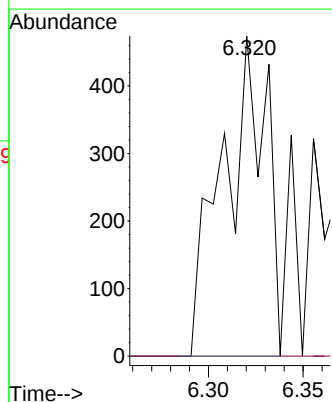
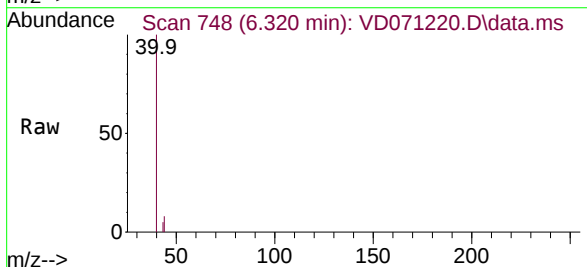
Instrument :
MSVOA_D
ClientSampleId :

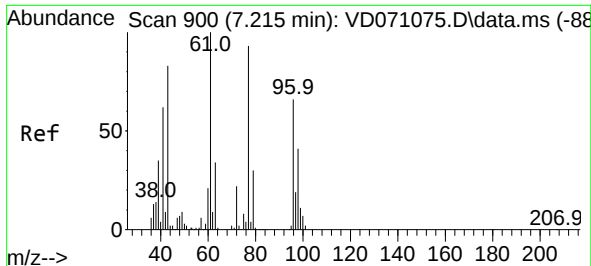
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 15.1 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.366 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

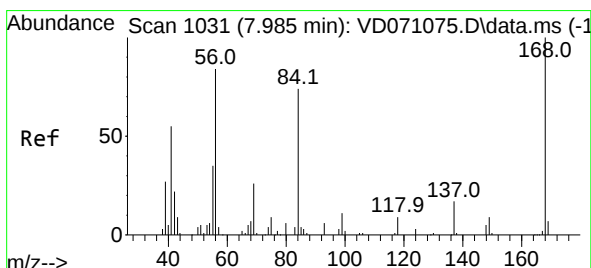
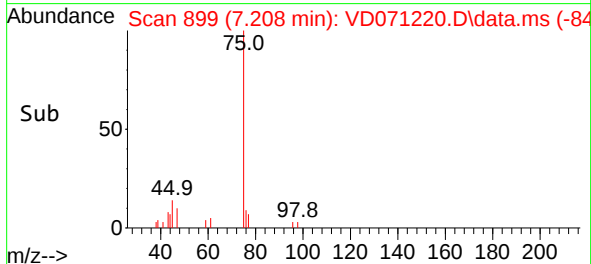
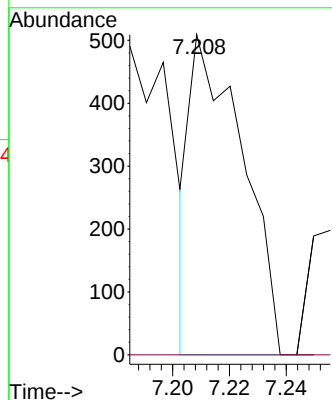
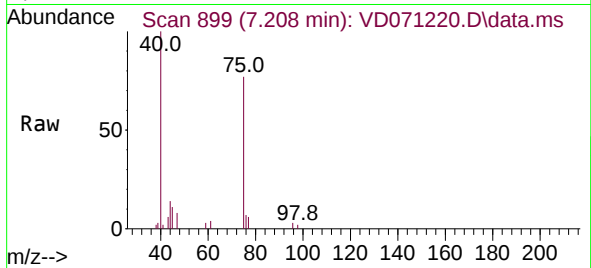




#25
2-Butanone
Concen: 29.034 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.007 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

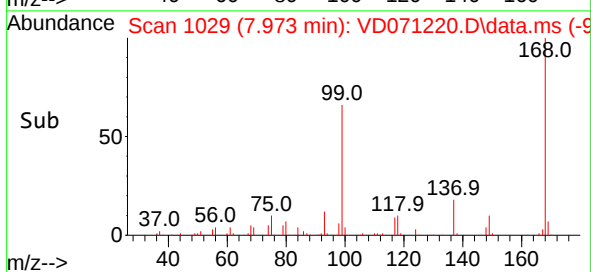
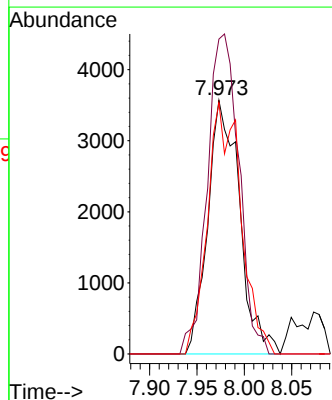
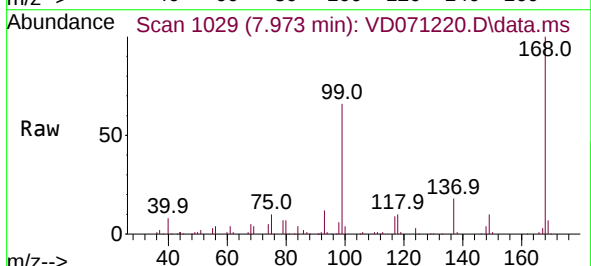
Instrument :
MSVOA_D
ClientSampleId :

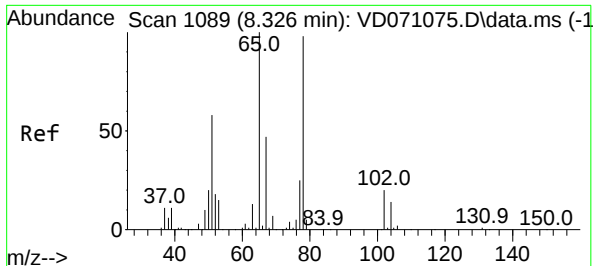
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.754 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 56 Resp: 8337
Ion Ratio Lower Upper
56 100
69 124.2 25.9 38.9#
84 99.1 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.954 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071220.D

Acq: 09 Dec 2021 11:09

Instrument :

MSVOA_D

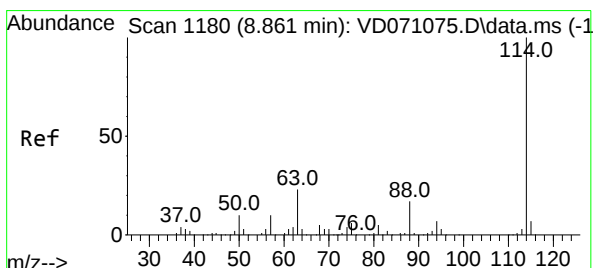
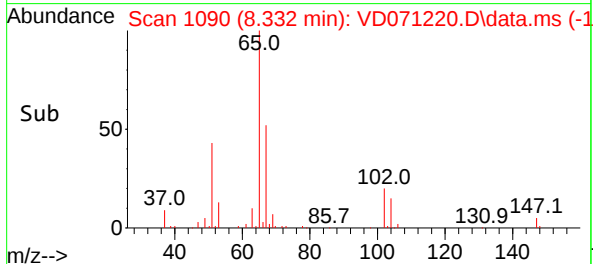
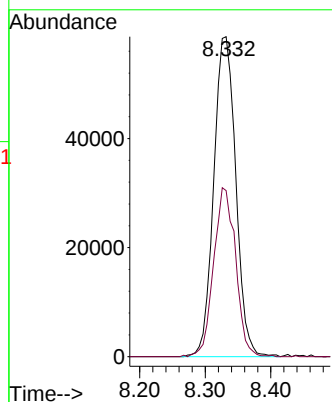
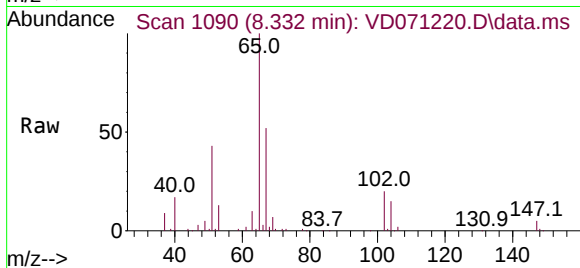
ClientSampleId :

Tgt Ion: 65 Resp: 136791

Ion Ratio Lower Upper

65 100

67 52.7 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: VD071220.D

Acq: 09 Dec 2021 11:09

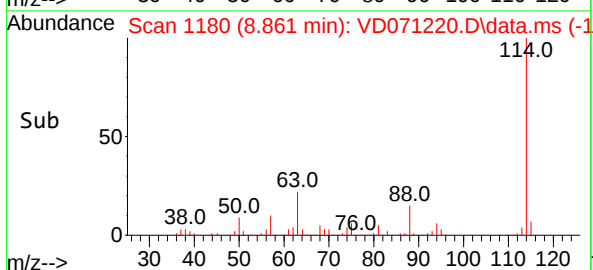
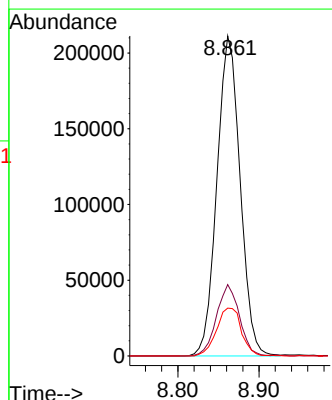
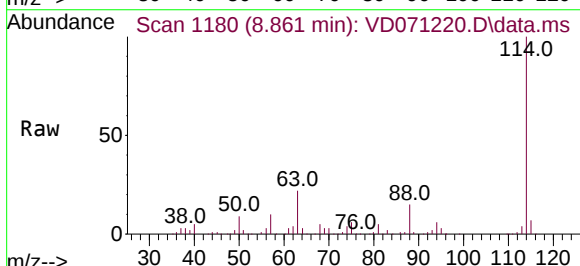
Tgt Ion: 114 Resp: 419830

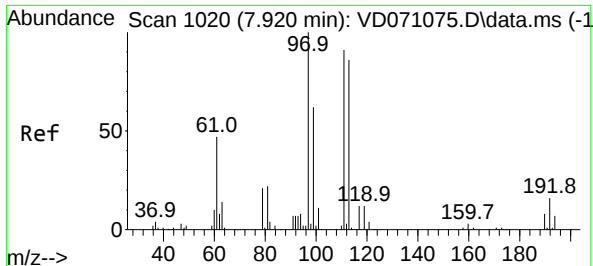
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 14.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.401 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

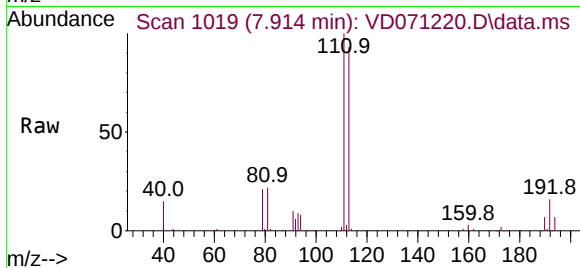
Lab File: VD071220.D

Acq: 09 Dec 2021 11:09

Instrument :

MSVOA_D

ClientSampleId :



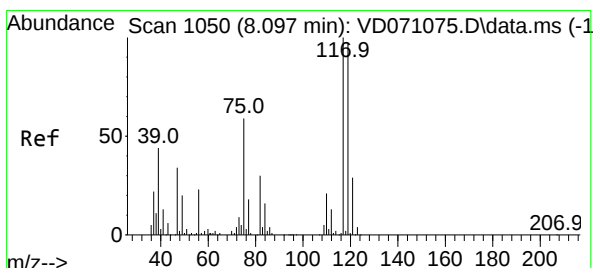
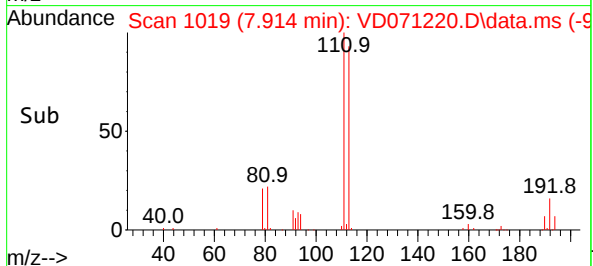
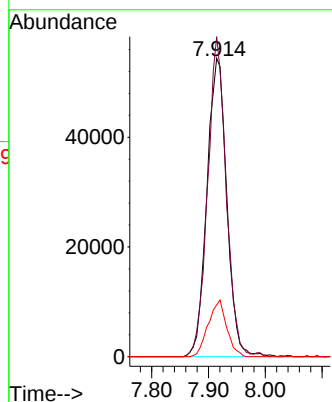
Tgt Ion:113 Resp: 132070

Ion Ratio Lower Upper

113 100

111 99.8 82.0 123.0

192 17.6 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.760 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071220.D

Acq: 09 Dec 2021 11:09

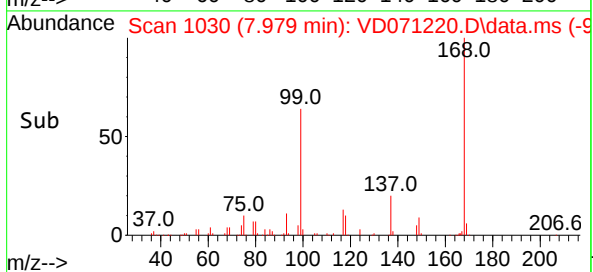
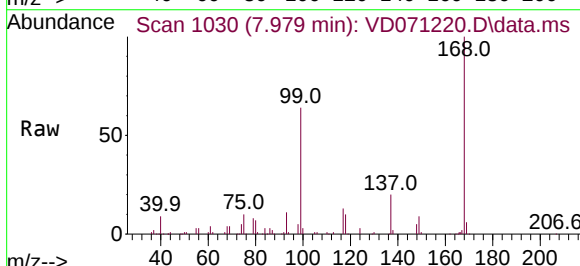
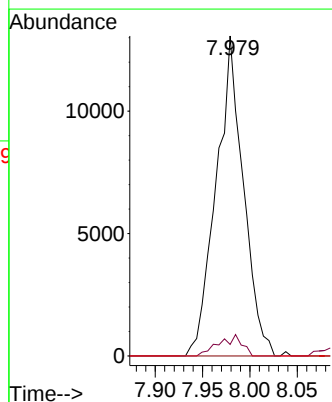
Tgt Ion:117 Resp: 26149

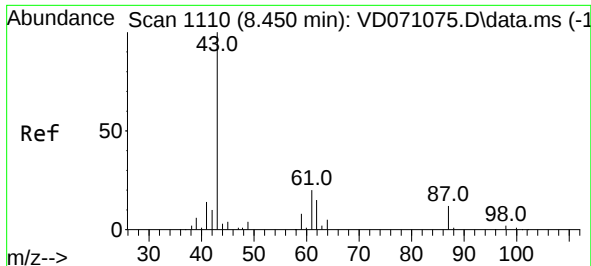
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.313 ug/l

RT: 8.455 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VD071220.D

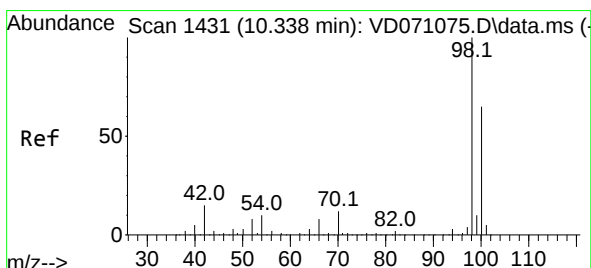
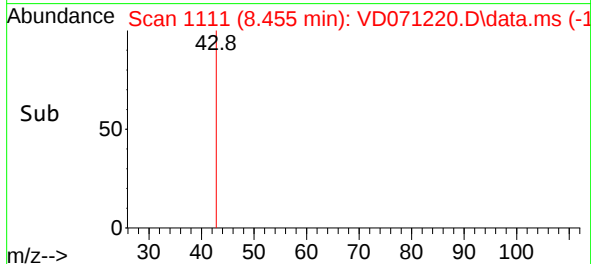
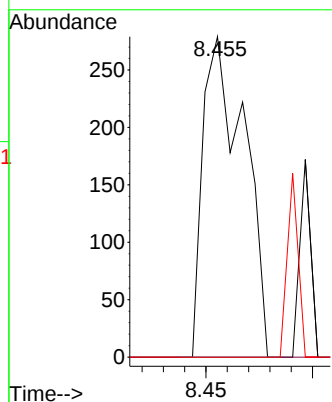
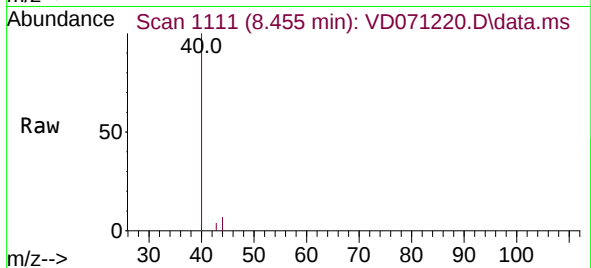
Acq: 09 Dec 2021 11:09

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 374
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#50

Toluene-d8

Concen: 44.117 ug/l

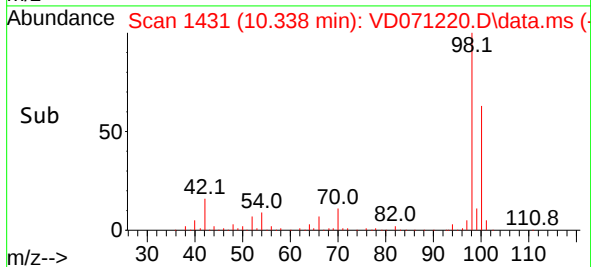
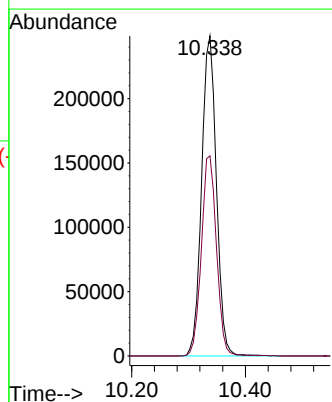
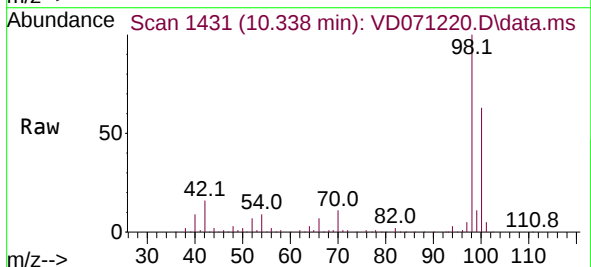
RT: 10.338 min Scan# 1431

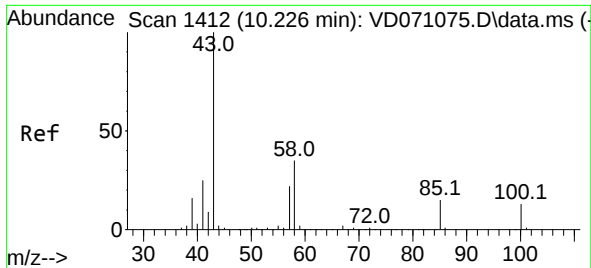
Delta R.T. -0.000 min

Lab File: VD071220.D

Acq: 09 Dec 2021 11:09

Tgt Ion: 98	Resp: 448841
Ion Ratio	Lower Upper
98 100	
100 63.8	51.8 77.6

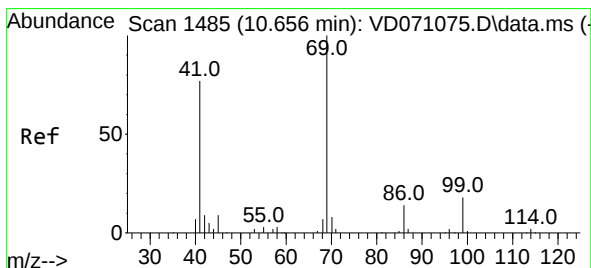
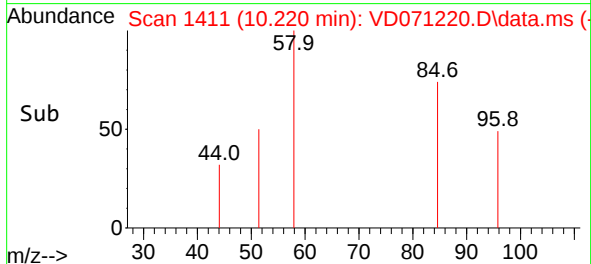
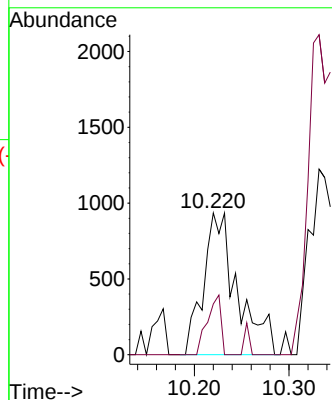
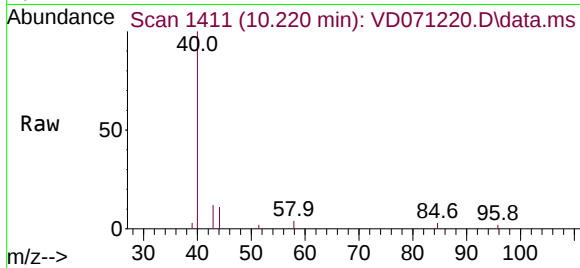




#51
4-Methyl-2-Pentanone
Concen: 31.724 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

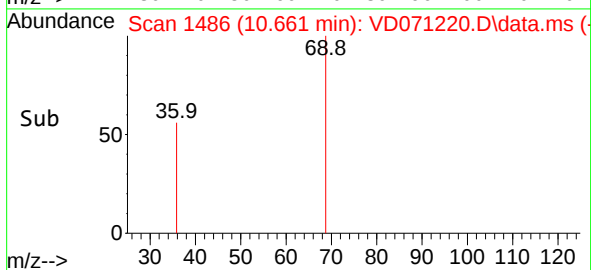
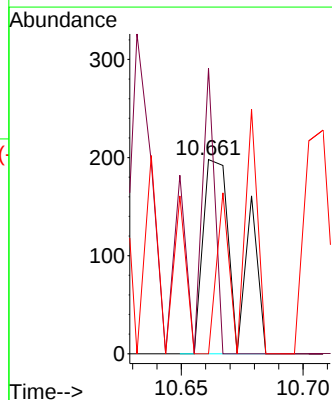
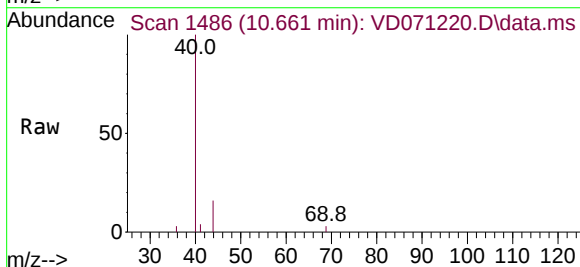
Instrument :
MSVOA_D
ClientSampleId :

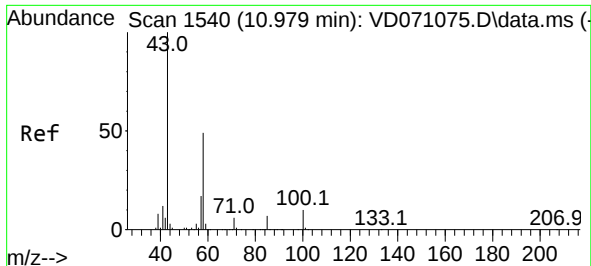
Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
58 16.7 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.033 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 69 Resp: 194
Ion Ratio Lower Upper
69 100
41 86.1 50.2 75.2#
39 75.3 19.8 29.8#

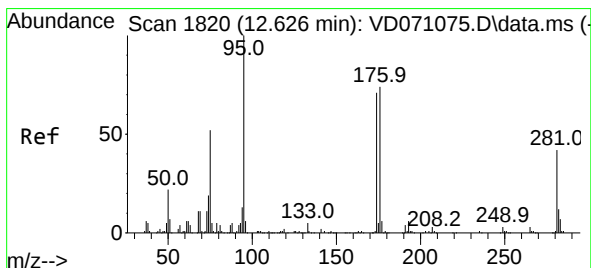
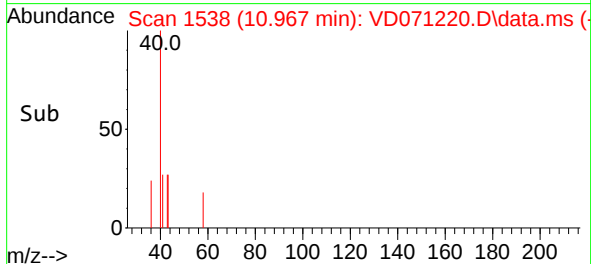
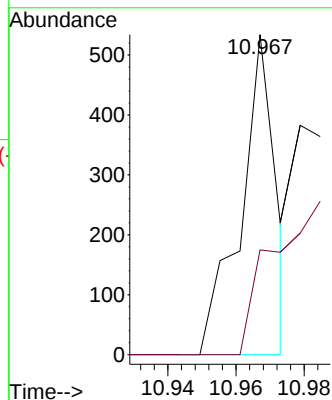
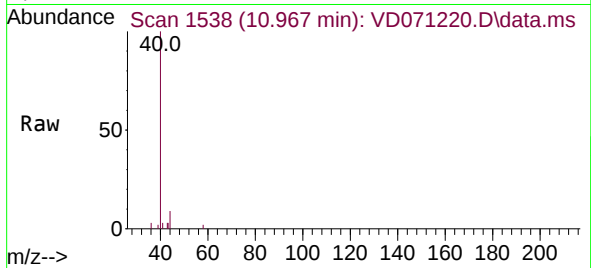




#59
2-Hexanone
Concen: 34.803 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

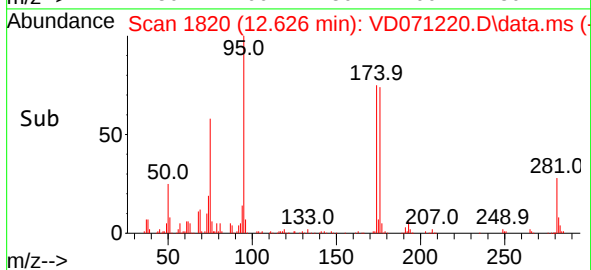
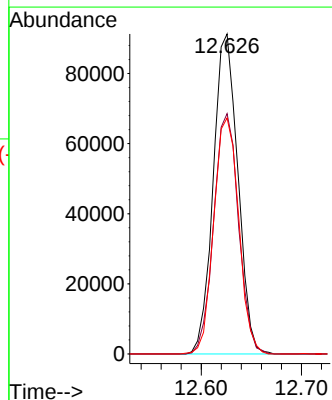
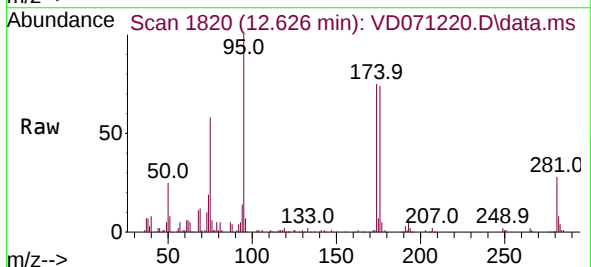
Instrument :
MSVOA_D
ClientSampleId :

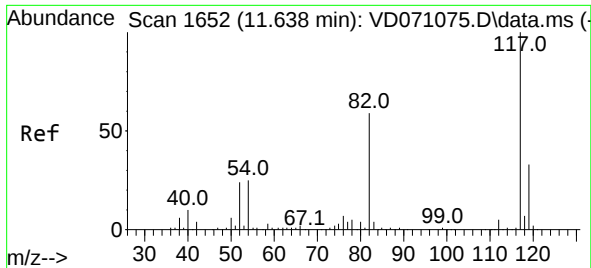
Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
58 74.2 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 44.102 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 95 Resp: 155530
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 74.7 0.0 154.0

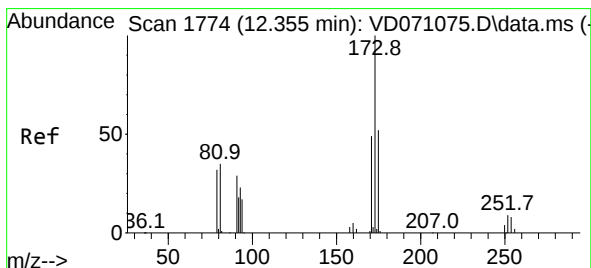
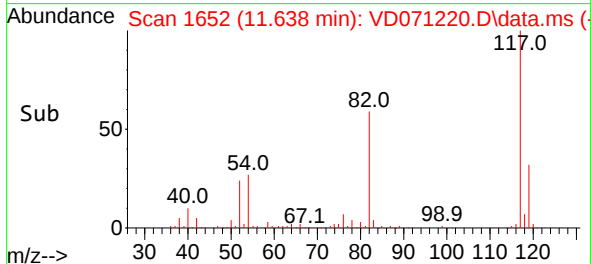
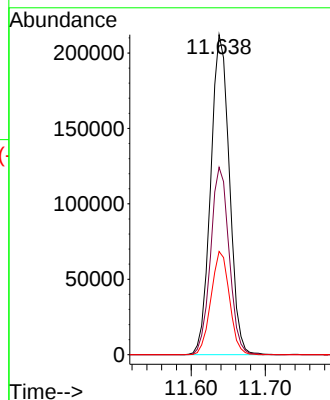
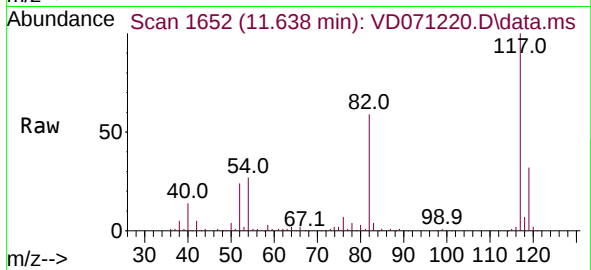




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

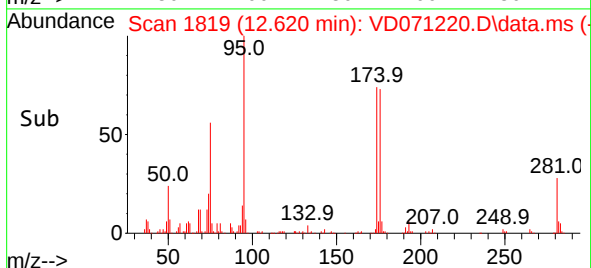
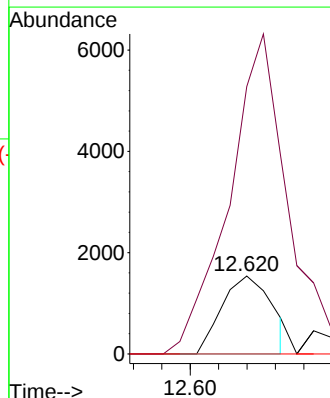
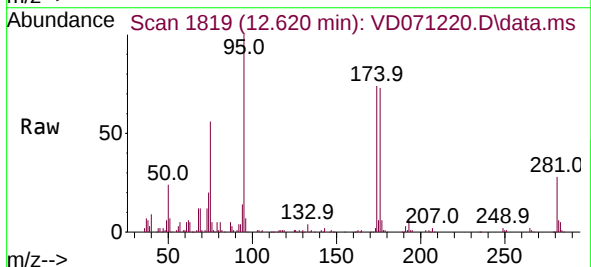
Instrument :
MSVOA_D
ClientSampleId :

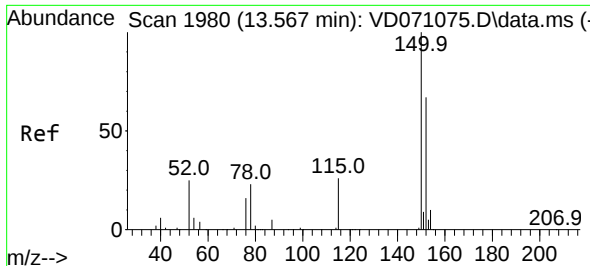
Tgt Ion:117 Resp: 371397
Ion Ratio Lower Upper
117 100
82 58.5 44.7 67.1
119 32.2 26.2 39.4



#71
Bromoform
Concen: 1.452 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion:173 Resp: 1893
Ion Ratio Lower Upper
173 100
175 405.6 24.1 72.2#
254 0.0 0.1 0.1#

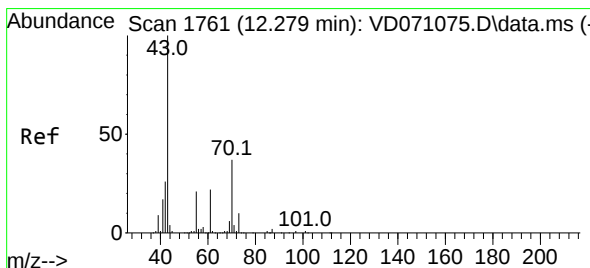
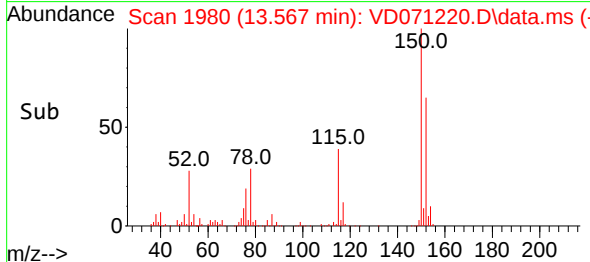
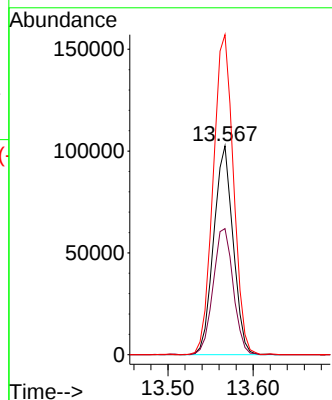
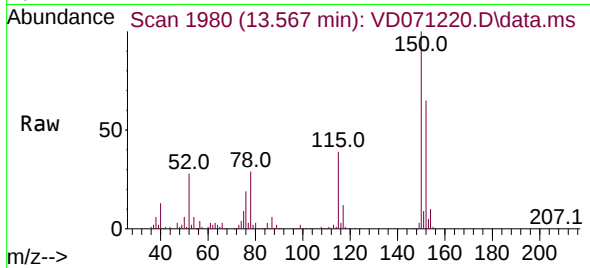




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

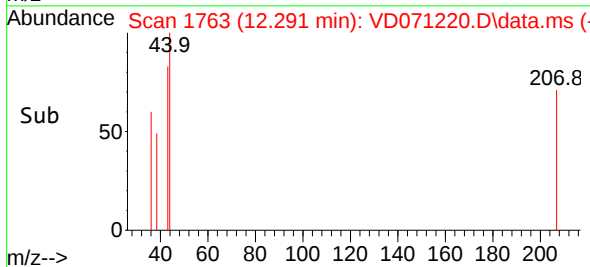
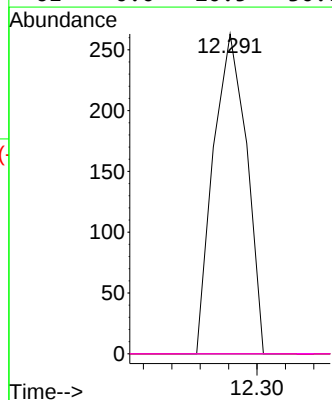
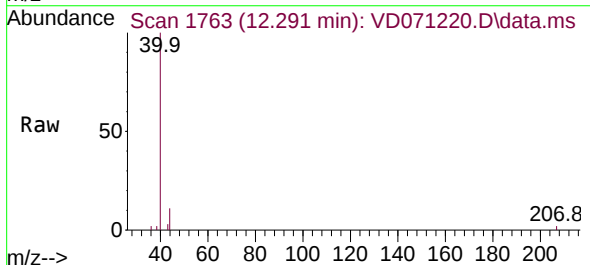
Instrument :
MSVOA_D
ClientSampleId :

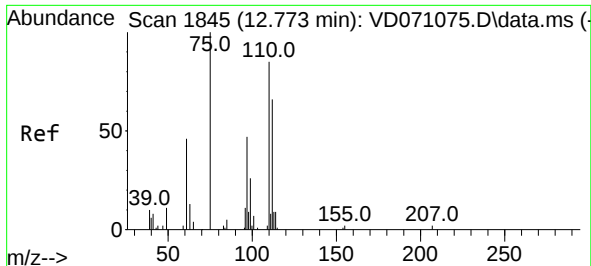
Tgt Ion:152 Resp: 162740
Ion Ratio Lower Upper
152 100
115 62.5 29.8 89.3
150 160.1 0.0 349.2



#74
N-ethyl acetate
Concen: 5.760 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.011 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

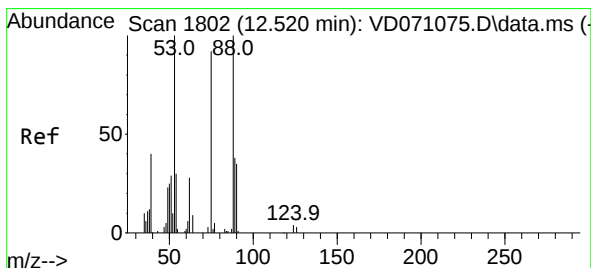
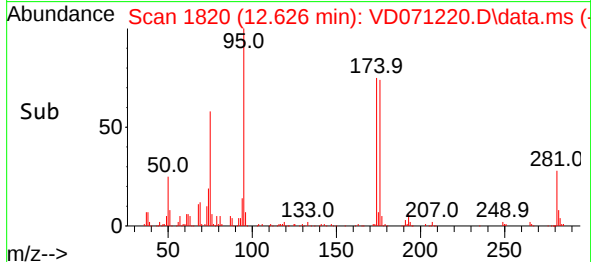
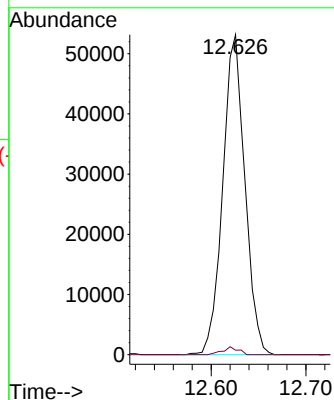
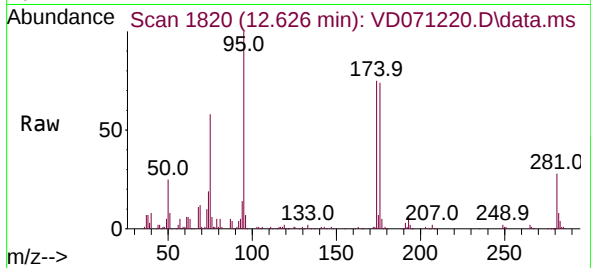




#76
1,2,3-Trichloropropane
Concen: 55.620 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 86239
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.842 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071220.D
Acq: 09 Dec 2021 11:09

Tgt Ion: 75 Resp: 86239
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.4 34.5 51.7#

