

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071304.D
 Acq On : 13 Dec 2021 18:48
 Operator : VA/SY
 Sample : M5022-29
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:15:19 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)

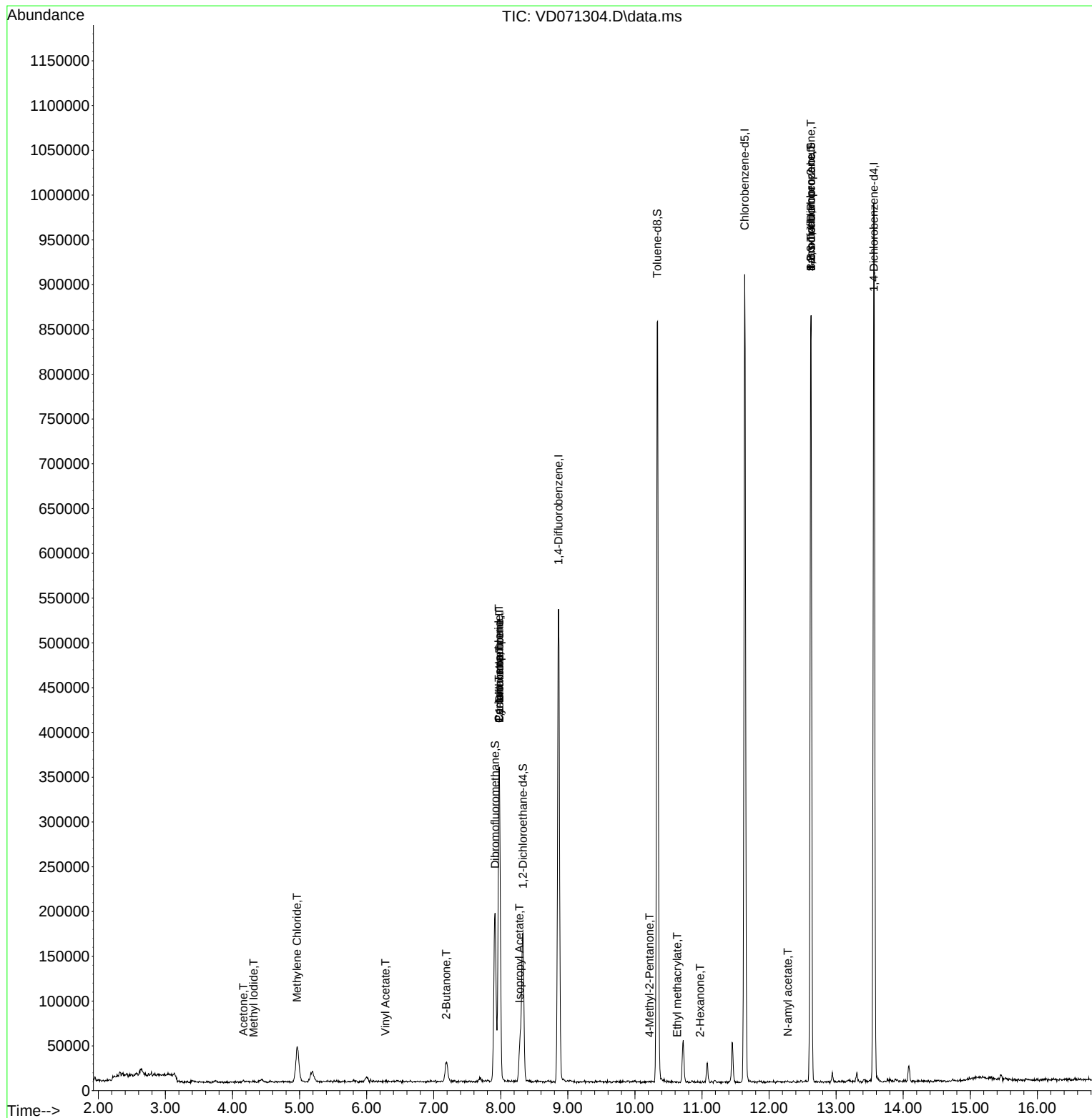
Internal Standards						
1) Pentafluorobenzene	7.979	168	250894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	431611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	473854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	132147	44.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.780%
35) Dibromofluoromethane	7.914	113	131105	47.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.400%
50) Toluene-d8	10.332	98	550257	52.609	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.220%
62) 4-Bromofluorobenzene	12.626	95	235402	64.928	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	129.860%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.314	142	59	4.579	ug/l #	40
11) Tert butyl alcohol	5.191	59	11294	Below Cal	#	73
16) Acetone	4.162	43	3696	34.942	ug/l #	85
20) Methylene Chloride	4.962	84	27333	5.482	ug/l	94
23) Vinyl Acetate	6.279	43	67	27.231	ug/l #	72
25) 2-Butanone	7.185	43	354	28.707	ug/l #	54
31) Cyclohexane	7.979	56	7346	1.467	ug/l #	15
36) 1,1-Dichloropropene	7.979	75	23982	5.945	ug/l #	49
38) Carbon Tetrachloride	7.973	117	26922	6.770	ug/l #	16
41) Methacrylonitrile	7.550	41	181	Below Cal	#	12
43) Isopropyl Acetate	8.279	43	1897	5.666	ug/l #	39
51) 4-Methyl-2-Pentanone	10.220	43	803	31.010	ug/l #	34
56) Ethyl methacrylate	10.632	69	66	5.991	ug/l #	1
59) 2-Hexanone	10.973	43	57	34.607	ug/l #	22
71) Bromoform	12.626	173	1833	1.102	ug/l #	1
74) N-amyl acetate	12.279	43	132	5.726	ug/l #	36
76) 1,2,3-Trichloropropane	12.626	75	132360	58.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	132360	126.008	ug/l #	18

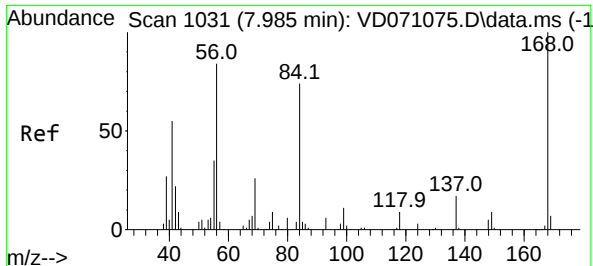
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 08:15:19 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

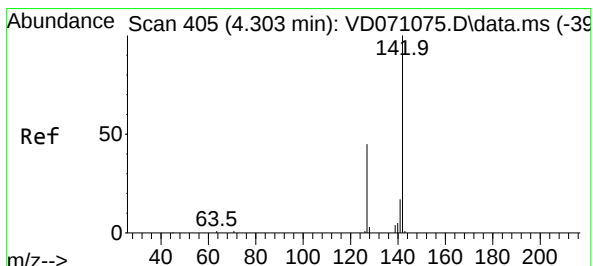
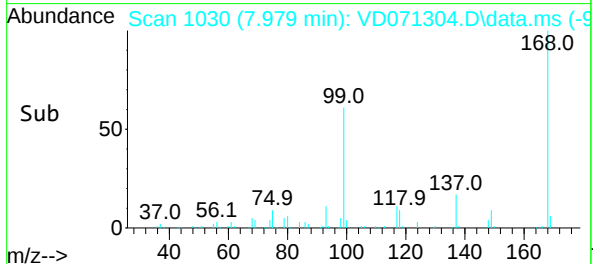
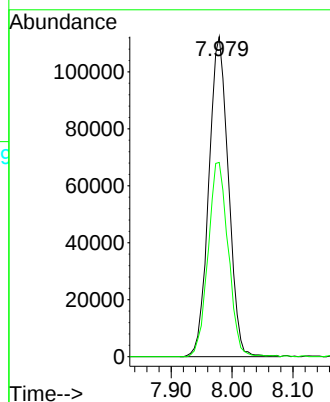
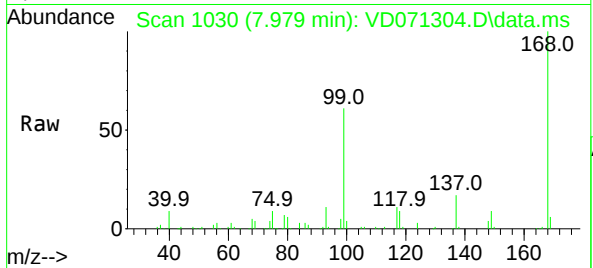




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

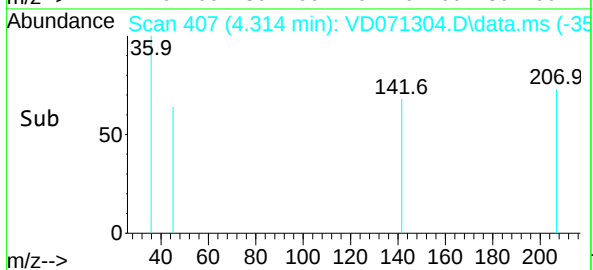
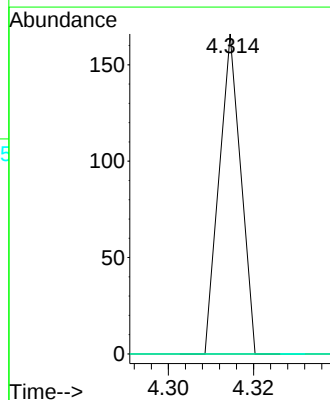
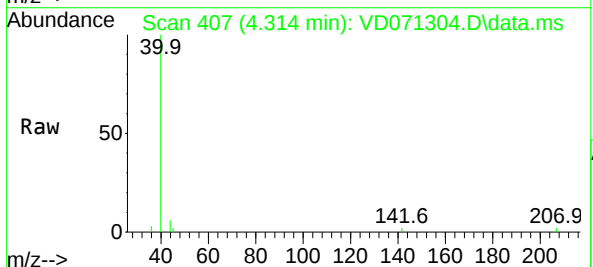
Instrument :
MSVOA_D
ClientSampleId :

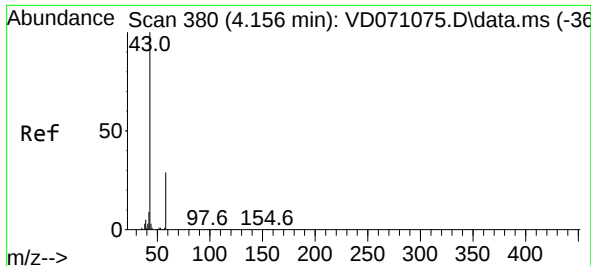
Tgt Ion:168 Resp: 250894
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.579 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

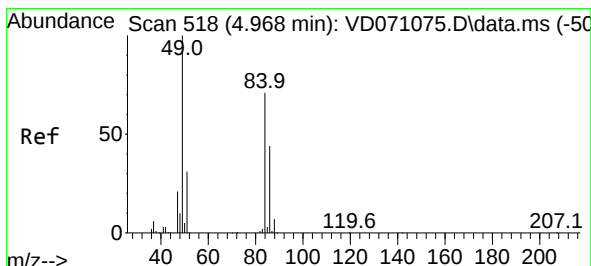
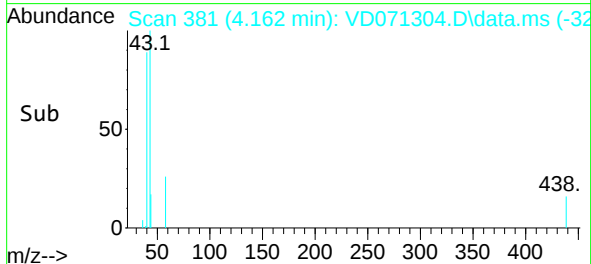
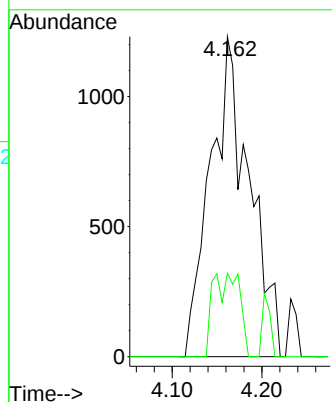
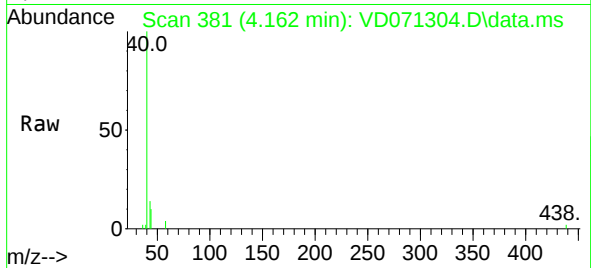




#16
Acetone
Concen: 34.942 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

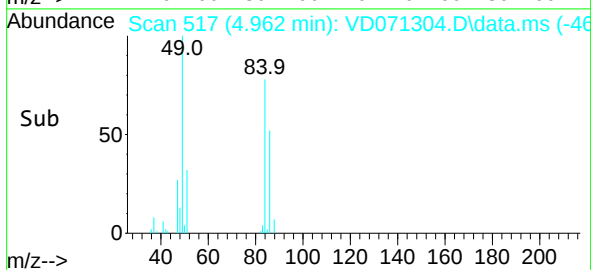
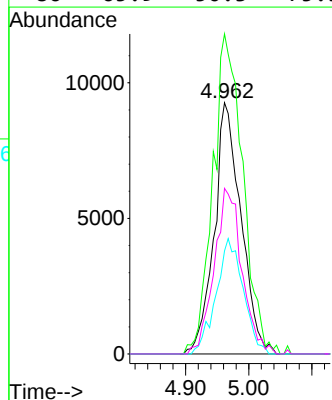
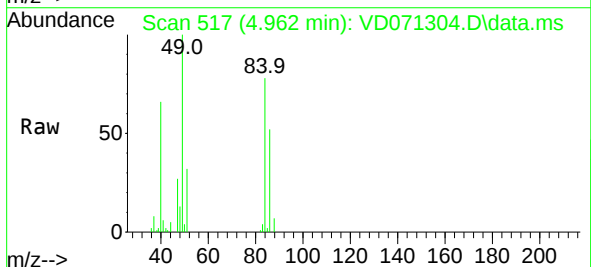
Instrument :
MSVOA_D
ClientSampleId :

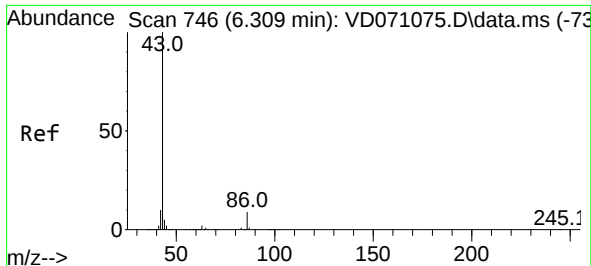
Tgt Ion: 43 Resp: 3696
Ion Ratio Lower Upper
43 100
58 26.1 27.8 41.8#



#20
Methylene Chloride
Concen: 5.482 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion: 84 Resp: 27333
Ion Ratio Lower Upper
84 100
49 127.4 95.8 143.6
51 41.0 30.9 46.3
86 65.9 50.3 75.5

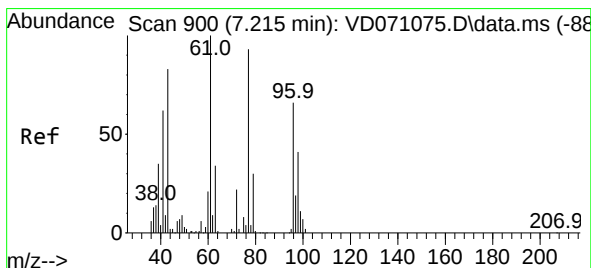
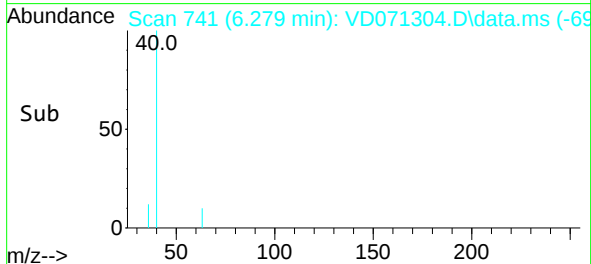
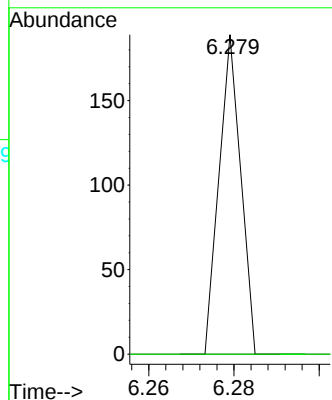
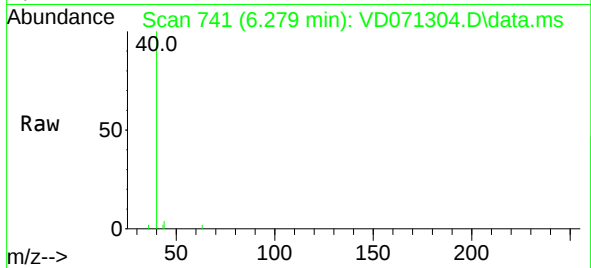




#23
 Vinyl Acetate
 Concen: 27.231 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.030 min
 Lab File: VD071304.D
 Acq: 13 Dec 2021 18:48

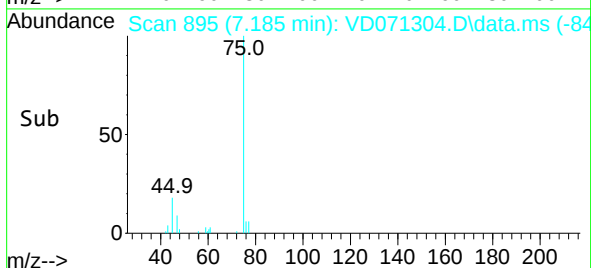
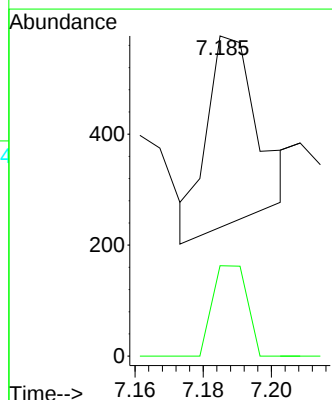
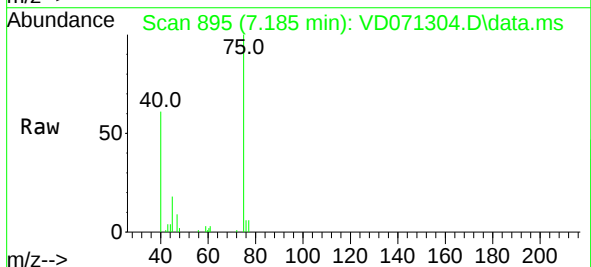
Instrument :
 MSVOA_D
 ClientSampleId :

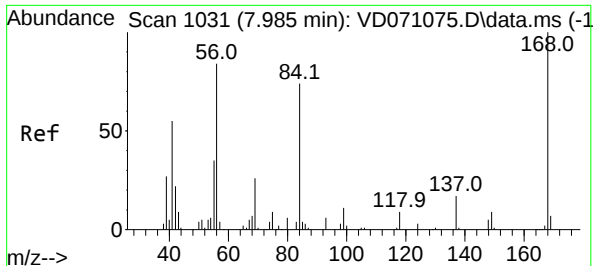
Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.707 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071304.D
 Acq: 13 Dec 2021 18:48

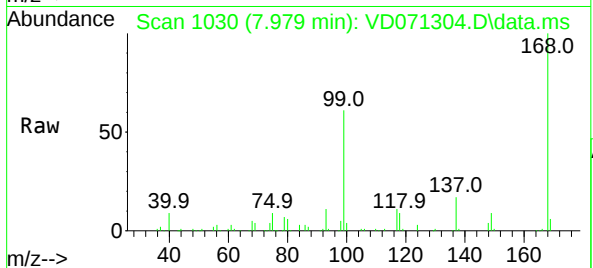
Tgt Ion: 43 Resp: 354
 Ion Ratio Lower Upper
 43 100
 72 54.3 23.8 35.6#



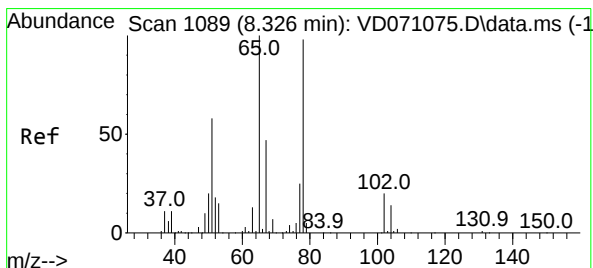
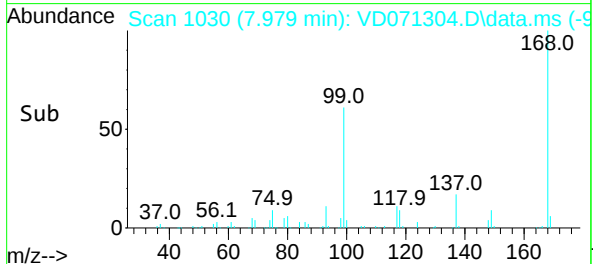
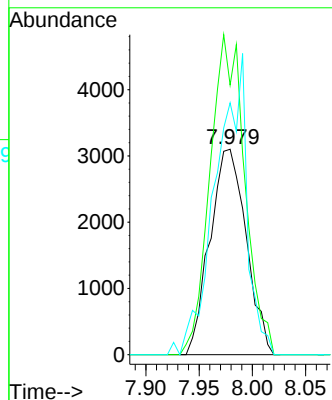


#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

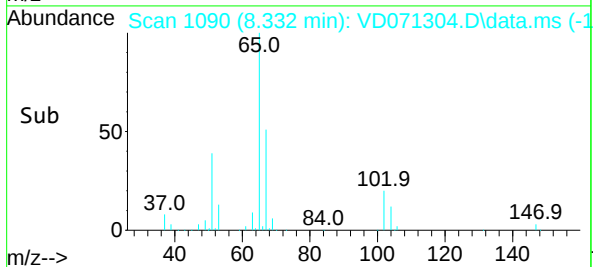
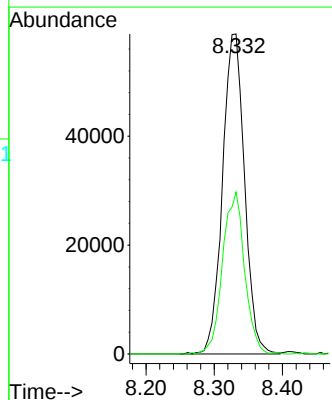
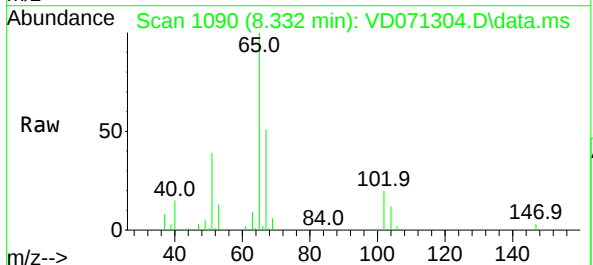


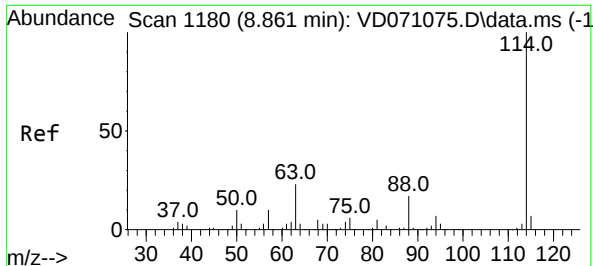
Tgt Ion: 56 Resp: 7346
Ion Ratio Lower Upper
56 100
69 131.3 25.9 38.9#
84 122.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 44.888 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion: 65 Resp: 132147
Ion Ratio Lower Upper
65 100
67 50.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071304.D

Acq: 13 Dec 2021 18:48

Instrument :

MSVOA_D

ClientSampleId :

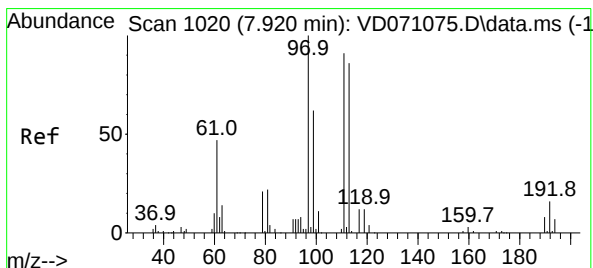
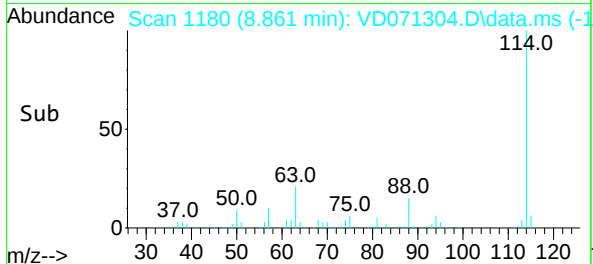
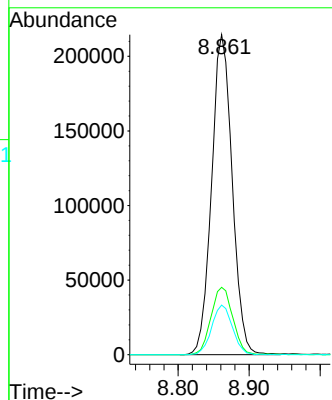
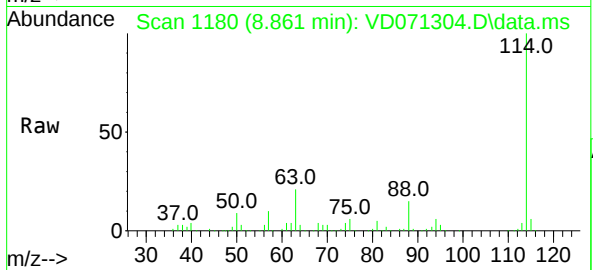
Tgt Ion:114 Resp: 431611

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.701 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071304.D

Acq: 13 Dec 2021 18:48

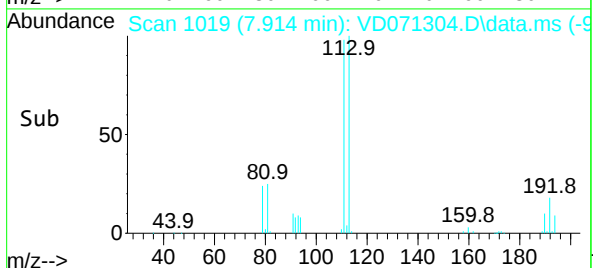
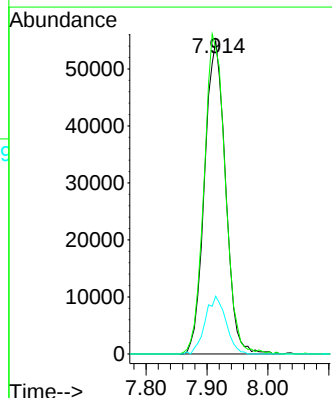
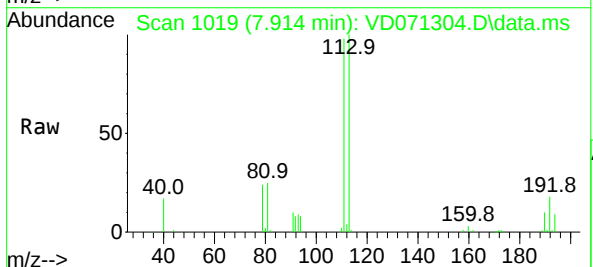
Tgt Ion:113 Resp: 131105

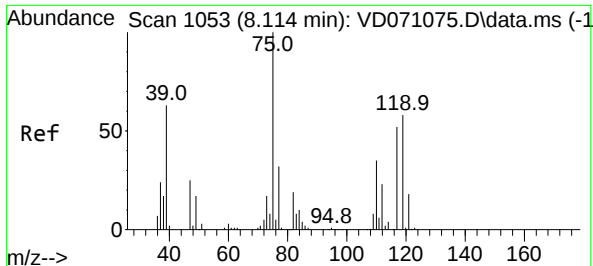
Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.945 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071304.D

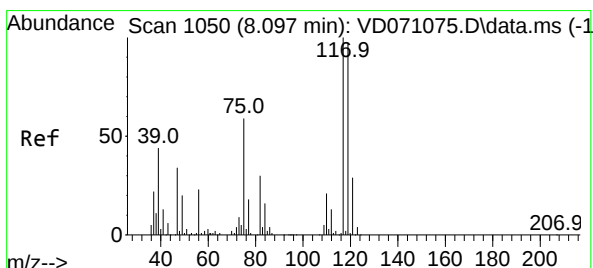
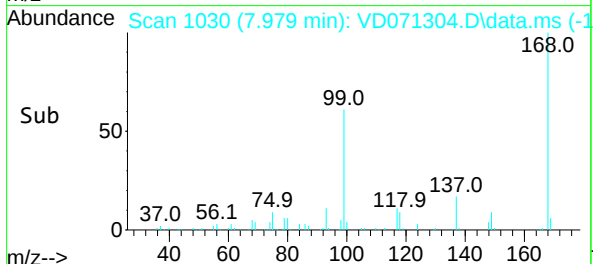
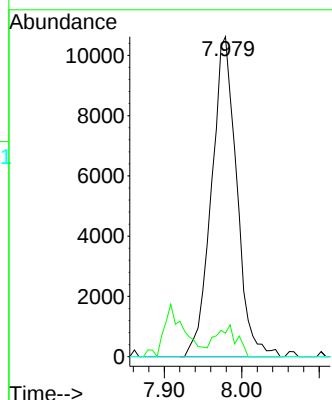
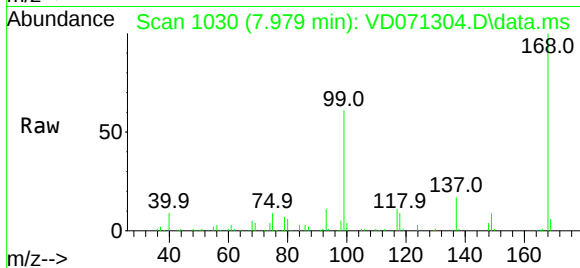
Acq: 13 Dec 2021 18:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 23982
Ion Ratio	Lower Upper
75 100	
110 8.1	17.8 53.4#
77 0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.770 ug/l

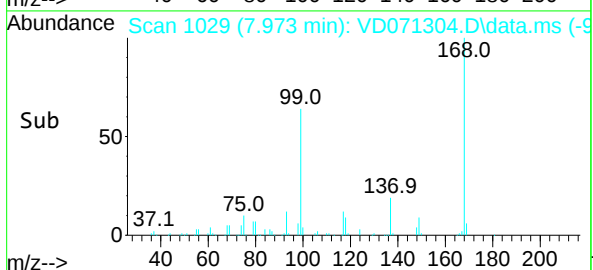
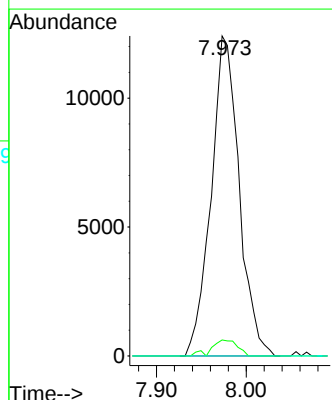
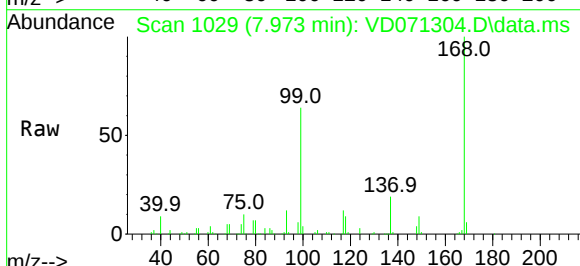
RT: 7.973 min Scan# 1029

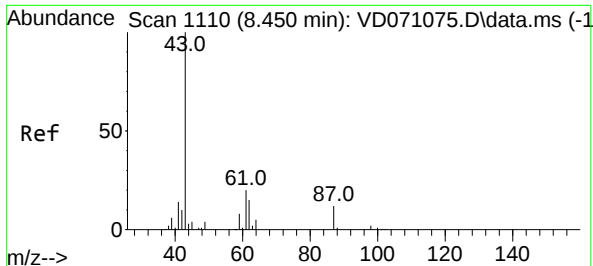
Delta R.T. -0.124 min

Lab File: VD071304.D

Acq: 13 Dec 2021 18:48

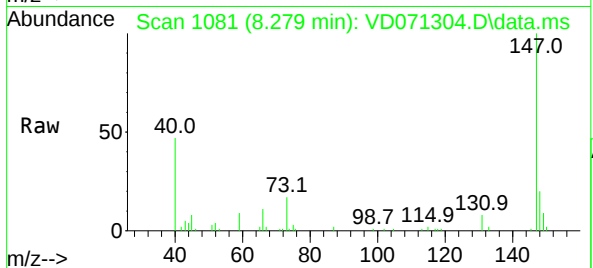
Tgt Ion: 117	Resp: 26922
Ion Ratio	Lower Upper
117 100	
119 5.0	75.8 113.6#
121 0.0	23.6 35.4#



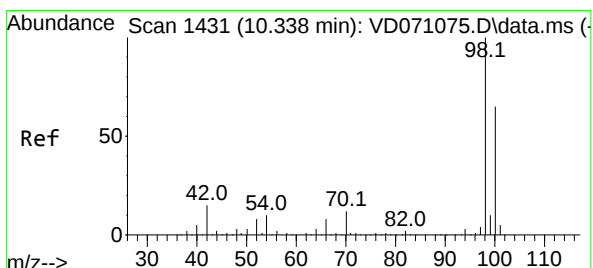
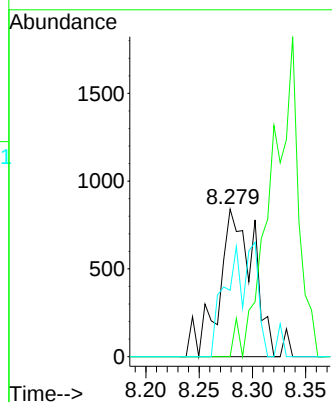
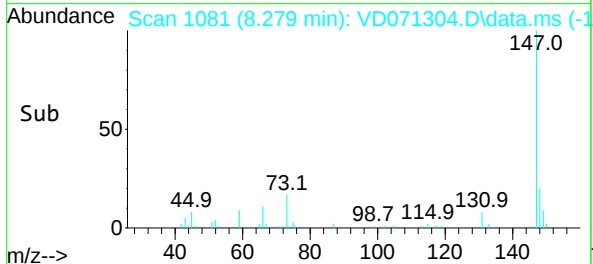


#43
Isopropyl Acetate
Concen: 5.666 ug/l
RT: 8.279 min Scan# 1081
Delta R.T. -0.171 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

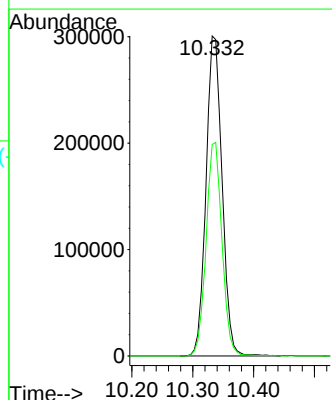
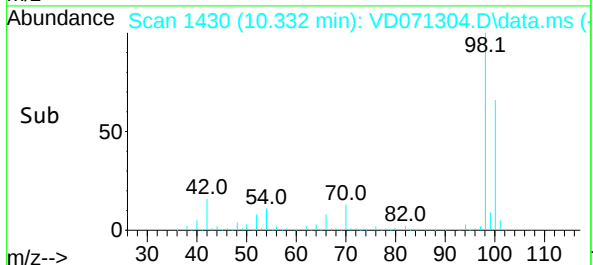
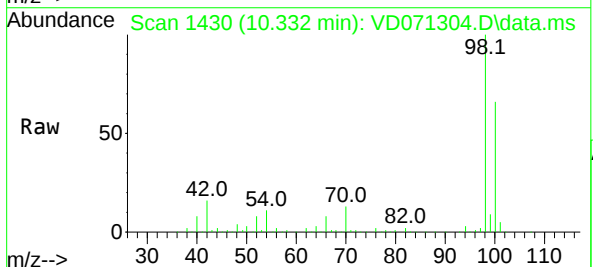


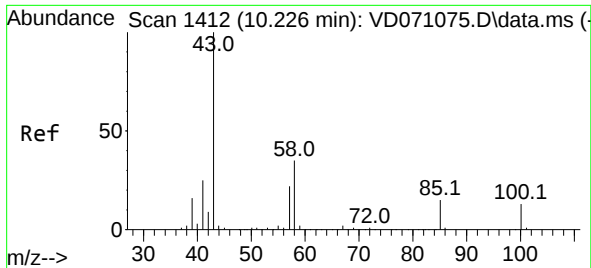
Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 37.8 10.7 16.1#



#50
Toluene-d8
Concen: 52.609 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion: 98 Resp: 550257
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6

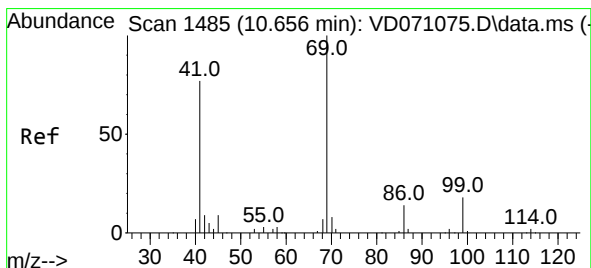
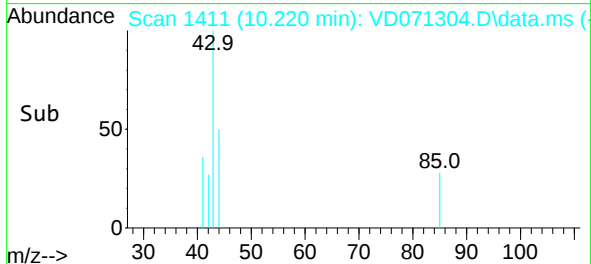
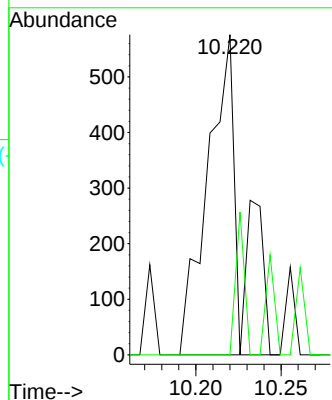
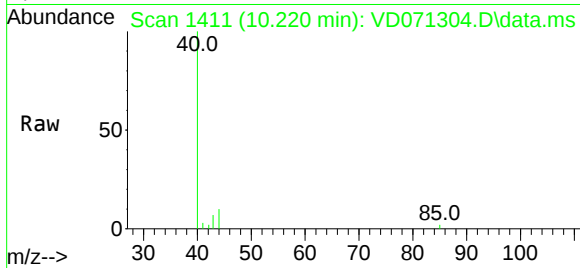




#51
4-Methyl-2-Pentanone
Concen: 31.010 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

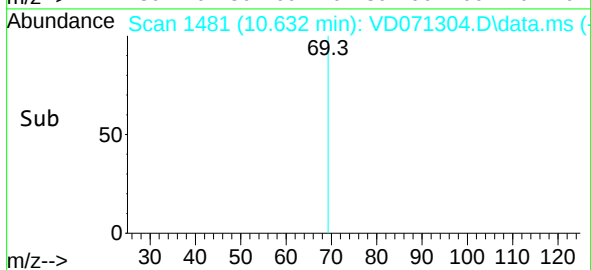
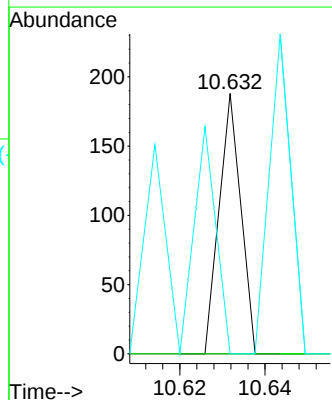
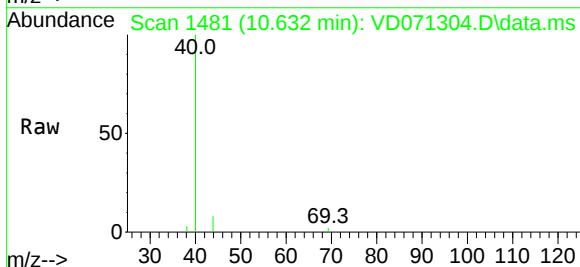
Instrument :
MSVOA_D
ClientSampleId :

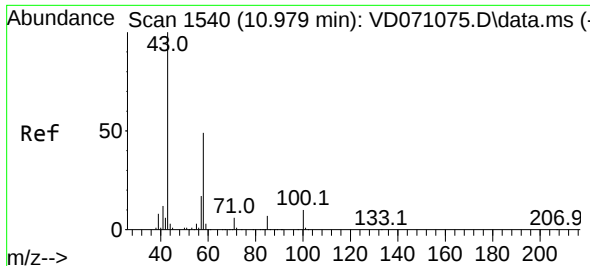
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.991 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.024 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

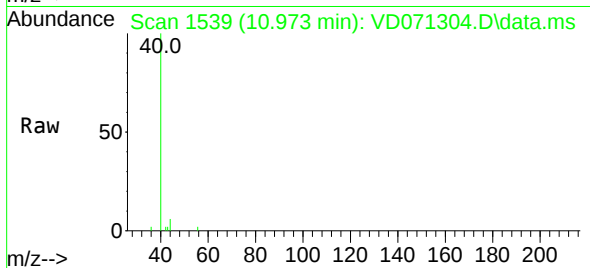
Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 124.2 19.8 29.8#



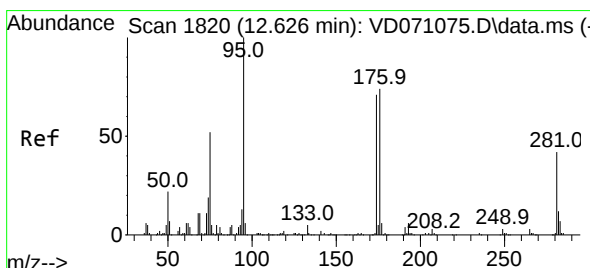
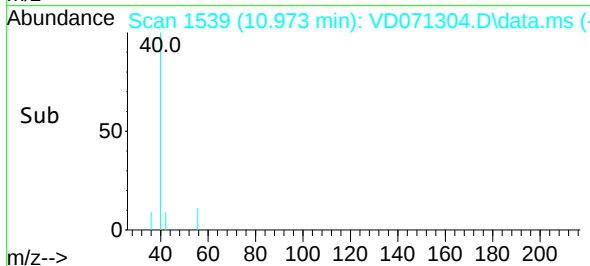
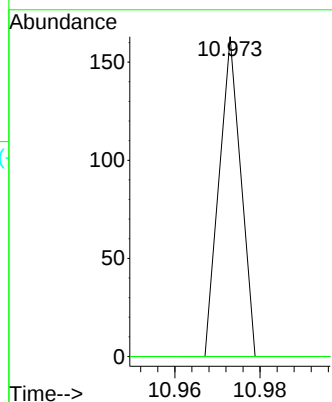


#59
2-Hexanone
Concen: 34.607 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

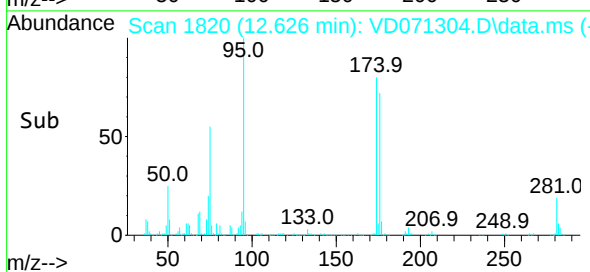
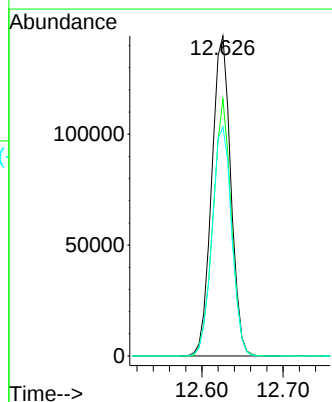
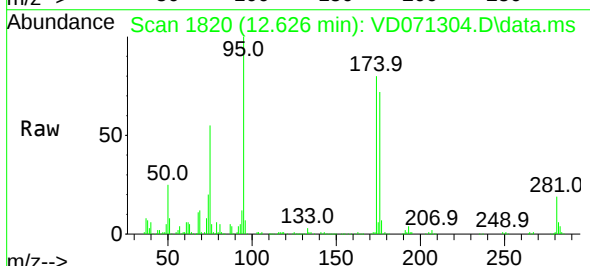


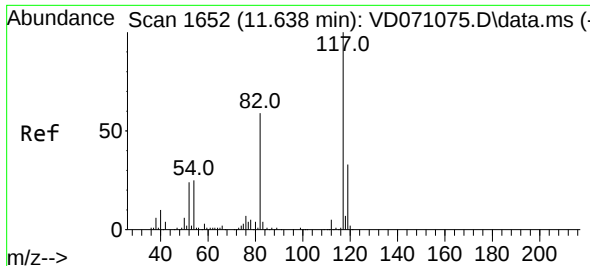
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 64.928 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

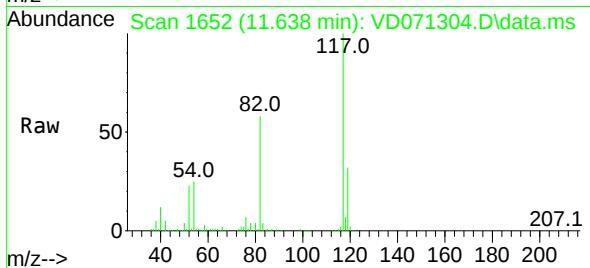
Tgt Ion: 95 Resp: 235402
Ion Ratio Lower Upper
95 100
174 76.8 0.0 159.4
176 73.8 0.0 154.0



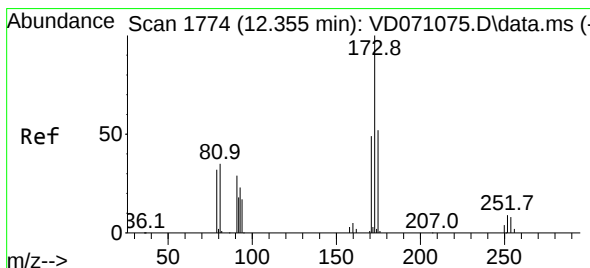
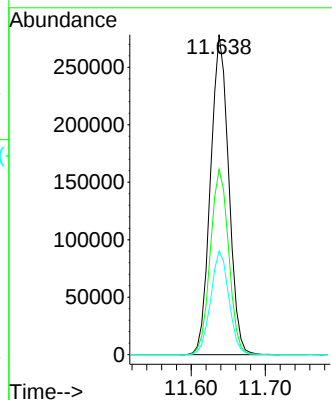
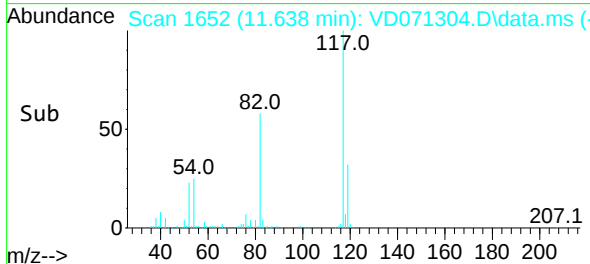


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

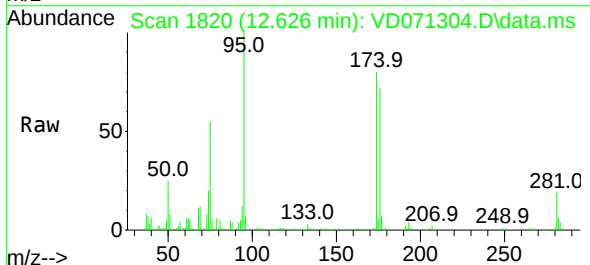
Instrument :
MSVOA_D
ClientSampleId :



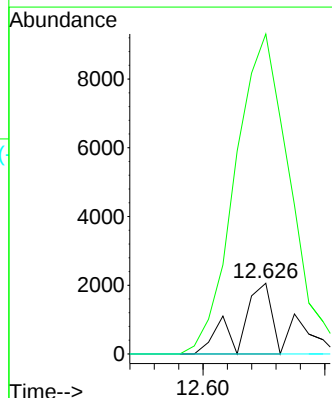
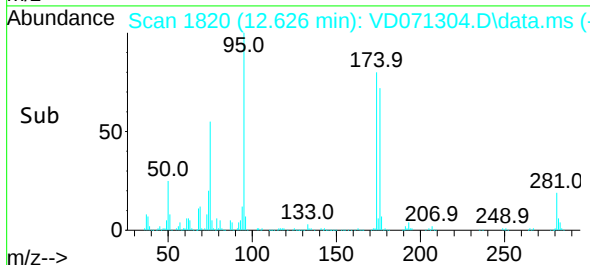
Tgt Ion:117 Resp: 473854
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 32.3 26.2 39.4

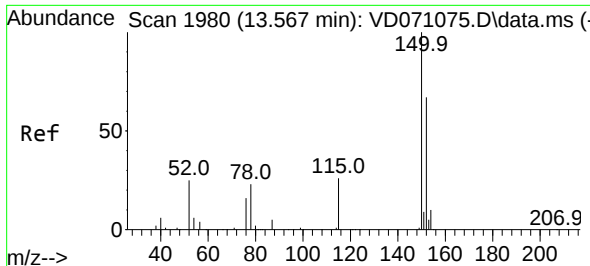


#71
Bromoform
Concen: 1.102 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48



Tgt Ion:173 Resp: 1833
Ion Ratio Lower Upper
173 100
175 656.3 24.1 72.2#
254 0.0 0.1 0.1#

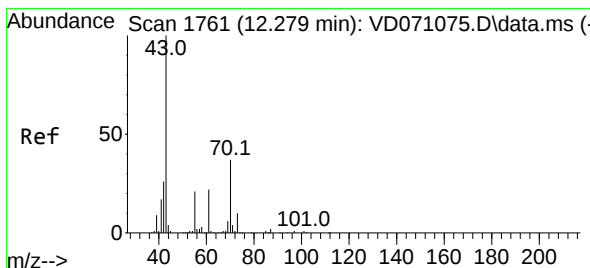
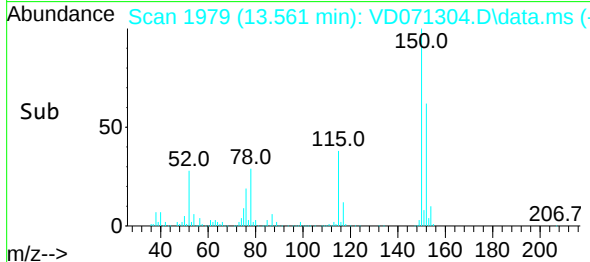
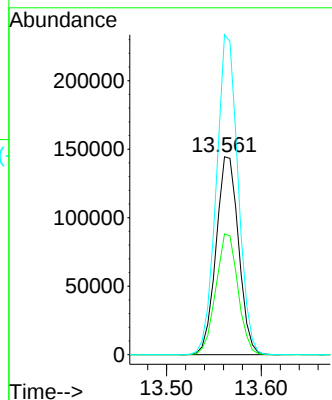
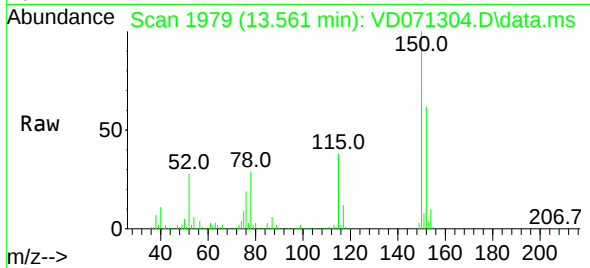




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

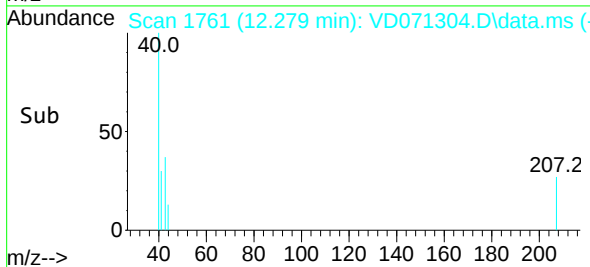
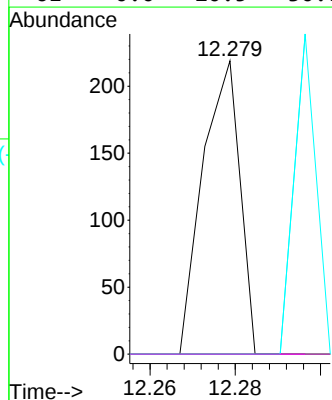
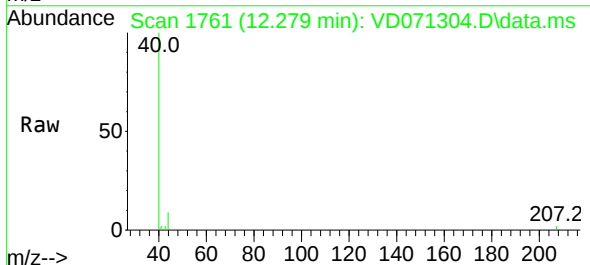
Instrument :
MSVOA_D
ClientSampleId :

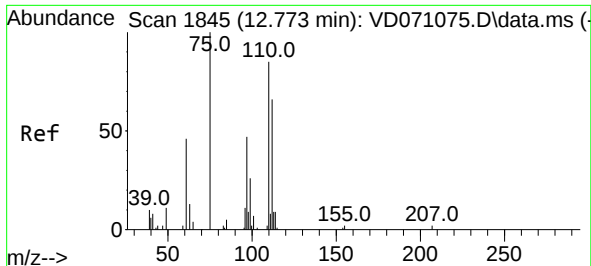
Tgt Ion:152 Resp: 239042
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 156.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.726 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 63.6 22.5 33.7#
61 0.0 20.5 30.7#

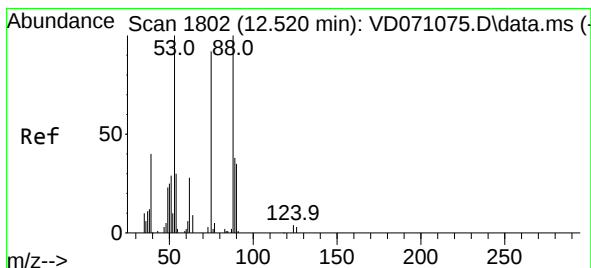
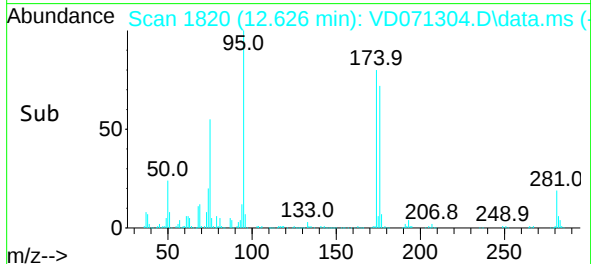
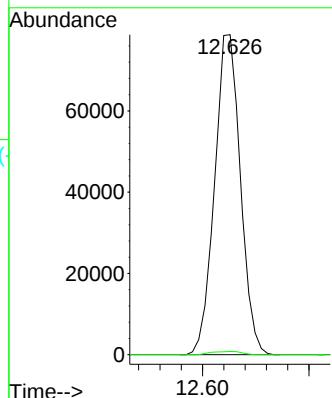
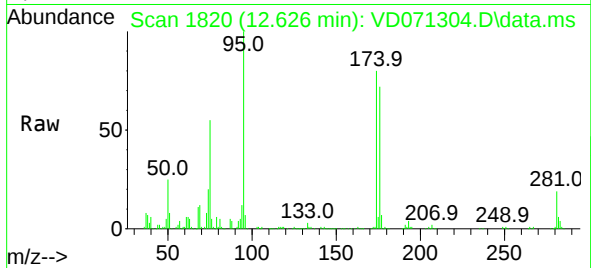




#76
1,2,3-Trichloropropane
Concen: 58.117 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 132360
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.008 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071304.D
Acq: 13 Dec 2021 18:48

Tgt Ion: 75 Resp: 132360
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.4 34.5 51.7#

