

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071211.D
 Acq On : 08 Dec 2021 17:50
 Operator : VA/SY
 Sample : M4966-27
 Misc : 6.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:18:41 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)

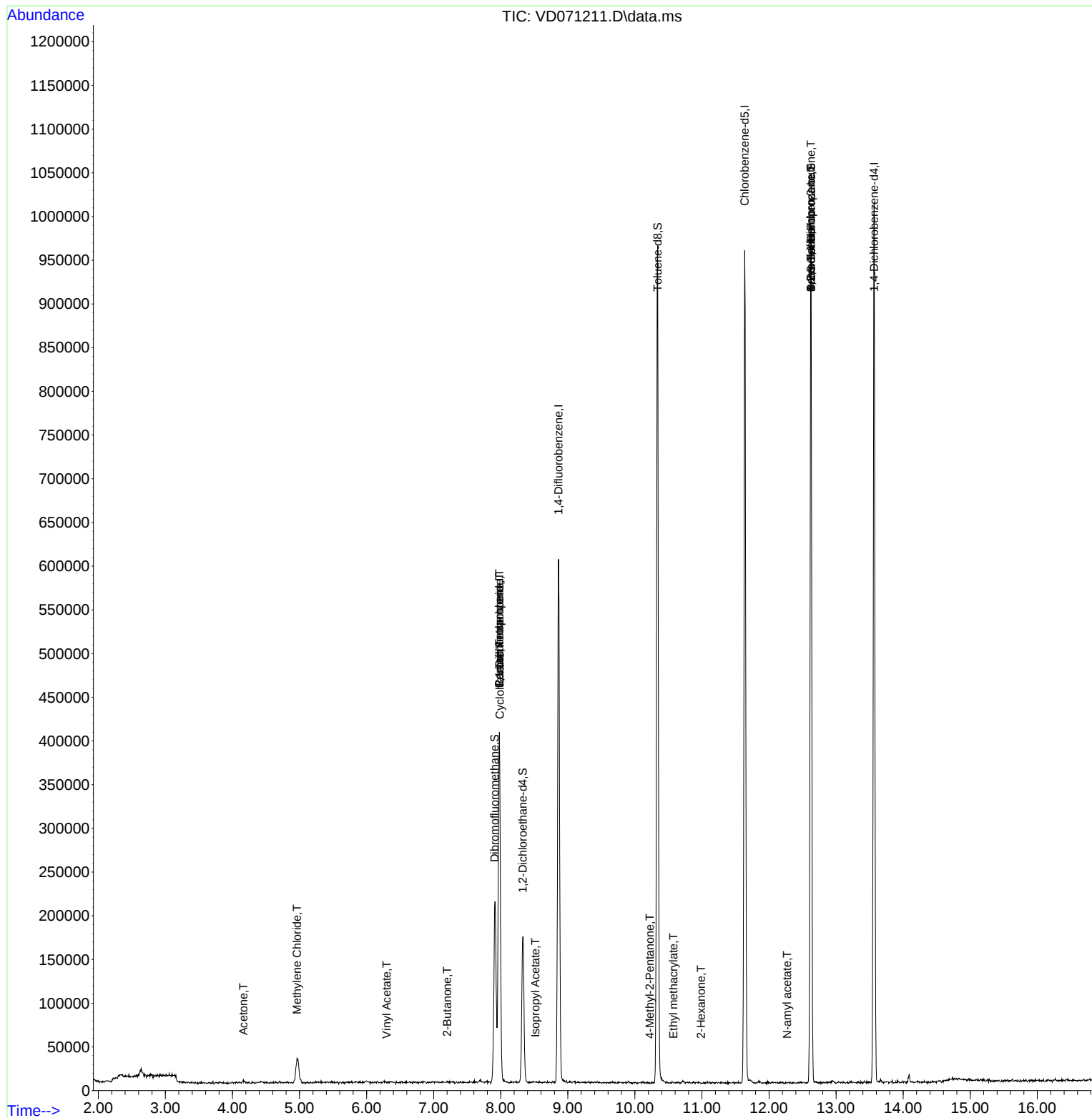
Internal Standards						
1) Pentafluorobenzene	7.979	168	278142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	476089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	507341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	240438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135270	41.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.900%		
35) Dibromofluoromethane	7.909	113	145757	48.078	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.160%		
50) Toluene-d8	10.338	98	616753	53.458	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.920%		
62) 4-Bromofluorobenzene	12.626	95	249672	62.431	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	124.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.209	59	77	Below Cal	#	71
16) Acetone	4.162	43	3738	34.578	ug/l	93
20) Methylene Chloride	4.962	84	20412	2.206	ug/l	91
23) Vinyl Acetate	6.297	43	55	27.228	ug/l #	72
25) 2-Butanone	7.203	43	72	28.423	ug/l #	45
31) Cyclohexane	7.985	56	8554	1.541	ug/l #	32
36) 1,1-Dichloropropene	7.979	75	26593	5.976	ug/l #	49
38) Carbon Tetrachloride	7.979	117	31037	7.076	ug/l #	18
41) Methacrylonitrile	7.526	41	68	Below Cal	#	42
43) Isopropyl Acetate	8.514	43	79	5.240	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	162	30.717	ug/l #	34
56) Ethyl methacrylate	10.573	69	62	5.988	ug/l #	1
59) 2-Hexanone	10.985	43	93	34.623	ug/l #	22
71) Bromoform	12.626	173	3312	1.860	ug/l #	1
74) N-amyl acetate	12.267	43	63	5.713	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	138051	60.264	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	138051	130.450	ug/l #	19

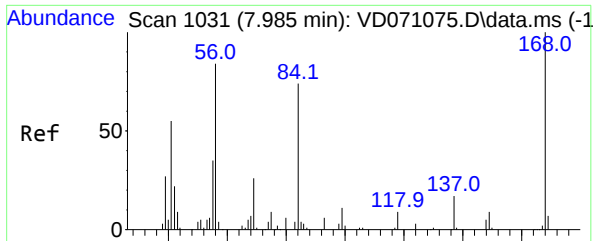
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 10:18:41 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

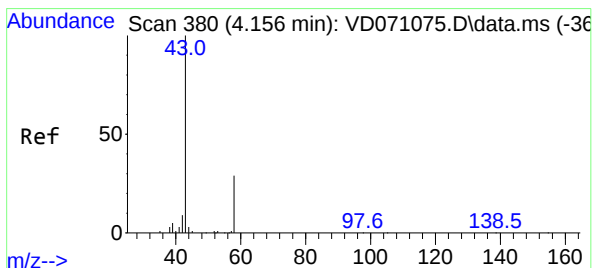
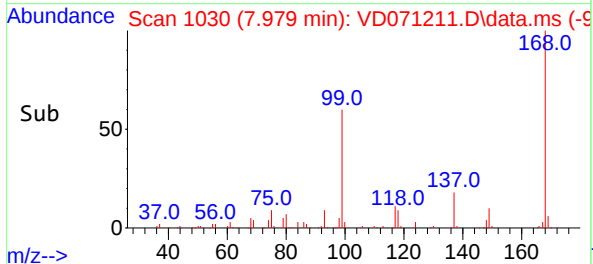
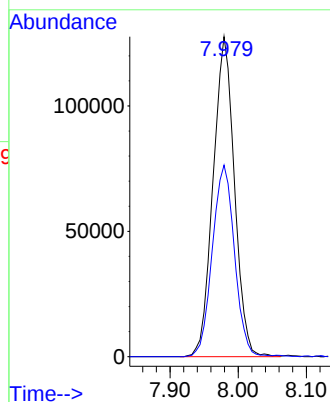
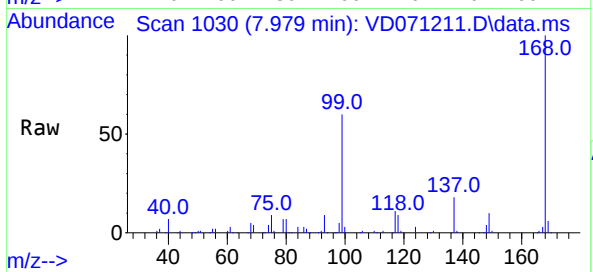




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

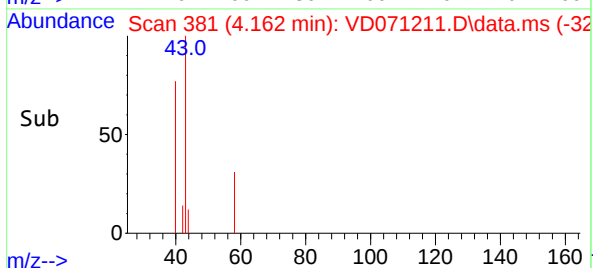
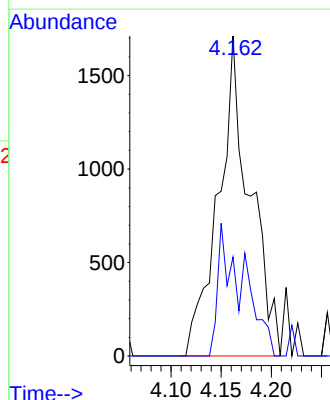
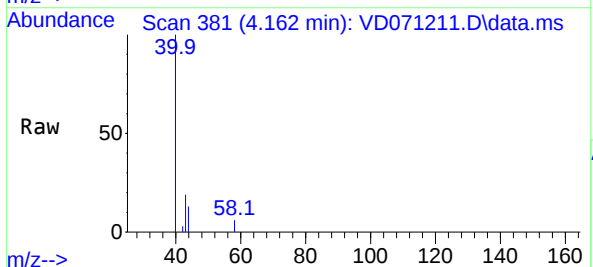
Instrument :
MSVOA_D
ClientSampleId :

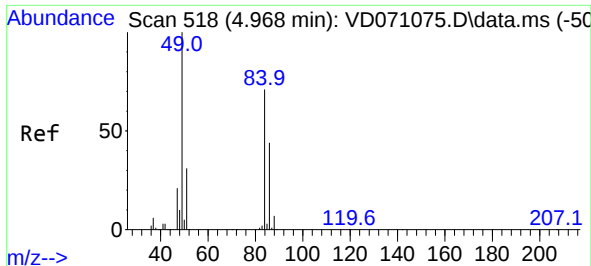
Tgt Ion:168 Resp: 278142
Ion Ratio Lower Upper
168 100
99 59.8 46.6 69.8



#16
Acetone
Concen: 34.578 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

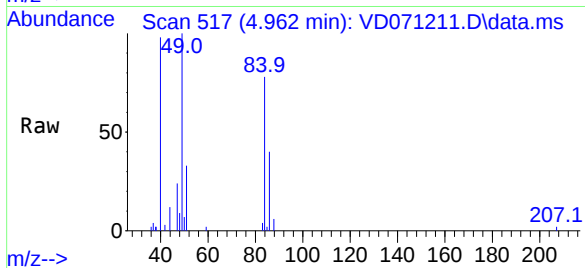
Tgt Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
58 30.9 27.8 41.8





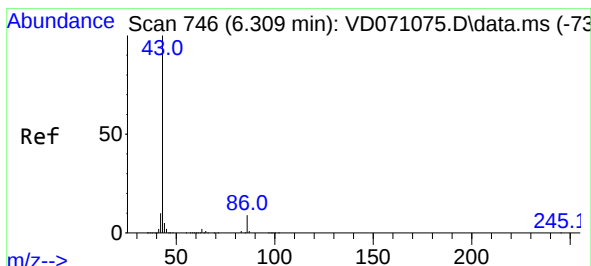
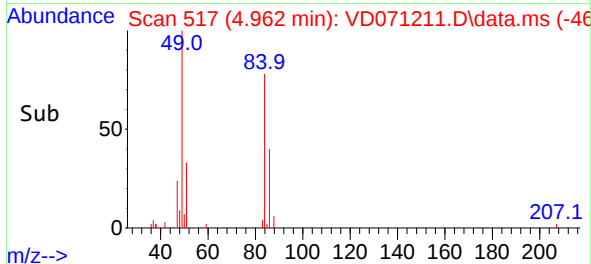
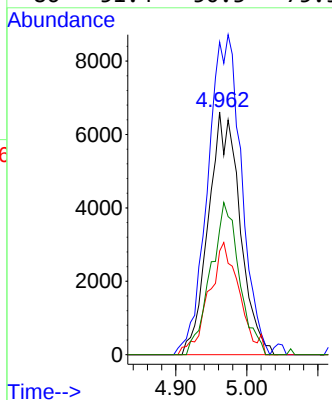
#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 20412

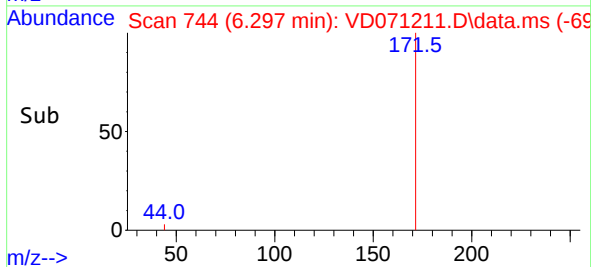
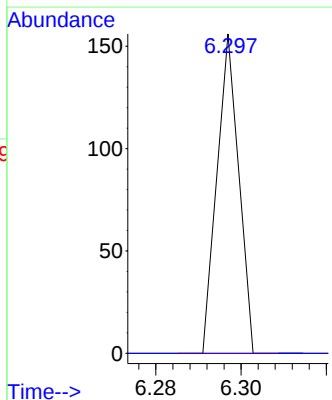
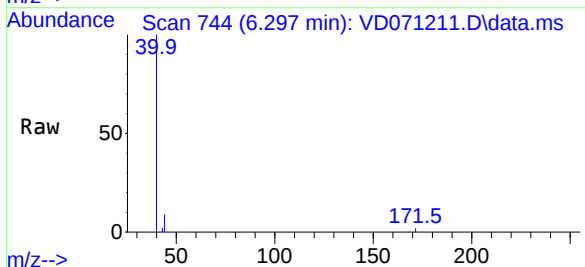
Ion	Ratio	Lower	Upper
84	100		
49	126.2	95.8	143.6
51	42.7	30.9	46.3
86	51.4	50.3	75.5

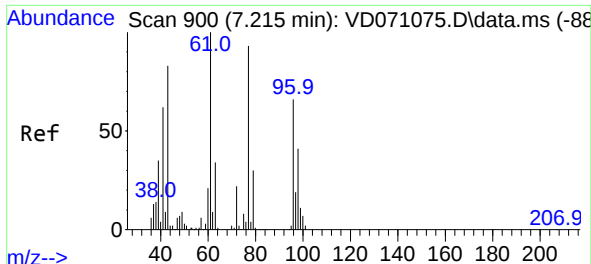


#23
Vinyl Acetate
Concen: 27.228 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4





#25

2-Butanone

Concen: 28.423 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.012 min

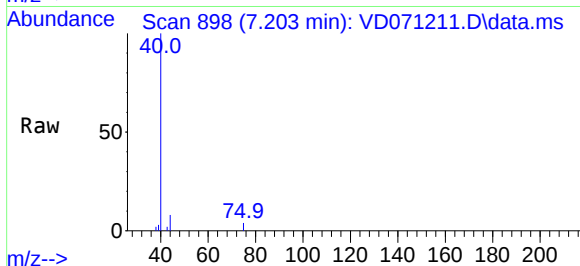
Lab File: VD071211.D

Acq: 08 Dec 2021 17:50

Instrument :

MSVOA_D

ClientSampleId :

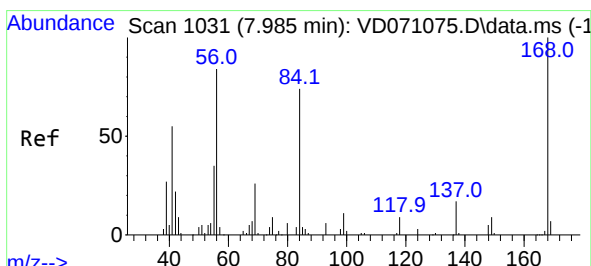
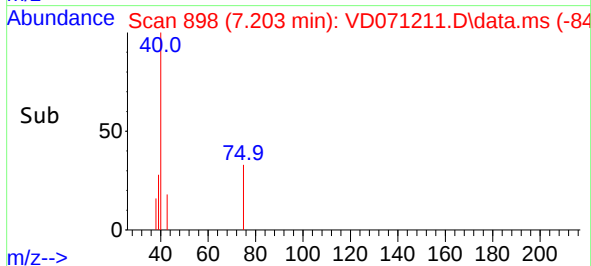
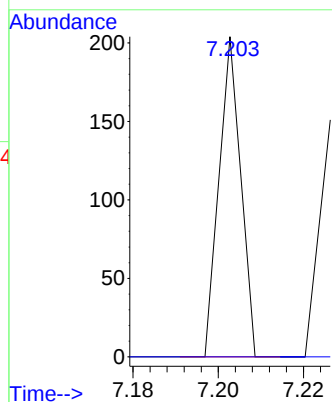


Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.541 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD071211.D

Acq: 08 Dec 2021 17:50

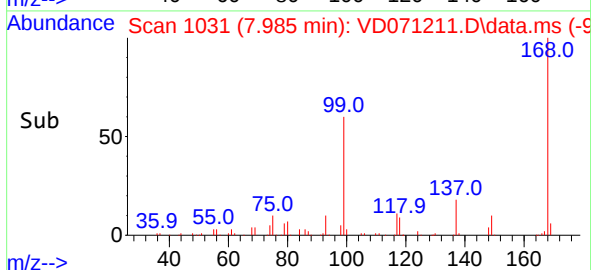
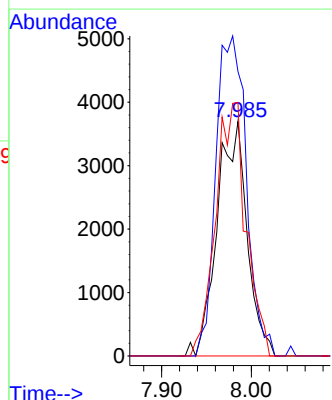
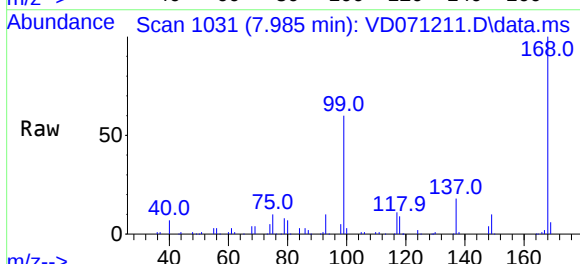
Tgt Ion: 56 Resp: 8554

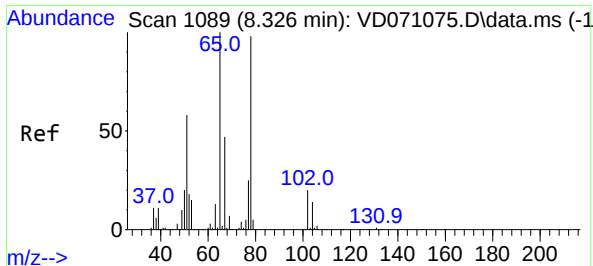
Ion Ratio Lower Upper

56 100

69 121.3 25.9 38.9#

84 108.1 64.3 96.5#

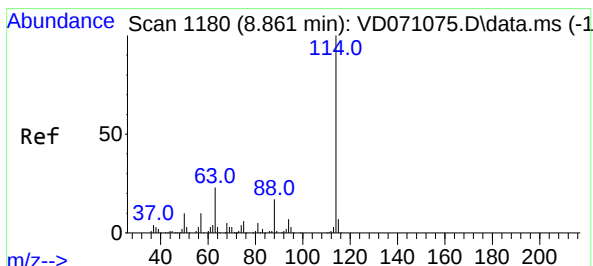
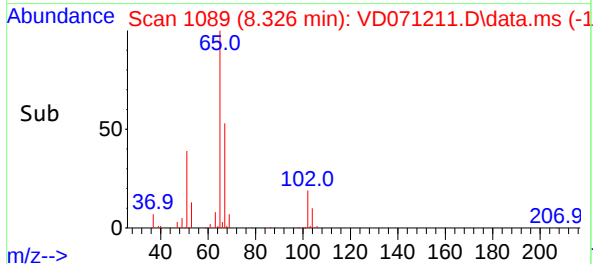
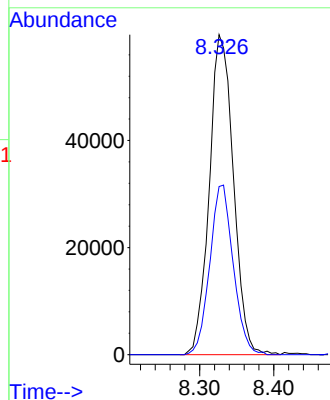
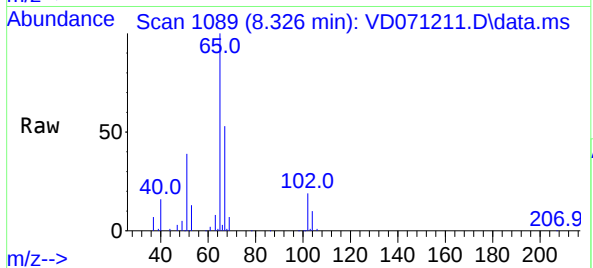




#33
1,2-Dichloroethane-d4
Concen: 41.447 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

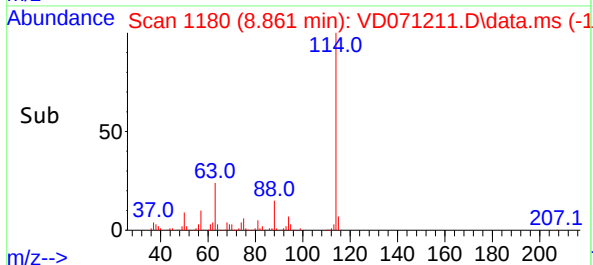
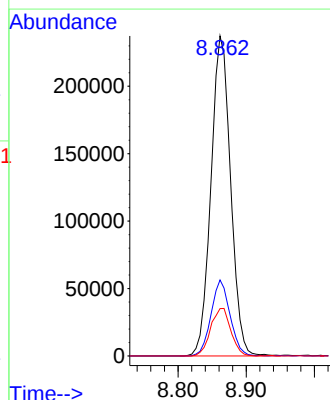
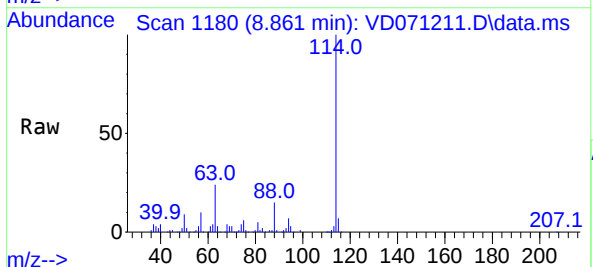
Instrument :
MSVOA_D
ClientSampleId :

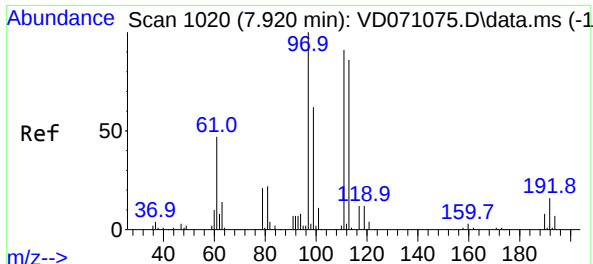
Tgt Ion: 65 Resp: 135270
Ion Ratio Lower Upper
65 100
67 51.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

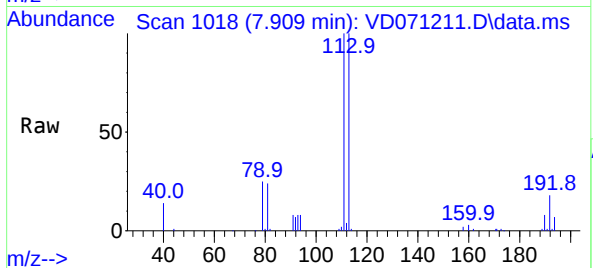
Tgt Ion:114 Resp: 476089
Ion Ratio Lower Upper
114 100
63 23.7 0.0 41.8
88 14.8 0.0 32.8



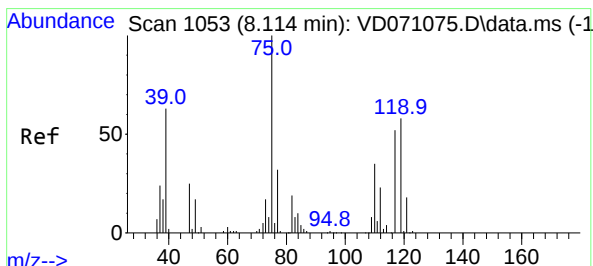
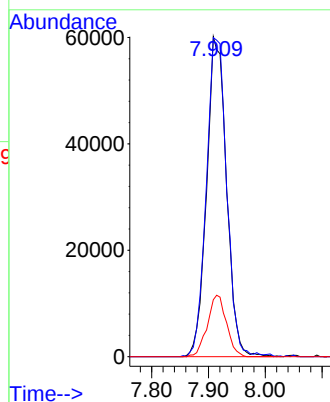
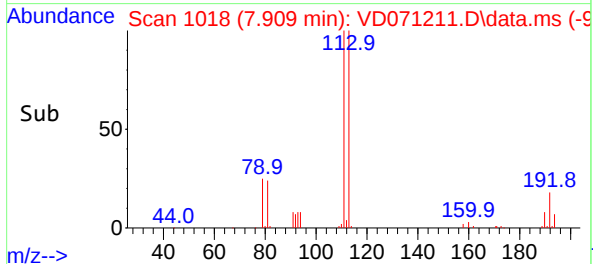


#35
Dibromofluoromethane
Concen: 48.078 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Instrument :
MSVOA_D
ClientSampleId :

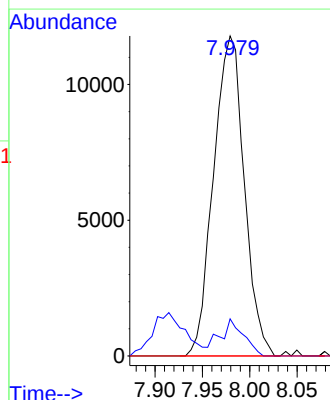
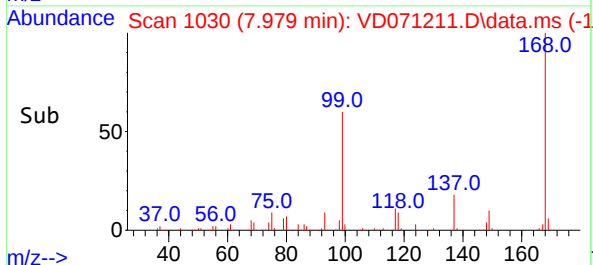
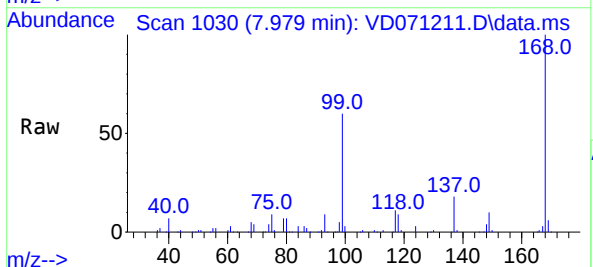


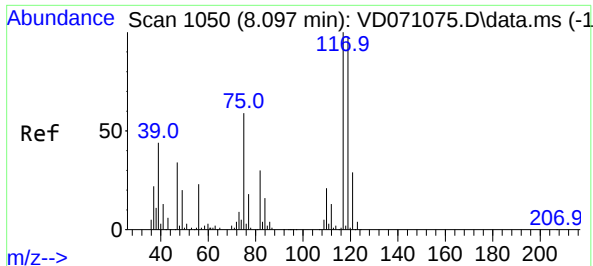
Tgt Ion:113 Resp: 145757
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 18.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.976 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

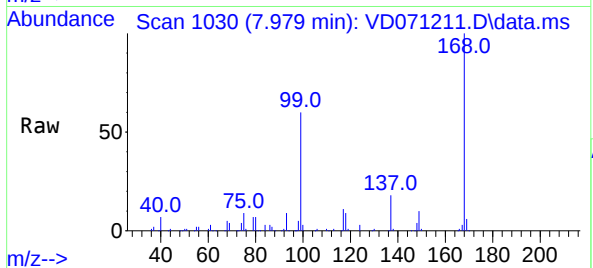
Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.4#
77 0.0 24.8 37.2#



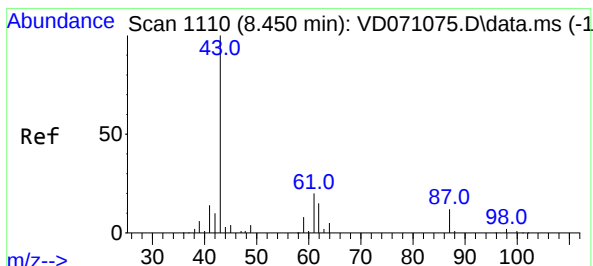
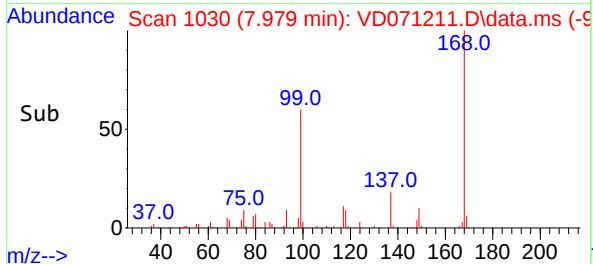
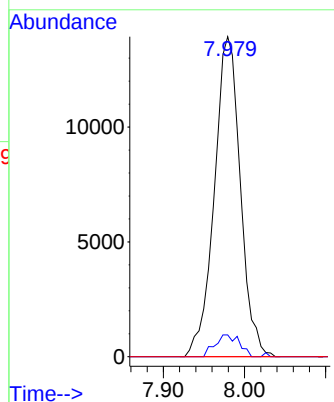


#38
Carbon Tetrachloride
Concen: 7.076 ug/l
RT: 7.979 min Scan# 11030
Delta R.T. -0.118 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Instrument :
MSVOA_D
ClientSampleId :

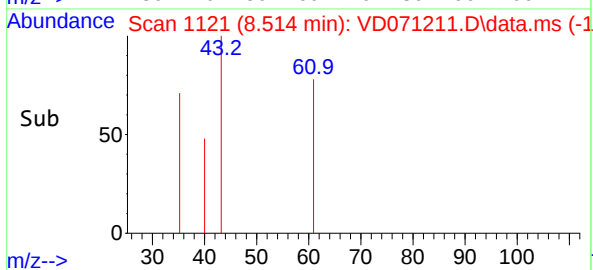
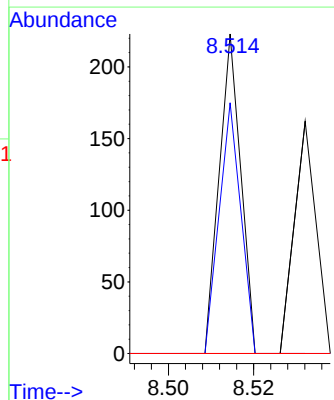
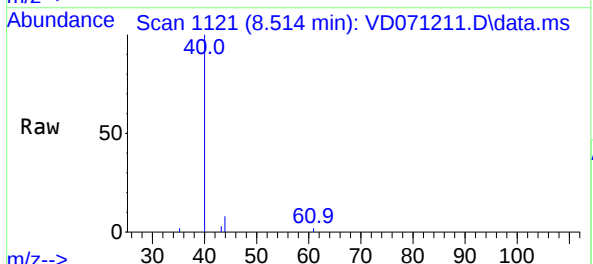


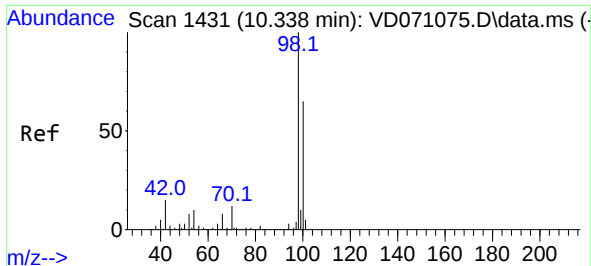
Tgt Ion:117 Resp: 31037
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.240 ug/l
RT: 8.514 min Scan# 1121
Delta R.T. 0.064 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

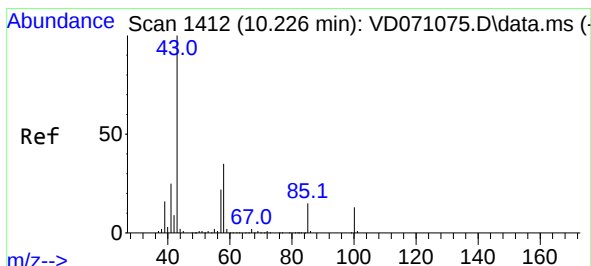
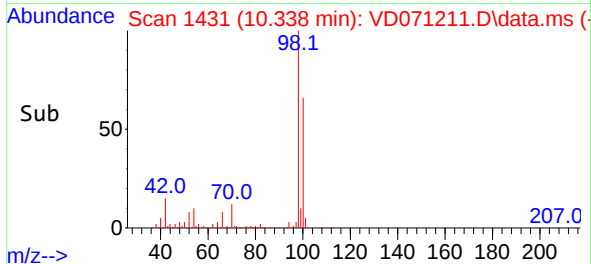
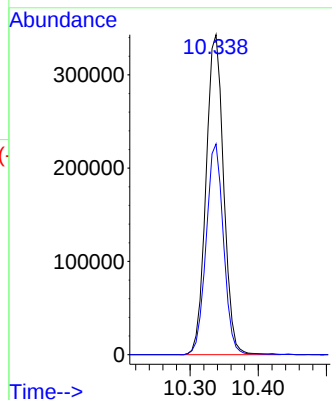
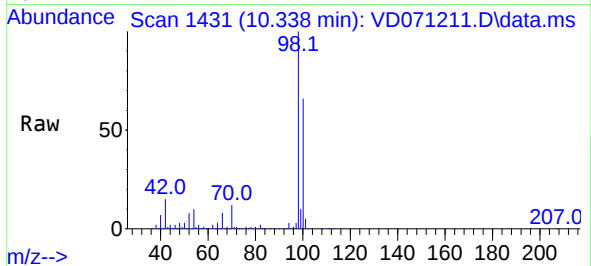




#50
Toluene-d8
Concen: 53.458 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

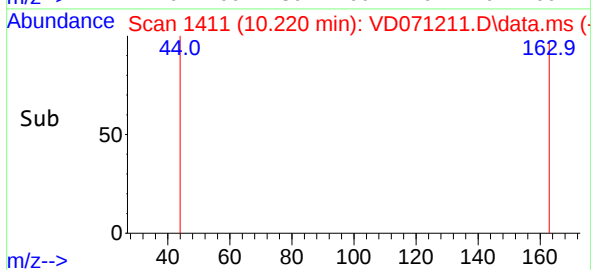
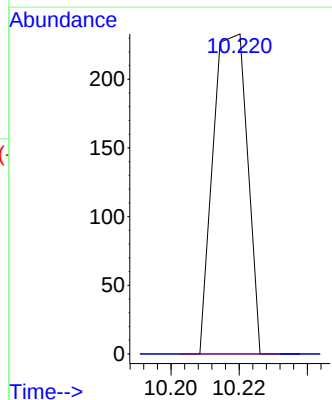
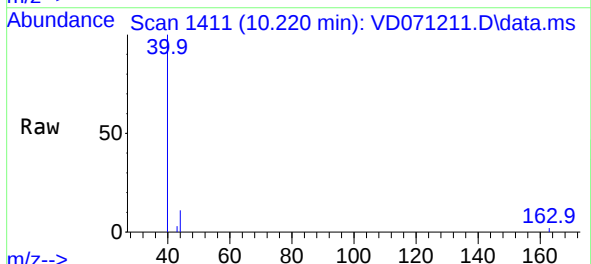
Instrument :
MSVOA_D
ClientSampleId :

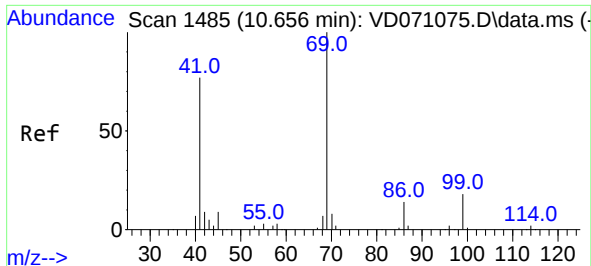
Tgt Ion: 98 Resp: 616753
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.717 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

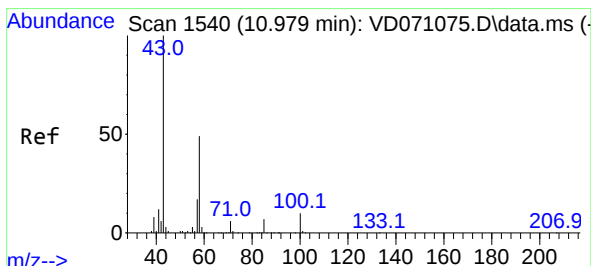
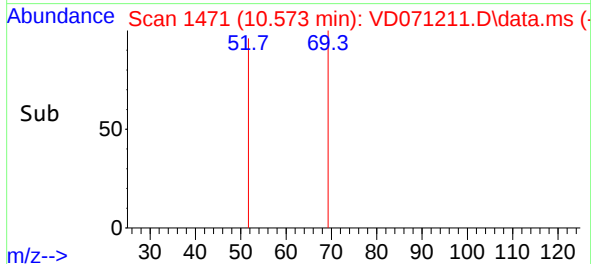
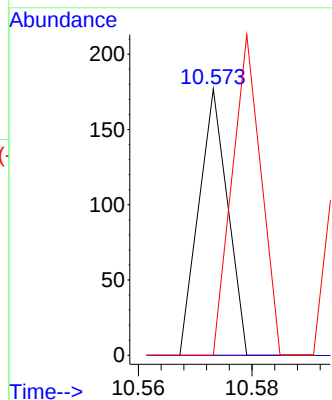
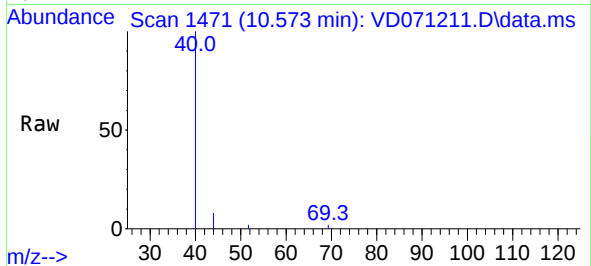




#56
Ethyl methacrylate
Concen: 5.988 ug/l
RT: 10.573 min Scan# 1471
Delta R.T. -0.083 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

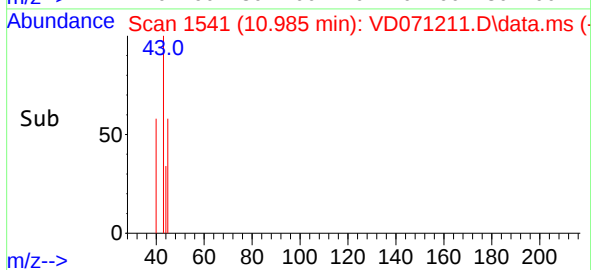
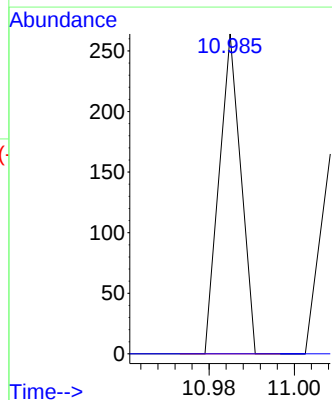
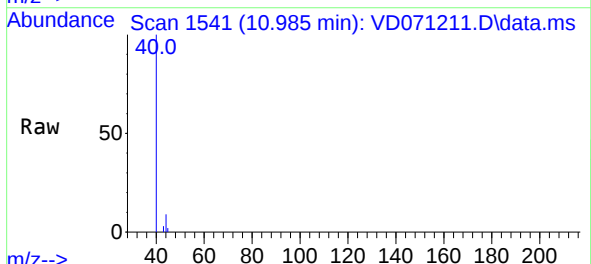
Instrument :
MSVOA_D
ClientSampleId :

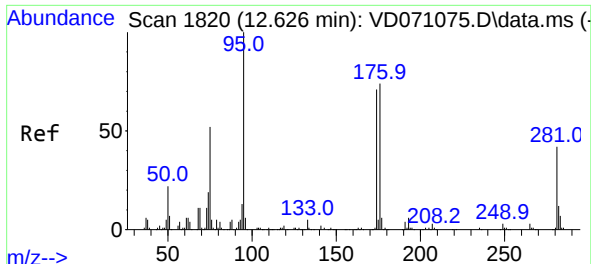
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 121.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.623 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

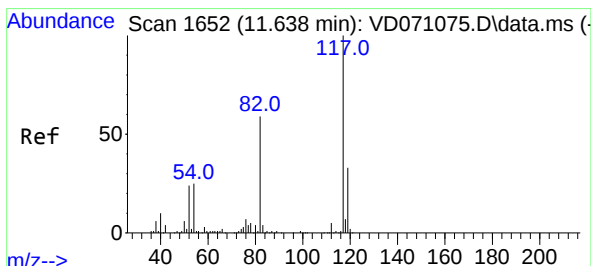
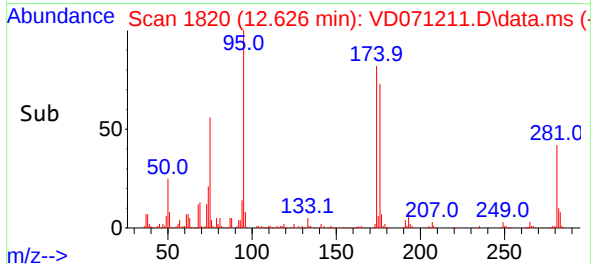
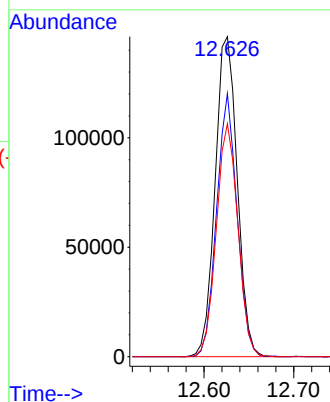
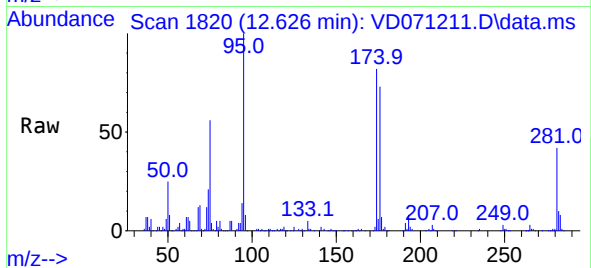




#62
4-Bromofluorobenzene
Concen: 62.431 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

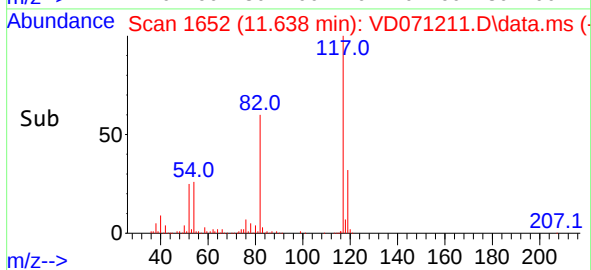
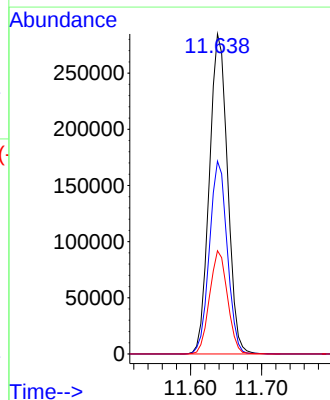
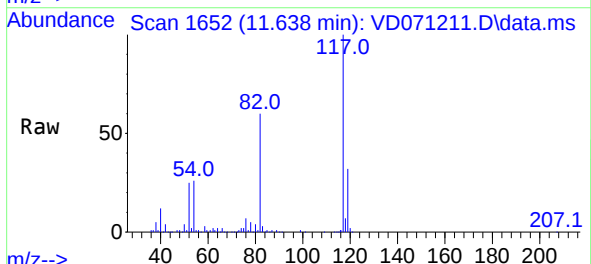
Instrument :
MSVOA_D
ClientSampleId :

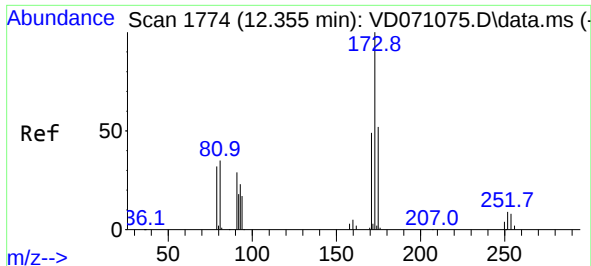
Tgt Ion: 95 Resp: 249672
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 70.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion: 117 Resp: 507341
Ion Ratio Lower Upper
117 100
82 60.2 44.7 67.1
119 32.3 26.2 39.4

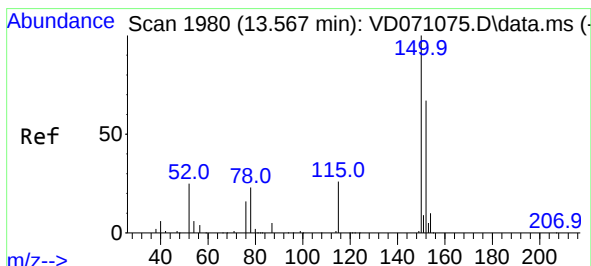
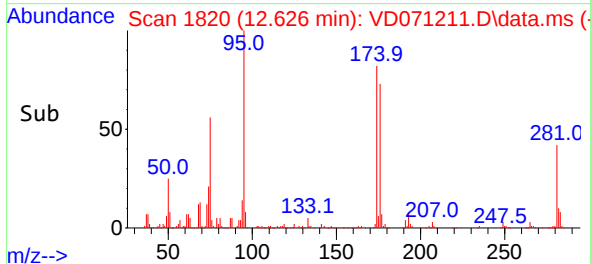
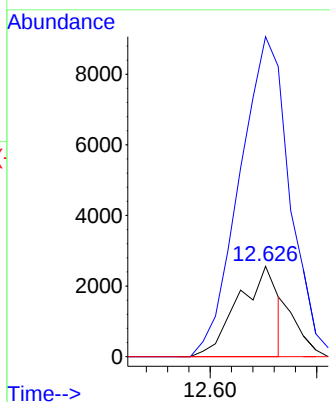
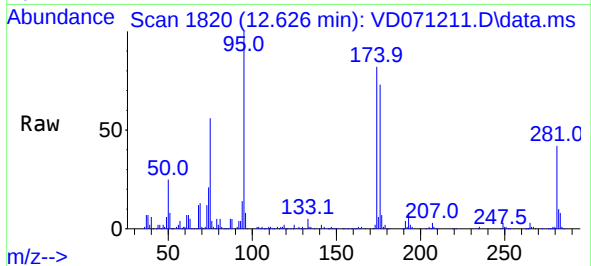




#71
Bromoform
Concen: 1.860 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

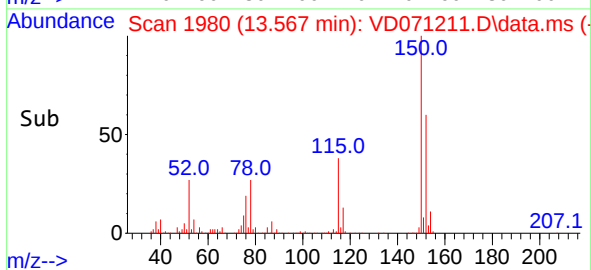
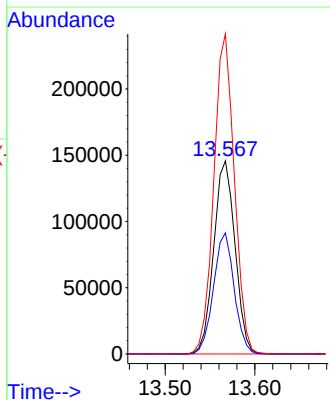
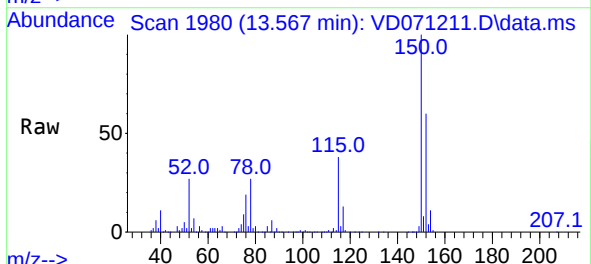
Instrument :
MSVOA_D
ClientSampleId :

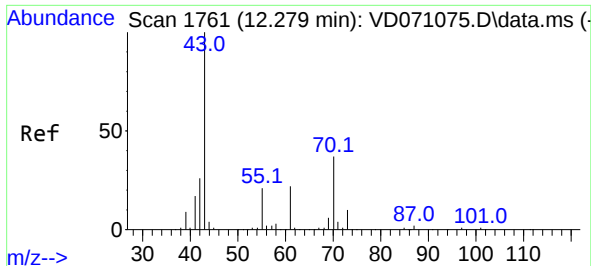
Tgt Ion:173 Resp: 3312
Ion Ratio Lower Upper
173 100
175 368.1 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

Tgt Ion:152 Resp: 240438
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 159.8 0.0 349.2

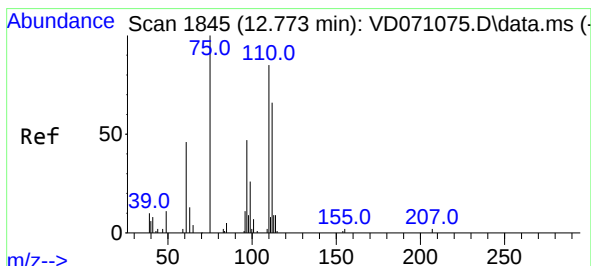
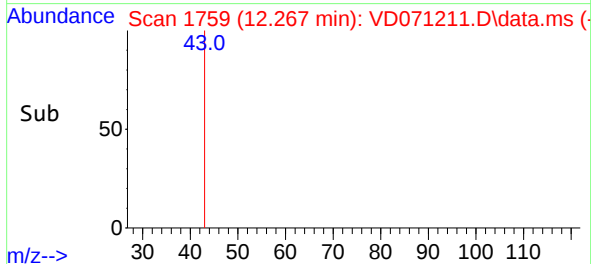
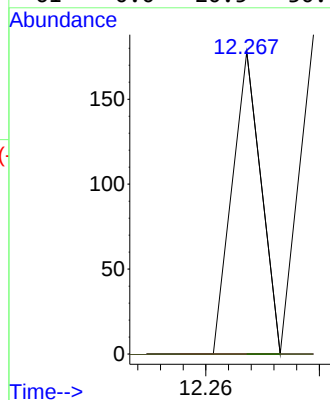
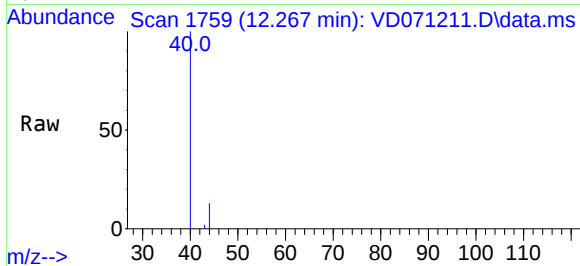




#74
N-amy1 acetate
Concen: 5.713 ug/l
RT: 12.267 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

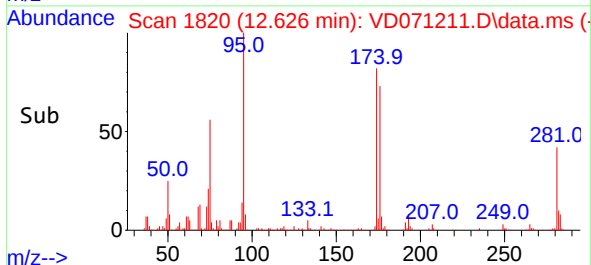
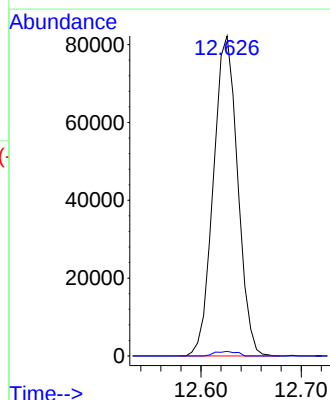
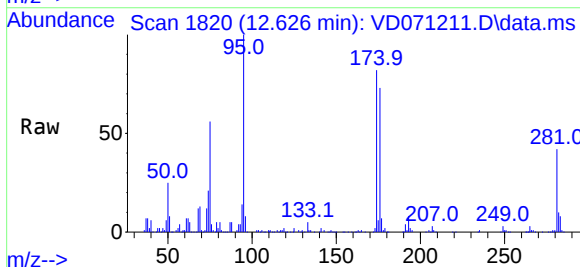
Instrument :
MSVOA_D
ClientSampleId :

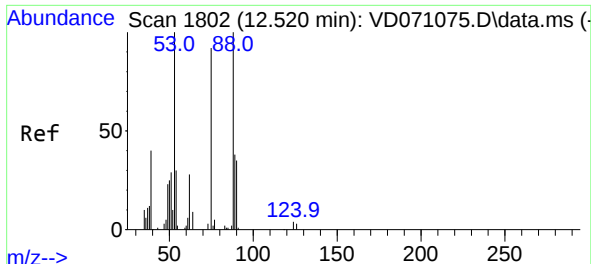
Tgt Ion: 43	Resp: 63
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 60.264 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071211.D
Acq: 08 Dec 2021 17:50

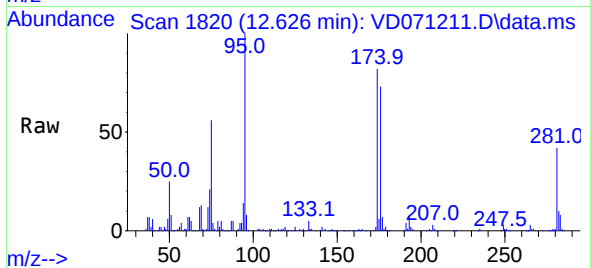
Tgt Ion: 75	Resp: 138051
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.450 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071211.D
 Acq: 08 Dec 2021 17:50

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 138051
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.5 34.5 51.7#

