

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071205.D
 Acq On : 08 Dec 2021 15:03
 Operator : VA/SY
 Sample : M4959-10RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:16:31 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)

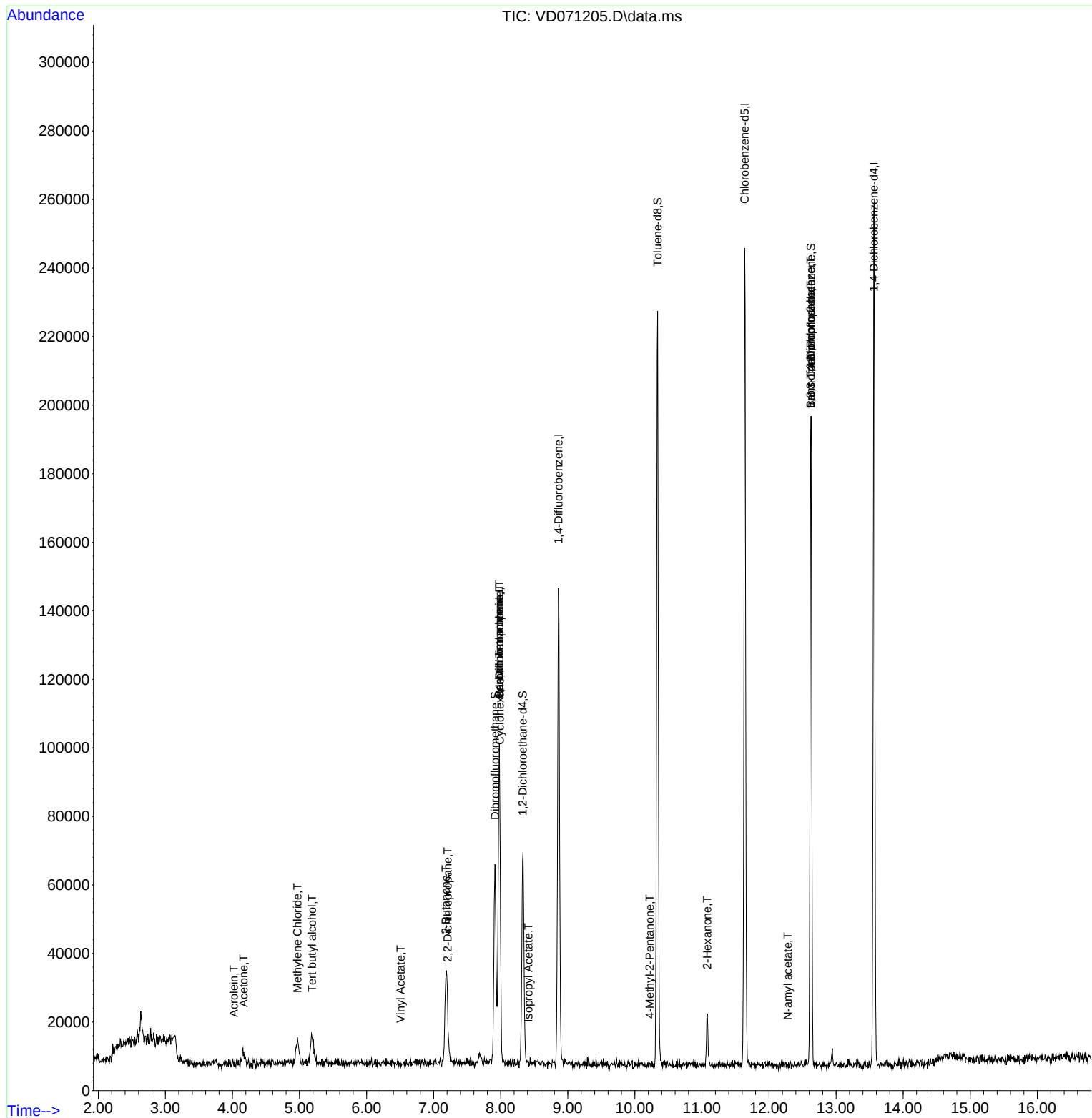
Internal Standards						
1) Pentafluorobenzene	7.979	168	62459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	106806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	125487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	63574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	48388	66.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.040%	
35) Dibromofluoromethane	7.914	113	37416	55.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.020%	
50) Toluene-d8	10.338	98	143187	55.322	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.640%	
62) 4-Bromofluorobenzene	12.626	95	60260	67.166	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	8249	146.493	ug/l #	71
13) Acrolein	4.021	56	78	1.557	ug/l #	13
16) Acetone	4.168	43	7381	64.052	ug/l #	83
20) Methylene Chloride	4.968	84	4473	2.042	ug/l #	88
23) Vinyl Acetate	6.509	43	64	27.266	ug/l #	72
25) 2-Butanone	7.179	43	1743	35.234	ug/l #	45
26) 2,2-Dichloropropane	7.209	77	2035	1.763	ug/l #	52
31) Cyclohexane	7.985	56	1977	1.586	ug/l #	64
36) 1,1-Dichloropropene	7.979	75	6180	6.191	ug/l #	47
38) Carbon Tetrachloride	7.979	117	7231	7.348	ug/l #	12
41) Methacrylonitrile	7.709	41	110	Below Cal	#	44
43) Isopropyl Acetate	8.414	43	134	5.349	ug/l #	19
51) 4-Methyl-2-Pentanone	10.220	43	241	31.087	ug/l #	34
59) 2-Hexanone	11.079	43	230	35.115	ug/l #	22
71) Bromoform	12.620	173	1118	2.538	ug/l #	1
74) N-amyl acetate	12.279	43	56	5.740	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	33981	56.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	33981	121.839	ug/l #	18

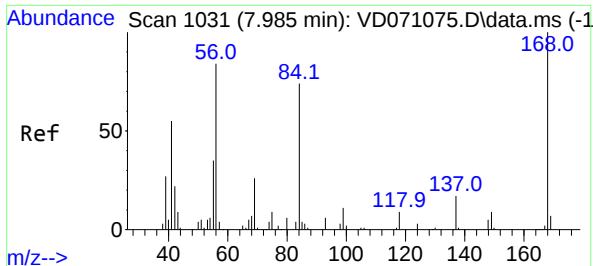
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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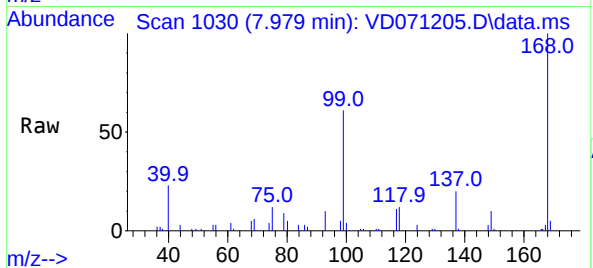
Quant Time: Dec 09 10:16:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



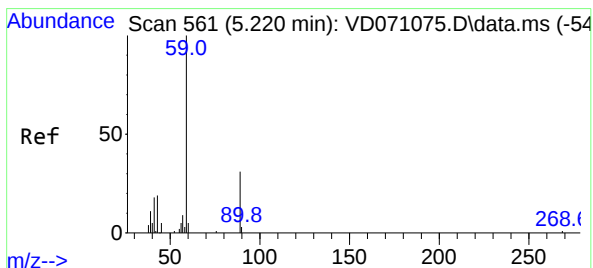
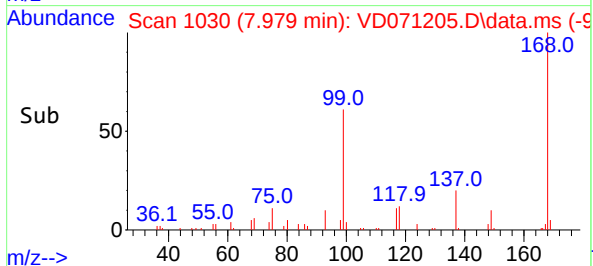
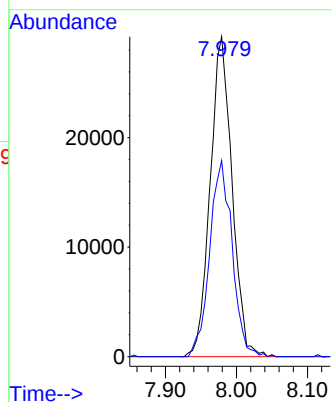


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :

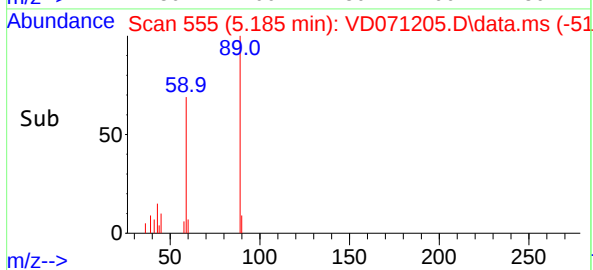
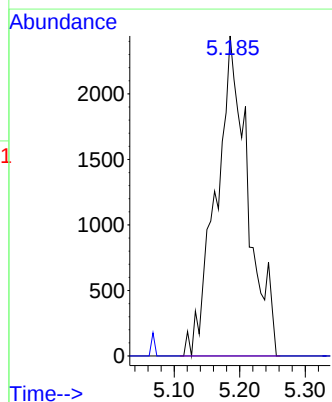
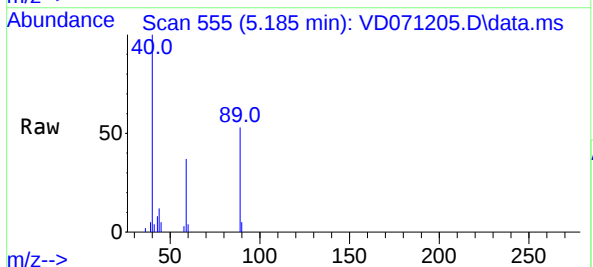


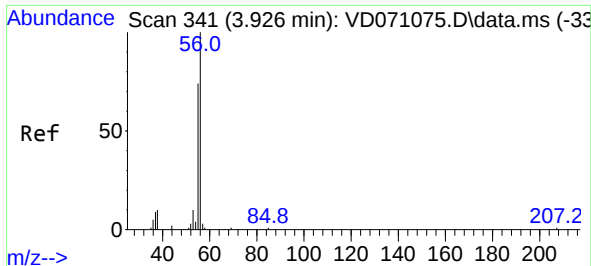
Tgt Ion:168 Resp: 62459
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#11
Tert butyl alcohol
Concen: 146.493 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Tgt Ion: 59 Resp: 8249
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

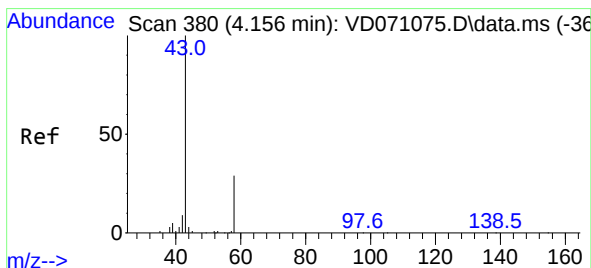
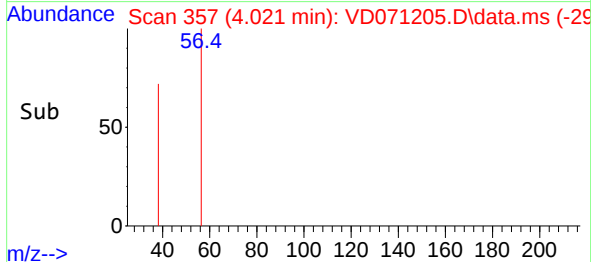
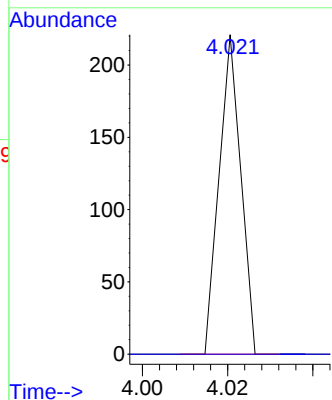
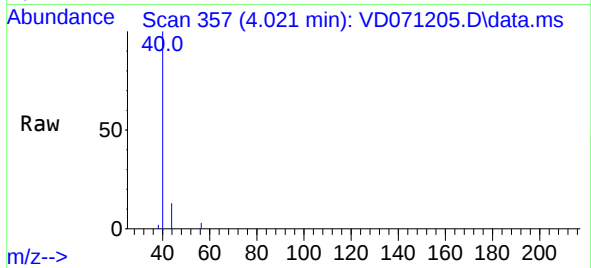




#13
Acrolein
Concen: 1.557 ug/l
RT: 4.021 min Scan# 31
Delta R.T. 0.095 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

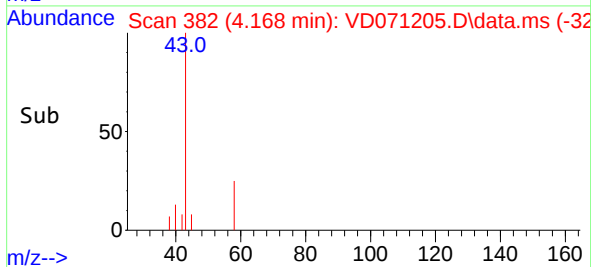
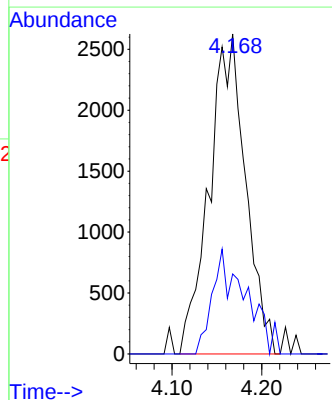
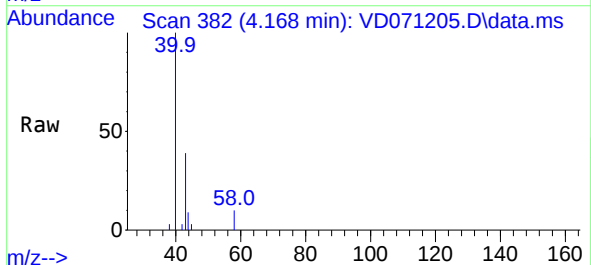
Instrument :
MSVOA_D
ClientSampleId :

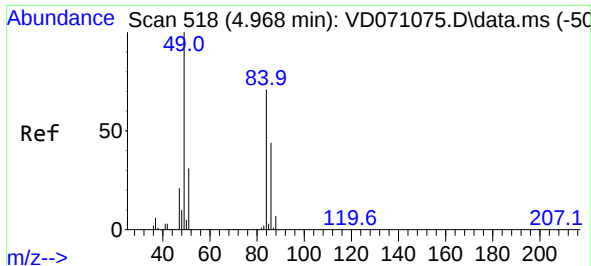
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 64.052 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

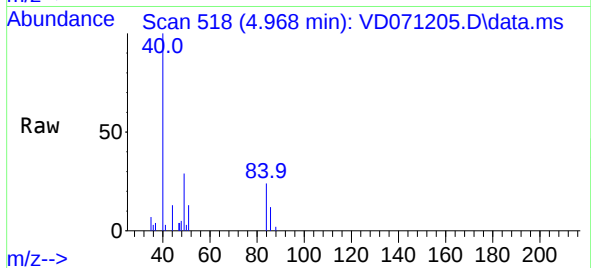
Tgt Ion: 43 Resp: 7381
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#





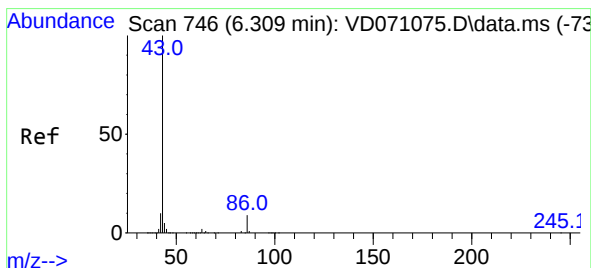
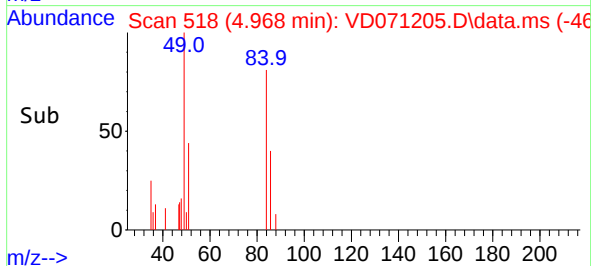
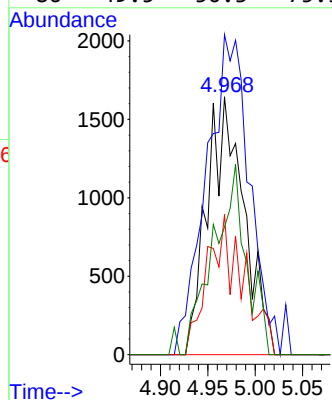
#20
Methylene Chloride
Concen: 2.042 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 4473

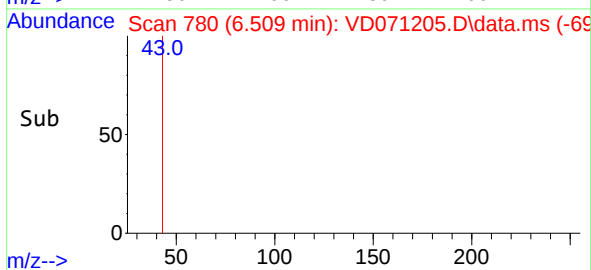
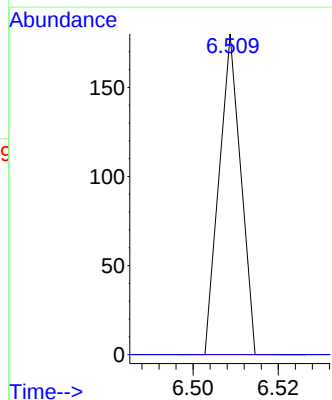
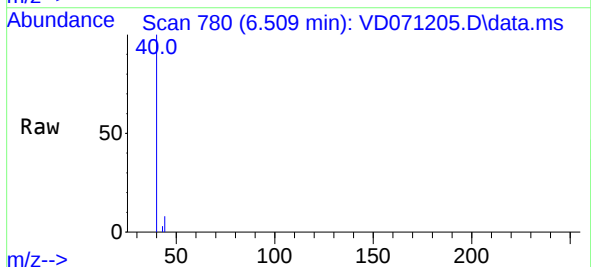
Ion	Ratio	Lower	Upper
84	100		
49	124.1	95.8	143.6
51	54.4	30.9	46.3#
86	49.5	50.3	75.5#

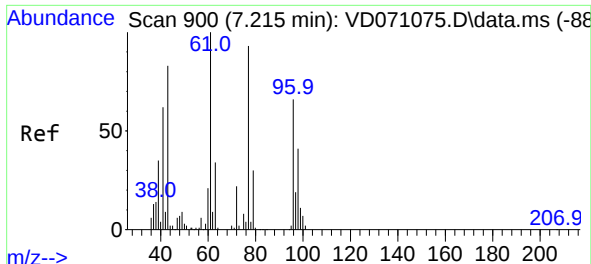


#23
Vinyl Acetate
Concen: 27.266 ug/l
RT: 6.509 min Scan# 780
Delta R.T. 0.200 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Tgt Ion: 43 Resp: 64

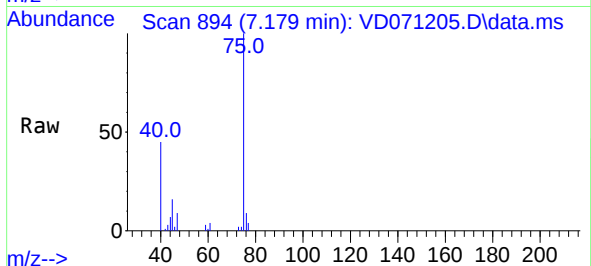
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



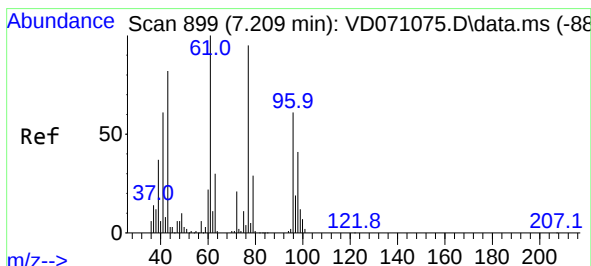
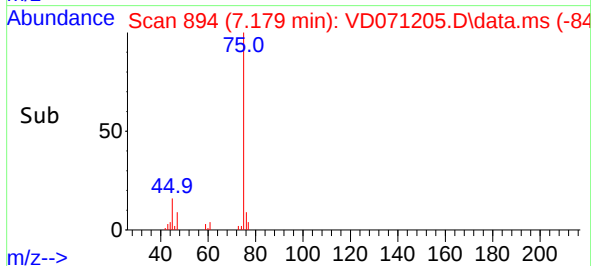
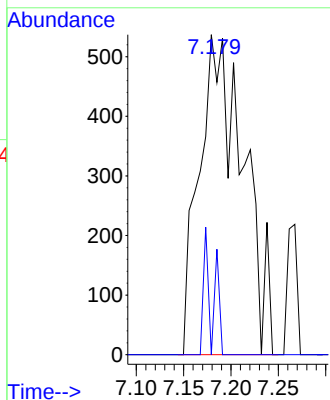


#25
2-Butanone
Concen: 35.234 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.036 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :

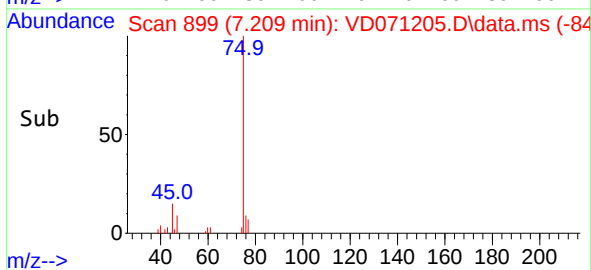
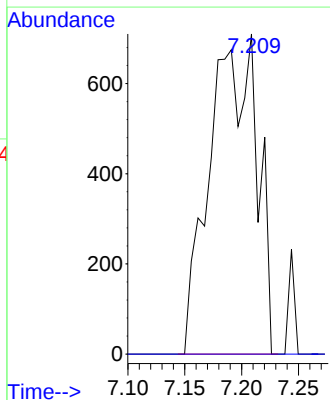
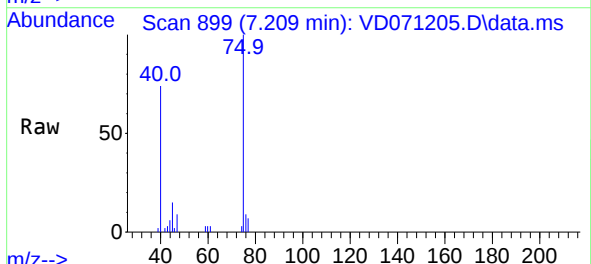


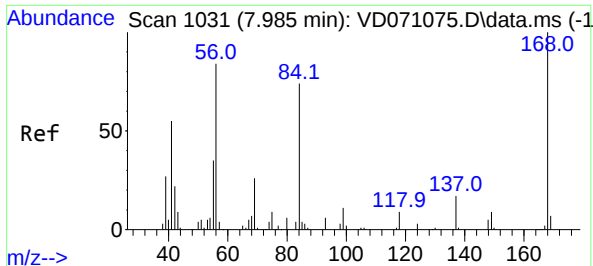
Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#26
2,2-Dichloropropane
Concen: 1.763 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

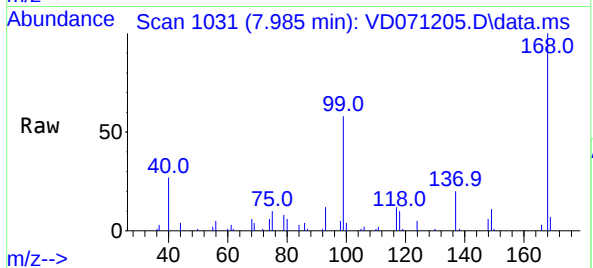
Tgt Ion: 77 Resp: 2035
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



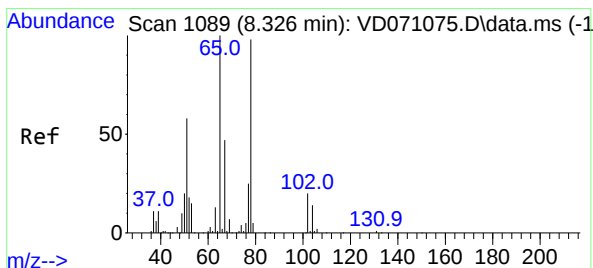
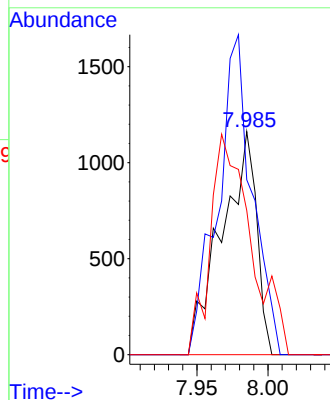
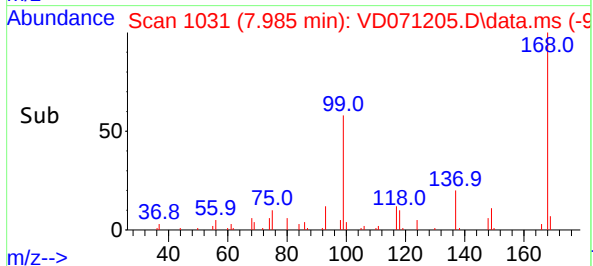


#31
Cyclohexane
Concen: 1.586 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :

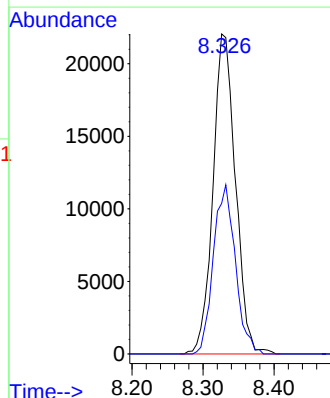
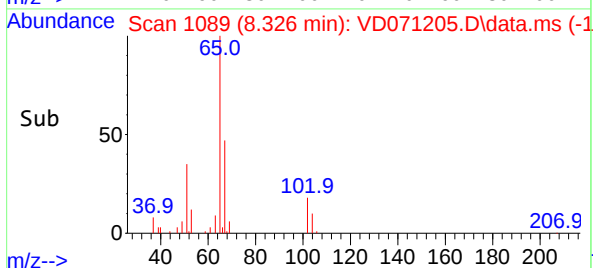
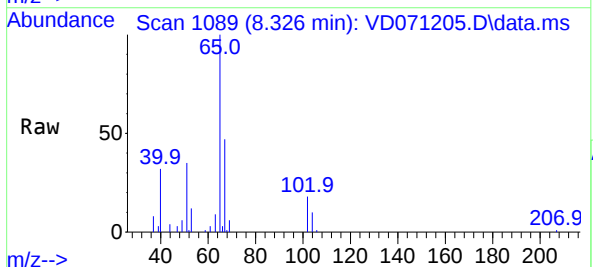


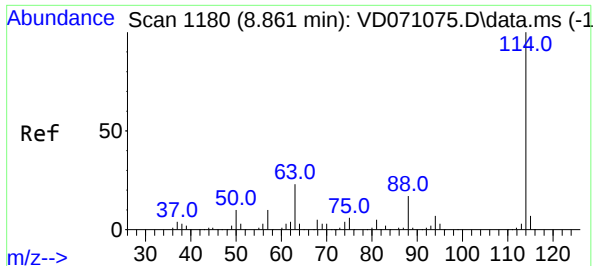
Tgt Ion: 56 Resp: 1977
Ion Ratio Lower Upper
56 100
69 78.4 25.9 38.9#
84 64.6 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 66.024 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Tgt Ion: 65 Resp: 48388
Ion Ratio Lower Upper
65 100
67 51.7 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: VD071205.D

Acq: 08 Dec 2021 15:03

Instrument :

MSVOA_D

ClientSampleId :

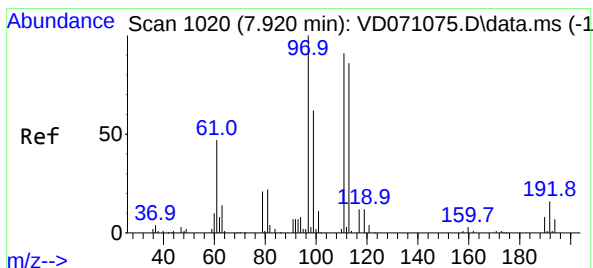
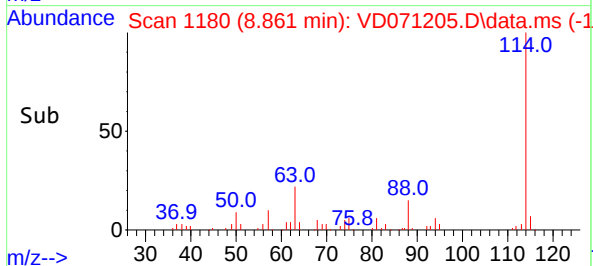
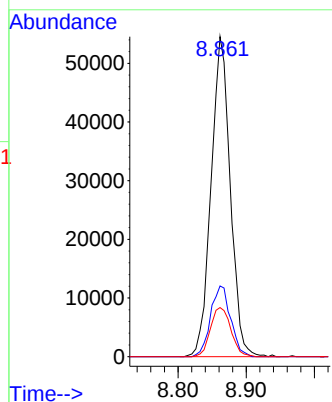
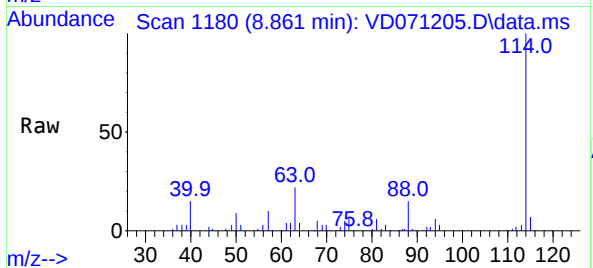
Tgt Ion:114 Resp: 106806

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.013 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071205.D

Acq: 08 Dec 2021 15:03

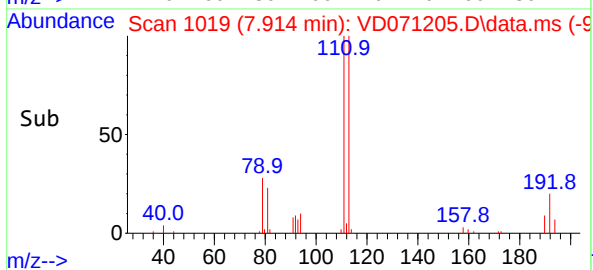
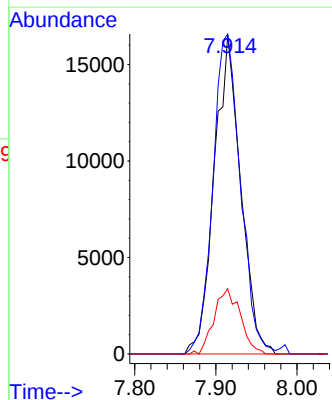
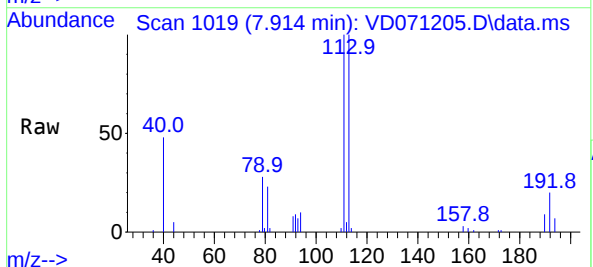
Tgt Ion:113 Resp: 37416

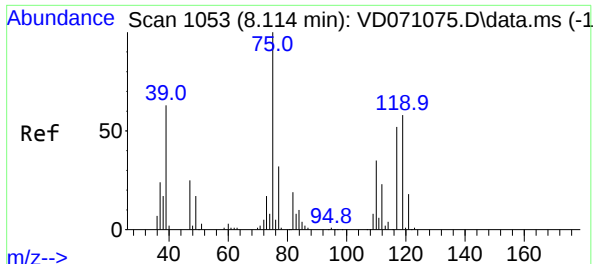
Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 20.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.191 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

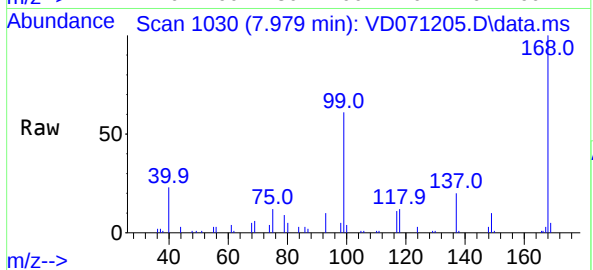
Lab File: VD071205.D

Acq: 08 Dec 2021 15:03

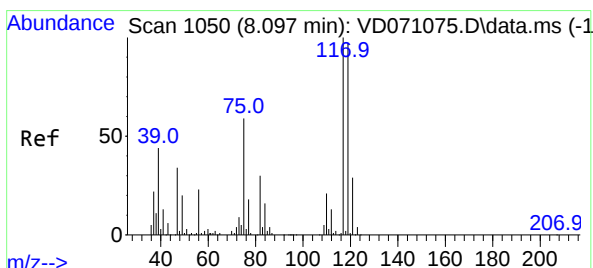
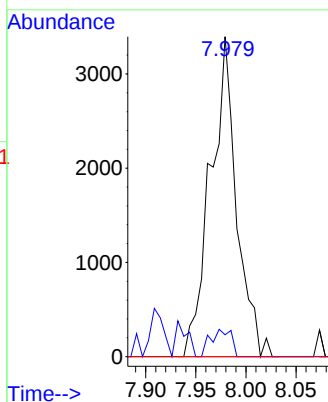
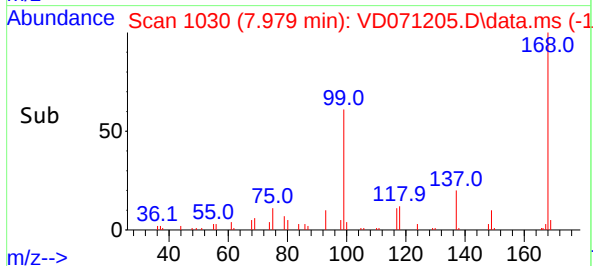
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	6180
Ion	Ratio	Lower	Upper
75	100		
110	6.7	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.348 ug/l

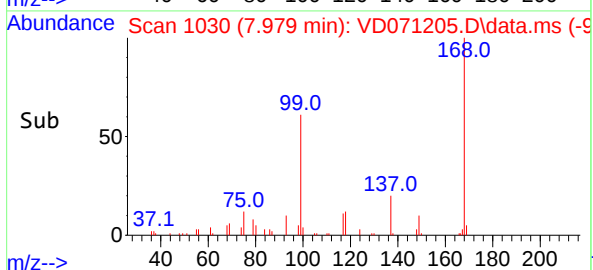
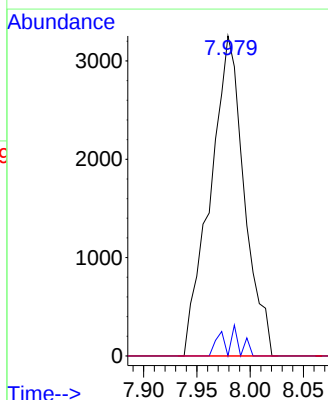
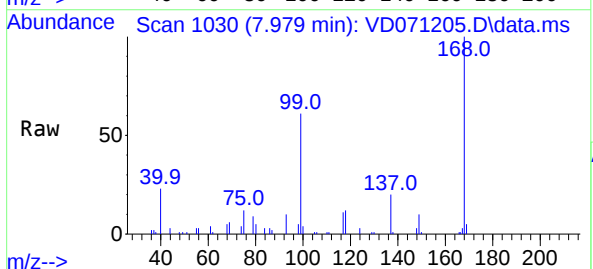
RT: 7.979 min Scan# 1030

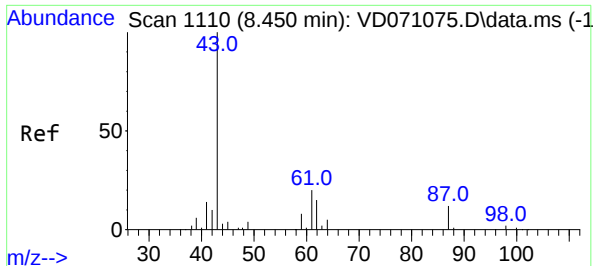
Delta R.T. -0.118 min

Lab File: VD071205.D

Acq: 08 Dec 2021 15:03

Tgt Ion:	117	Resp:	7231
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.349 ug/l

RT: 8.414 min Scan# 1110

Delta R.T. -0.036 min

Lab File: VD071205.D

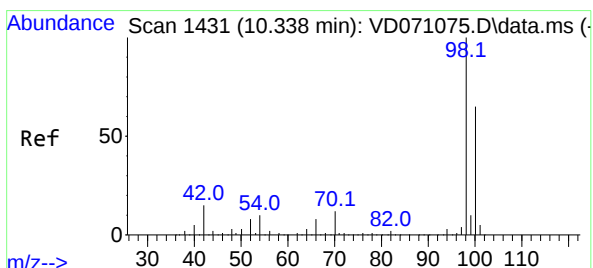
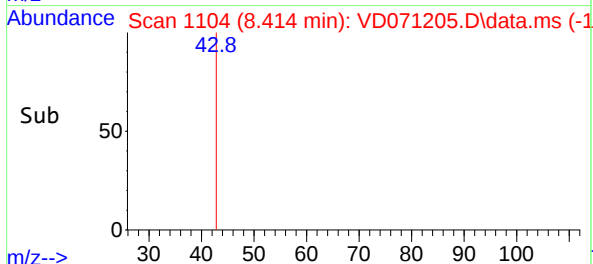
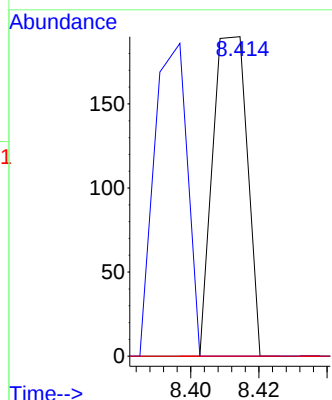
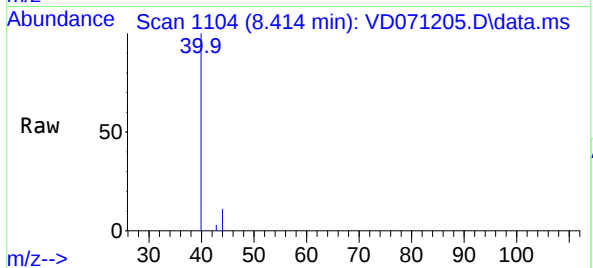
Acq: 08 Dec 2021 15:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 134
Ion Ratio	Lower Upper
43	100
61	93.3 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 55.322 ug/l

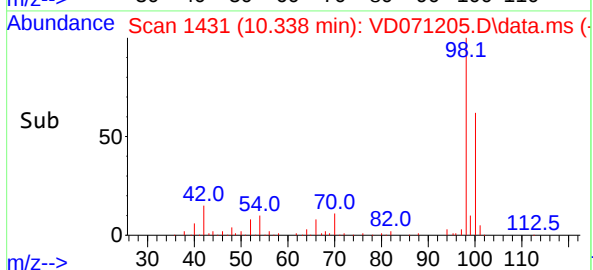
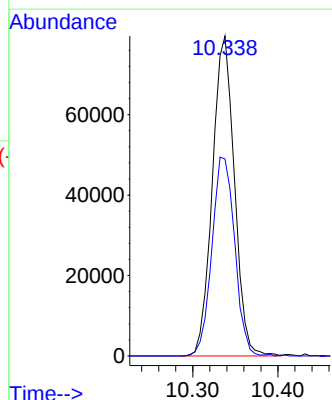
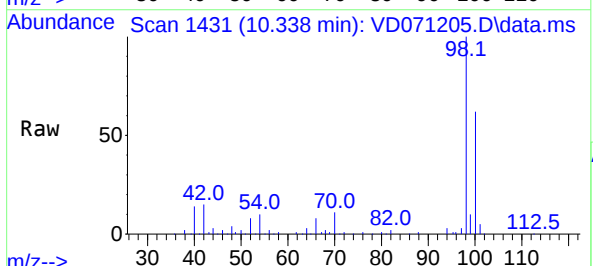
RT: 10.338 min Scan# 1431

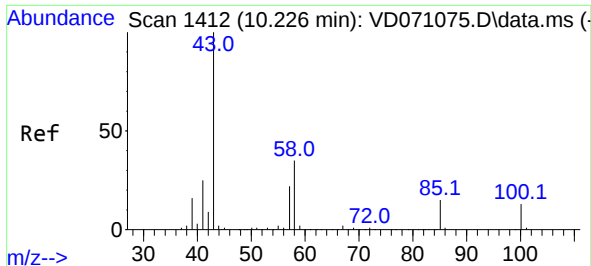
Delta R.T. -0.000 min

Lab File: VD071205.D

Acq: 08 Dec 2021 15:03

Tgt Ion: 98	Resp: 143187
Ion Ratio	Lower Upper
98	100
100	64.4 51.8 77.6

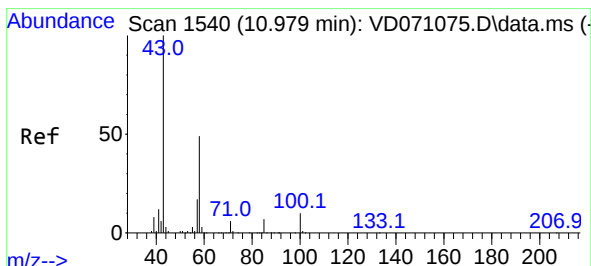
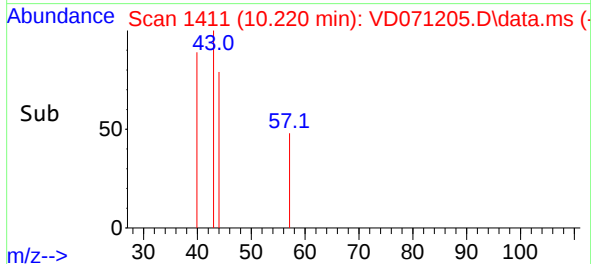
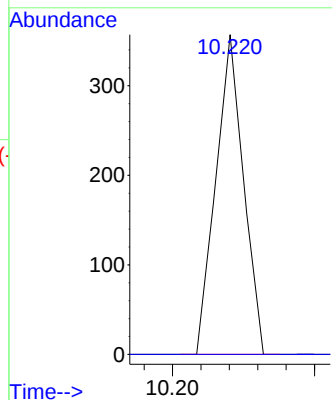
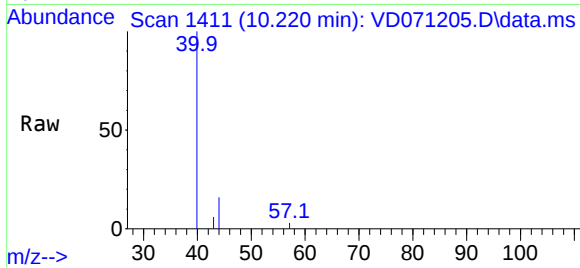




#51
4-Methyl-2-Pentanone
Concen: 31.087 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

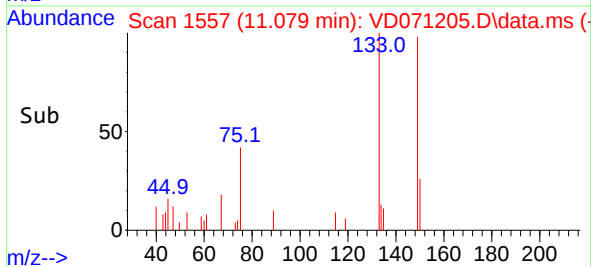
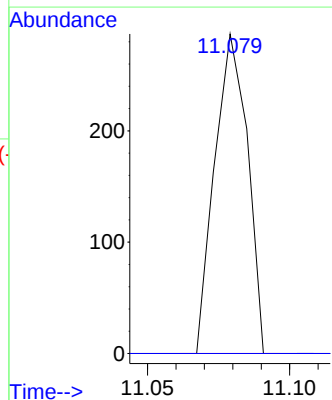
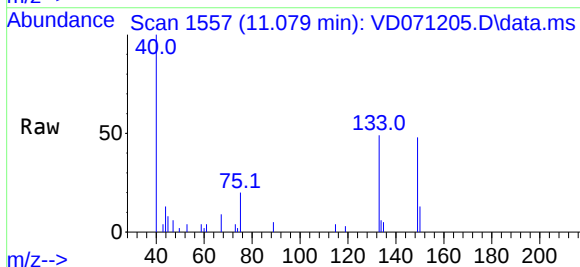
Instrument :
MSVOA_D
ClientSampleId :

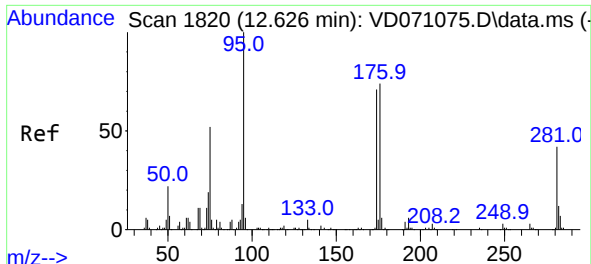
Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.115 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

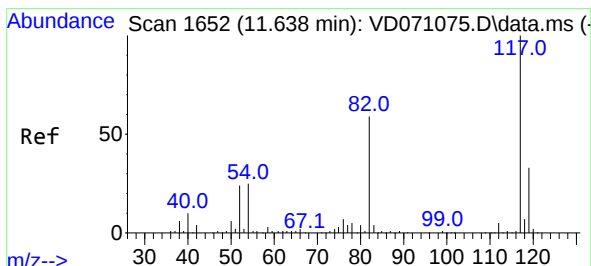
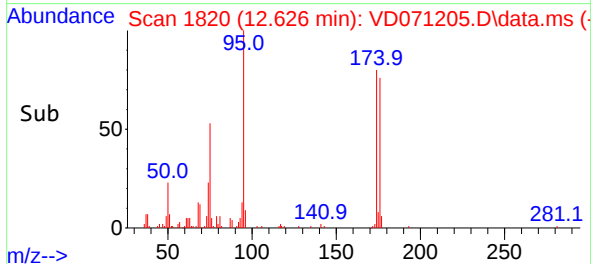
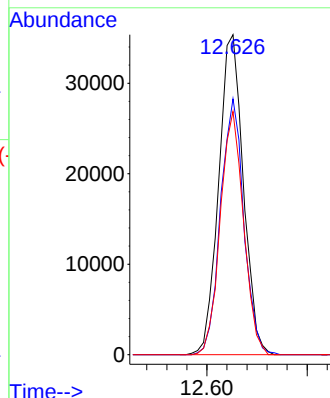
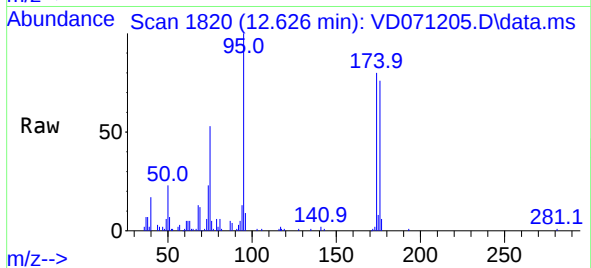




#62
4-Bromofluorobenzene
Concen: 67.166 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

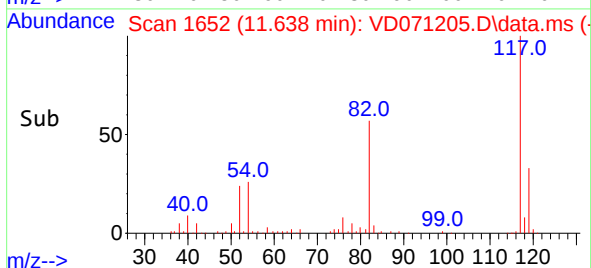
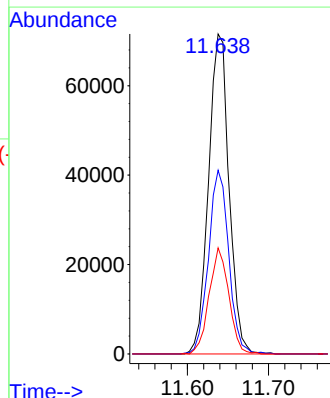
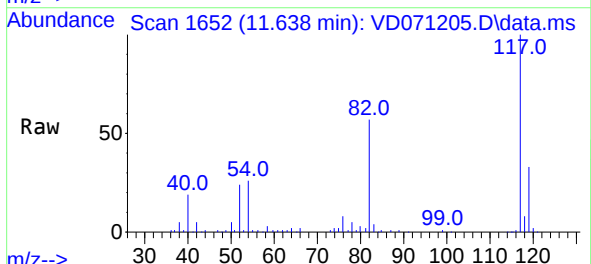
Instrument :
MSVOA_D
ClientSampleId :

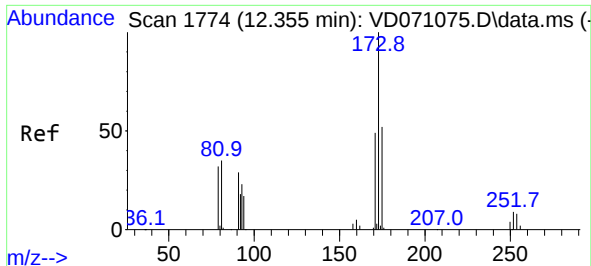
Tgt Ion: 95 Resp: 60260
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 71.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Tgt Ion: 117 Resp: 125487
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 33.2 26.2 39.4

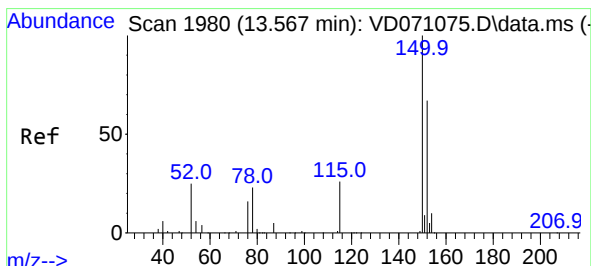
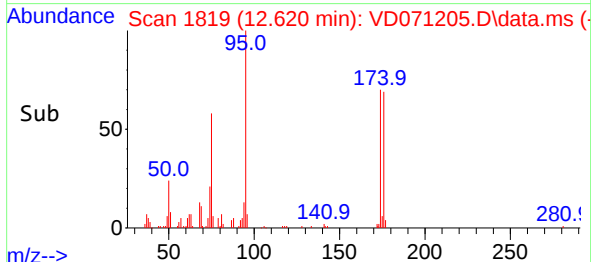
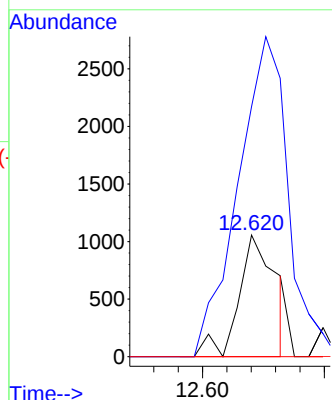
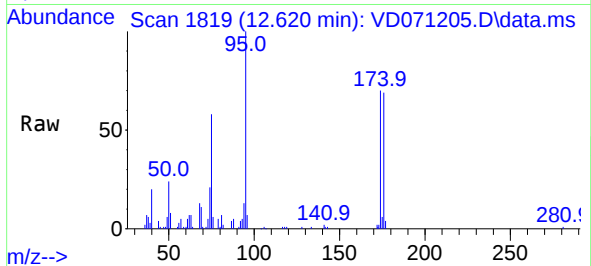




#71
Bromoform
Concen: 2.538 ug/l
RT: 12.620 min Scan# 1118
Delta R.T. 0.265 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

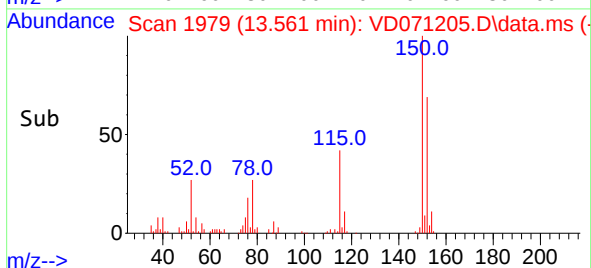
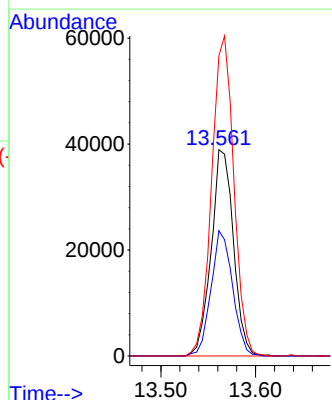
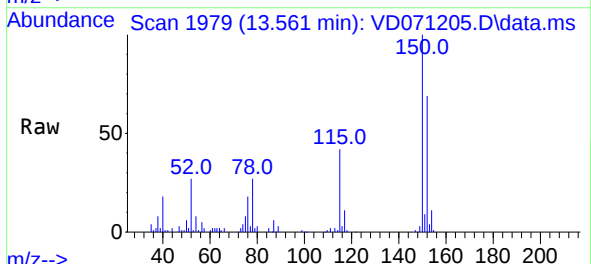
Instrument :
MSVOA_D
ClientSampleId :

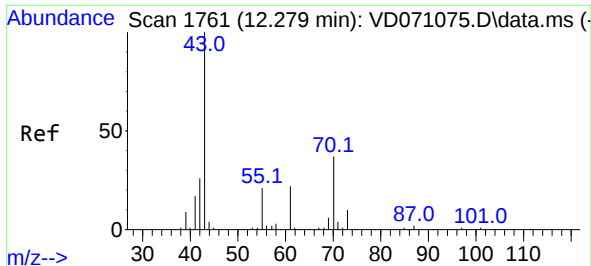
Tgt Ion:173 Resp: 1118
Ion Ratio Lower Upper
173 100
175 315.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

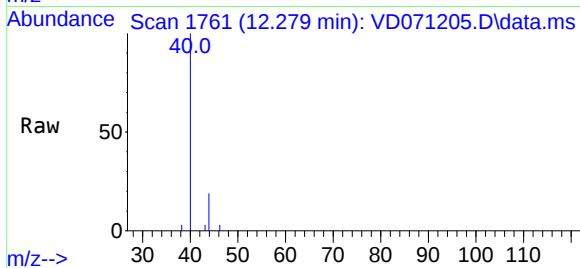
Tgt Ion:152 Resp: 63574
Ion Ratio Lower Upper
152 100
115 58.8 29.8 89.3
150 154.3 0.0 349.2



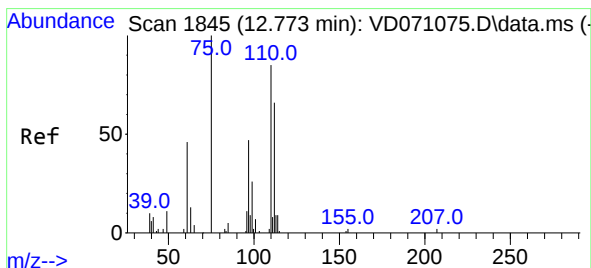
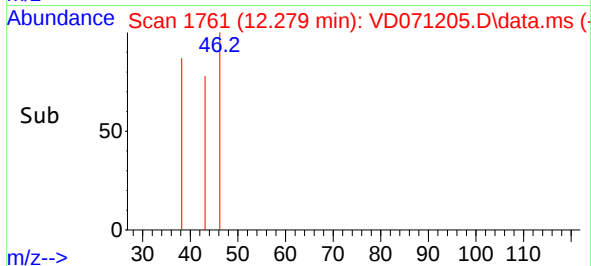
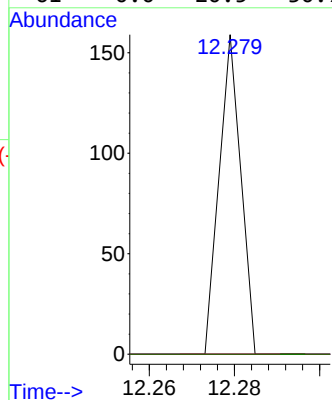


#74
N-amy1 acetate
Concen: 5.740 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :

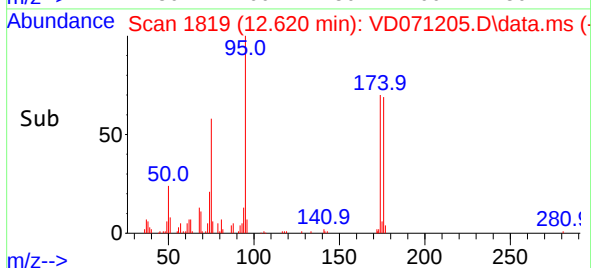
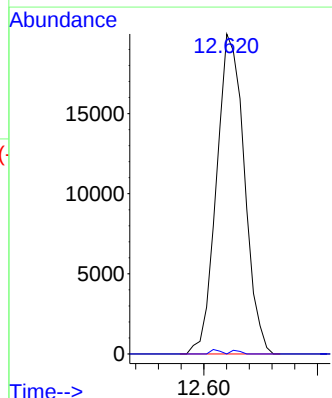
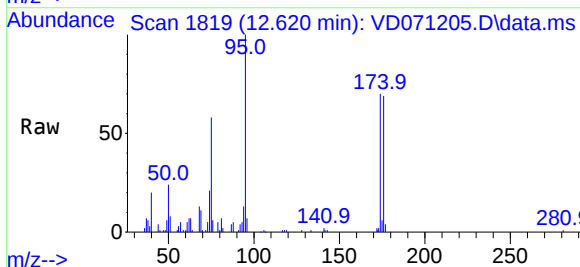


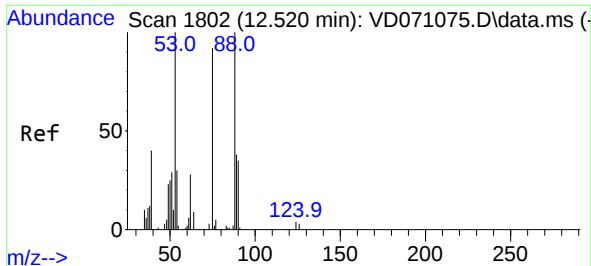
Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 56.102 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

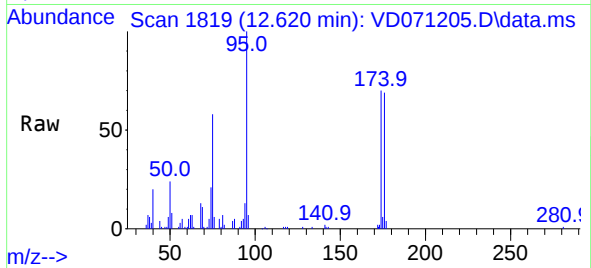
Tgt Ion: 75	Resp: 33981
Ion Ratio	Lower Upper
75 100	
77 0.4	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.839 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071205.D
Acq: 08 Dec 2021 15:03

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 33981
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#

