

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120321\
 Data File : VD071135.D
 Acq On : 03 Dec 2021 15:21
 Operator : VA/SY
 Sample : M4910-19RE
 Misc : 5.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-4

Quant Time: Dec 04 03:50:44 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	294252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	531745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	561279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262791	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	173214	50.168	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.340%	
35) Dibromofluoromethane	7.908	113	168543	49.775	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.560%	
50) Toluene-d8	10.332	98	681549	52.891	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.780%	
62) 4-Bromofluorobenzene	12.626	95	268814	60.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.360%	

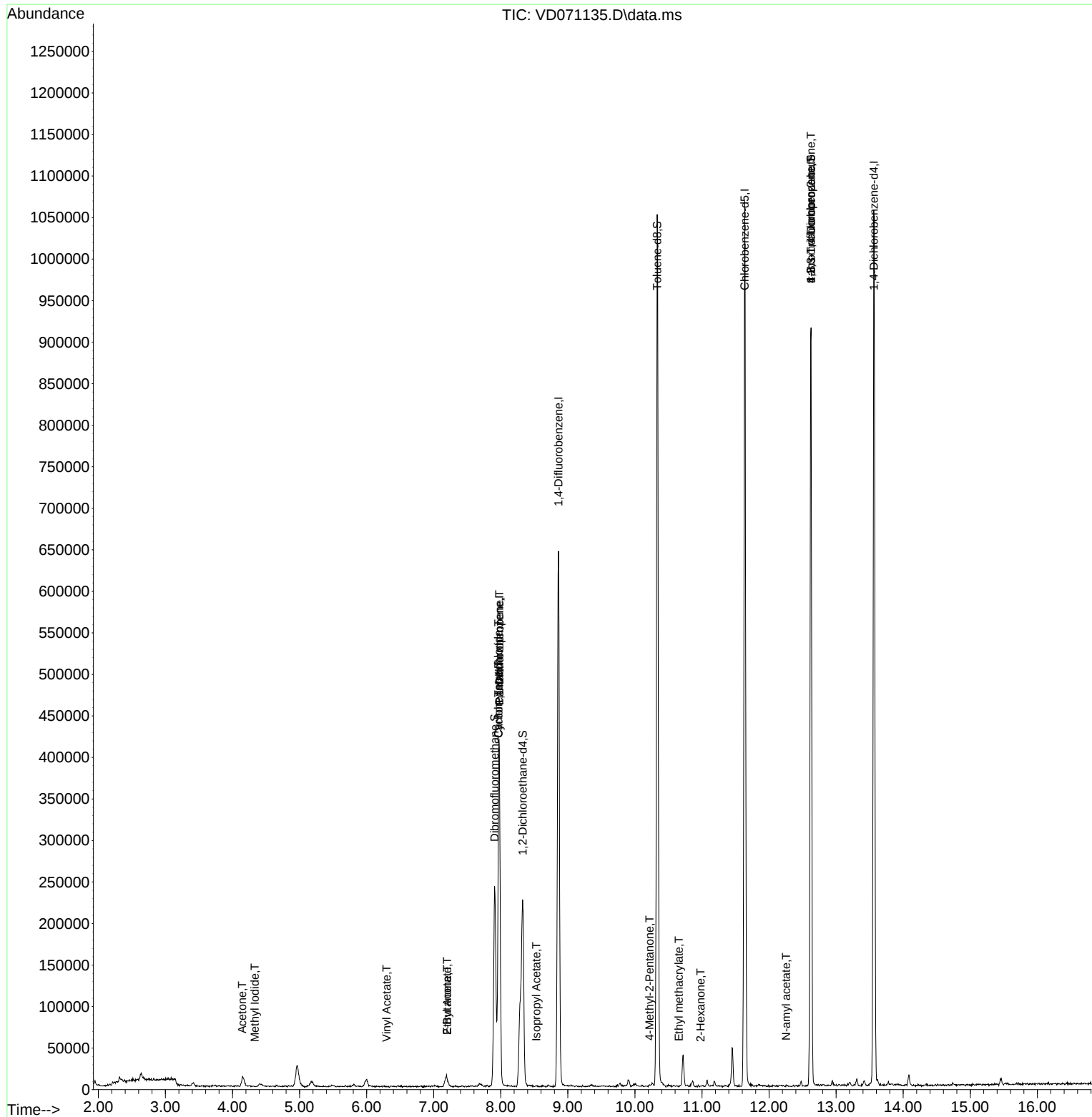
Target Compounds			Qvalue			
10) Methyl Iodide	4.332	142	67	4.578	ug/l #	40
11) Tert butyl alcohol	5.179	59	5890	Below Cal	#	71
16) Acetone	4.144	43	20019	49.942	ug/l #	72
23) Vinyl Acetate	6.297	43	61	27.228	ug/l #	72
25) 2-Butanone	7.203	43	2262	30.253	ug/l #	45
31) Cyclohexane	7.967	56	8706	1.482	ug/l #	54
36) 1,1-Dichloropropene	7.979	75	27040	5.441	ug/l #	49
37) Ethyl Acetate	7.203	43	2262	1.054	ug/l #	82
38) Carbon Tetrachloride	7.967	117	31280	6.385	ug/l #	19
41) Methacrylonitrile	7.514	41	61	Below Cal	#	12
43) Isopropyl Acetate	8.532	43	161	5.253	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1069	31.039	ug/l #	86
56) Ethyl methacrylate	10.655	69	254	6.035	ug/l #	1
59) 2-Hexanone	10.979	43	233	34.684	ug/l #	60
74) N-amyl acetate	12.255	43	193	5.734	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	149920	59.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	149920	129.652	ug/l #	18

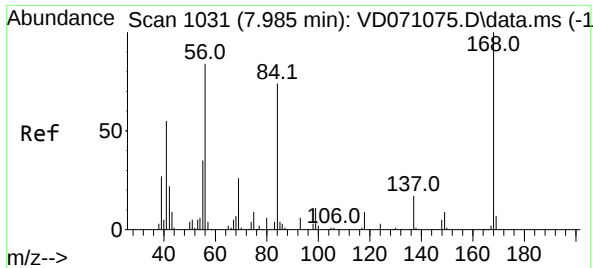
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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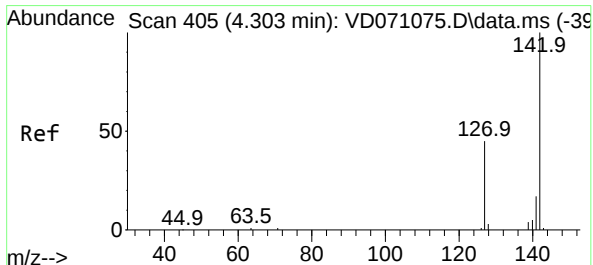
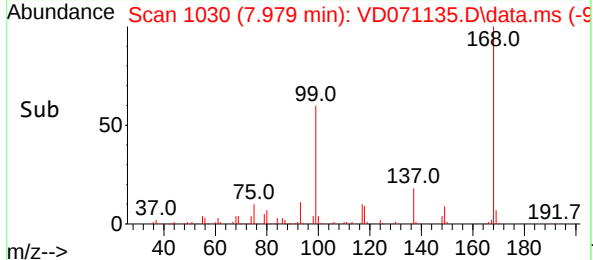
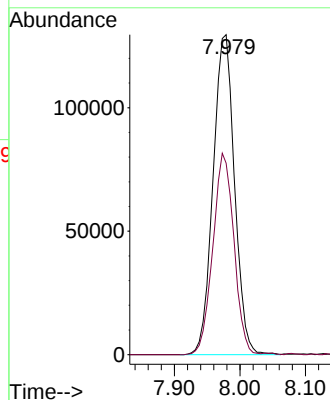
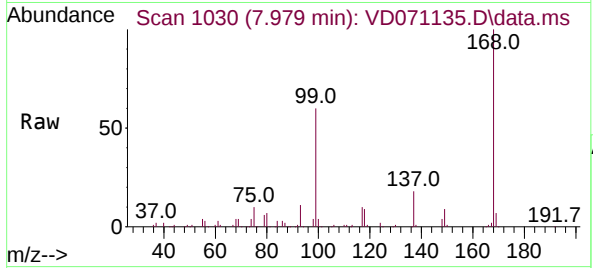




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

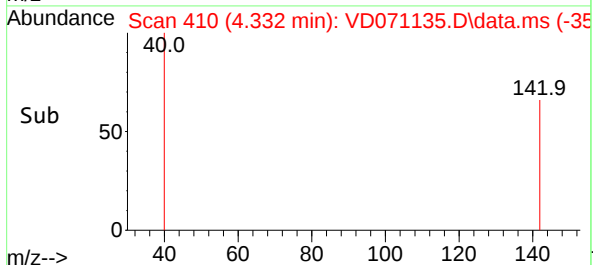
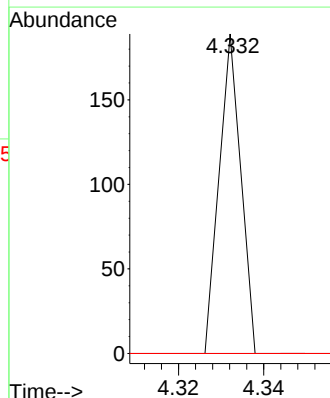
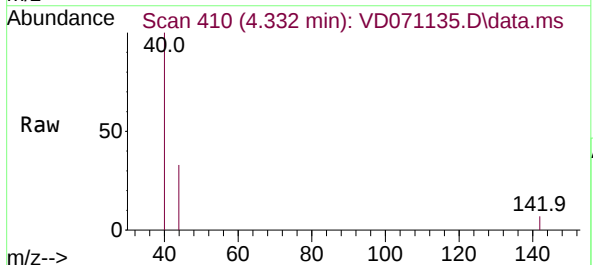
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

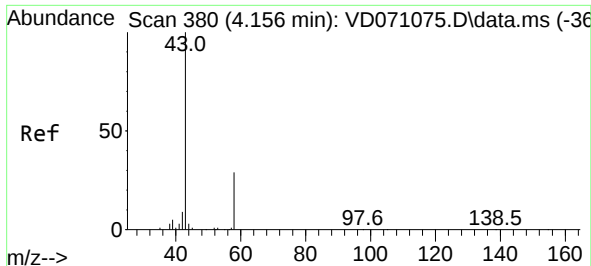
Tgt Ion:168 Resp: 294252
Ion Ratio Lower Upper
168 100
99 59.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.578 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.029 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

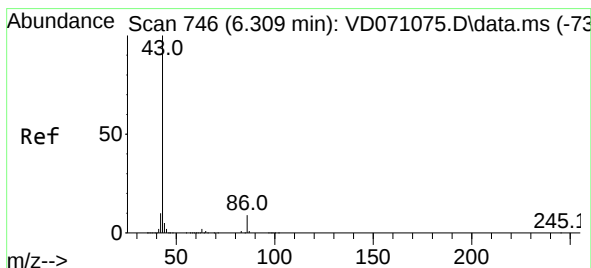
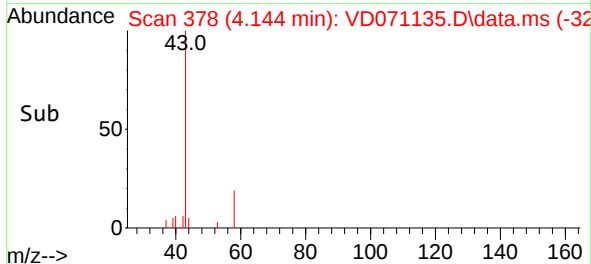
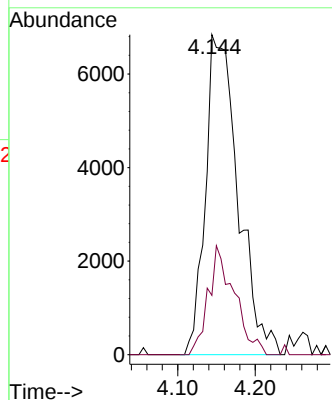
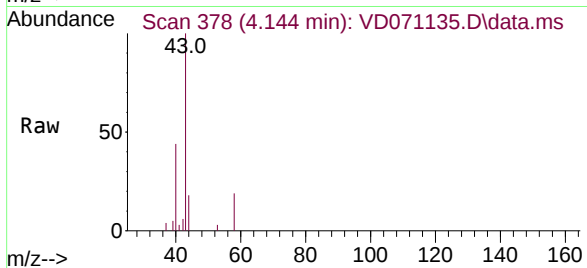




#16
Acetone
Concen: 49.942 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

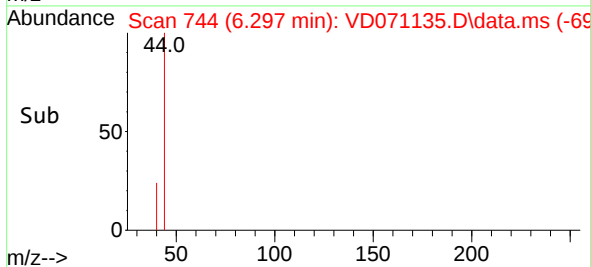
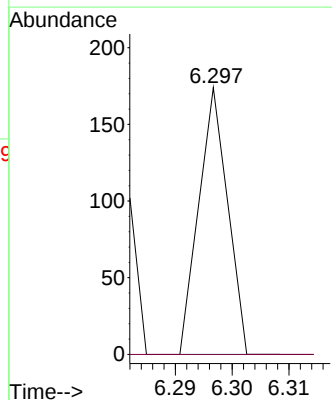
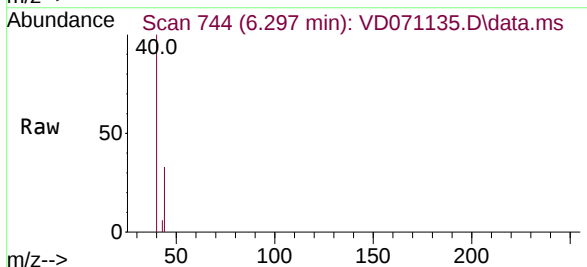
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

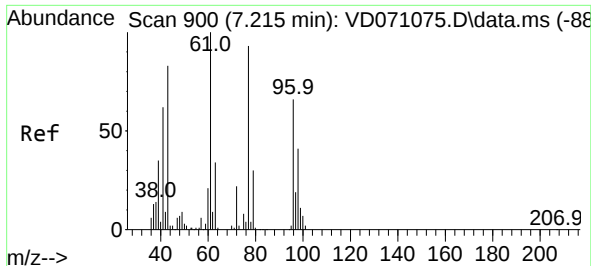
Tgt Ion: 43 Resp: 20019
Ion Ratio Lower Upper
43 100
58 18.5 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.228 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

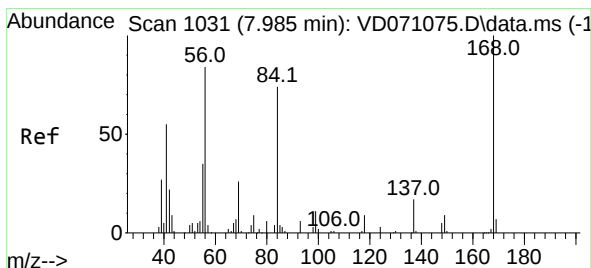
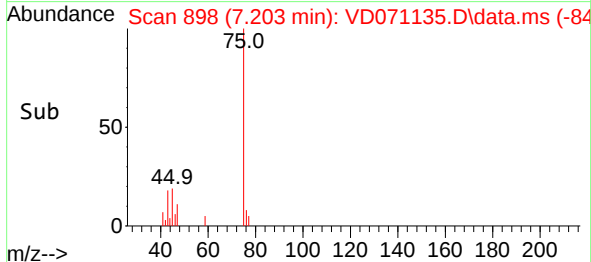
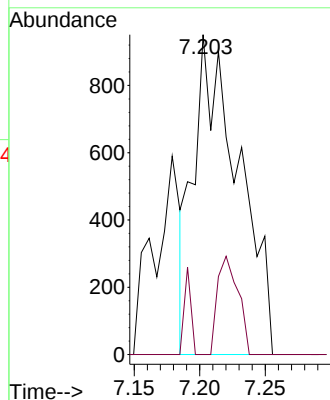
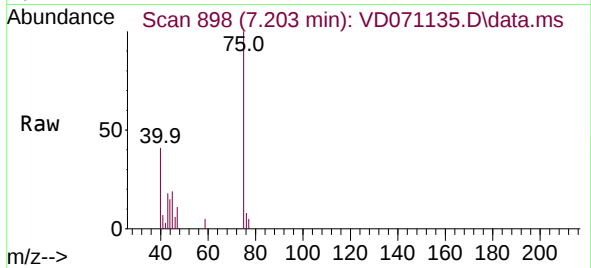




#25
2-Butanone
Concen: 30.253 ug/l
RT: 7.203 min Scan# 84
Delta R.T. -0.012 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

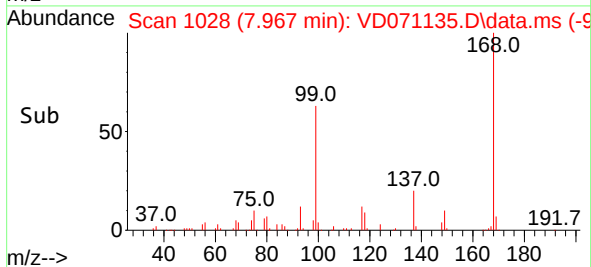
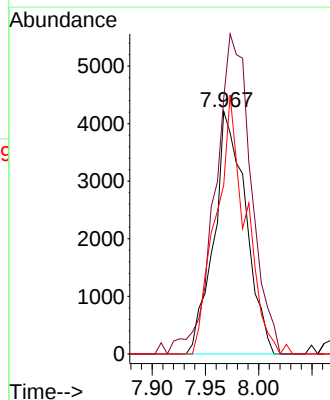
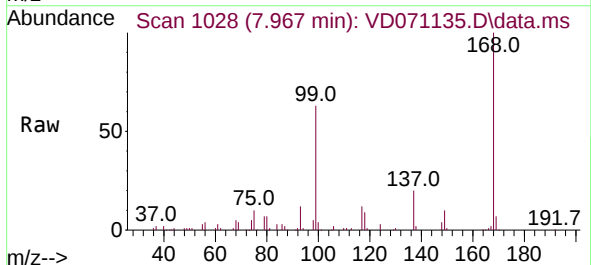
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

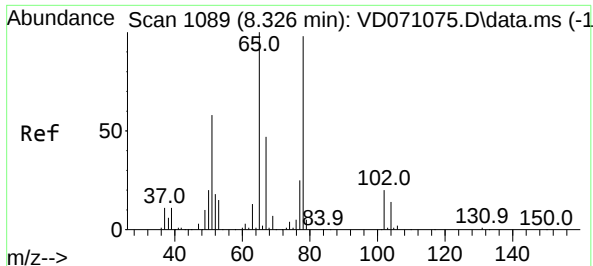
Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.482 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

Tgt Ion: 56 Resp: 8706
Ion Ratio Lower Upper
56 100
69 105.4 25.9 38.9#
84 69.7 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 50.168 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

Instrument :

MSVOA_D

ClientSampleId :

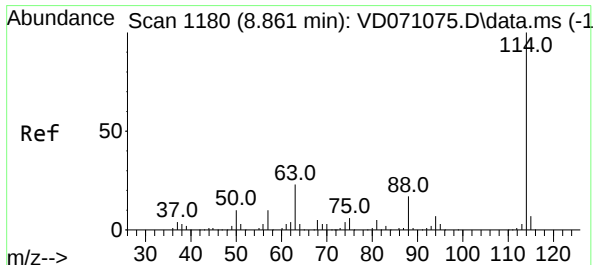
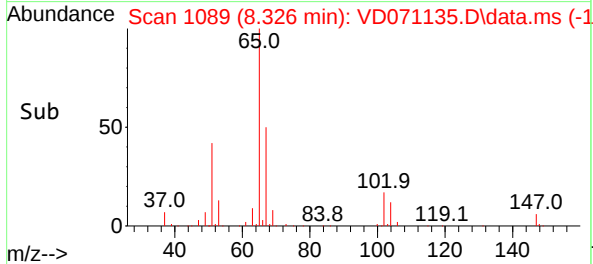
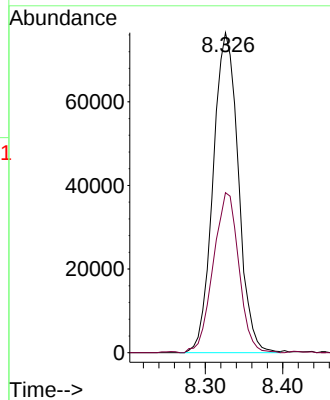
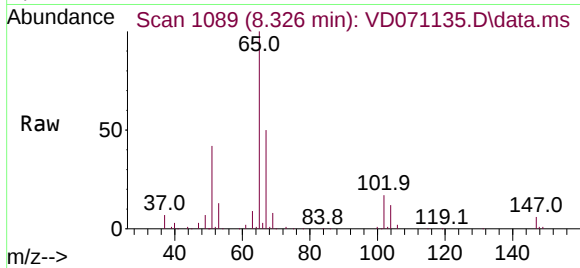
SP-1-4

Tgt Ion: 65 Resp: 173214

Ion Ratio Lower Upper

65 100

67 50.6 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: VD071135.D

Acq: 03 Dec 2021 15:21

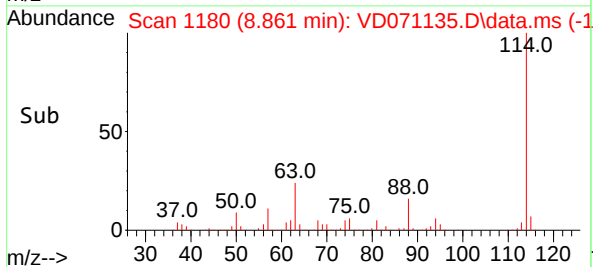
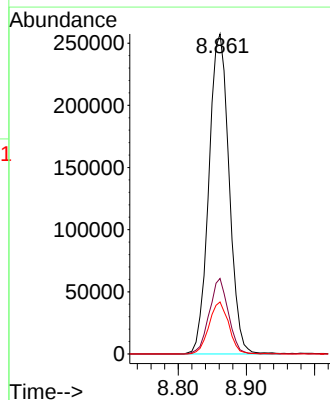
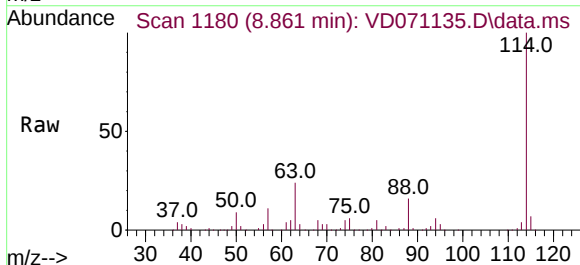
Tgt Ion: 114 Resp: 531745

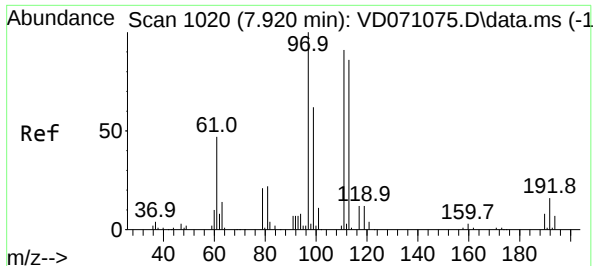
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.775 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

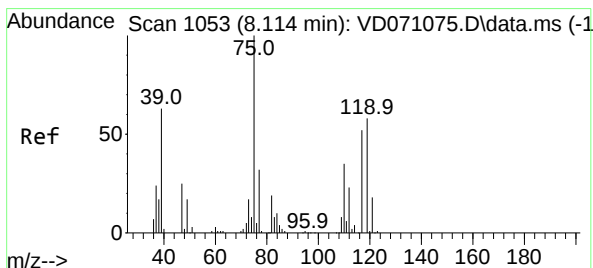
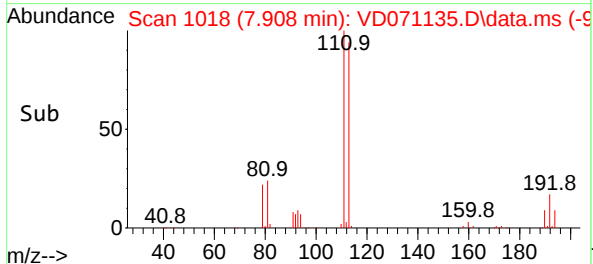
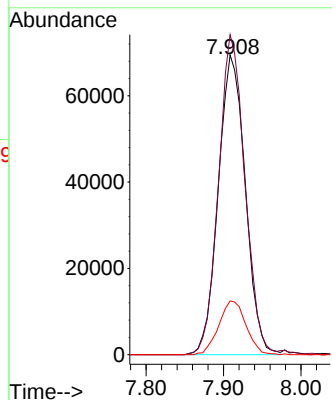
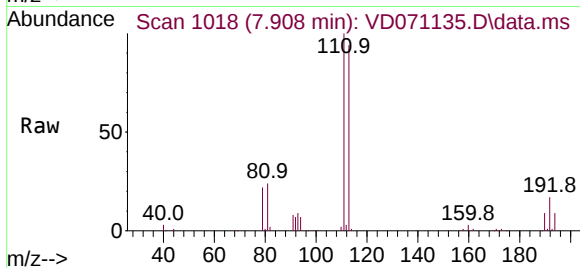
Tgt Ion:113 Resp: 168543

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.441 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

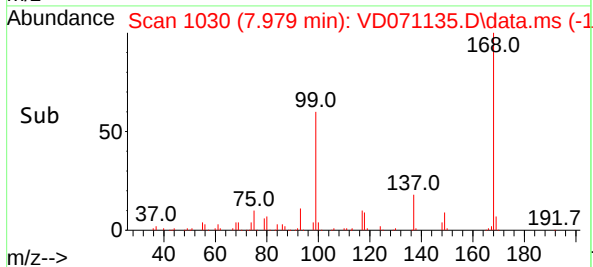
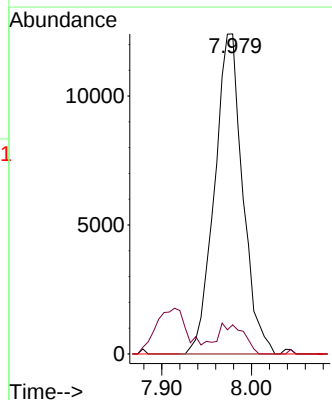
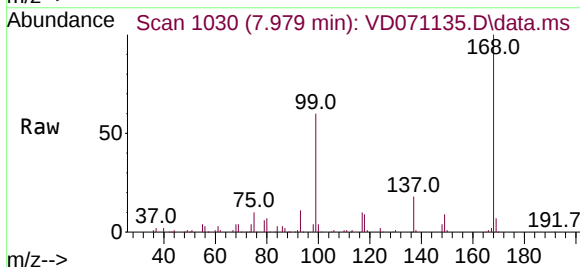
Tgt Ion: 75 Resp: 27040

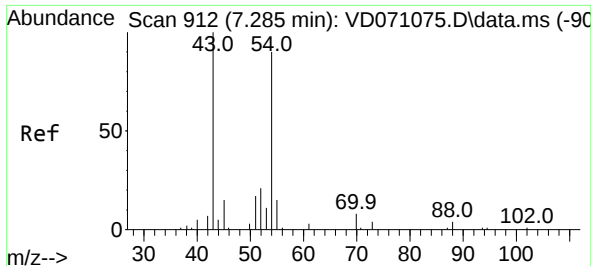
Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.4#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.054 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.082 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

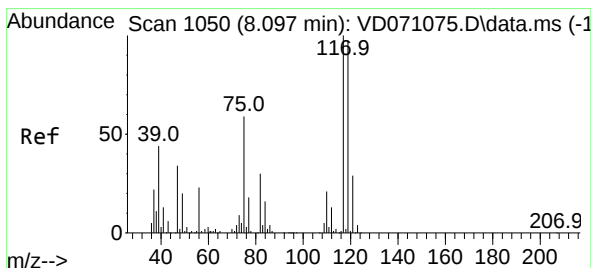
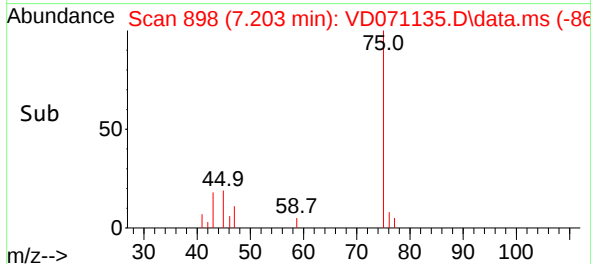
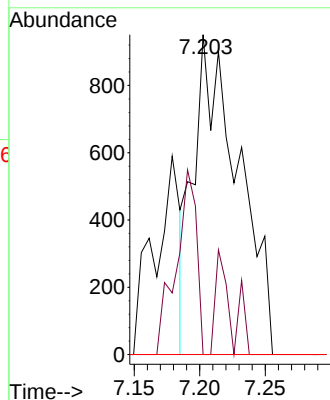
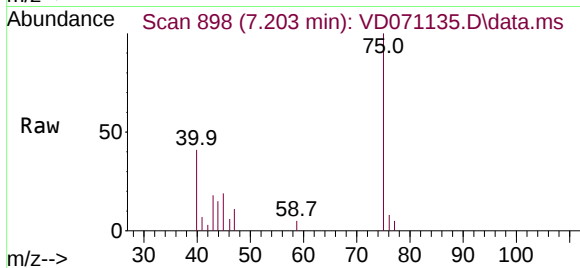
Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

61 11.6 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 6.385 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

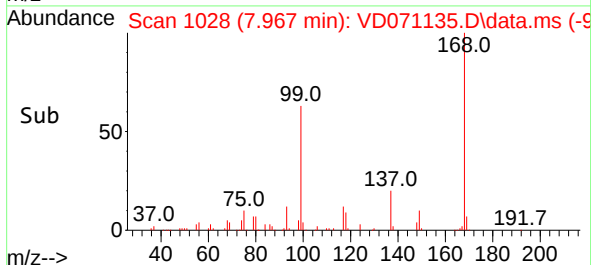
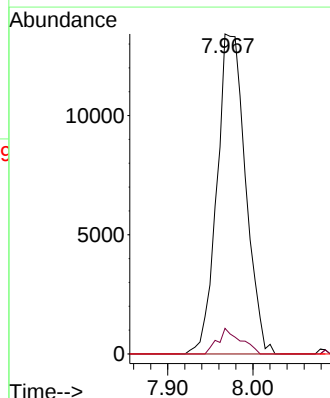
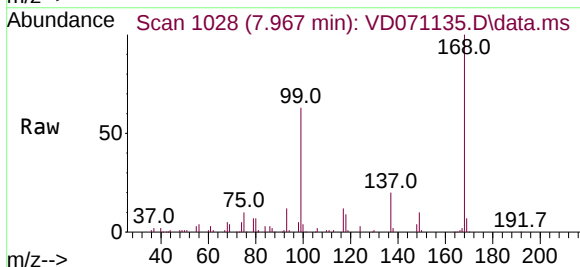
Tgt Ion: 117 Resp: 31280

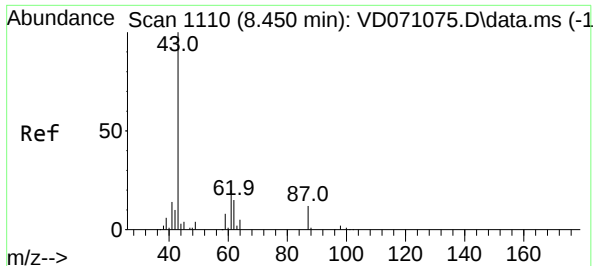
Ion Ratio Lower Upper

117 100

119 8.0 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.253 ug/l

RT: 8.532 min Scan# 1110

Delta R.T. 0.082 min

Lab File: VD071135.D

Acq: 03 Dec 2021 15:21

Instrument :

MSVOA_D

ClientSampleId :

SP-1-4

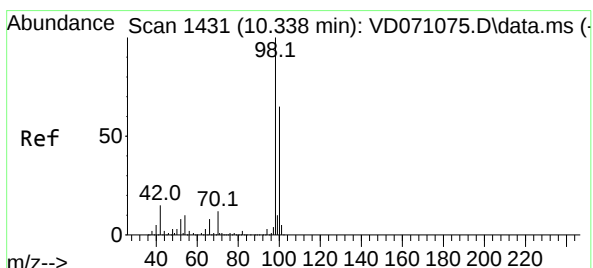
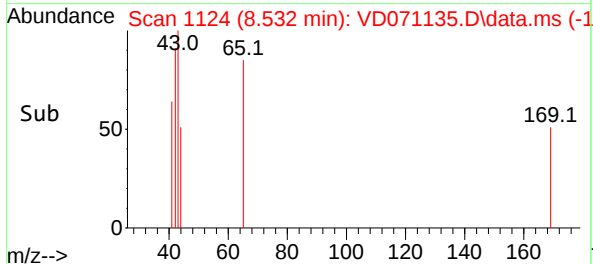
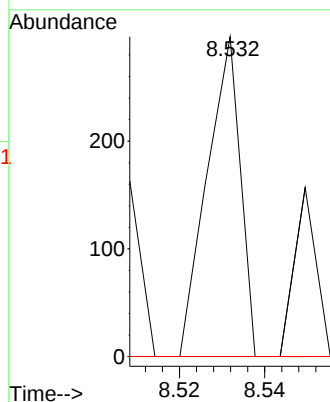
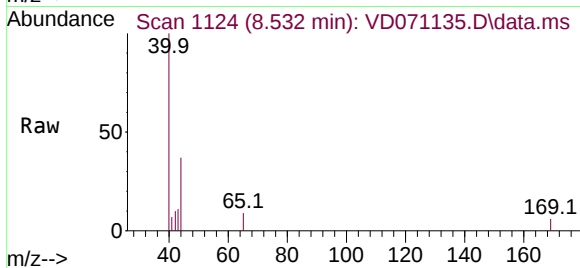
Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.891 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071135.D

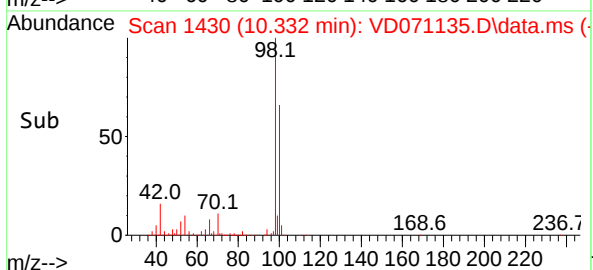
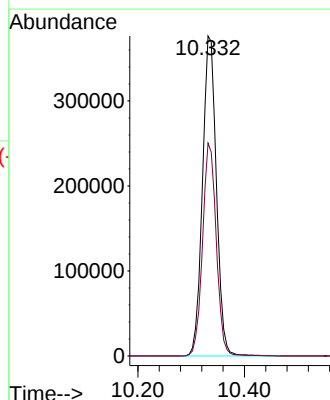
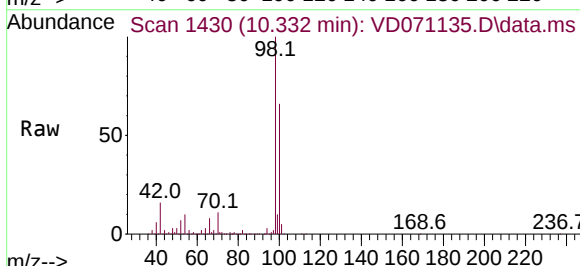
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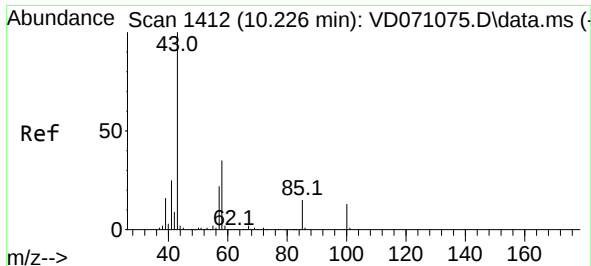
Tgt Ion: 98 Resp: 681549

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6

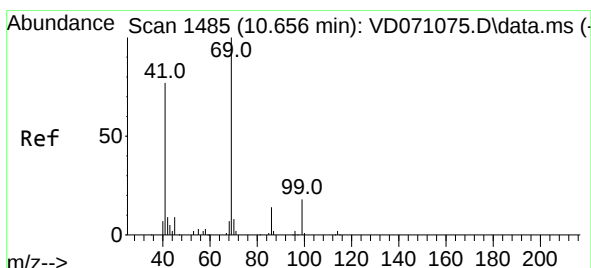
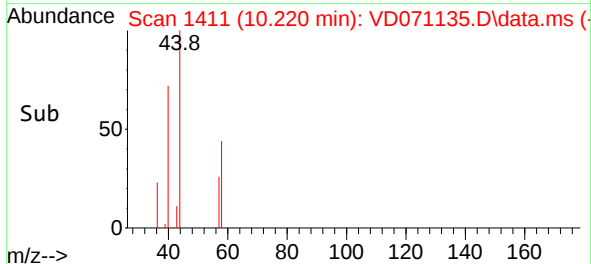
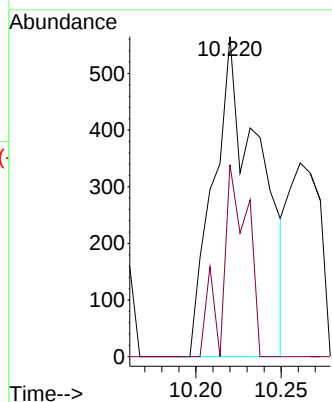
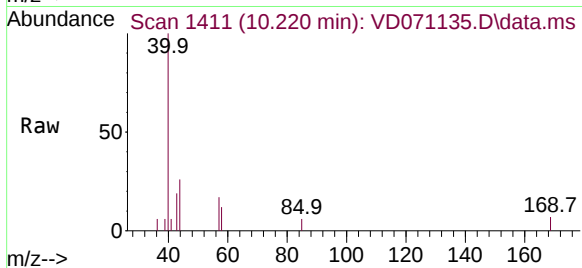




#51
4-Methyl-2-Pentanone
Concen: 31.039 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

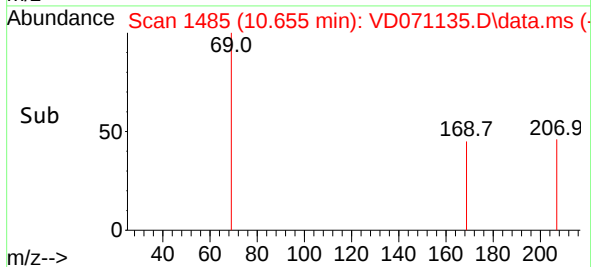
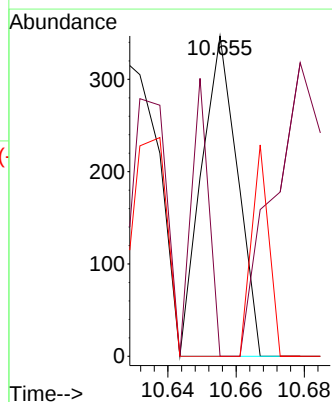
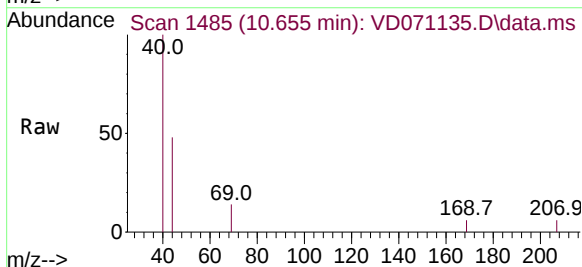
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

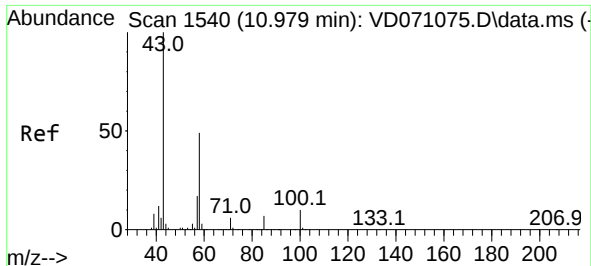
Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 32.7 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.035 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

Tgt Ion: 69 Resp: 254
Ion Ratio Lower Upper
69 100
41 147.6 50.2 75.2#
39 64.6 19.8 29.8#

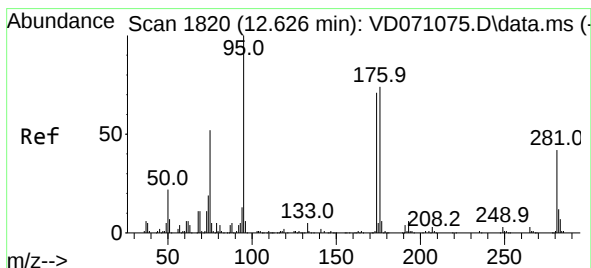
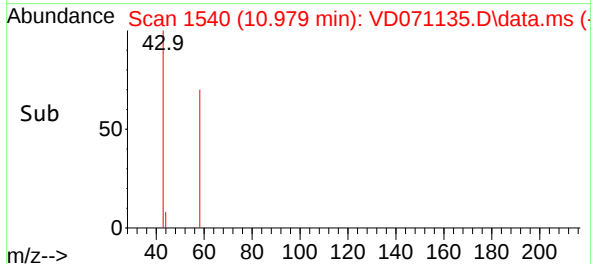
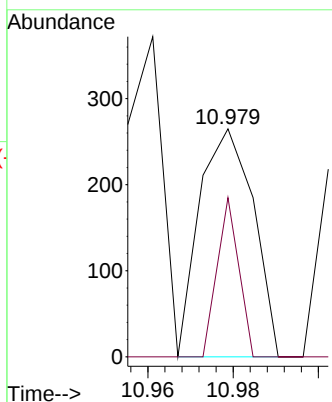
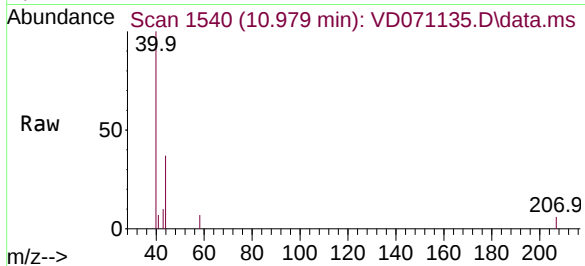




#59
2-Hexanone
Concen: 34.684 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

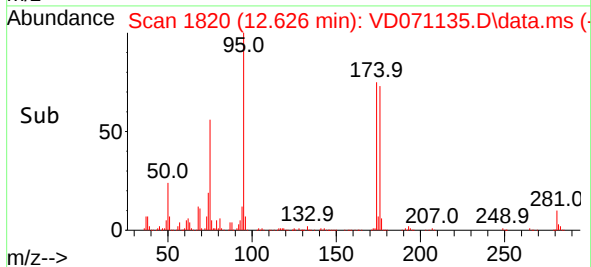
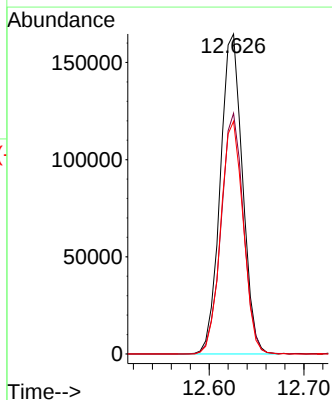
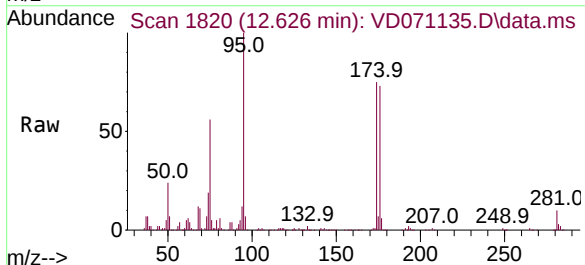
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

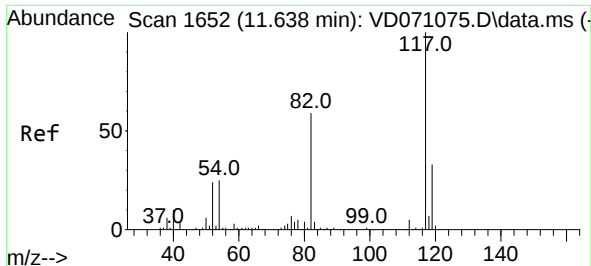
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
58 27.9 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 60.182 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

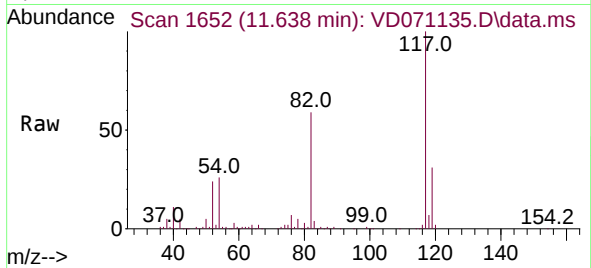
Tgt Ion: 95 Resp: 268814
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 73.5 0.0 154.0



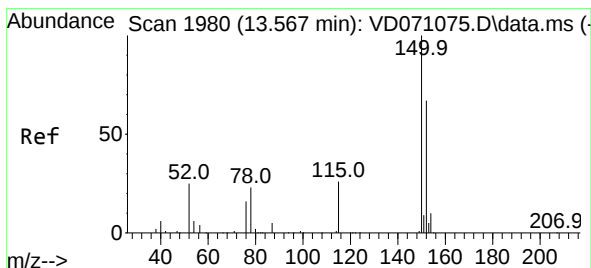
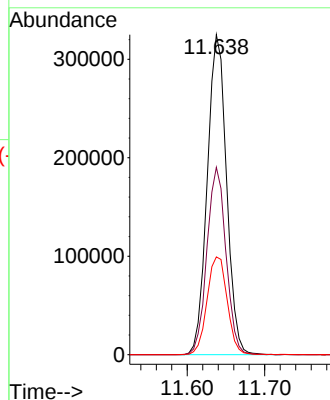
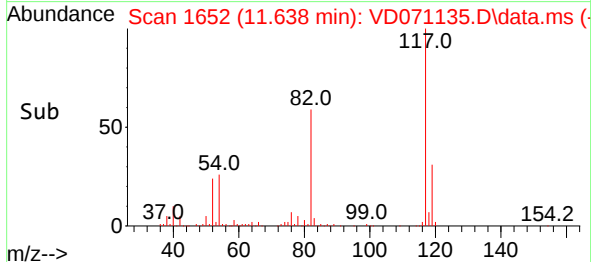


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

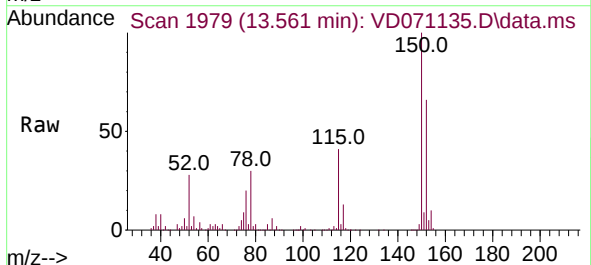
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4



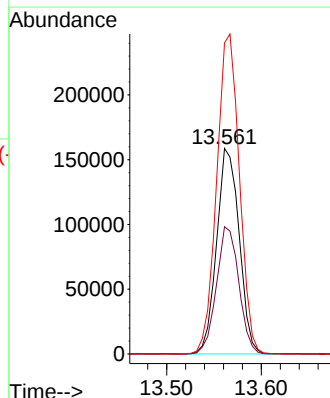
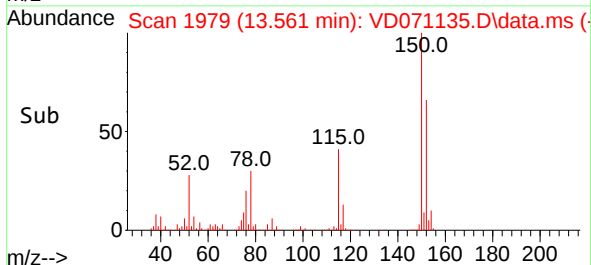
Tgt Ion:117 Resp: 561279
Ion Ratio Lower Upper
117 100
82 58.5 44.7 67.1
119 30.5 26.2 39.4

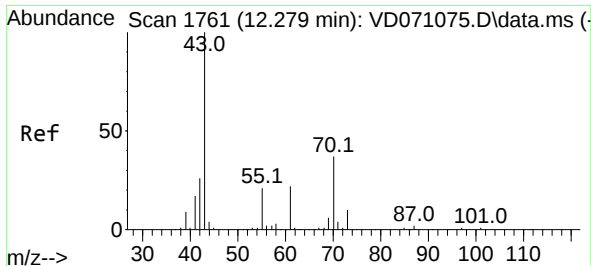


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21



Tgt Ion:152 Resp: 262791
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 156.9 0.0 349.2

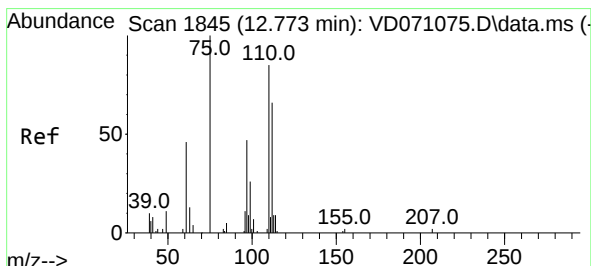
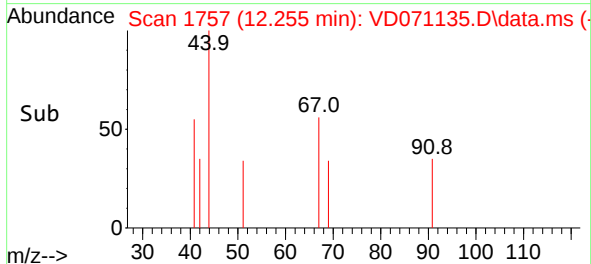
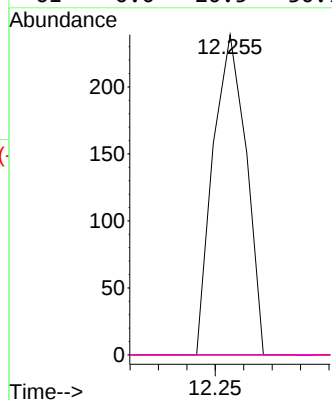
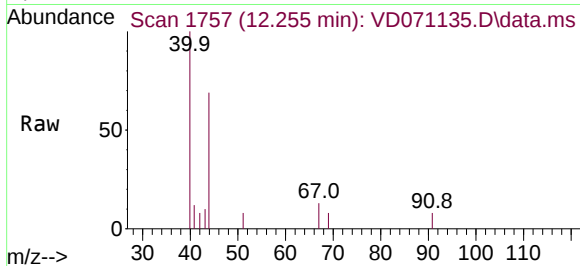




#74
N-amy1 acetate
Concen: 5.734 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

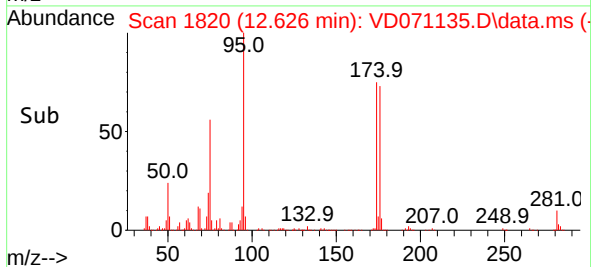
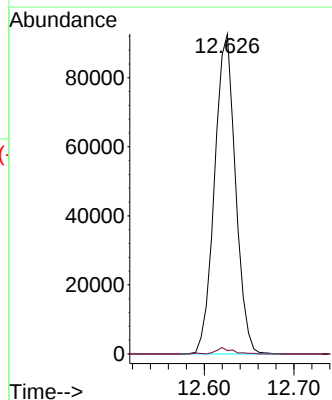
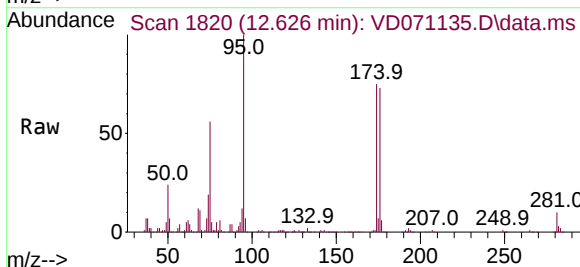
Instrument :
MSVOA_D
ClientSampleId :
SP-1-4

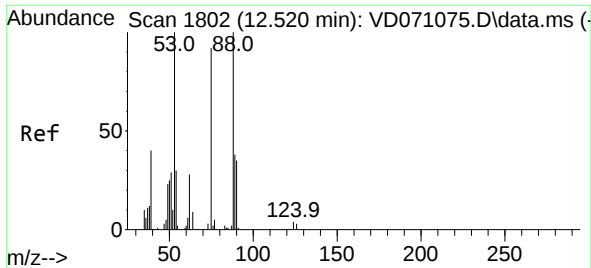
Tgt Ion:	43	Resp:	193
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 59.878 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071135.D
Acq: 03 Dec 2021 15:21

Tgt Ion:	75	Resp:	149920
Ion	Ratio	Lower	Upper
75	100		
77	1.5	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.652 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071135.D
 Acq: 03 Dec 2021 15:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-4

Tgt Ion: 75 Resp: 149920
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.3 34.5 51.7#

