

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071232.D
 Acq On : 09 Dec 2021 17:03
 Operator : VA/SY
 Sample : M4990-19
 Misc : 6.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:46:16 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)

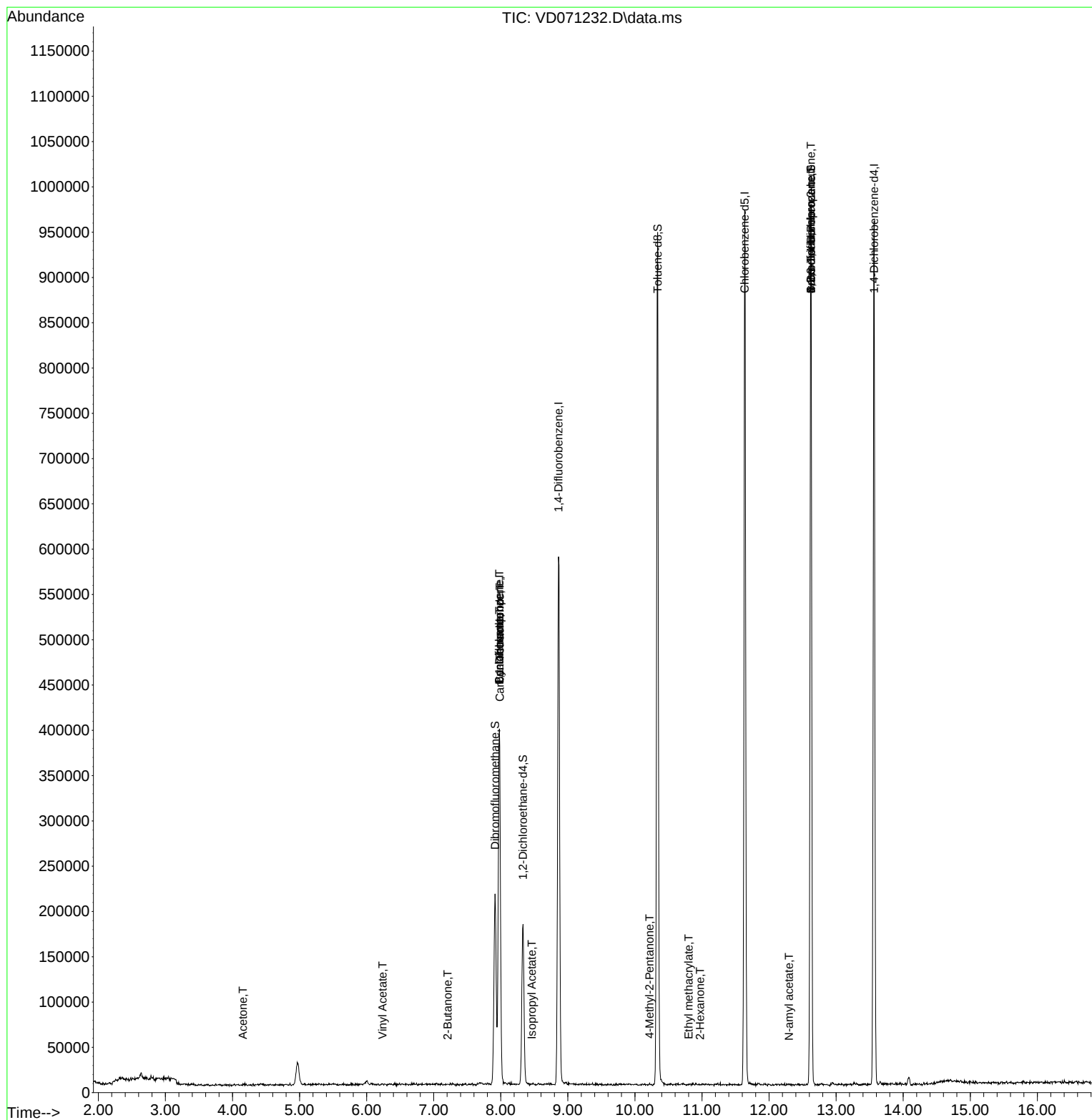
Internal Standards						
1) Pentafluorobenzene	7.979	168	275040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	475873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	507244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	234433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139536	43.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.480%		
35) Dibromofluoromethane	7.914	113	144300	47.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.240%		
50) Toluene-d8	10.337	98	619631	53.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.460%		
62) 4-Bromofluorobenzene	12.625	95	243247	60.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.700%		
Target Compounds					Qvalue	
16) Acetone	4.155	43	1120	31.942	ug/l	100
23) Vinyl Acetate	6.238	43	80	27.232	ug/l #	72
25) 2-Butanone	7.208	43	130	28.475	ug/l #	45
31) Cyclohexane	7.979	56	8145	1.484	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	26653	5.993	ug/l #	50
38) Carbon Tetrachloride	7.985	117	29565	6.743	ug/l #	15
41) Methacrylonitrile	7.479	41	57	Below Cal	#	12
43) Isopropyl Acetate	8.461	43	56	5.235	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	131	30.705	ug/l #	34
56) Ethyl methacrylate	10.802	69	55	5.986	ug/l #	1
59) 2-Hexanone	10.973	43	54	34.602	ug/l #	22
71) Bromoform	12.625	173	2756	1.548	ug/l #	1
74) N-amyl acetate	12.296	43	61	5.713	ug/l #	40
76) 1,2,3-Trichloropropane	12.625	75	139500	62.456	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	139500	134.985	ug/l #	19

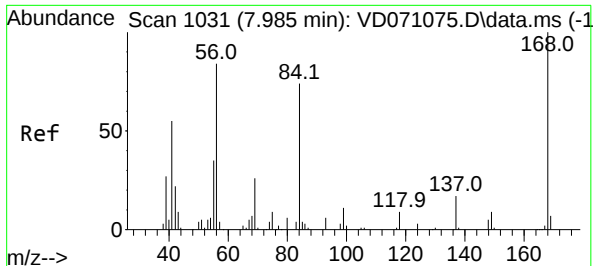
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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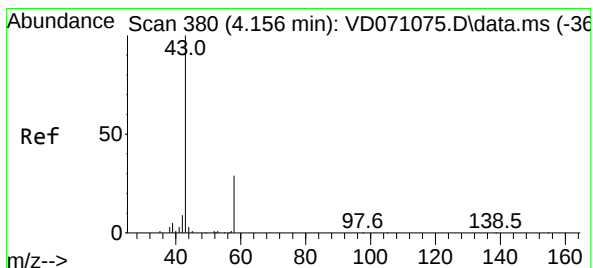
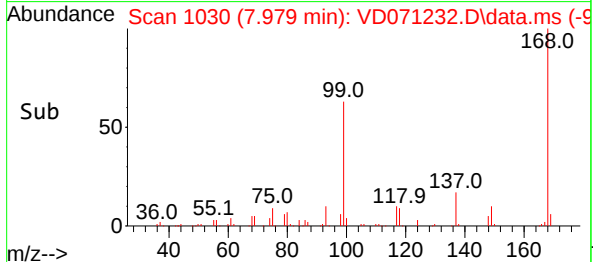
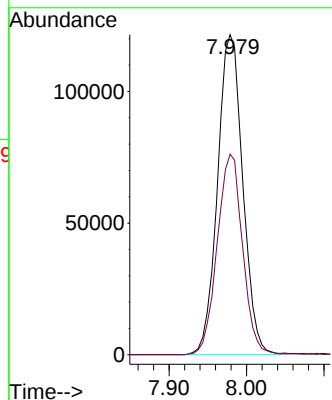
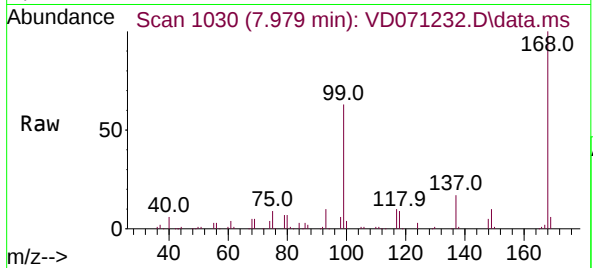




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

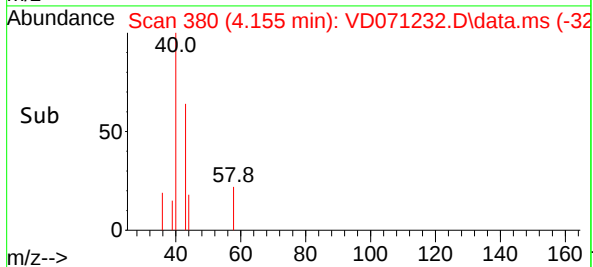
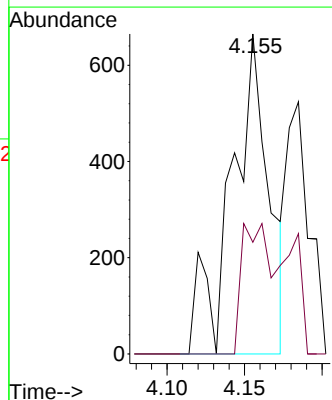
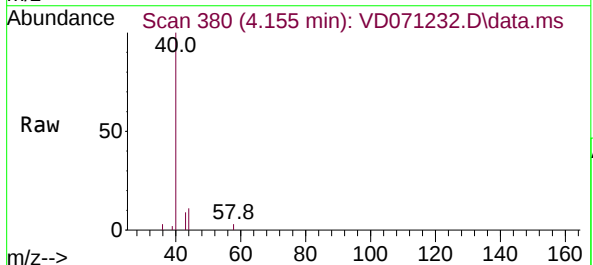
Instrument :
MSVOA_D
ClientSampleId :

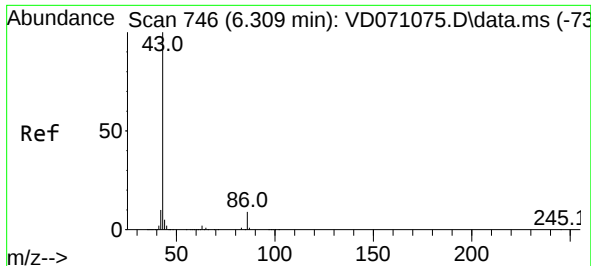
Tgt Ion:168 Resp: 275040
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#16
Acetone
Concen: 31.942 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 34.9 27.8 41.8

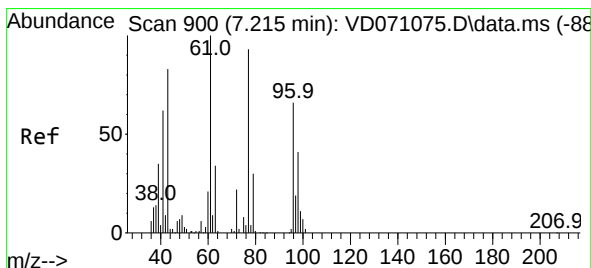
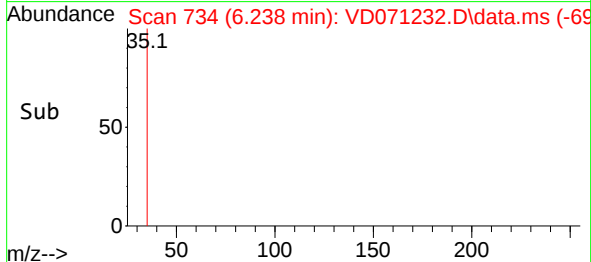
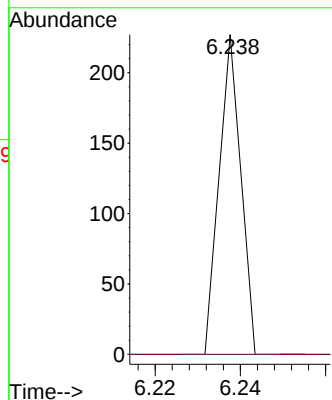
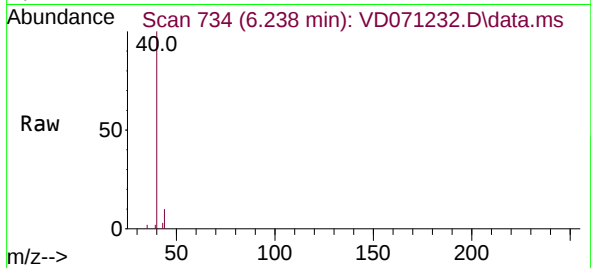




#23
 Vinyl Acetate
 Concen: 27.232 ug/l
 RT: 6.238 min Scan# 71
 Delta R.T. -0.071 min
 Lab File: VD071232.D
 Acq: 09 Dec 2021 17:03

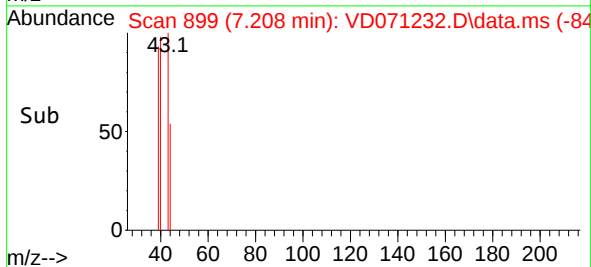
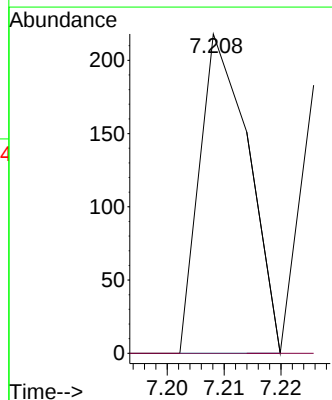
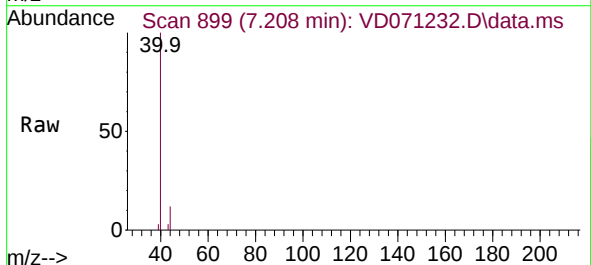
Instrument :
 MSVOA_D
 ClientSampleId :

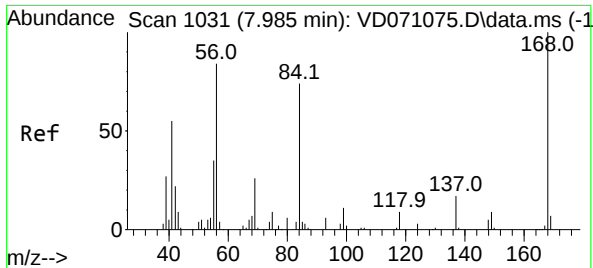
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.475 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.007 min
 Lab File: VD071232.D
 Acq: 09 Dec 2021 17:03

Tgt Ion: 43 Resp: 130
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

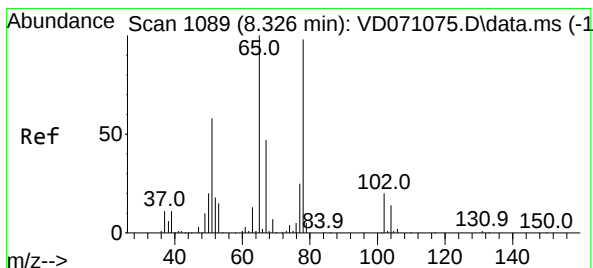
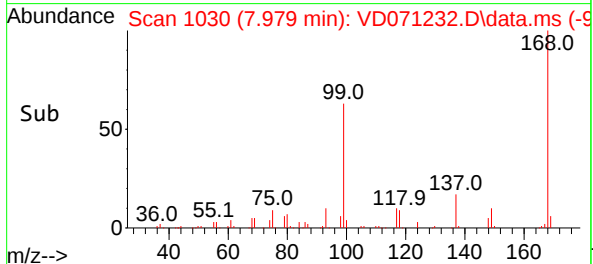
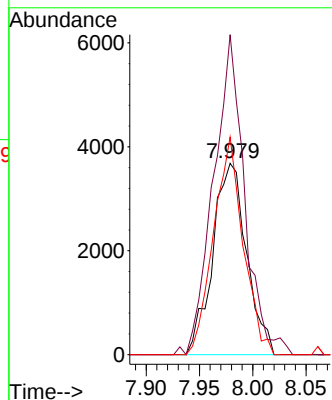
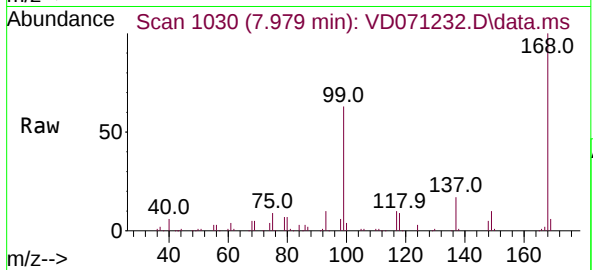




#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

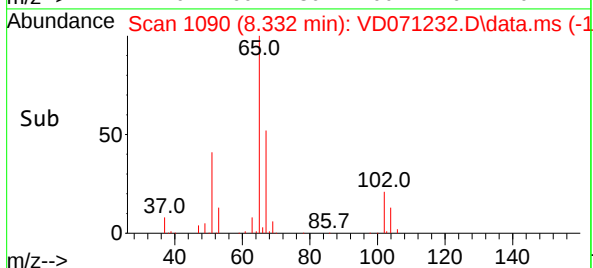
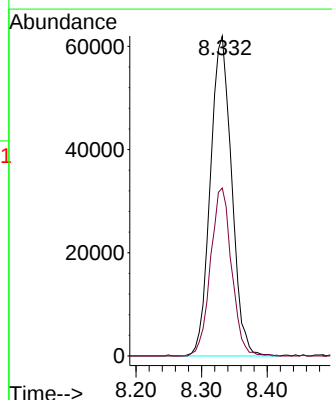
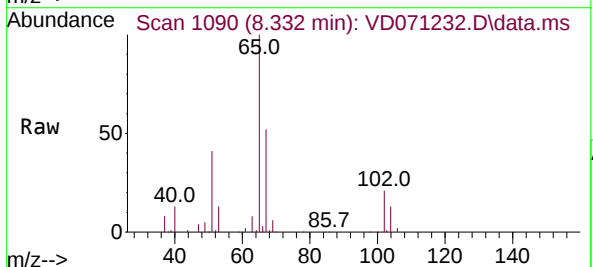
Instrument :
MSVOA_D
ClientSampleId :

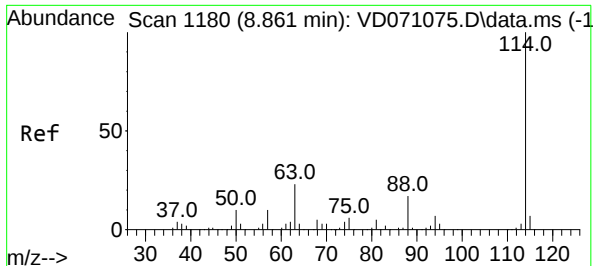
Tgt Ion: 56 Resp: 8145
Ion Ratio Lower Upper
56 100
69 163.1 25.9 38.9#
84 113.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 43.236 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Tgt Ion: 65 Resp: 139536
Ion Ratio Lower Upper
65 100
67 52.0 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: VD071232.D

Acq: 09 Dec 2021 17:03

Instrument :

MSVOA_D

ClientSampleId :

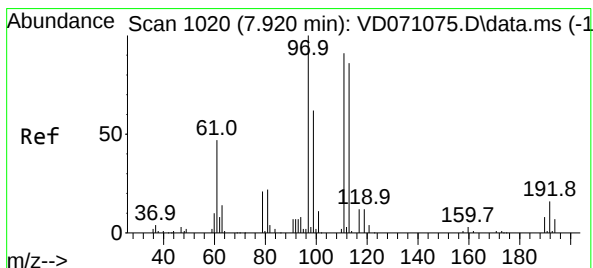
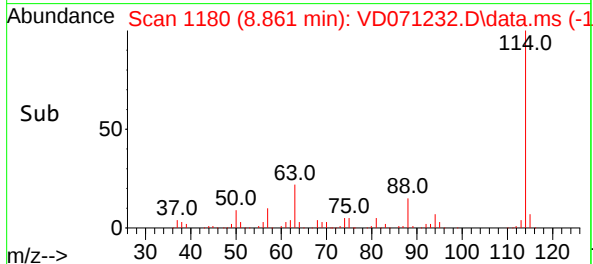
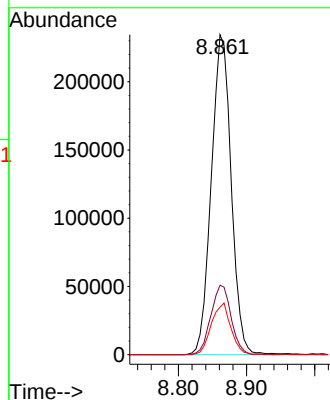
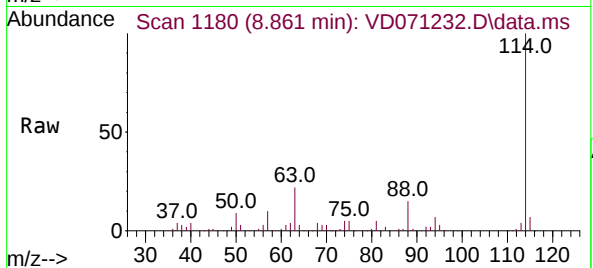
Tgt Ion:114 Resp: 475873

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 14.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.619 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071232.D

Acq: 09 Dec 2021 17:03

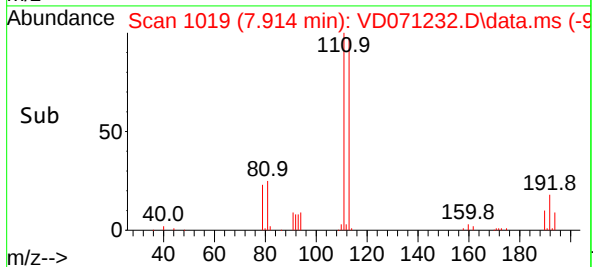
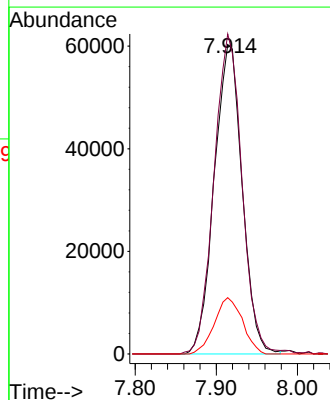
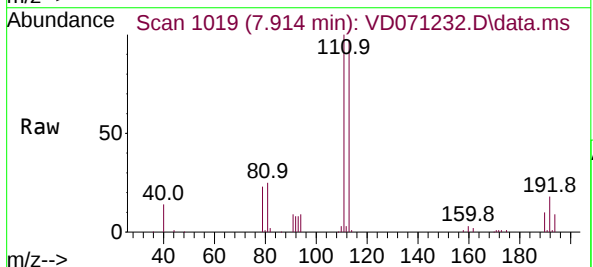
Tgt Ion:113 Resp: 144300

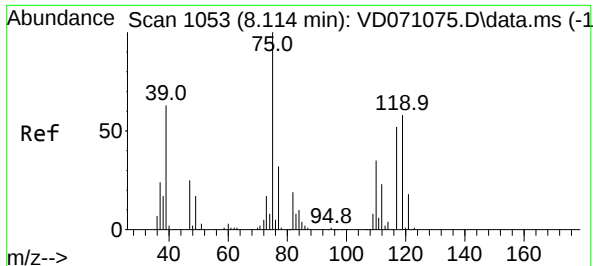
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.993 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

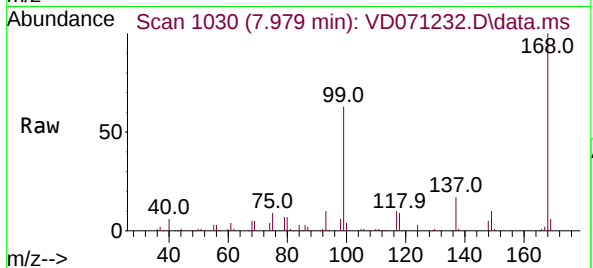
Lab File: VD071232.D

Acq: 09 Dec 2021 17:03

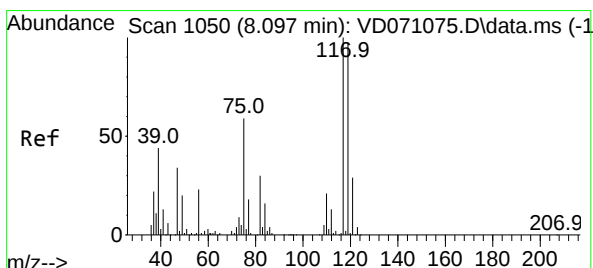
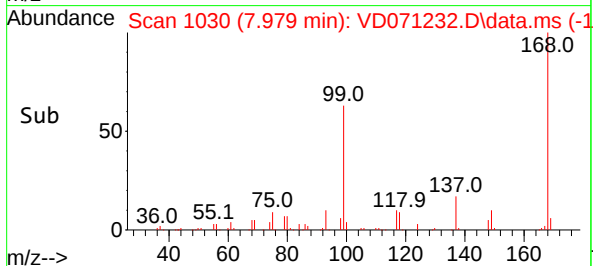
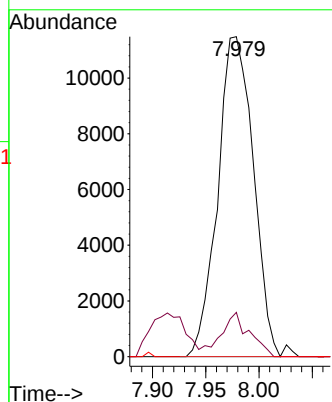
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	26653
Ion Ratio	Lower	Upper	
75	100		
110	10.1	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.743 ug/l

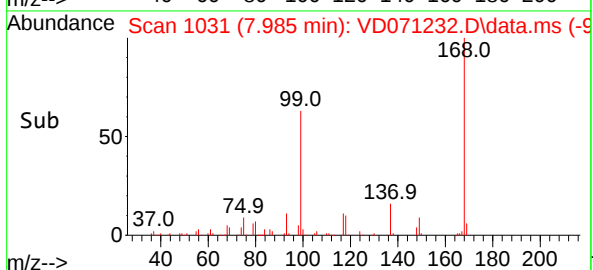
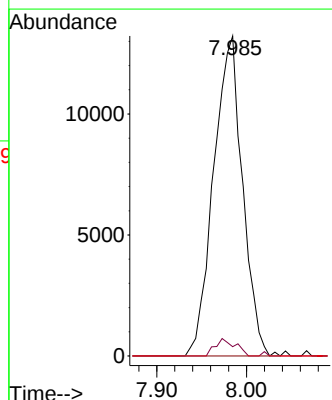
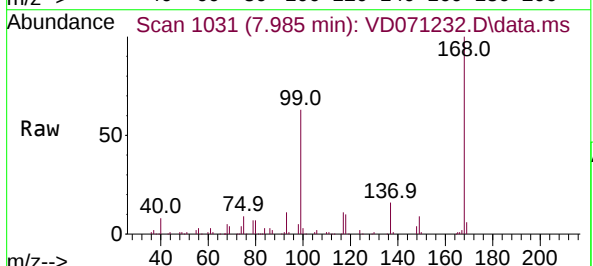
RT: 7.985 min Scan# 1031

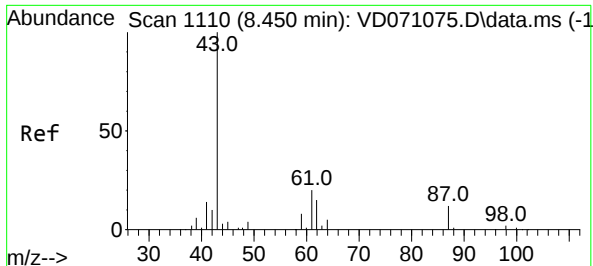
Delta R.T. -0.112 min

Lab File: VD071232.D

Acq: 09 Dec 2021 17:03

Tgt Ion:	117	Resp:	29565
Ion Ratio	Lower	Upper	
117	100		
119	2.9	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.235 ug/l

RT: 8.461 min Scan# 1112

Delta R.T. 0.011 min

Lab File: VD071232.D

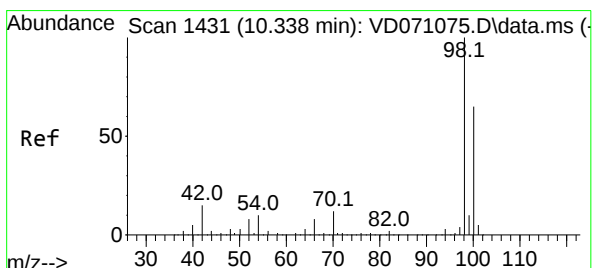
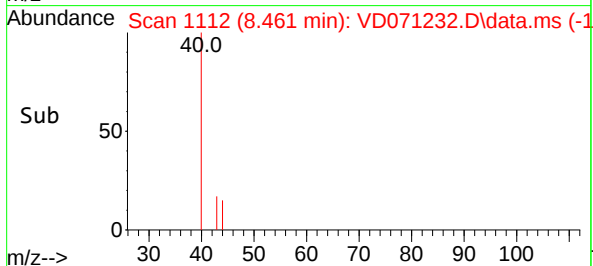
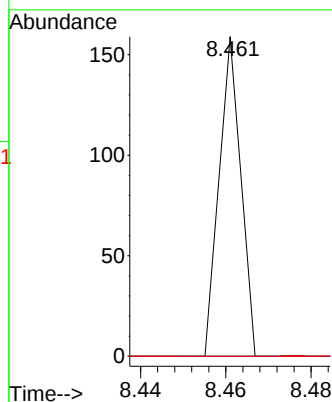
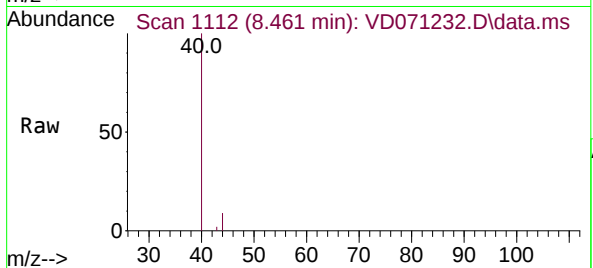
Acq: 09 Dec 2021 17:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.732 ug/l

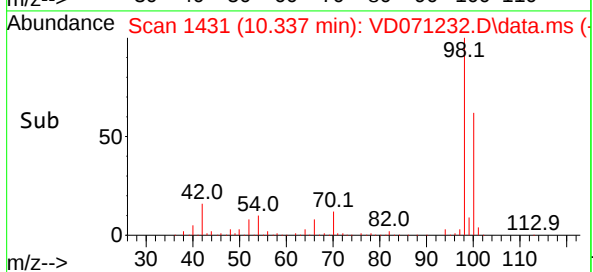
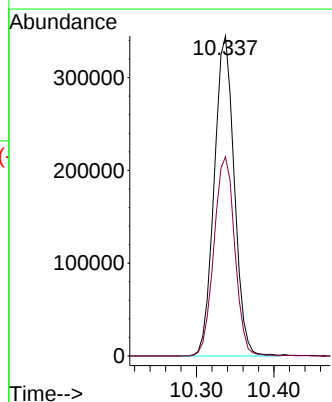
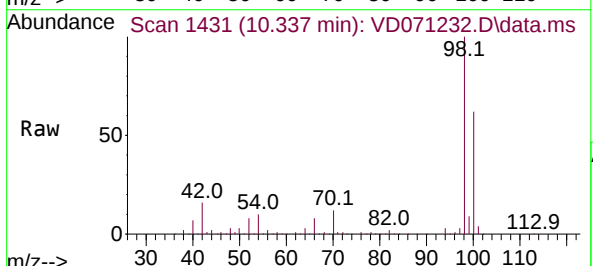
RT: 10.337 min Scan# 1431

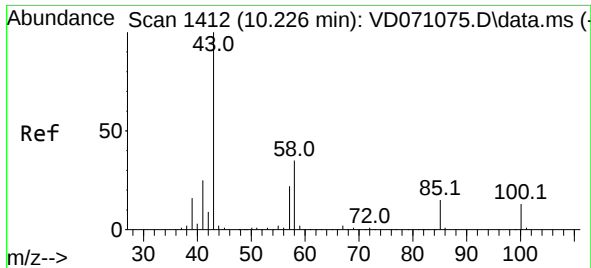
Delta R.T. -0.001 min

Lab File: VD071232.D

Acq: 09 Dec 2021 17:03

Tgt Ion: 98	Resp: 619631
Ion Ratio	Lower Upper
98	100
100	64.6 51.8 77.6

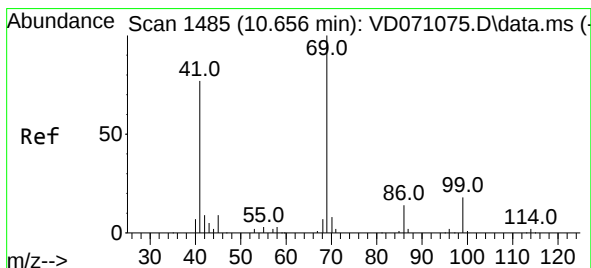
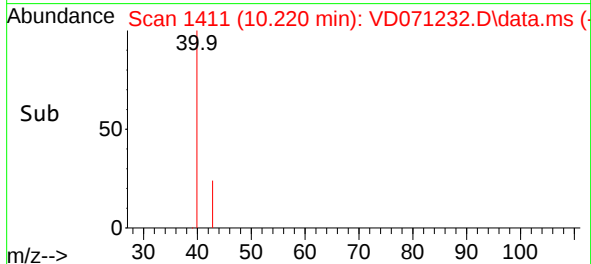
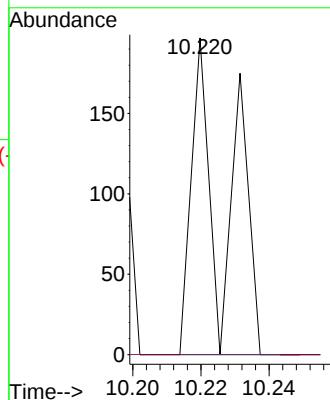
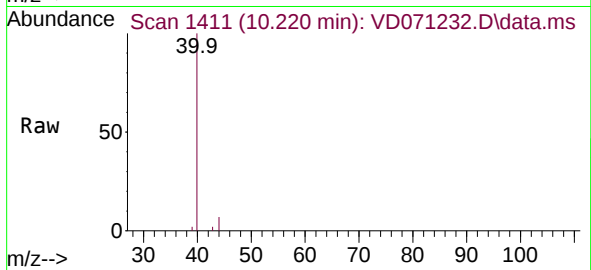




#51
4-Methyl-2-Pentanone
Concen: 30.705 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

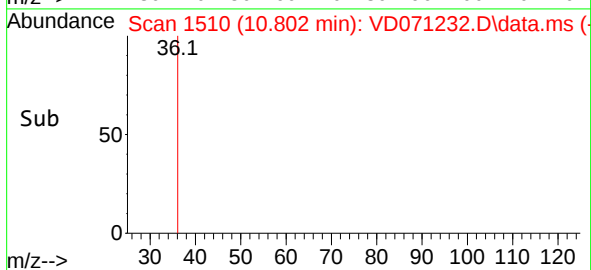
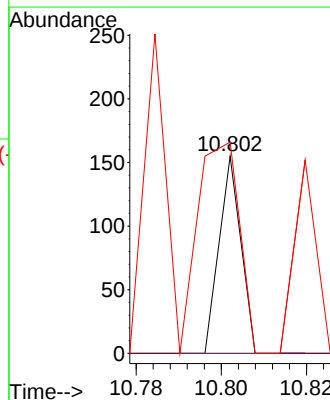
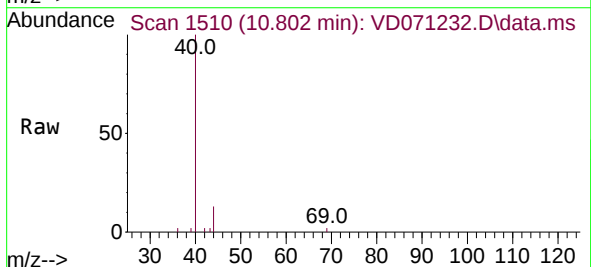
Instrument :
MSVOA_D
ClientSampleId :

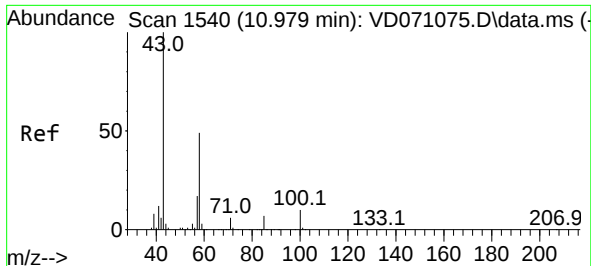
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.986 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.146 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 98.2 19.8 29.8#

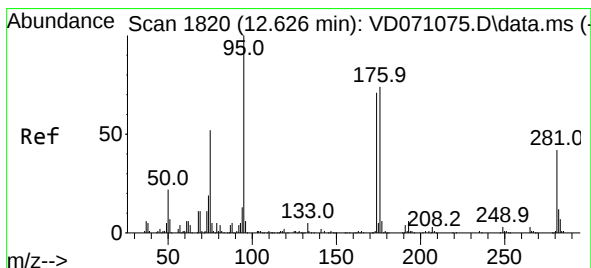
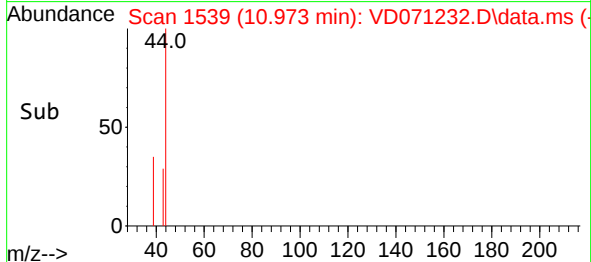
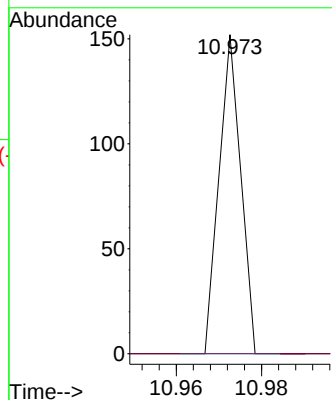
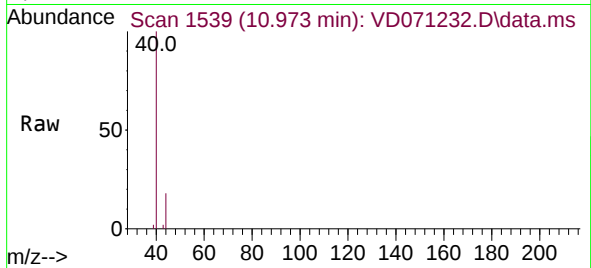




#59
2-Hexanone
Concen: 34.602 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

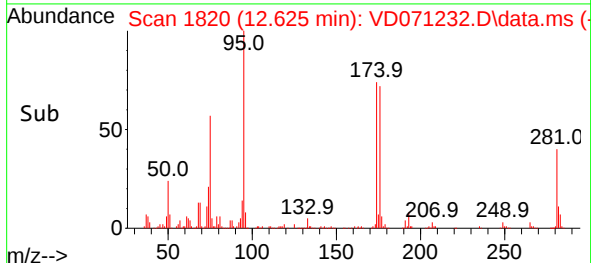
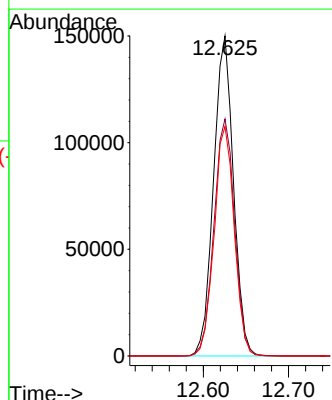
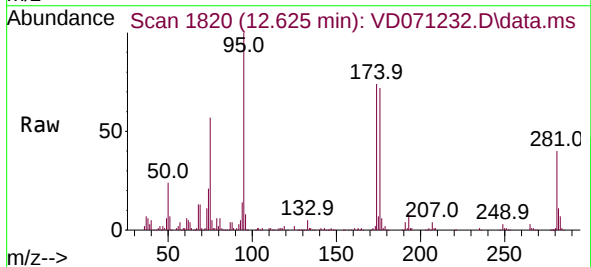
Instrument :
MSVOA_D
ClientSampleId :

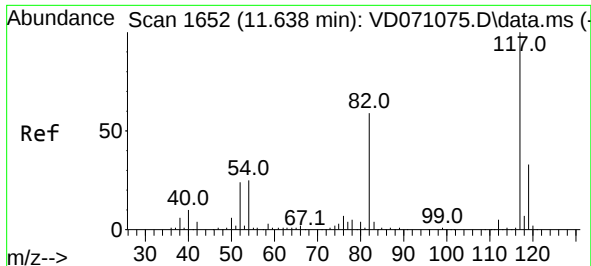
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 60.852 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Tgt Ion: 95 Resp: 243247
Ion Ratio Lower Upper
95 100
174 76.9 0.0 159.4
176 72.6 0.0 154.0

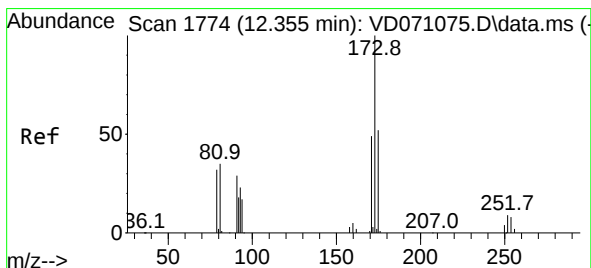
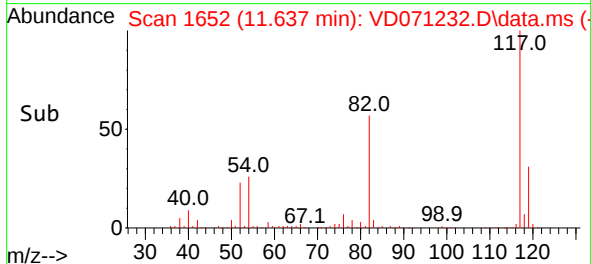
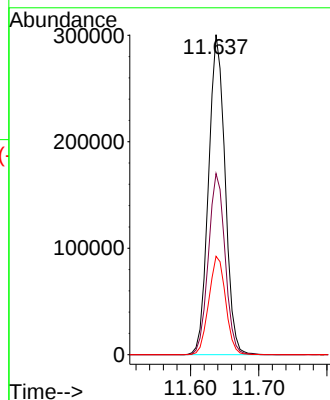
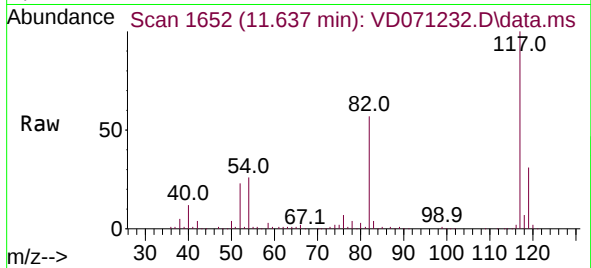




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

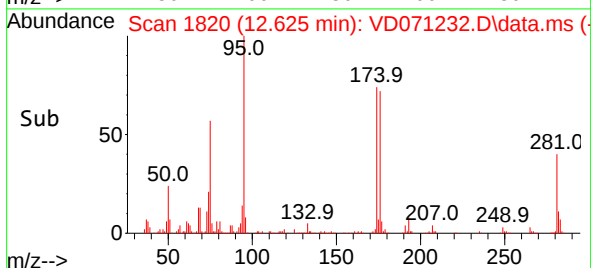
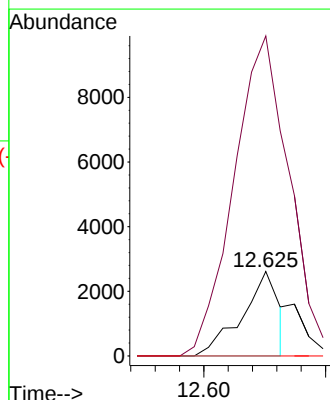
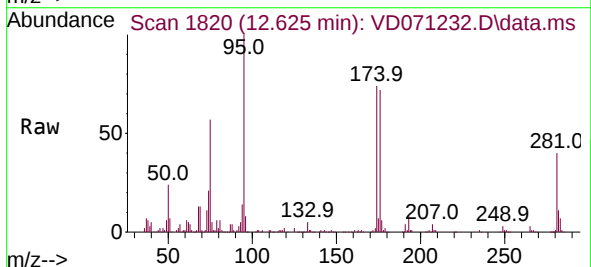
Instrument :
MSVOA_D
ClientSampleId :

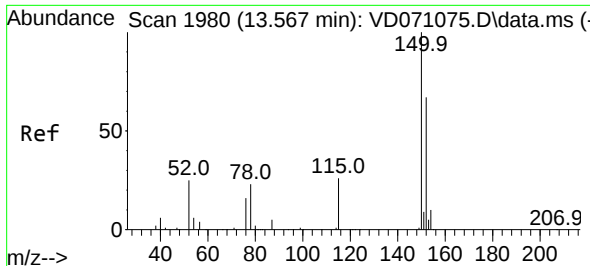
Tgt Ion:117 Resp: 507244
Ion Ratio Lower Upper
117 100
82 56.6 44.7 67.1
119 30.8 26.2 39.4



#71
Bromoform
Concen: 1.548 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

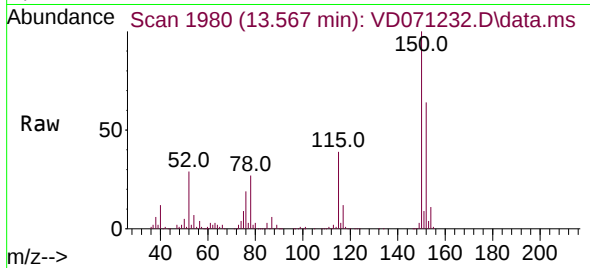
Tgt Ion:173 Resp: 2756
Ion Ratio Lower Upper
173 100
175 471.9 24.1 72.2#
254 0.0 0.1 0.1#



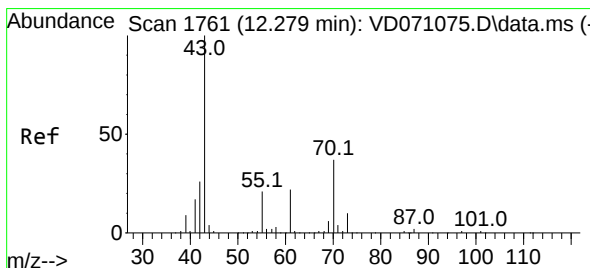
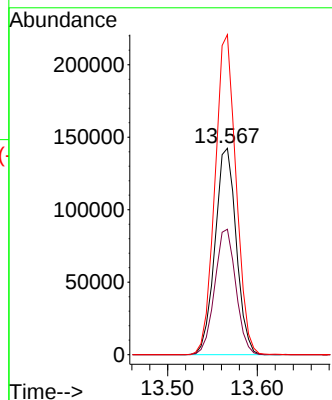
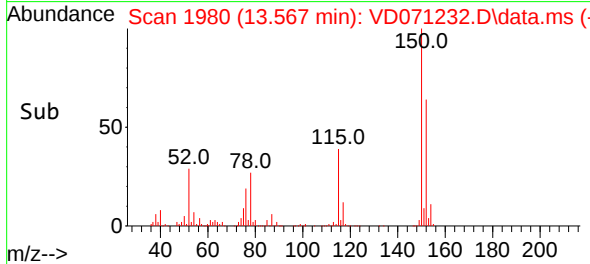


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

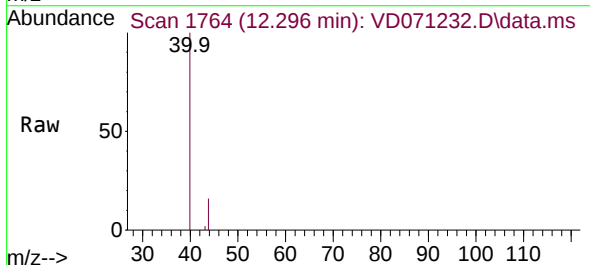
Instrument :
MSVOA_D
ClientSampleId :



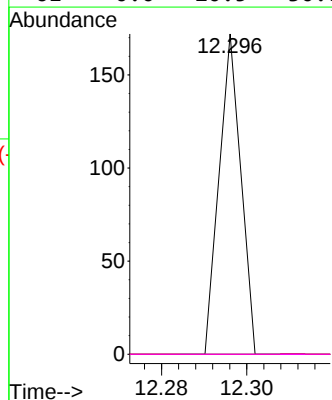
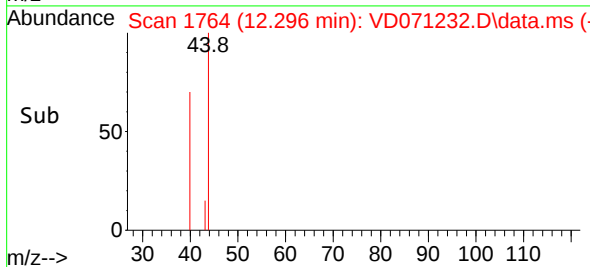
Tgt Ion:152 Resp: 234433
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 153.5 0.0 349.2

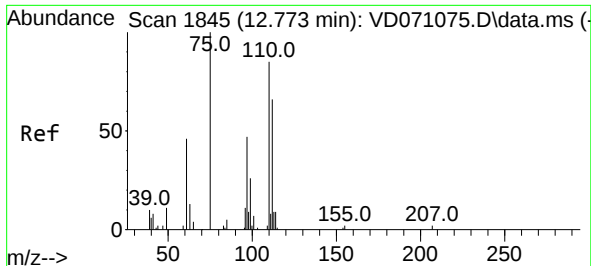


#74
N-ethyl acetate
Concen: 5.713 ug/l
RT: 12.296 min Scan# 1764
Delta R.T. 0.017 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03



Tgt Ion: 43 Resp: 61
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#

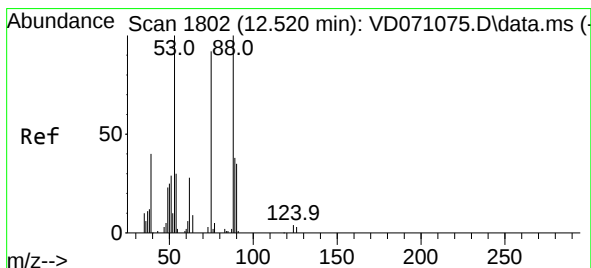
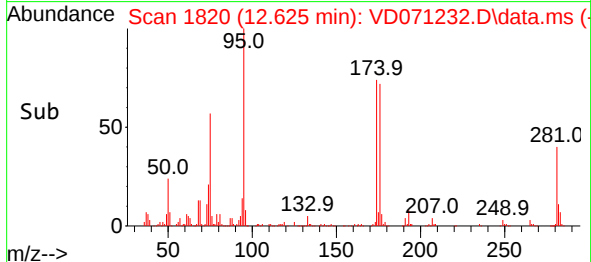
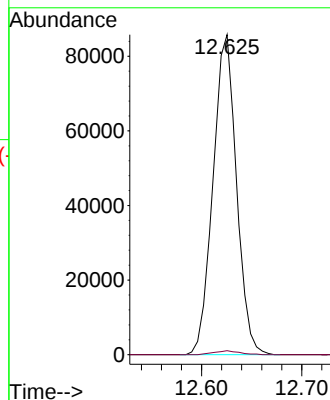
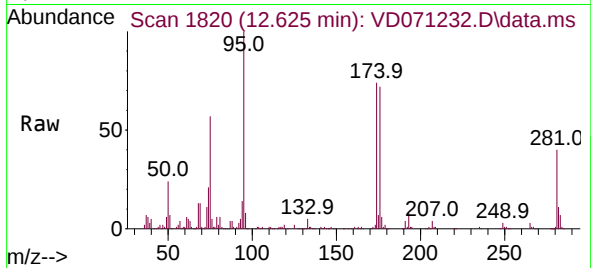




#76
1,2,3-Trichloropropane
Concen: 62.456 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 139500
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.985 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071232.D
Acq: 09 Dec 2021 17:03

Tgt Ion: 75 Resp: 139500
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 1.0 34.5 51.7#

