

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071288.D
 Acq On : 13 Dec 2021 10:59
 Operator : VA/SY
 Sample : VD1213SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:12:23 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)

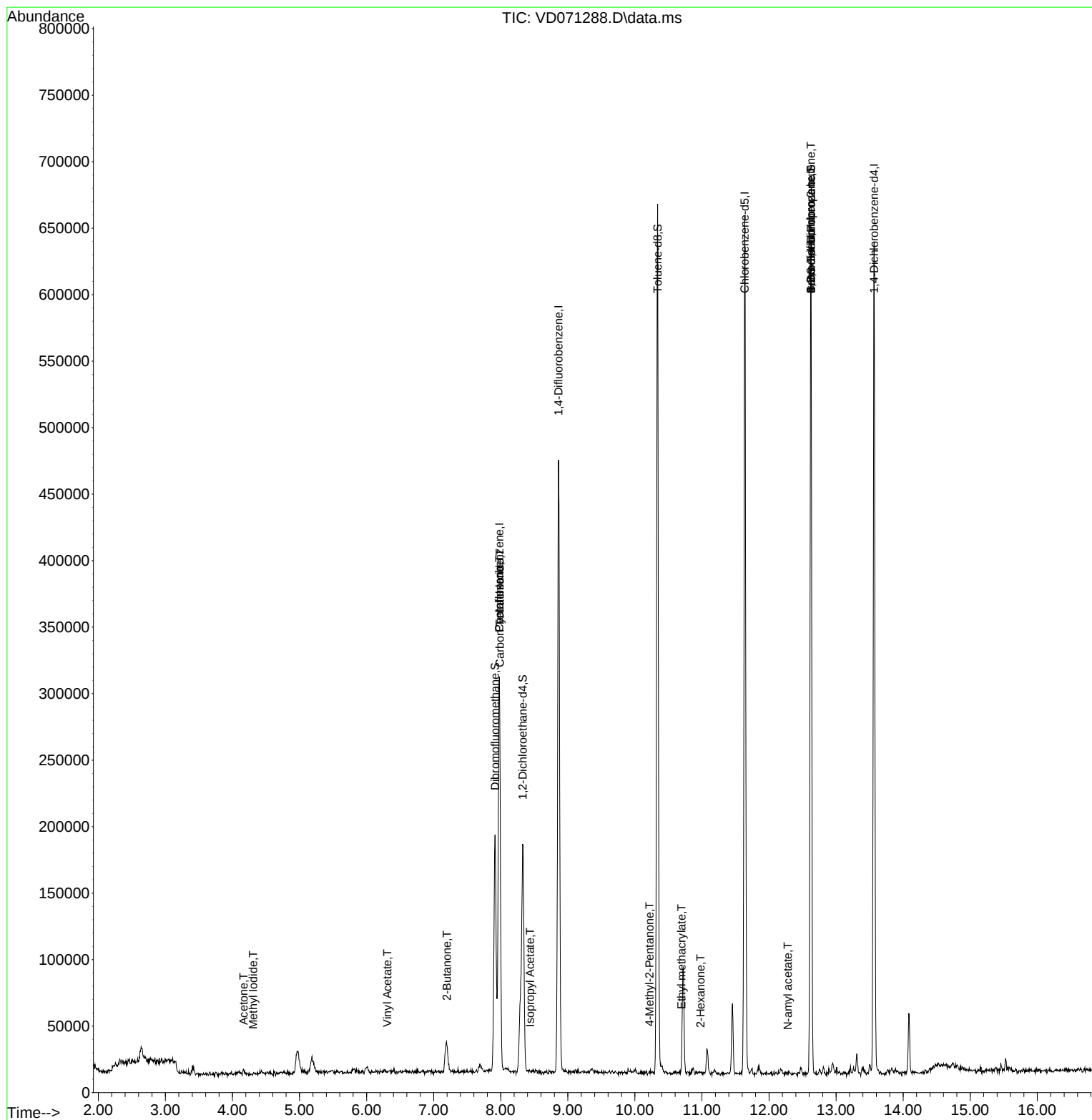
Internal Standards						
1) Pentafluorobenzene	7.979	168	210217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	364321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	333841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	149375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	131626	53.362	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.720%		
35) Dibromofluoromethane	7.914	113	120700	52.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 104.060%		
50) Toluene-d8	10.338	98	408307	46.248	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 92.500%		
62) 4-Bromofluorobenzene	12.626	95	145163	47.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 94.860%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.309	142	318	4.678	ug/l #	43
11) Tert butyl alcohol	5.179	59	5604	Below Cal	#	73
16) Acetone	4.167	43	3948	36.081	ug/l #	74
23) Vinyl Acetate	6.309	43	443	27.317	ug/l #	72
25) 2-Butanone	7.197	43	1487	30.102	ug/l #	45
31) Cyclohexane	7.979	56	7017	1.672	ug/l #	54
38) Carbon Tetrachloride	7.985	117	21556	6.422	ug/l #	15
41) Methacrylonitrile	7.538	41	248	Below Cal	#	33
43) Isopropyl Acetate	8.438	43	83	5.246	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1203	31.288	ug/l	92
56) Ethyl methacrylate	10.697	69	56	5.991	ug/l #	48
59) 2-Hexanone	10.979	43	547	34.951	ug/l #	57
71) Bromoform	12.626	173	1755	1.498	ug/l #	1
74) N-amyl acetate	12.279	43	79	5.725	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	87725	61.640	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	87725	133.298	ug/l #	19

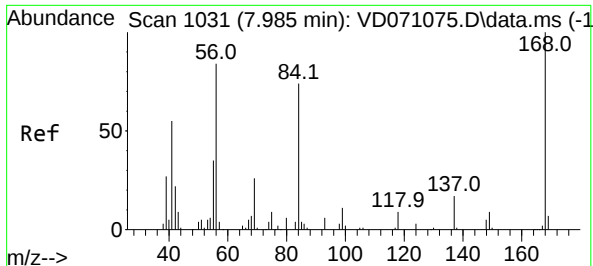
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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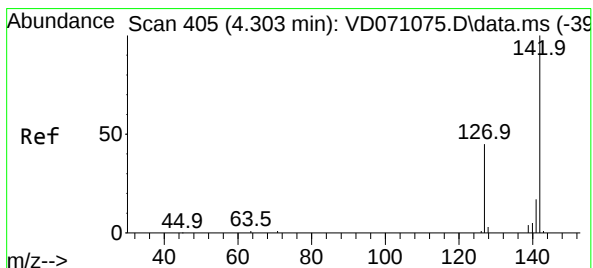
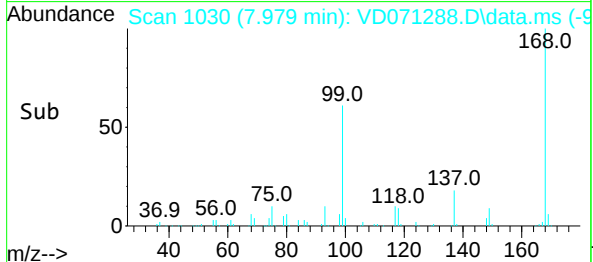
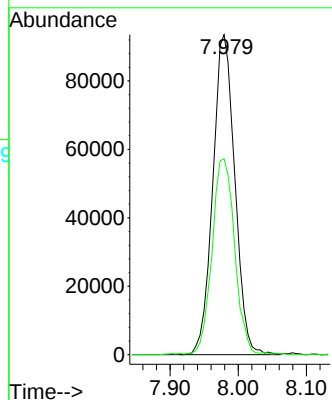
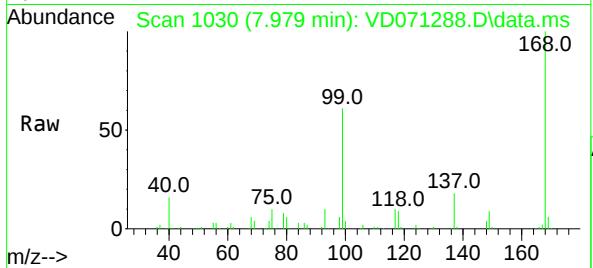




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

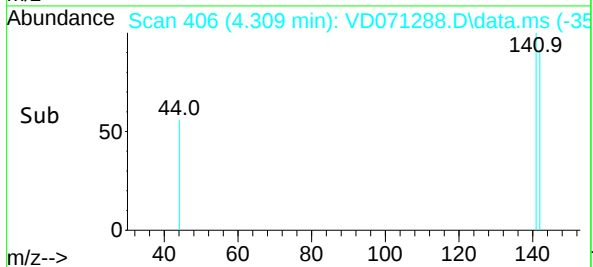
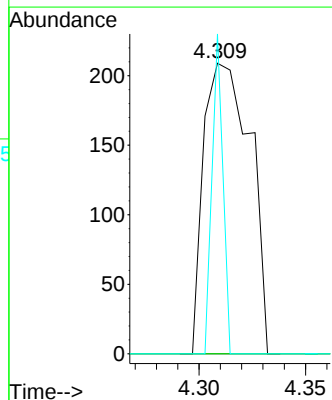
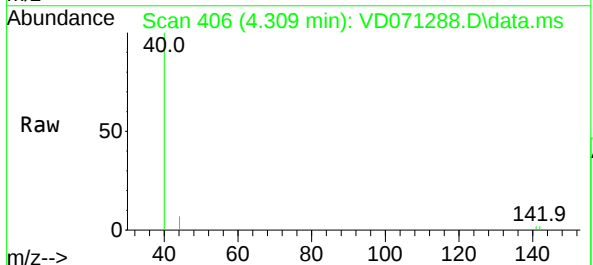
Instrument :
MSVOA_D
ClientSampleId :

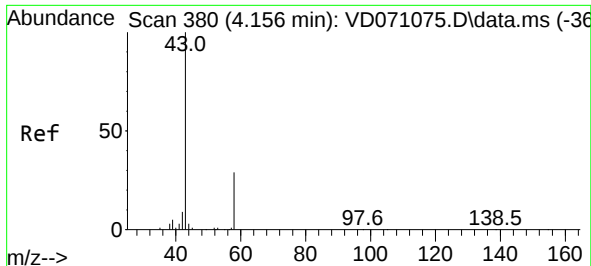
Tgt Ion:168 Resp: 210217
Ion Ratio Lower Upper
168 100
99 60.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.678 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion:142 Resp: 318
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 25.5 12.0 18.0#

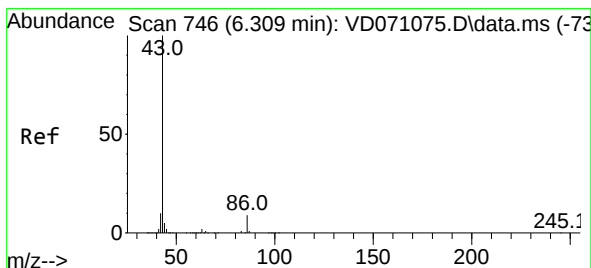
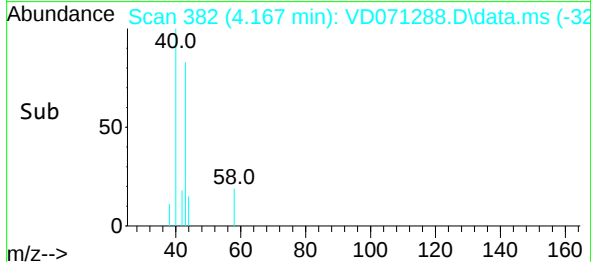
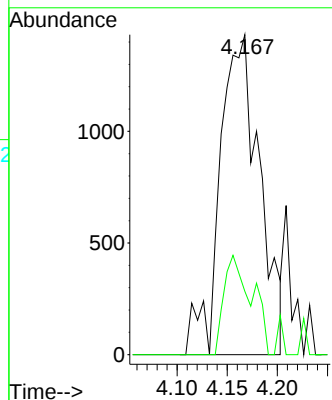
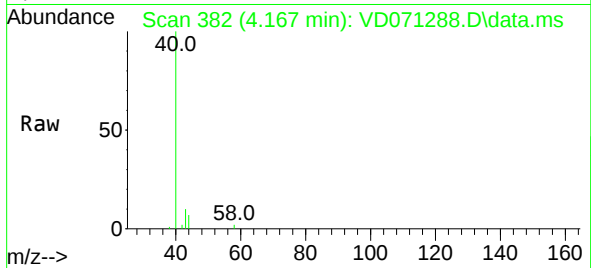




#16
Acetone
Concen: 36.081 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

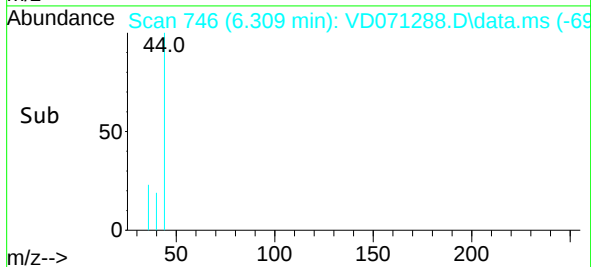
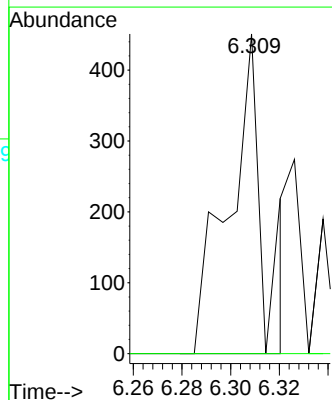
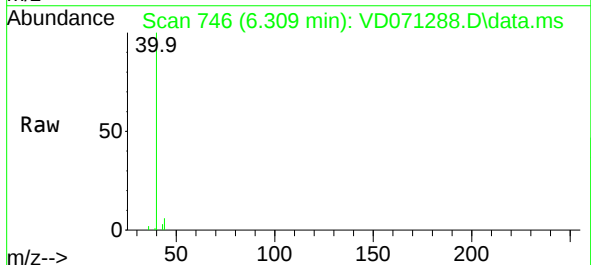
Instrument :
MSVOA_D
ClientSampleId :

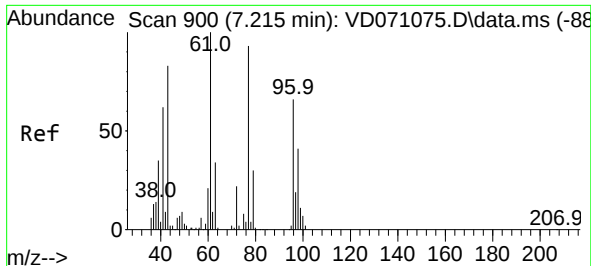
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
58 19.8 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.317 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

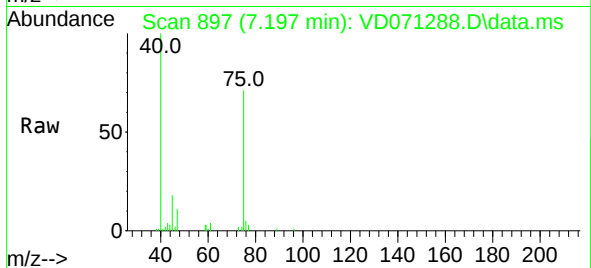
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



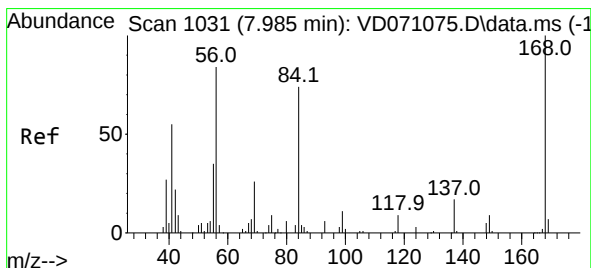
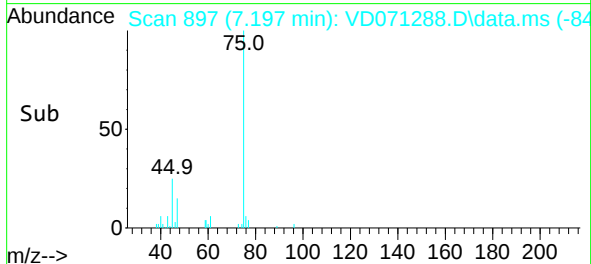
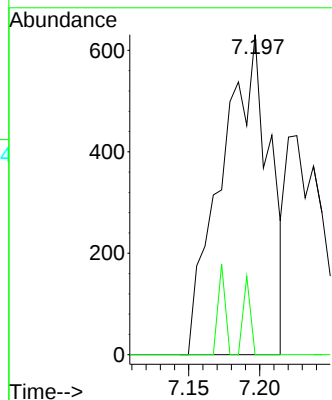


#25
2-Butanone
Concen: 30.102 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Instrument :
MSVOA_D
ClientSampleId :

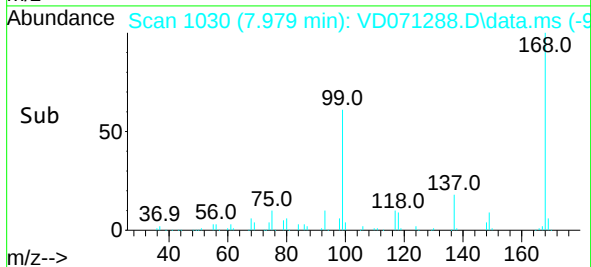
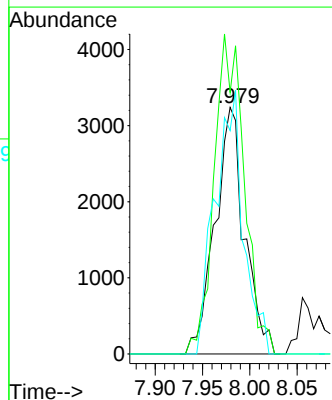
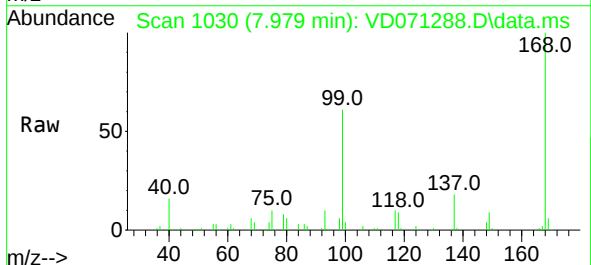


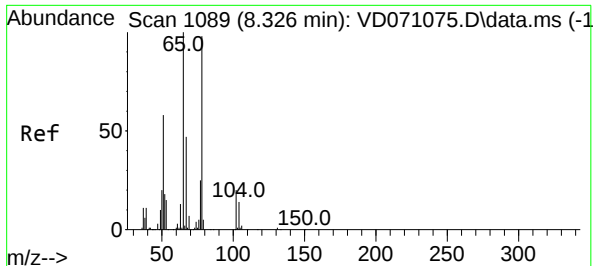
Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.672 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 56 Resp: 7017
Ion Ratio Lower Upper
56 100
69 106.0 25.9 38.9#
84 90.6 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 53.362 ug/l

RT: 8.326 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD071288.D

Acq: 13 Dec 2021 10:59

Instrument :

MSVOA_D

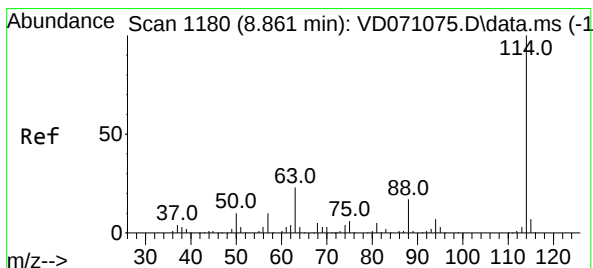
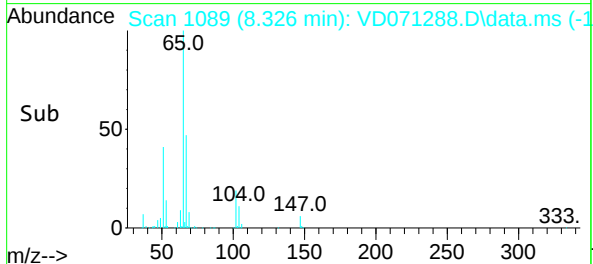
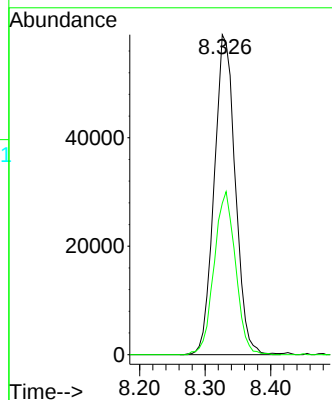
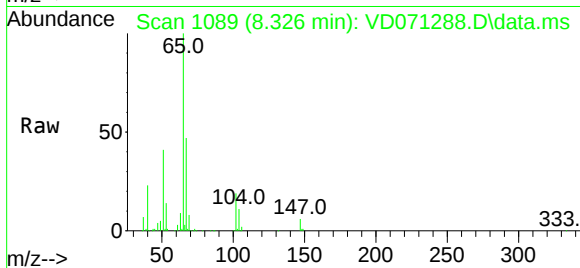
ClientSampleId :

Tgt Ion: 65 Resp: 131626

Ion Ratio Lower Upper

65 100

67 51.8 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: VD071288.D

Acq: 13 Dec 2021 10:59

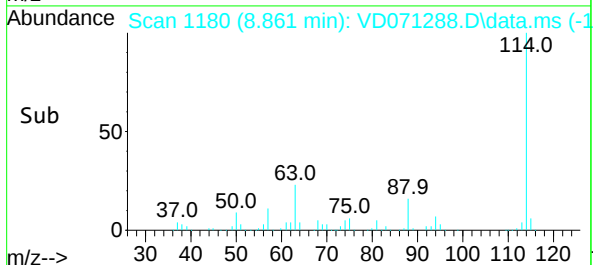
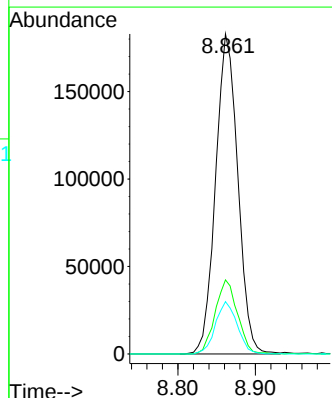
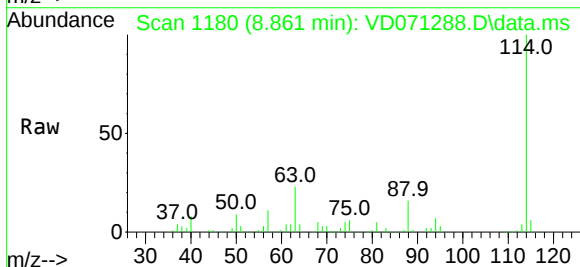
Tgt Ion: 114 Resp: 364321

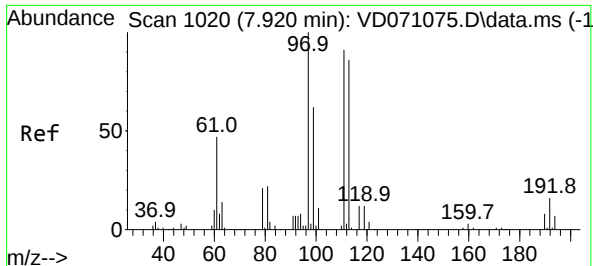
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.027 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

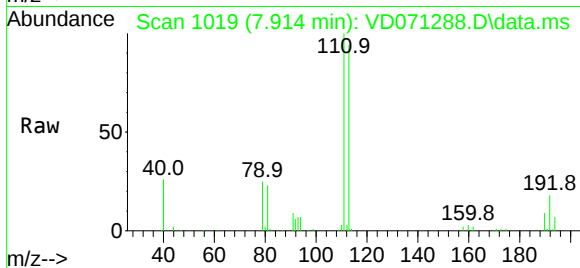
Lab File: VD071288.D

Acq: 13 Dec 2021 10:59

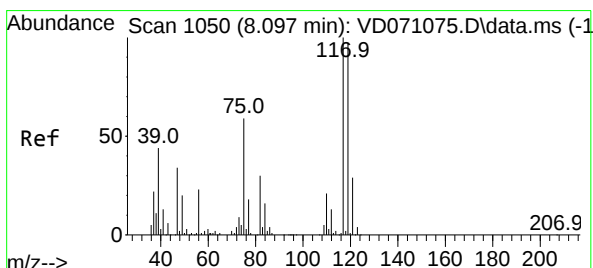
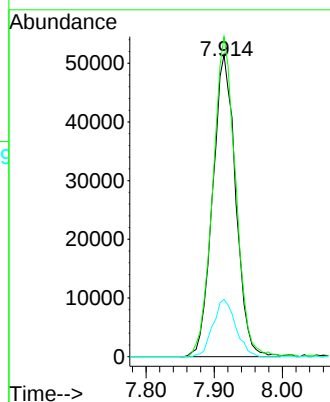
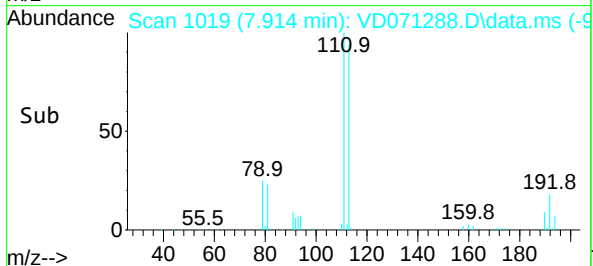
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	120700
Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.0	123.0
192	18.7	15.2	22.8



#38

Carbon Tetrachloride

Concen: 6.422 ug/l

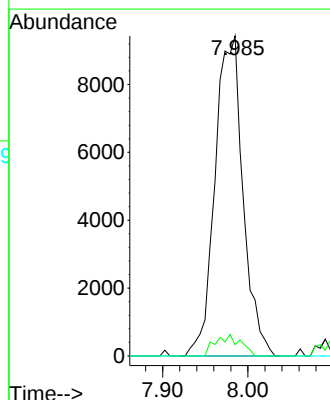
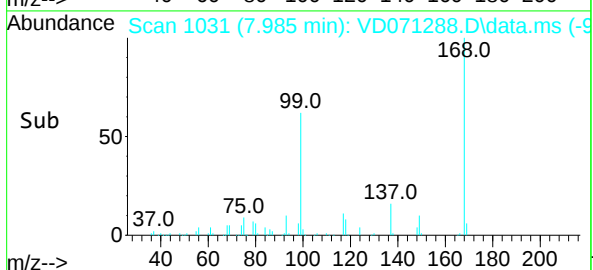
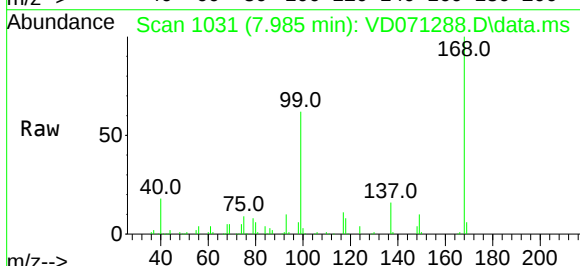
RT: 7.985 min Scan# 1031

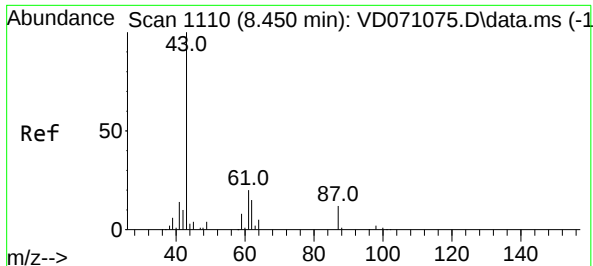
Delta R.T. -0.112 min

Lab File: VD071288.D

Acq: 13 Dec 2021 10:59

Tgt Ion:	117	Resp:	21556
Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.8	113.6#
121	0.0	23.6	35.4#

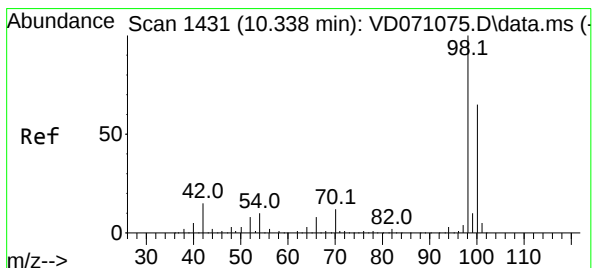
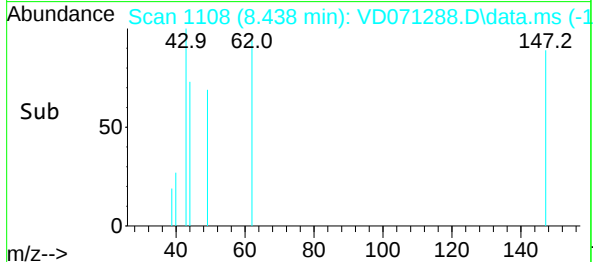
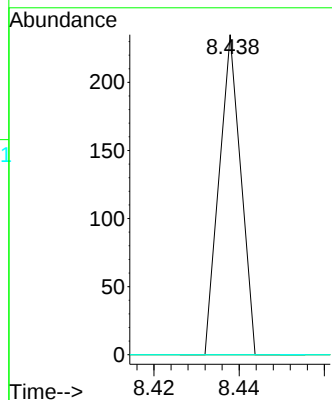
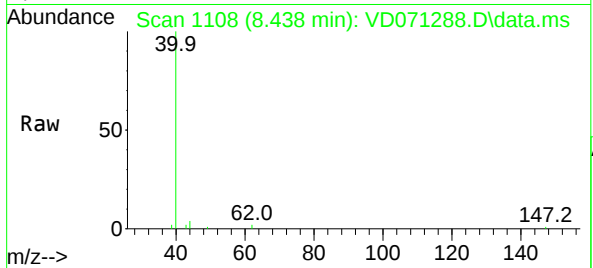




#43
Isopropyl Acetate
Concen: 5.246 ug/l
RT: 8.438 min Scan# 1110
Delta R.T. -0.012 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

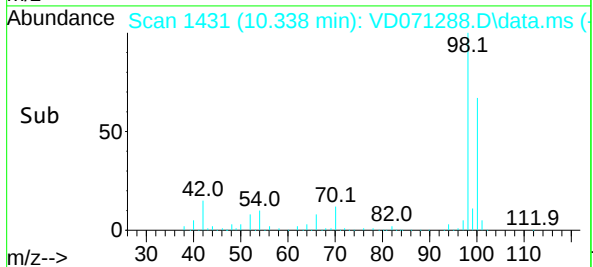
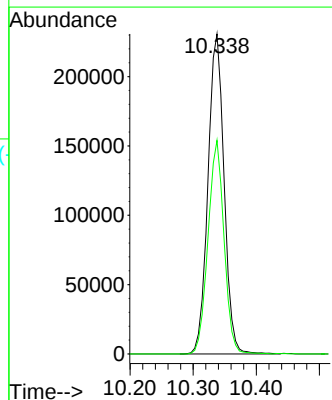
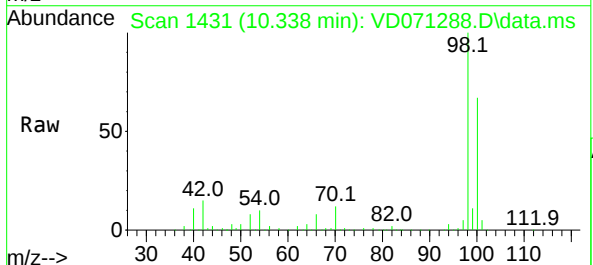
Instrument :
MSVOA_D
ClientSampleId :

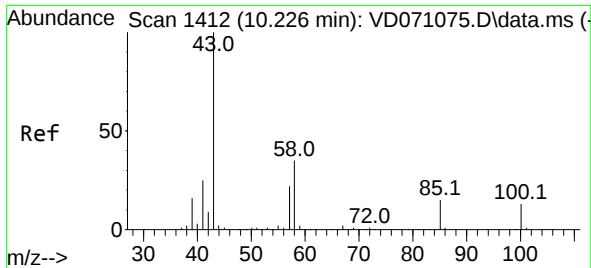
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 46.248 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 98 Resp: 408307
Ion Ratio Lower Upper
98 100
100 66.3 51.8 77.6

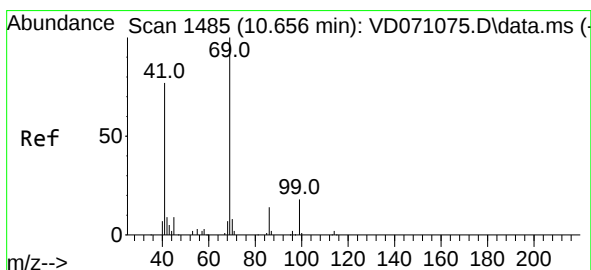
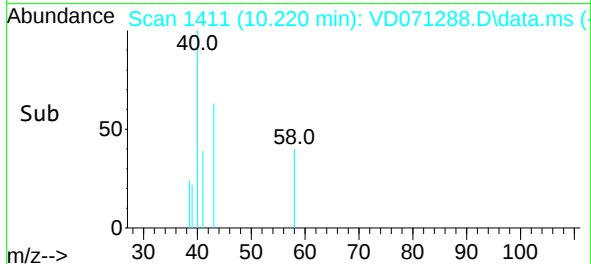
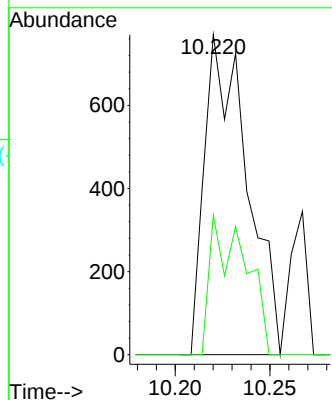
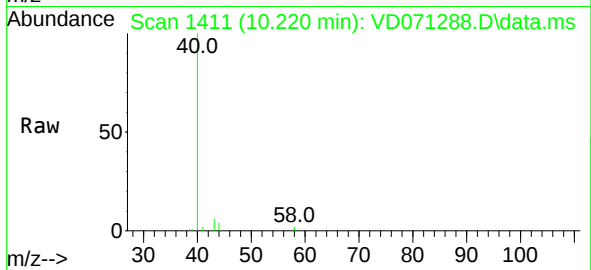




#51
4-Methyl-2-Pentanone
Concen: 31.288 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

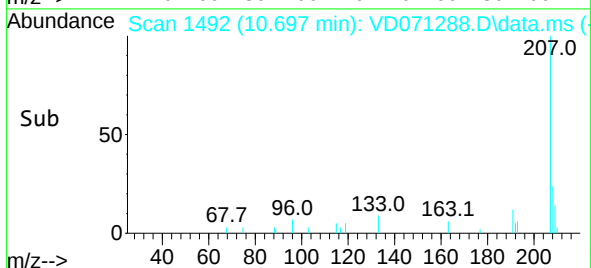
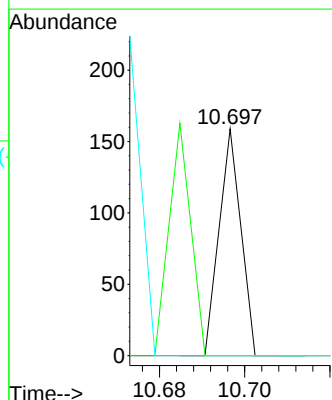
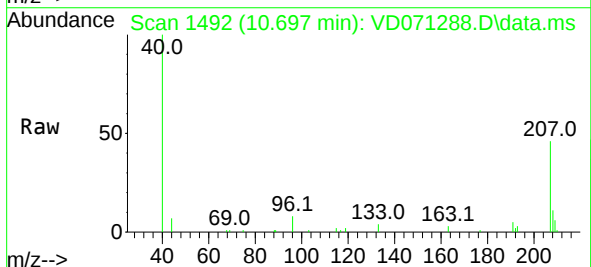
Instrument :
MSVOA_D
ClientSampleId :

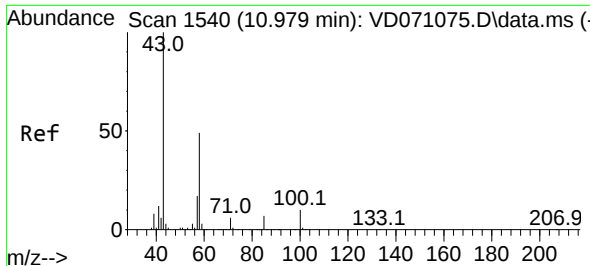
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
58 36.2 33.1 49.7



#56
Ethyl methacrylate
Concen: 5.991 ug/l
RT: 10.697 min Scan# 1492
Delta R.T. 0.041 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 103.6 50.2 75.2#
39 0.0 19.8 29.8#

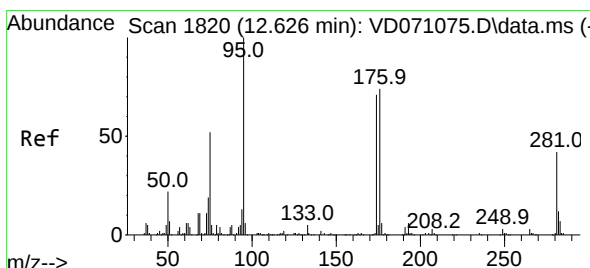
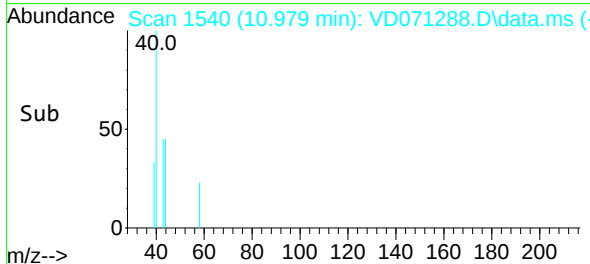
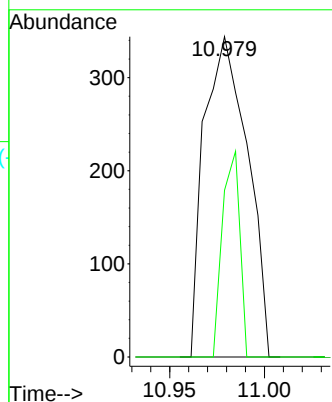
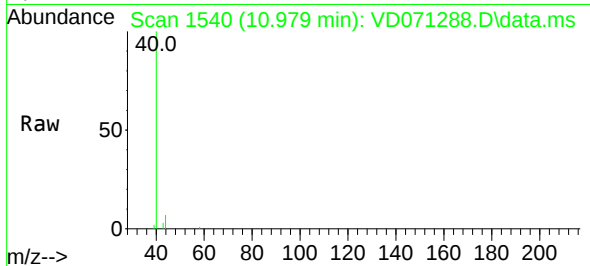




#59
2-Hexanone
Concen: 34.951 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

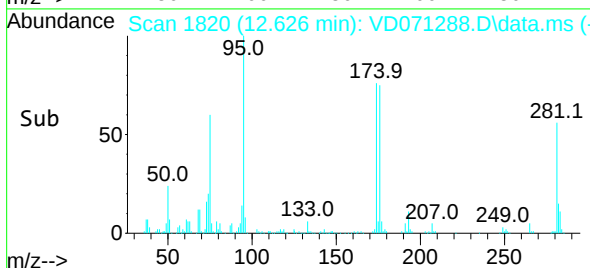
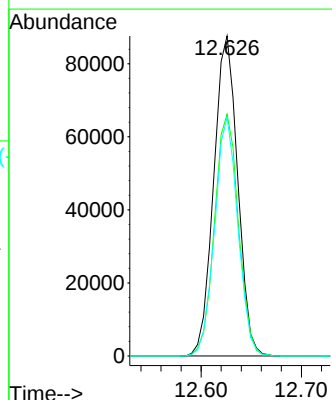
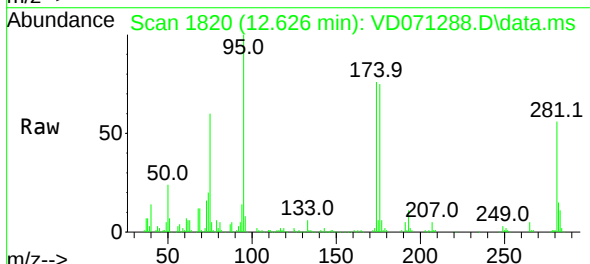
Instrument :
MSVOA_D
ClientSampleId :

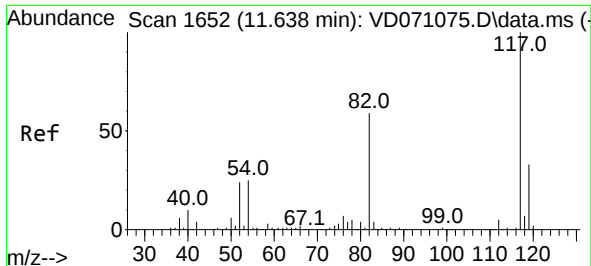
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 25.8 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 47.434 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 95 Resp: 145163
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 72.4 0.0 154.0

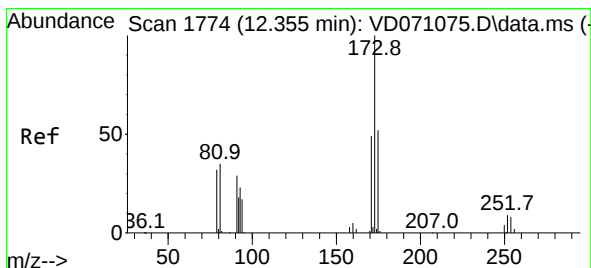
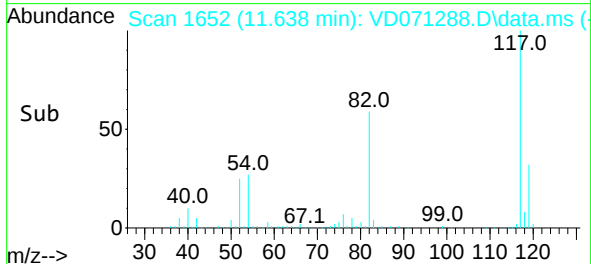
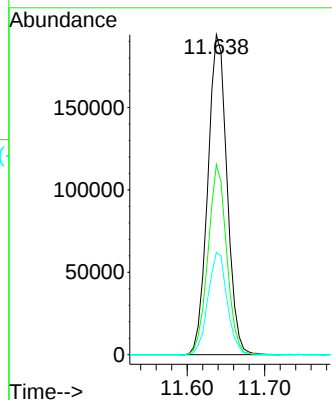
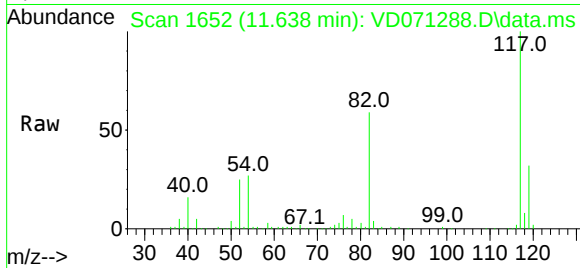




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

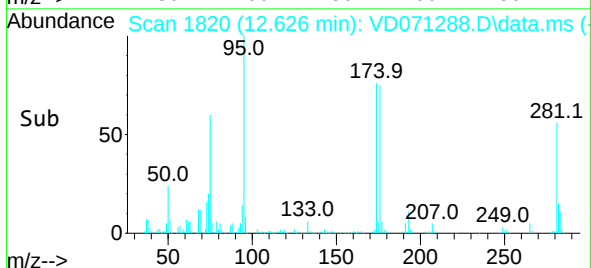
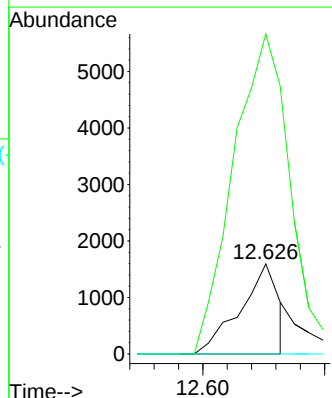
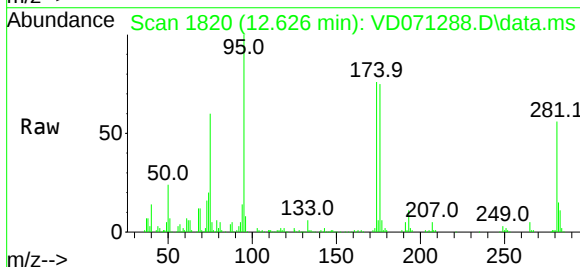
Instrument :
MSVOA_D
ClientSampleId :

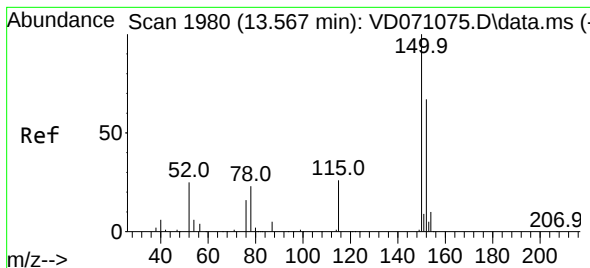
Tgt Ion:117 Resp: 333841
Ion Ratio Lower Upper
117 100
82 59.5 44.7 67.1
119 31.9 26.2 39.4



#71
Bromoform
Concen: 1.498 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion:173 Resp: 1755
Ion Ratio Lower Upper
173 100
175 444.7 24.1 72.2#
254 0.0 0.1 0.1#

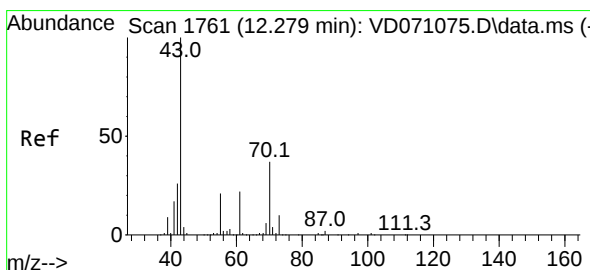
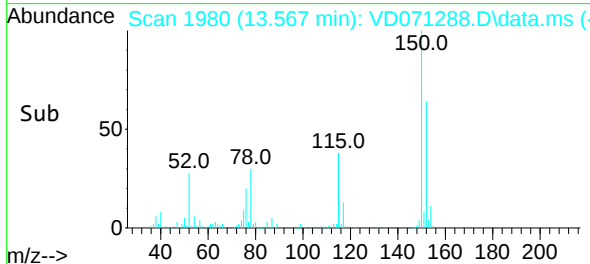
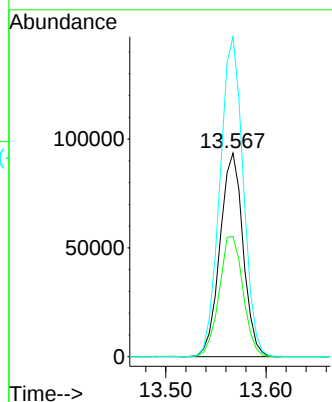
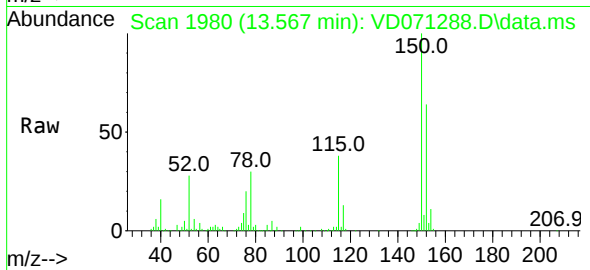




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

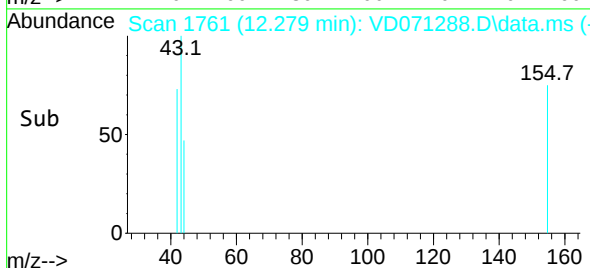
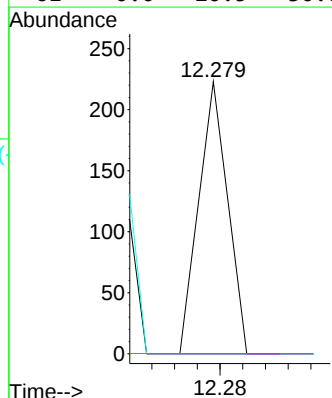
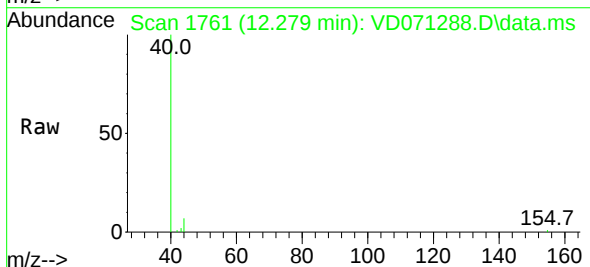
Instrument :
MSVOA_D
ClientSampleId :

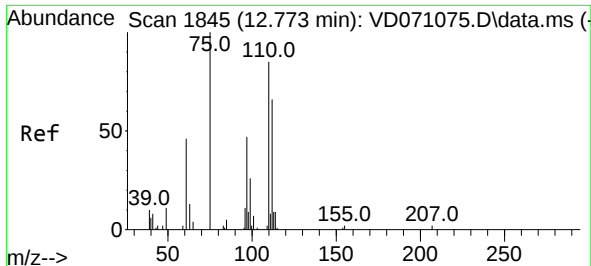
Tgt Ion:152 Resp: 149375
Ion Ratio Lower Upper
152 100
115 61.0 29.8 89.3
150 158.4 0.0 349.2



#74
N-ethyl acetate
Concen: 5.725 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 43 Resp: 79
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#

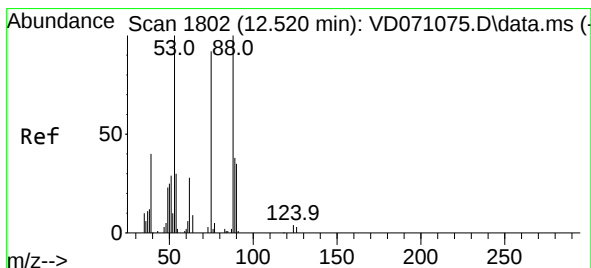
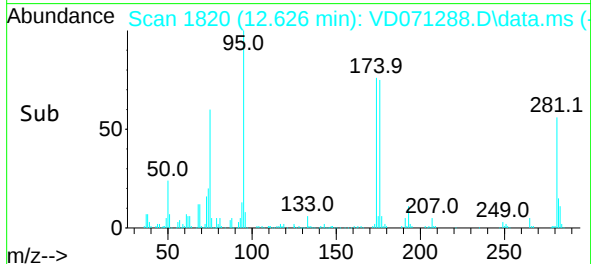
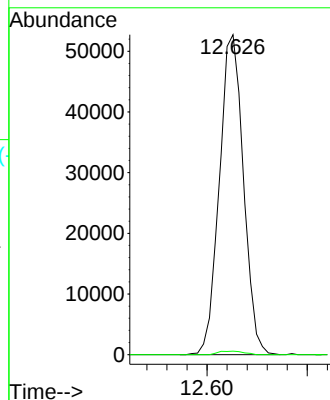
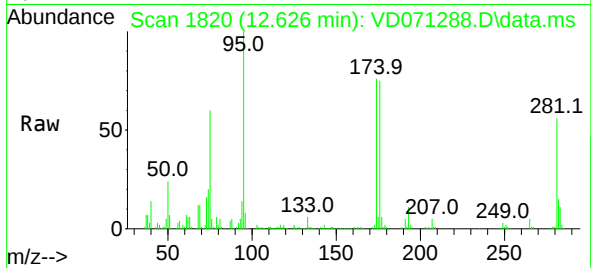




#76
1,2,3-Trichloropropane
Concen: 61.640 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 87725
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.298 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071288.D
Acq: 13 Dec 2021 10:59

Tgt Ion: 75 Resp: 87725
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 1.1 34.5 51.7#

