

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120321\
 Data File : VD071137.D
 Acq On : 03 Dec 2021 17:02
 Operator : VA/SY
 Sample : M4939-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 04 03:51:14 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)

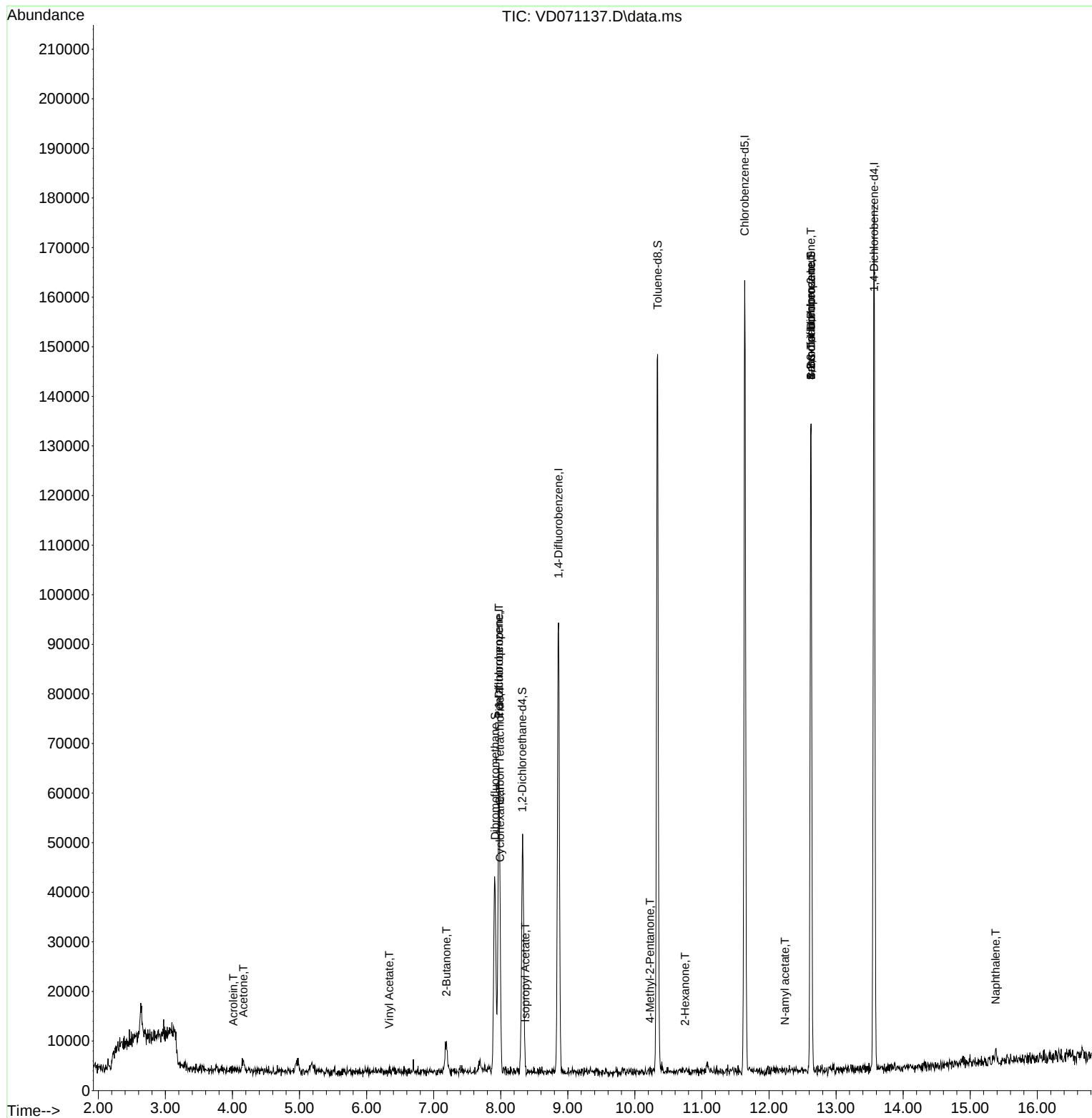
Internal Standards						
1) Pentafluorobenzene	7.973	168	40675	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	74012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	82749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	45187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	36704	76.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.800%	
35) Dibromofluoromethane	7.914	113	27062	57.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.840%	
50) Toluene-d8	10.338	98	93815	52.307	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.626	95	43745	70.363	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 140.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.232	59	54	Below Cal	#	71
13) Acrolein	4.015	56	60	1.840	ug/l #	13
16) Acetone	4.162	43	3923	57.938	ug/l	95
20) Methylene Chloride	4.968	84	1969	Below Cal	#	57
23) Vinyl Acetate	6.338	43	127	27.364	ug/l #	72
25) 2-Butanone	7.191	43	355	30.509	ug/l #	45
31) Cyclohexane	7.991	56	1194	1.471	ug/l #	54
36) 1,1-Dichloropropene	7.973	75	3984	5.759	ug/l #	45
38) Carbon Tetrachloride	7.985	117	4354	6.385	ug/l #	19
41) Methacrylonitrile	7.556	41	205	Below Cal	#	37
43) Isopropyl Acetate	8.367	43	83	5.336	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	169	31.092	ug/l #	34
59) 2-Hexanone	10.750	43	65	34.795	ug/l	65
71) Bromoform	12.626	173	481	1.656	ug/l #	1
74) N-amyl acetate	12.238	43	89	5.789	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	22515	52.297	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	22515	113.968	ug/l #	18
95) Naphthalene	15.379	128	2103	1.594	ug/l #	85

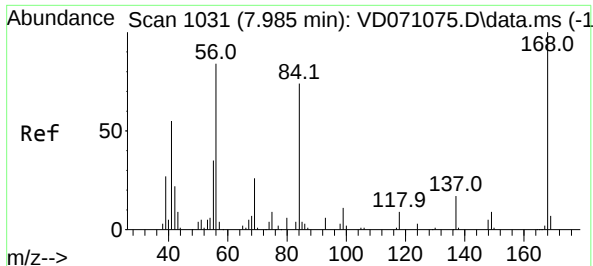
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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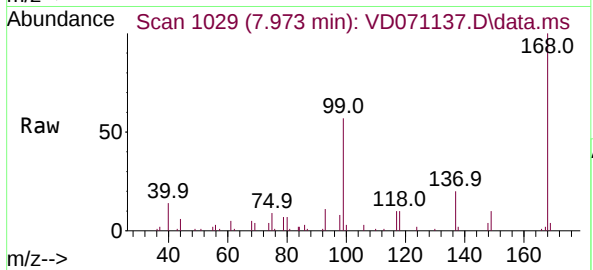
Quant Time: Dec 04 03:51:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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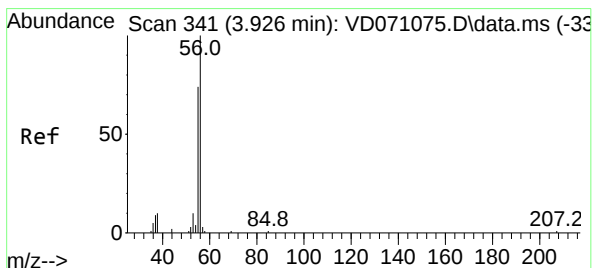
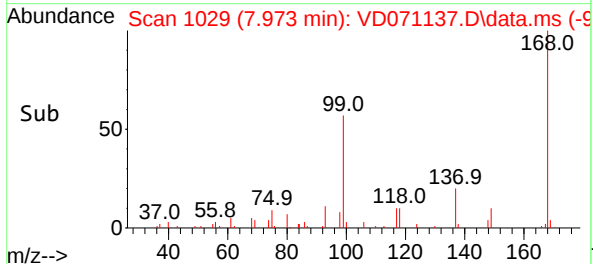
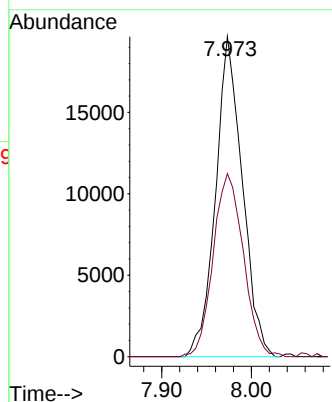


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

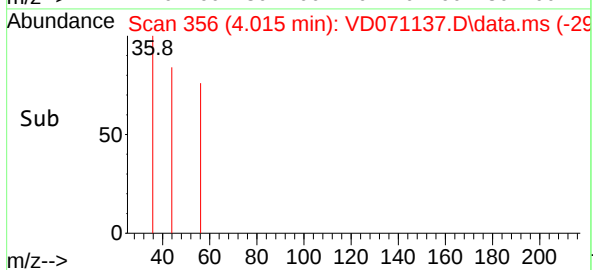
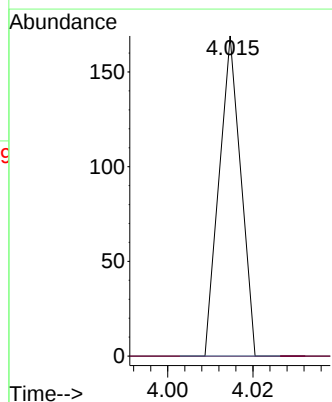
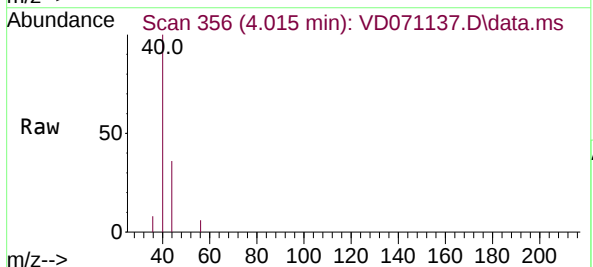


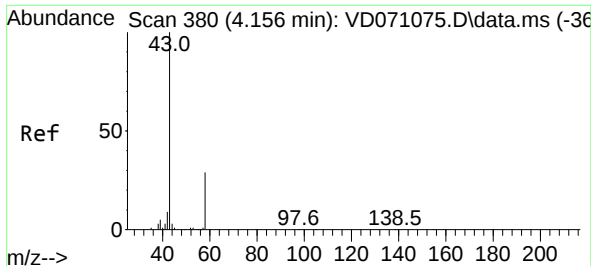
Tgt Ion:168 Resp: 40675
Ion Ratio Lower Upper
168 100
99 57.2 46.6 69.8



#13
Acrolein
Concen: 1.840 ug/l
RT: 4.015 min Scan# 356
Delta R.T. 0.089 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

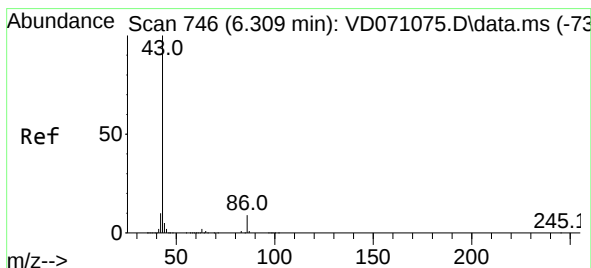
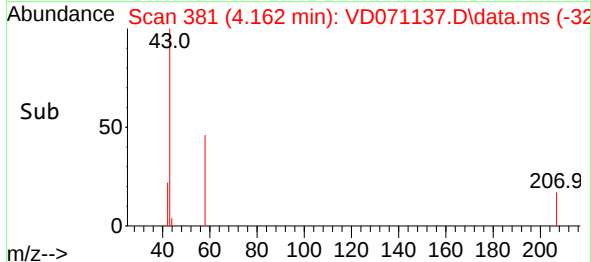
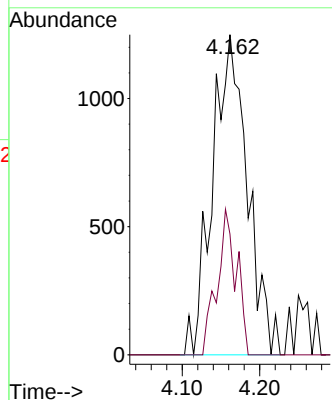
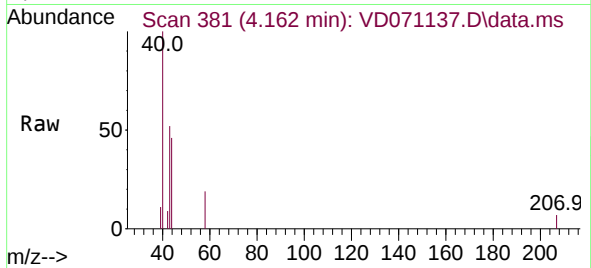




#16
Acetone
Concen: 57.938 ug/l
RT: 4.162 min Scan# 3923
Delta R.T. 0.006 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

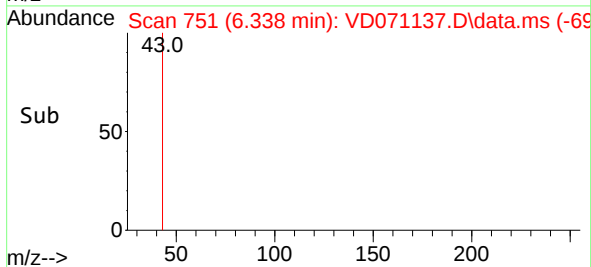
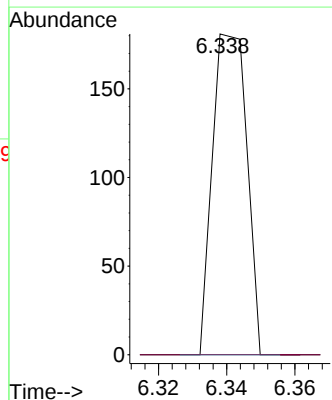
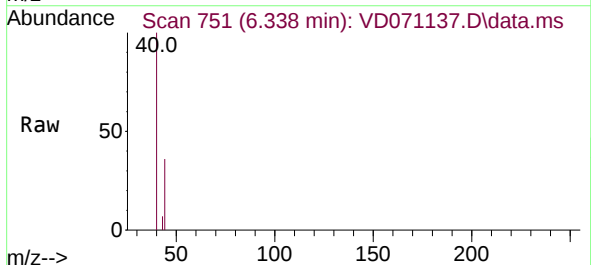
Instrument :
MSVOA_D
ClientSampleId :

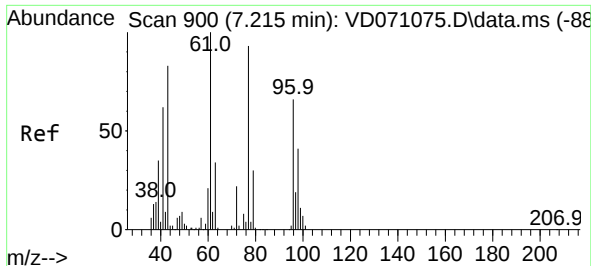
Tgt Ion: 43 Resp: 3923
Ion Ratio Lower Upper
43 100
58 37.7 27.8 41.8



#23
Vinyl Acetate
Concen: 27.364 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.029 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

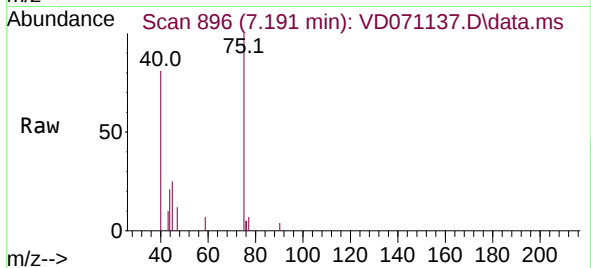
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



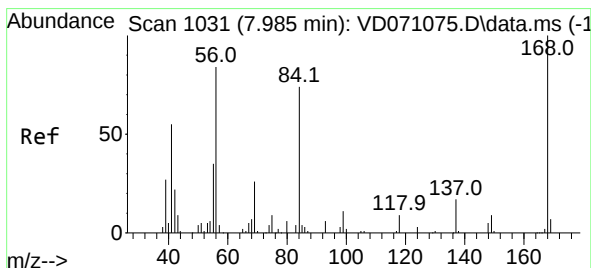
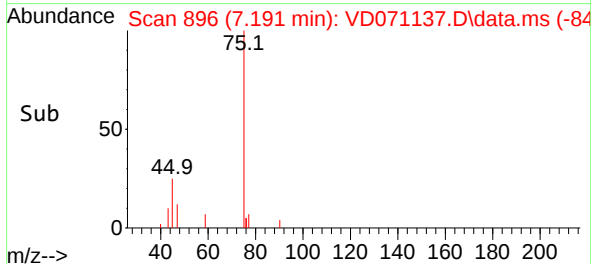
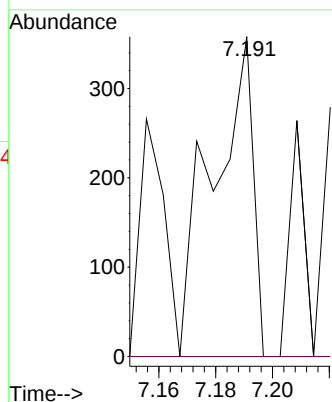


#25
2-Butanone
Concen: 30.509 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

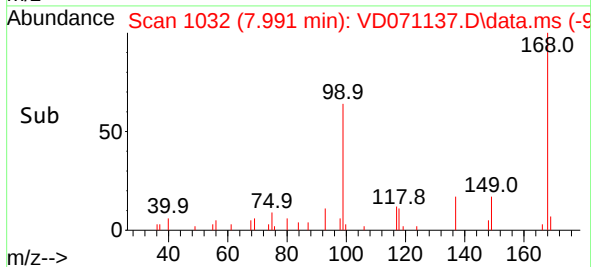
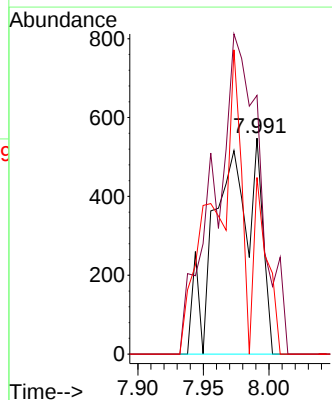
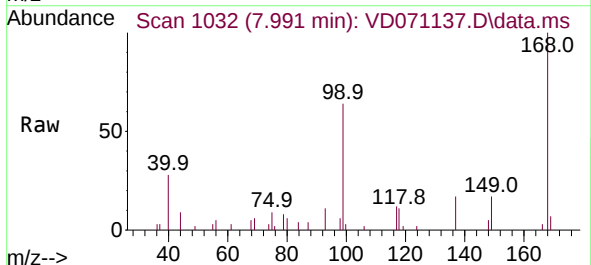


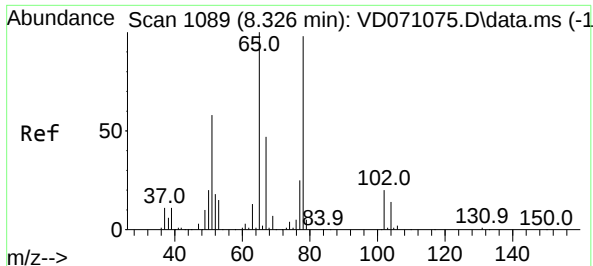
Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Tgt Ion: 56 Resp: 1194
Ion Ratio Lower Upper
56 100
69 119.7 25.9 38.9#
84 81.8 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 76.903 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071137.D

Acq: 03 Dec 2021 17:02

Instrument :

MSVOA_D

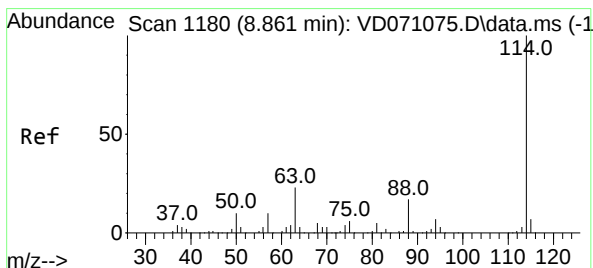
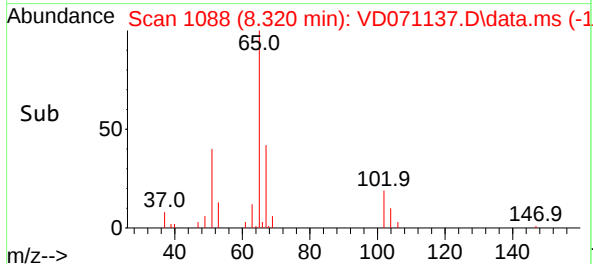
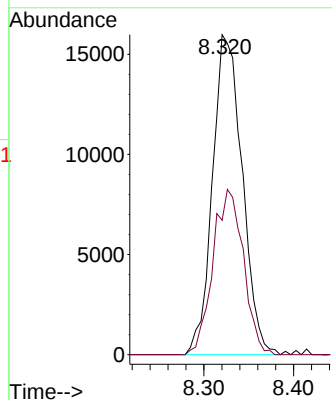
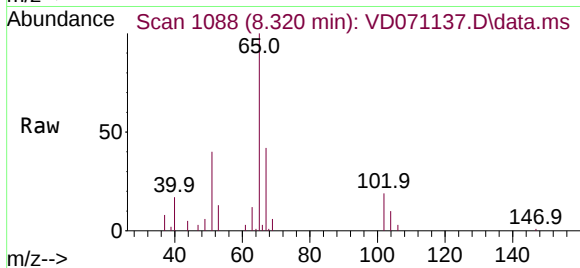
ClientSampleId :

Tgt Ion: 65 Resp: 36704

Ion Ratio Lower Upper

65 100

67 53.0 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: VD071137.D

Acq: 03 Dec 2021 17:02

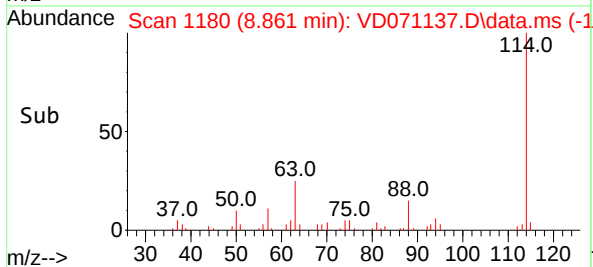
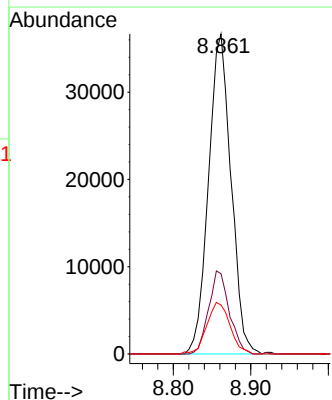
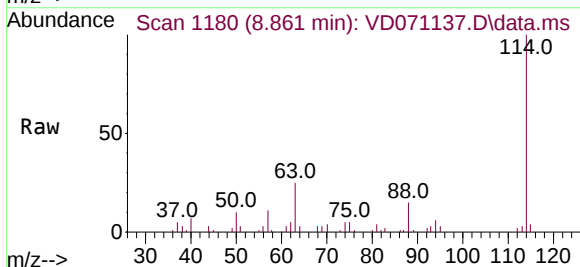
Tgt Ion: 114 Resp: 74012

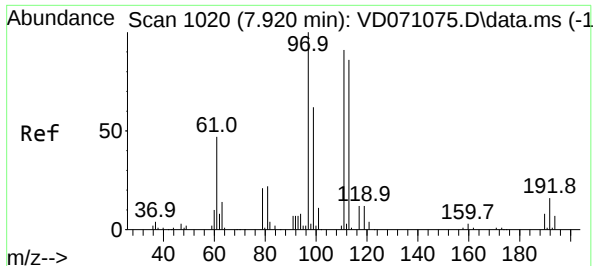
Ion Ratio Lower Upper

114 100

63 25.1 0.0 41.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.420 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071137.D

Acq: 03 Dec 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :

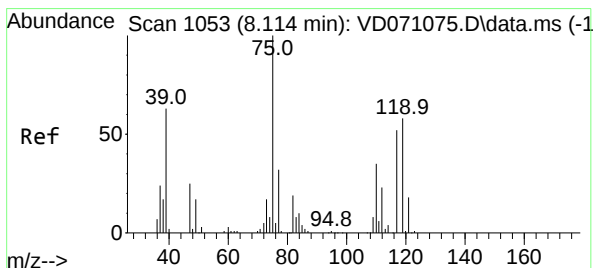
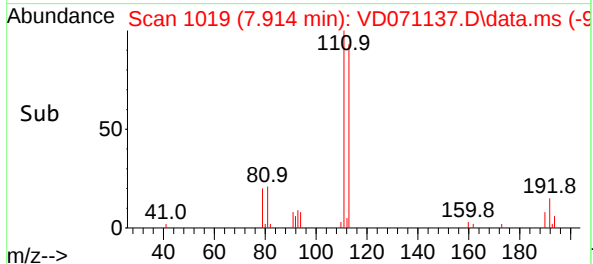
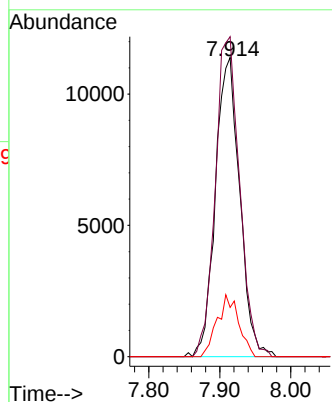
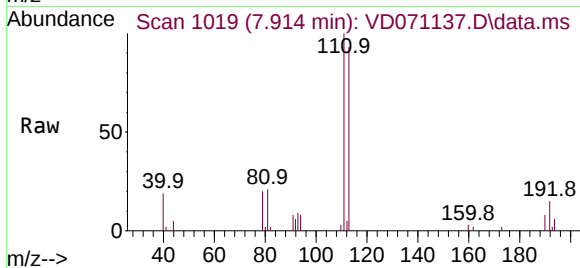
Tgt Ion:113 Resp: 27062

Ion Ratio Lower Upper

113 100

111 106.8 82.0 123.0

192 18.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.759 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071137.D

Acq: 03 Dec 2021 17:02

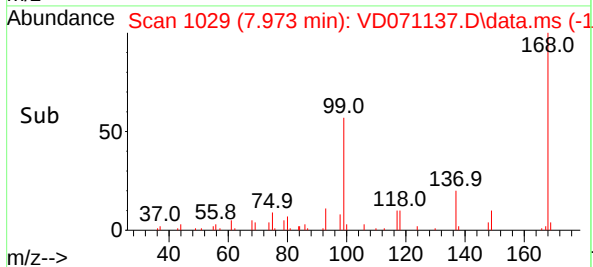
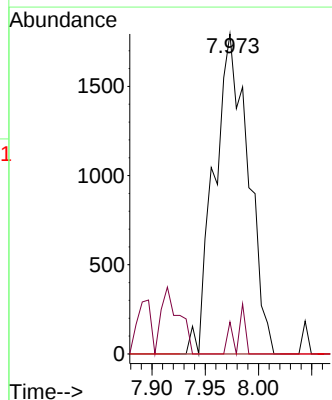
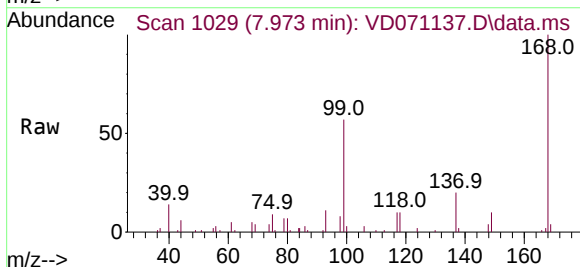
Tgt Ion: 75 Resp: 3984

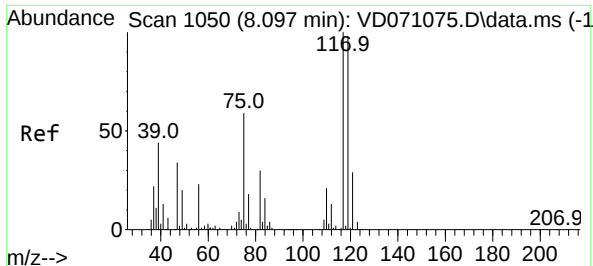
Ion Ratio Lower Upper

75 100

110 4.1 17.8 53.4#

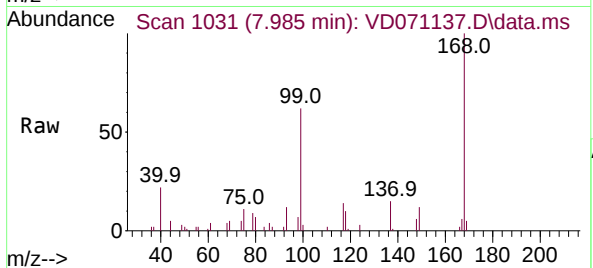
77 0.0 24.8 37.2#



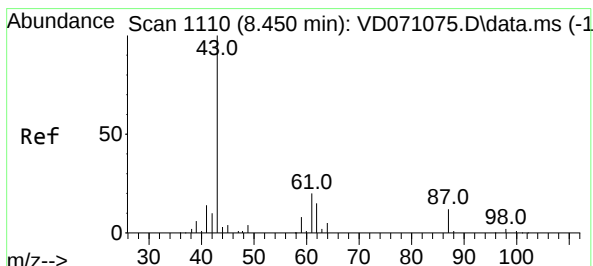
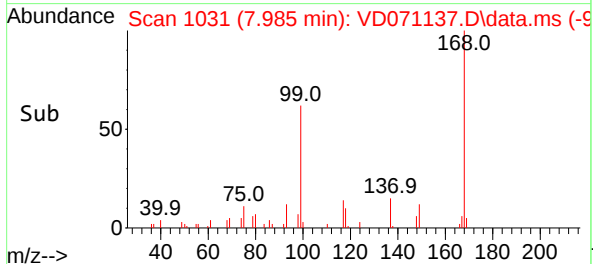
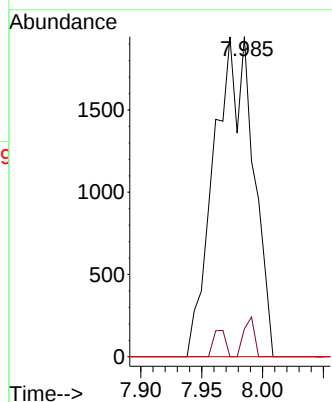


#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.985 min Scan# 1096
Delta R.T. -0.112 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

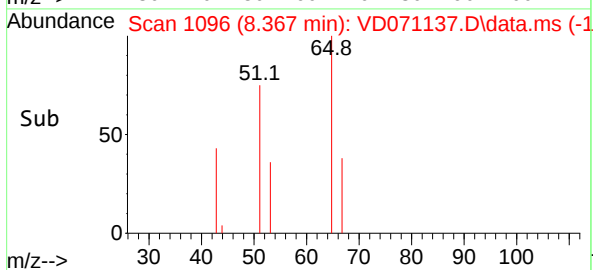
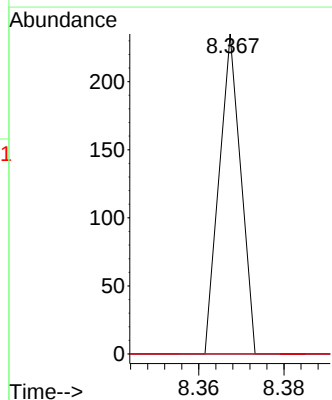
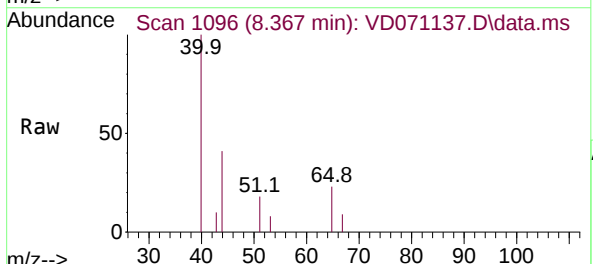


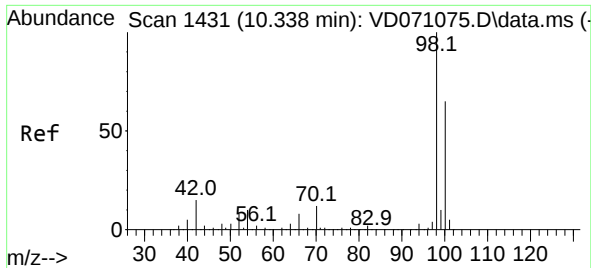
Tgt Ion:117 Resp: 4354
Ion Ratio Lower Upper
117 100
119 8.7 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.336 ug/l
RT: 8.367 min Scan# 1096
Delta R.T. -0.083 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

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#

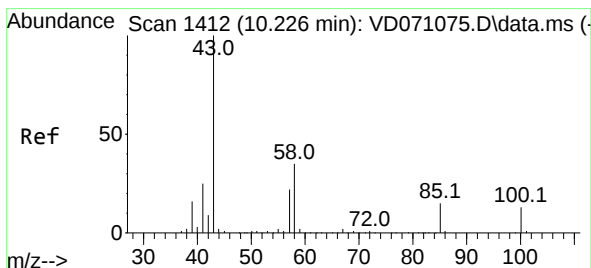
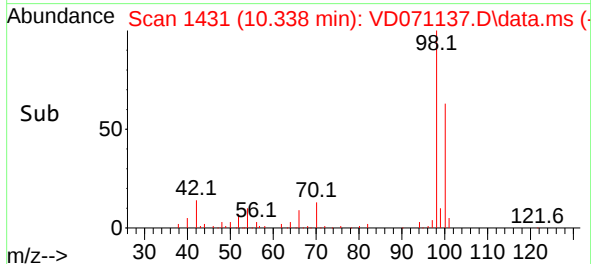
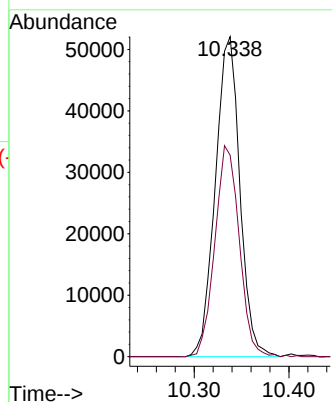
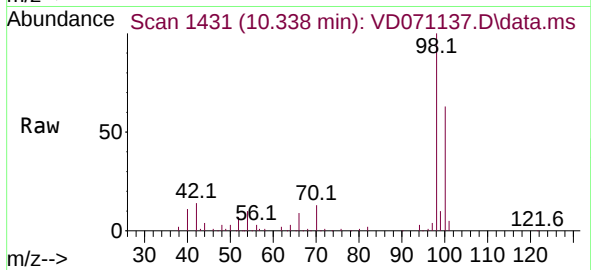




#50
Toluene-d8
Concen: 52.307 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

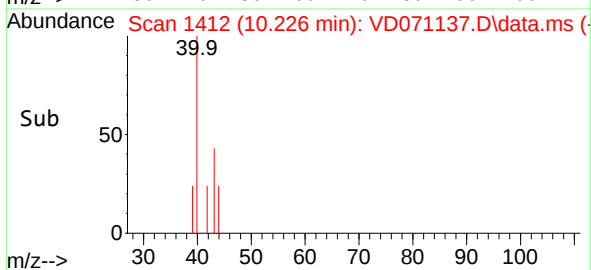
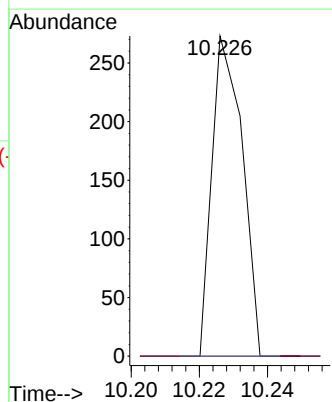
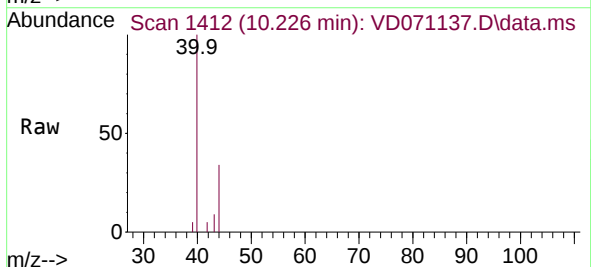
Instrument :
MSVOA_D
ClientSampleId :

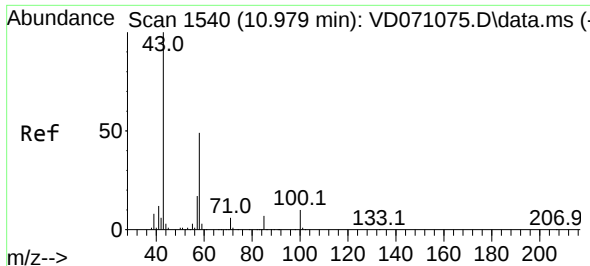
Tgt Ion: 98 Resp: 93815
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.092 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

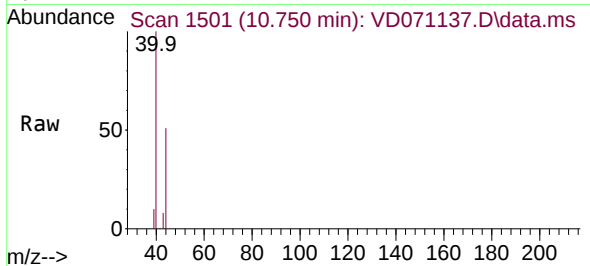
Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



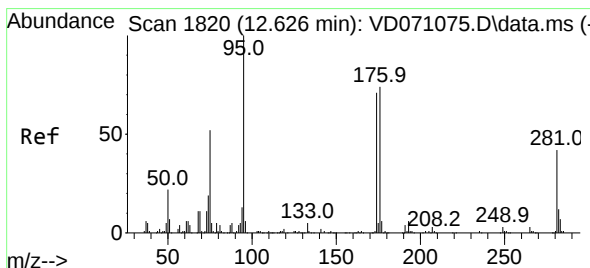
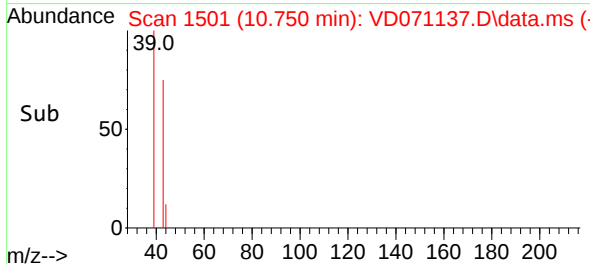
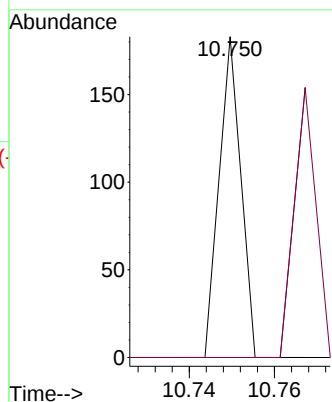


#59
2-Hexanone
Concen: 34.795 ug/l
RT: 10.750 min Scan# 11
Delta R.T. -0.229 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

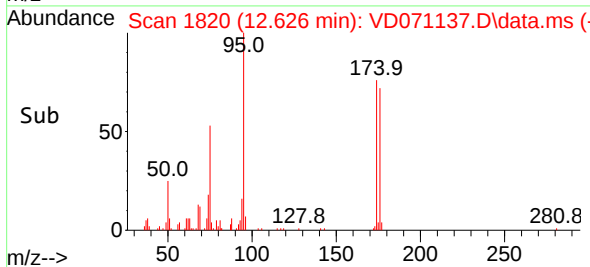
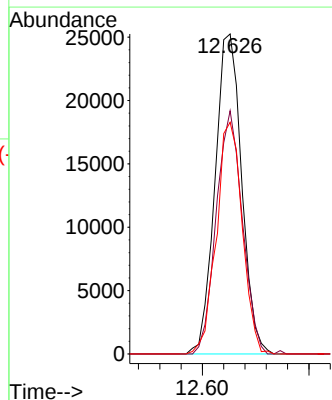
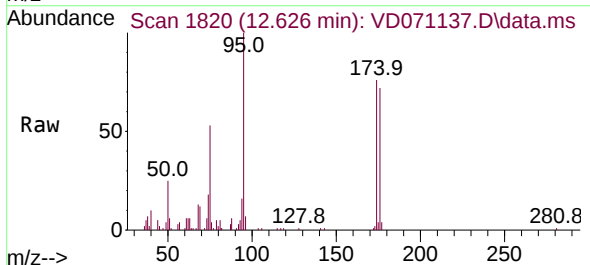


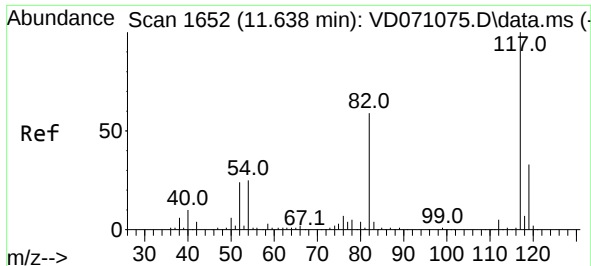
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 83.1 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 70.363 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Tgt Ion: 95 Resp: 43745
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.4
176 70.4 0.0 154.0

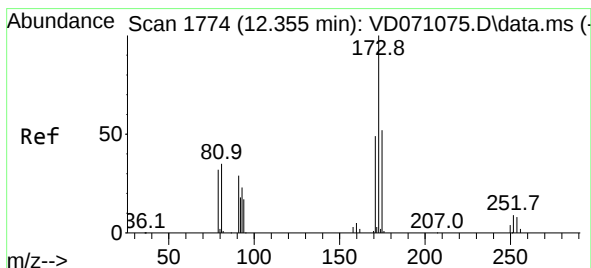
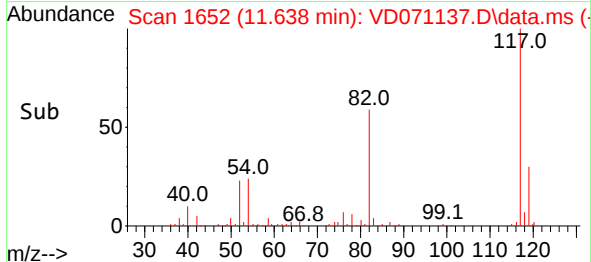
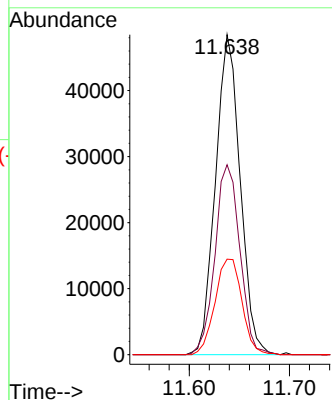
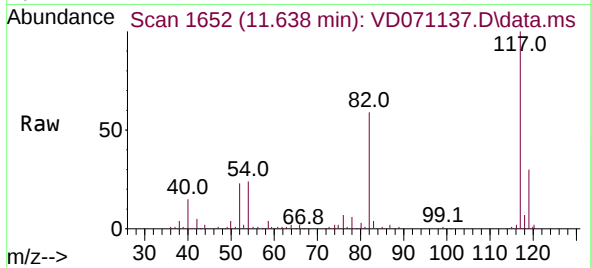




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

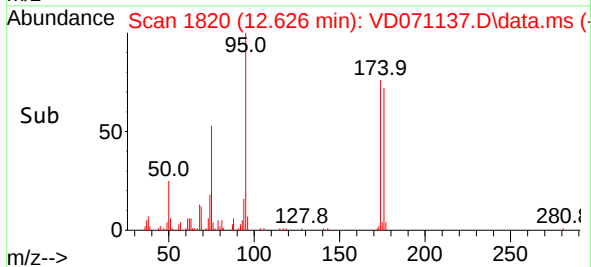
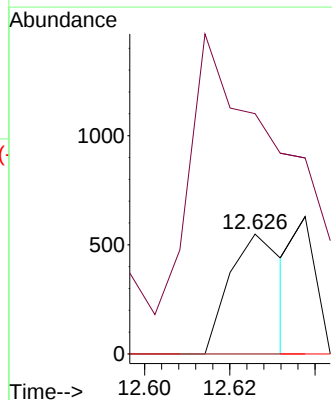
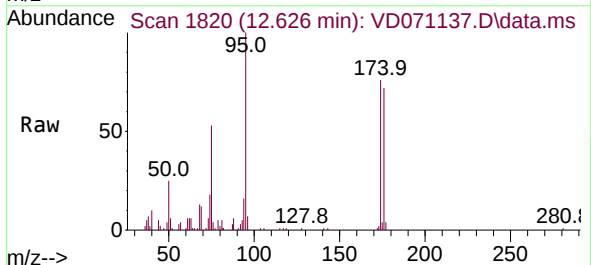
Instrument :
MSVOA_D
ClientSampleId :

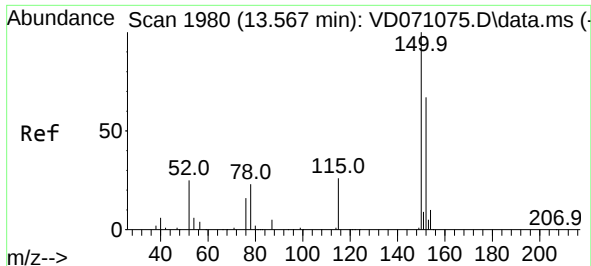
Tgt Ion:117 Resp: 82749
Ion Ratio Lower Upper
117 100
82 59.3 44.7 67.1
119 29.9 26.2 39.4



#71
Bromoform
Concen: 1.656 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

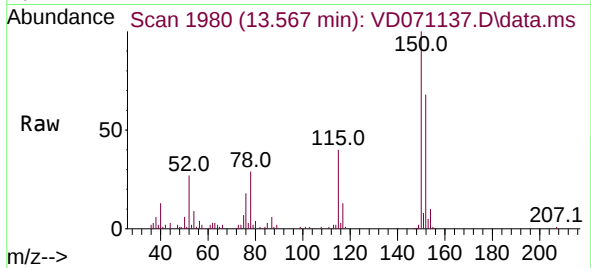
Tgt Ion:173 Resp: 481
Ion Ratio Lower Upper
173 100
175 414.1 24.1 72.2#
254 0.0 0.1 0.1#



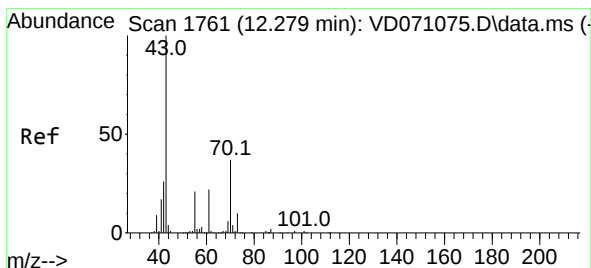
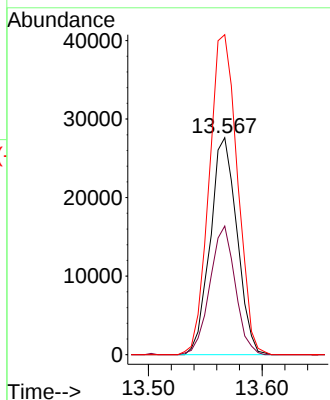
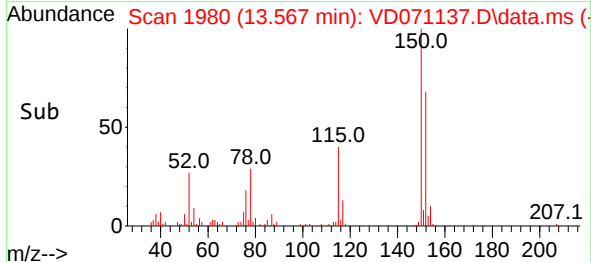


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

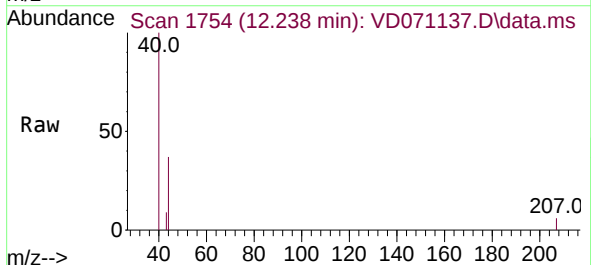
Instrument :
MSVOA_D
ClientSampleId :



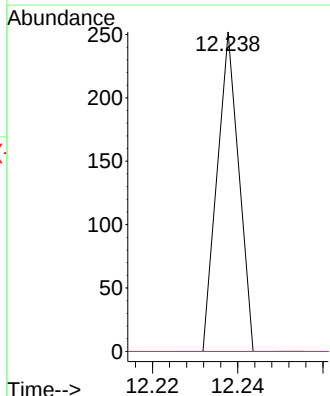
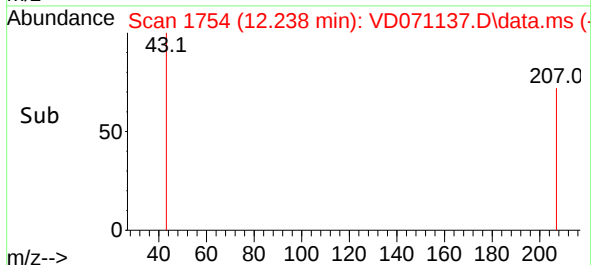
Tgt Ion:152 Resp: 45187
Ion Ratio Lower Upper
152 100
115 56.2 29.8 89.3
150 155.9 0.0 349.2

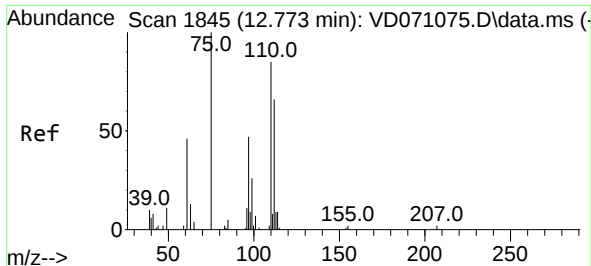


#74
N-ethyl acetate
Concen: 5.789 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02



Tgt Ion: 43 Resp: 89
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#

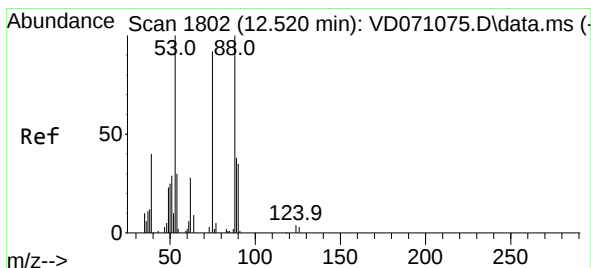
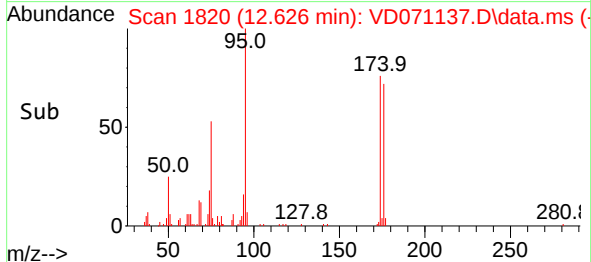
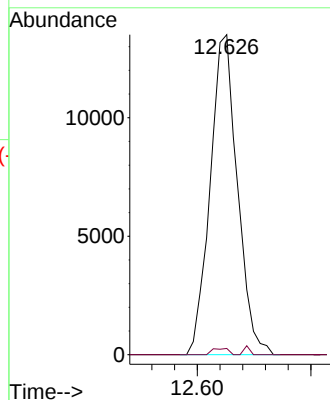
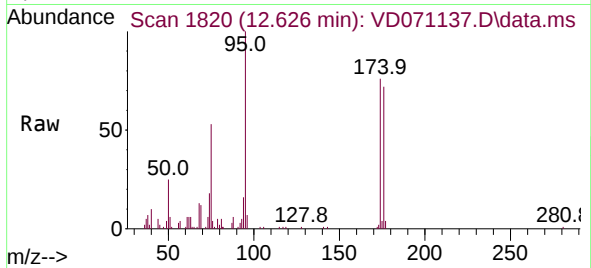




#76
1,2,3-Trichloropropane
Concen: 52.297 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

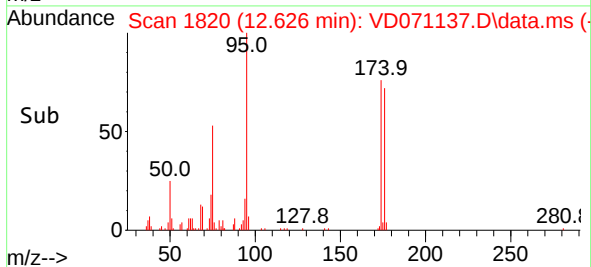
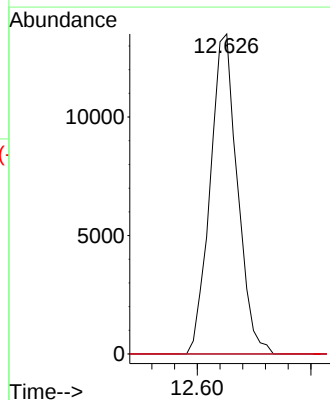
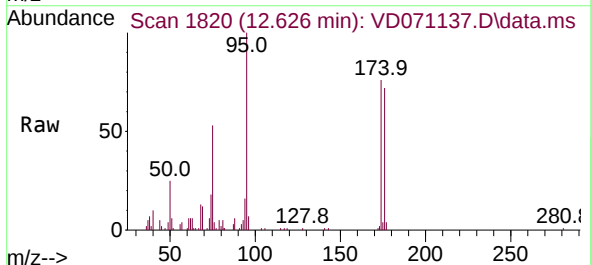
Instrument :
MSVOA_D
ClientSampleId :

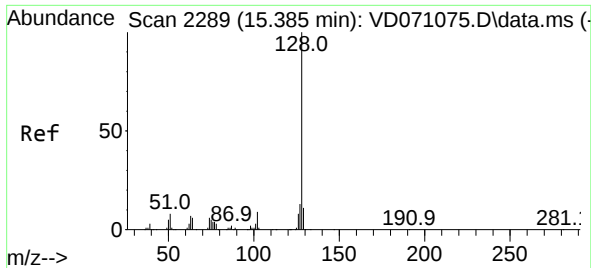
Tgt Ion: 75 Resp: 22515
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.968 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071137.D
Acq: 03 Dec 2021 17:02

Tgt Ion: 75 Resp: 22515
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 1.594 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

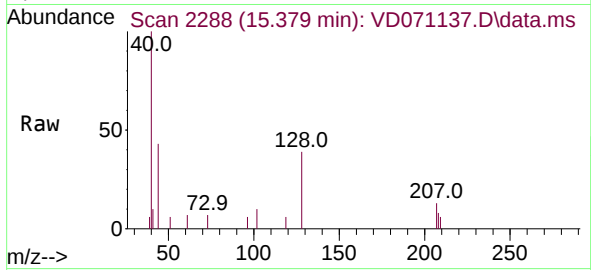
Lab File: VD071137.D

Acq: 03 Dec 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	2103
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.7	16.1
129	0.0	8.7	13.1#

