

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071306.D
 Acq On : 13 Dec 2021 19:44
 Operator : VA/SY
 Sample : M5022-49
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:15:39 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)

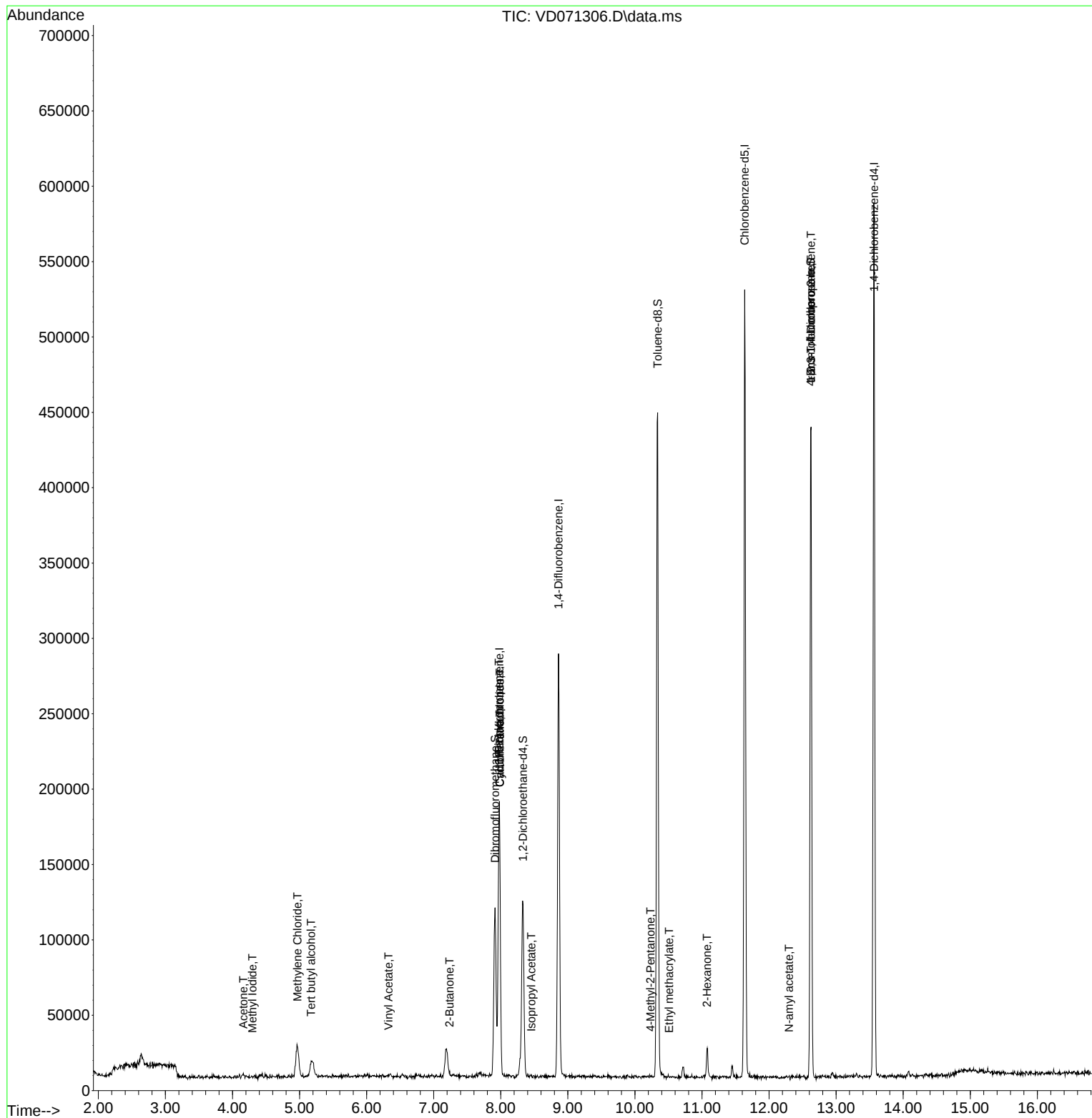
Internal Standards						
1) Pentafluorobenzene	7.979	168	128489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	220990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	271152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	140205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	94176	62.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.920%
35) Dibromofluoromethane	7.914	113	78205	55.573	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.140%
50) Toluene-d8	10.338	98	294132	54.924	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.840%
62) 4-Bromofluorobenzene	12.620	95	135292	72.881	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	145.760%#
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	57	4.595	ug/l #	40
11) Tert butyl alcohol	5.173	59	11441	55.466	ug/l #	71
16) Acetone	4.161	43	4001	39.559	ug/l #	82
20) Methylene Chloride	4.967	84	14830	6.079	ug/l #	82
23) Vinyl Acetate	6.326	43	60	27.240	ug/l #	72
25) 2-Butanone	7.238	43	264	28.865	ug/l #	45
31) Cyclohexane	7.985	56	3598	1.403	ug/l #	31
36) 1,1-Dichloropropene	7.973	75	12282	5.946	ug/l #	48
38) Carbon Tetrachloride	7.985	117	12606	6.192	ug/l #	18
41) Methacrylonitrile	7.508	41	81	Below Cal	#	25
43) Isopropyl Acetate	8.455	43	59	5.250	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	791	31.342	ug/l #	59
56) Ethyl methacrylate	10.508	69	67	6.011	ug/l #	28
59) 2-Hexanone	11.073	43	516	35.160	ug/l #	38
74) N-amyl acetate	12.296	43	57	5.719	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	78548	58.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	78548	127.425	ug/l #	18

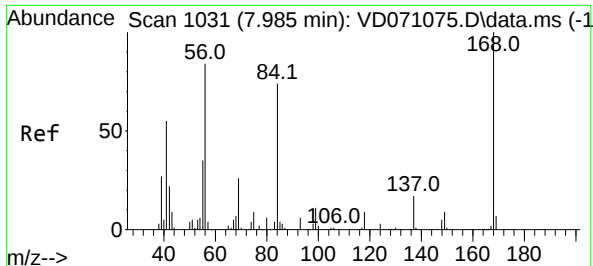
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 08:15:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

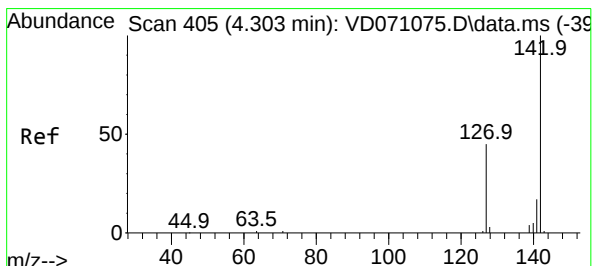
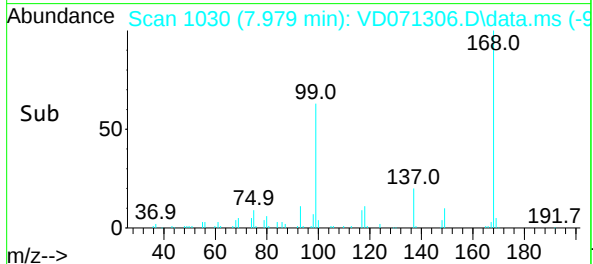
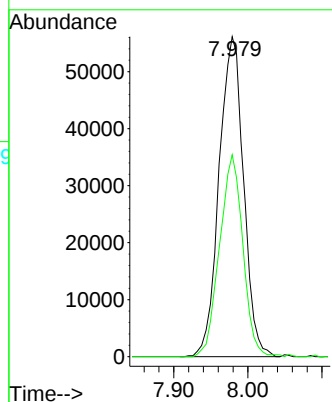
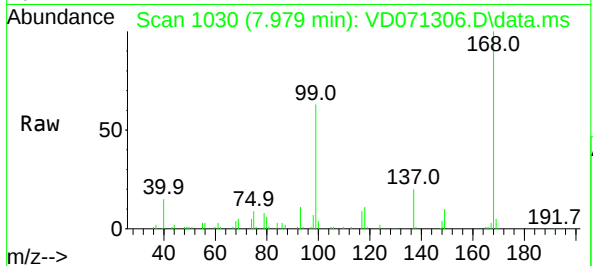




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

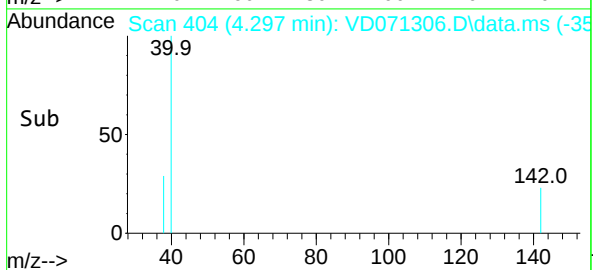
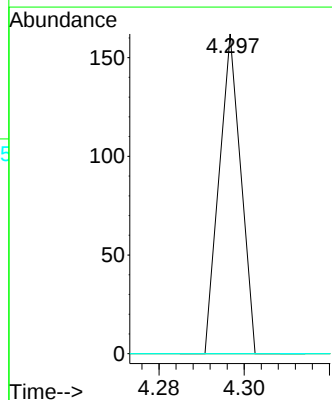
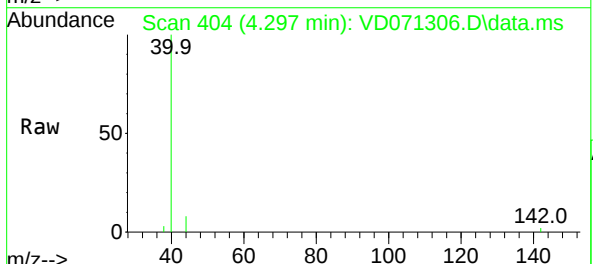
Instrument :
MSVOA_D
ClientSampleId :

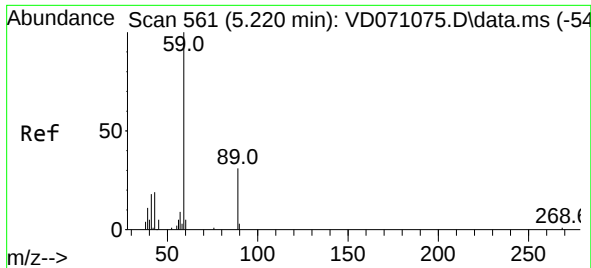
Tgt Ion:168 Resp: 128489
Ion Ratio Lower Upper
168 100
99 63.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.595 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

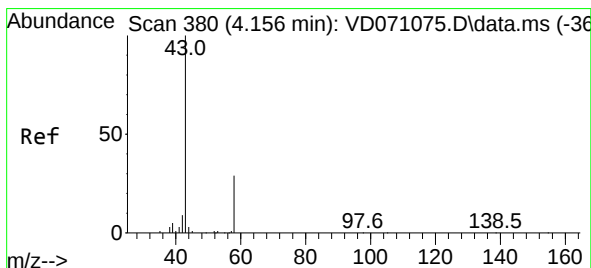
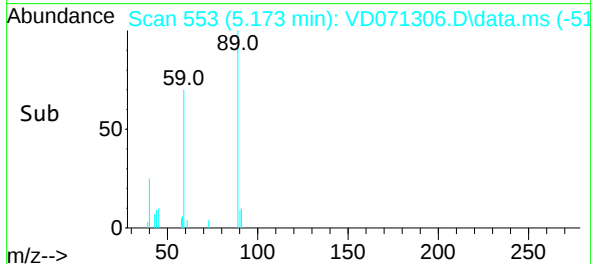
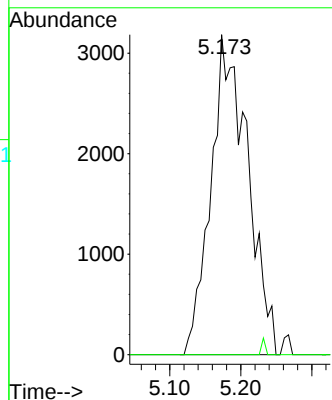
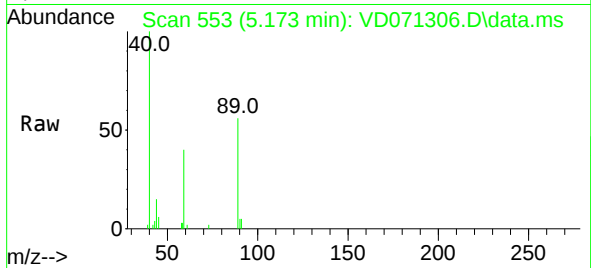




#11
Tert butyl alcohol
Concen: 55.466 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.047 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

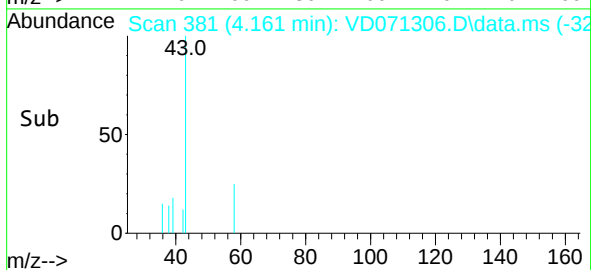
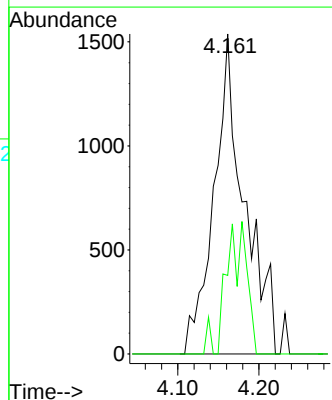
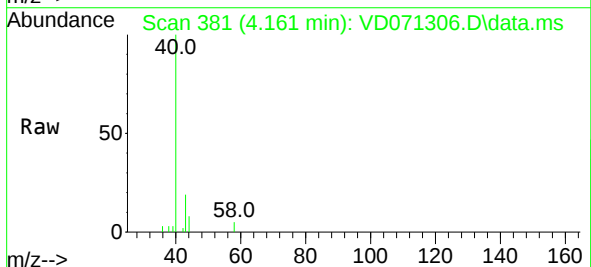
Instrument :
MSVOA_D
ClientSampleId :

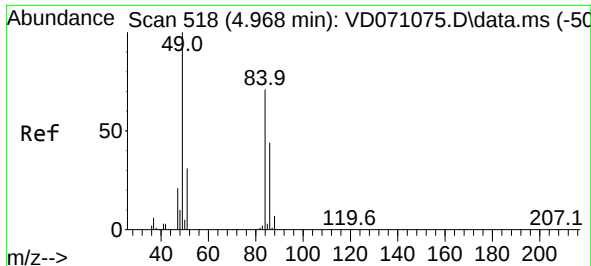
Tgt Ion: 59 Resp: 11441
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 39.559 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

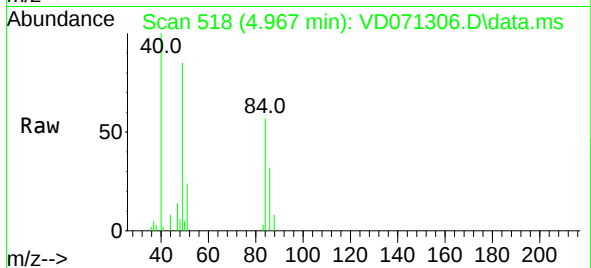
Tgt Ion: 43 Resp: 4001
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#



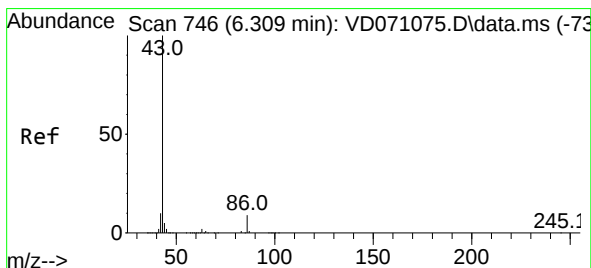
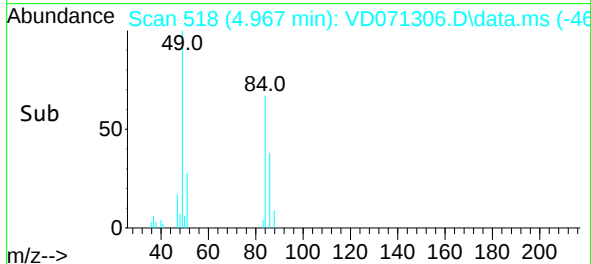
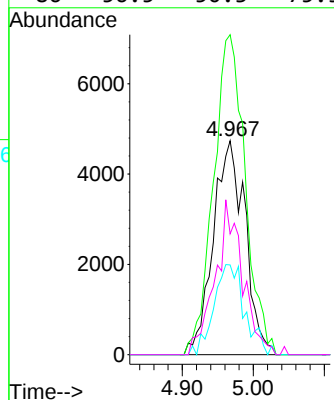


#20
Methylene Chloride
Concen: 6.079 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :

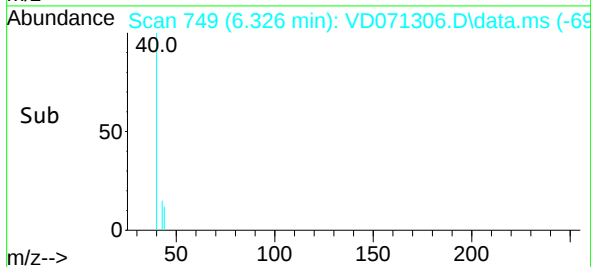
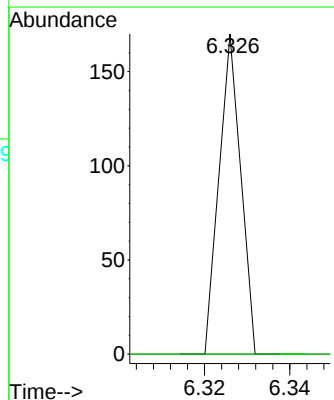
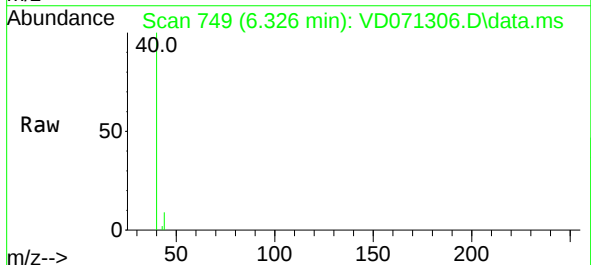


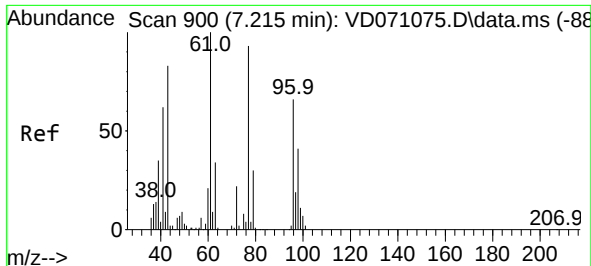
Tgt Ion: 84 Resp: 14830
Ion Ratio Lower Upper
84 100
49 149.6 95.8 143.6#
51 41.9 30.9 46.3
86 56.5 50.3 75.5



#23
Vinyl Acetate
Concen: 27.240 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

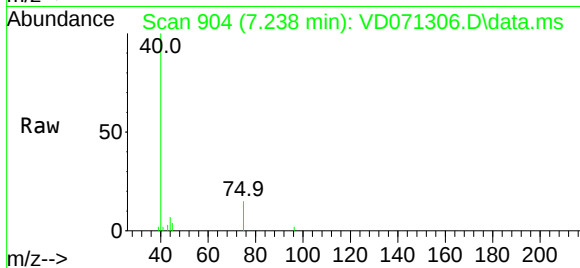
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



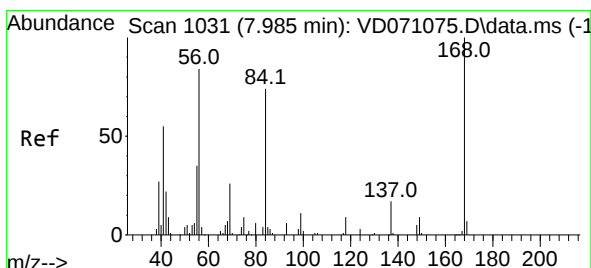
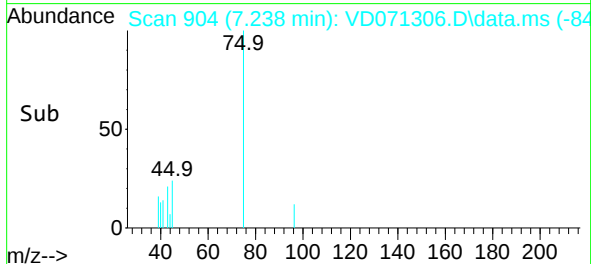
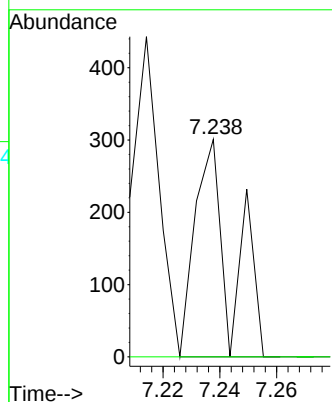


#25
2-Butanone
Concen: 28.865 ug/l
RT: 7.238 min Scan# 904
Delta R.T. 0.023 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :

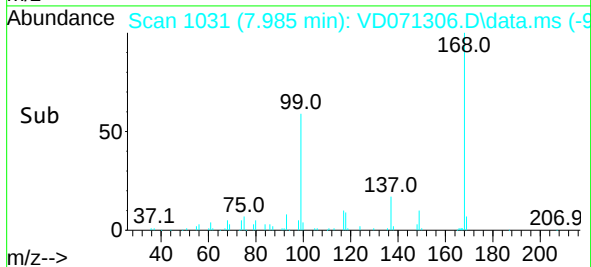
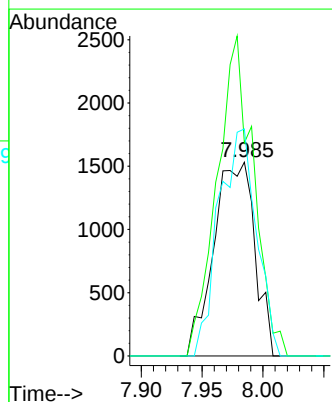
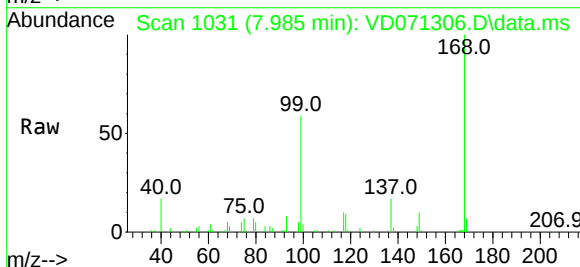


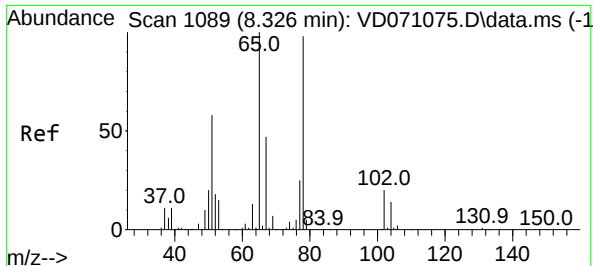
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Tgt Ion: 56 Resp: 3598
Ion Ratio Lower Upper
56 100
69 110.0 25.9 38.9#
84 117.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 62.465 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071306.D

Acq: 13 Dec 2021 19:44

Instrument :

MSVOA_D

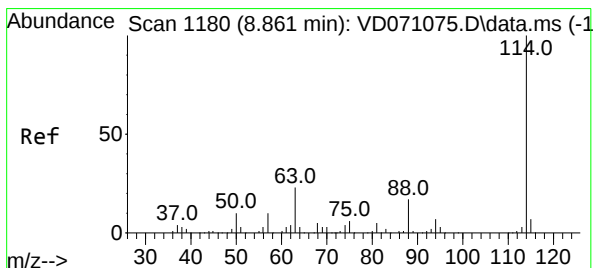
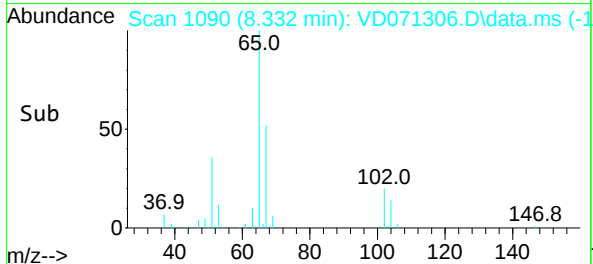
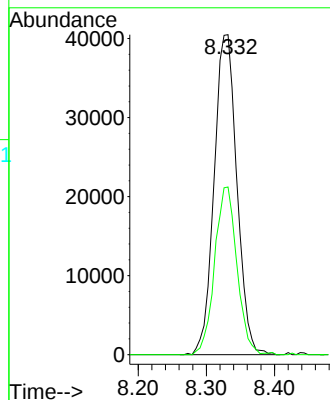
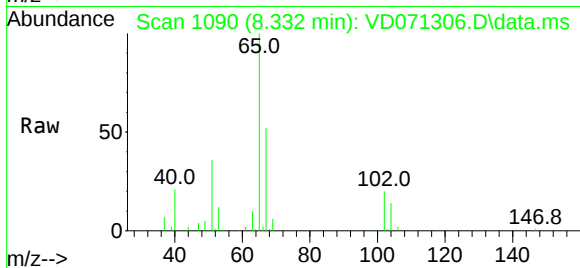
ClientSampleId :

Tgt Ion: 65 Resp: 94176

Ion Ratio Lower Upper

65 100

67 51.2 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: VD071306.D

Acq: 13 Dec 2021 19:44

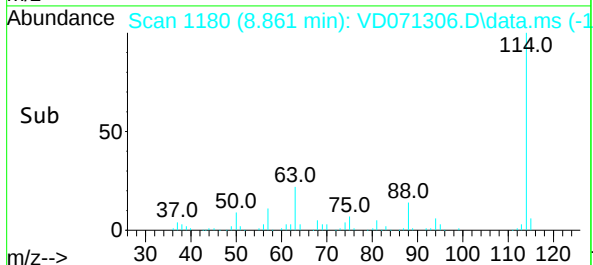
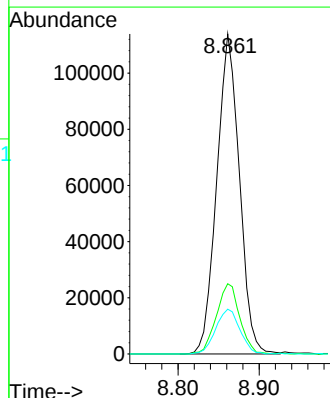
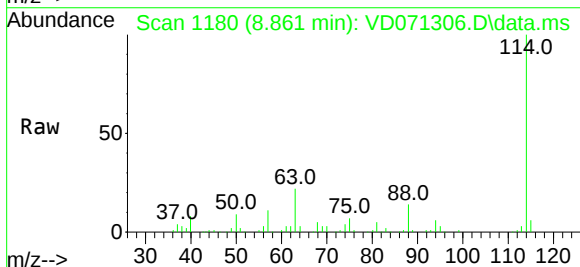
Tgt Ion: 114 Resp: 220990

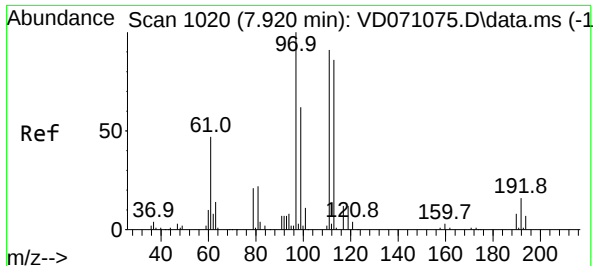
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 14.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.573 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071306.D

Acq: 13 Dec 2021 19:44

Instrument :

MSVOA_D

ClientSampleId :

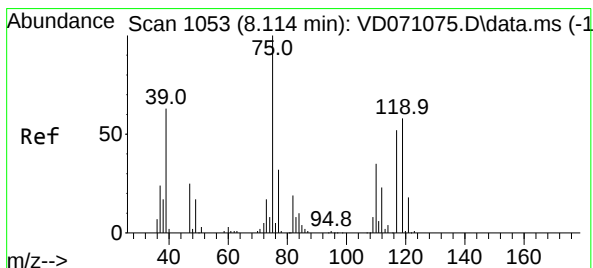
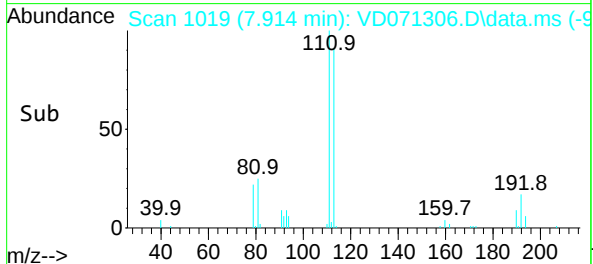
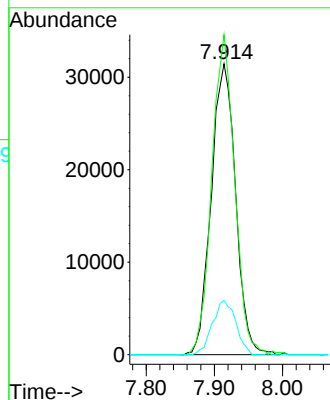
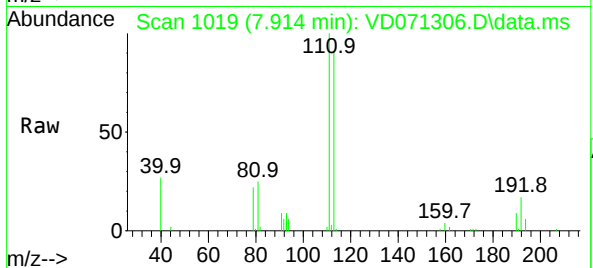
Tgt Ion:113 Resp: 78205

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.946 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071306.D

Acq: 13 Dec 2021 19:44

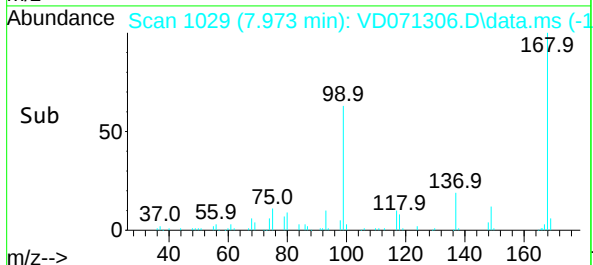
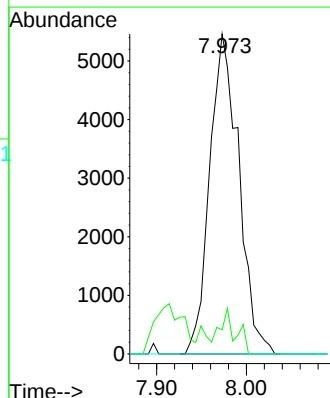
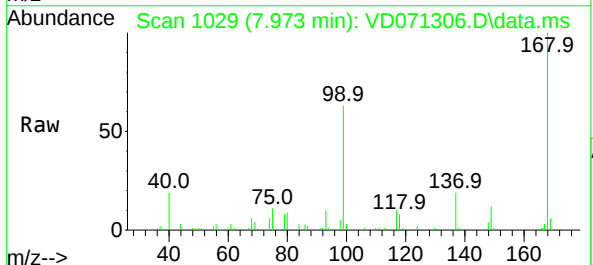
Tgt Ion: 75 Resp: 12282

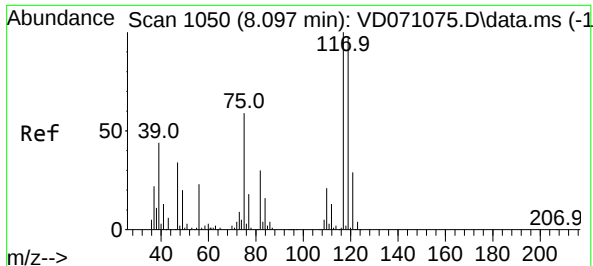
Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.4#

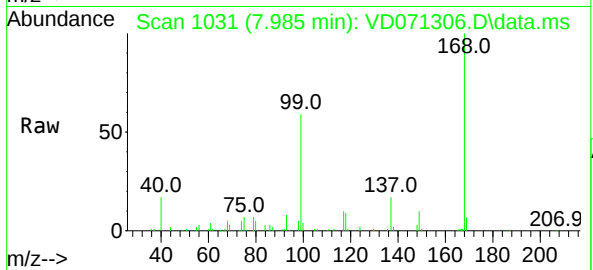
77 0.0 24.8 37.2#



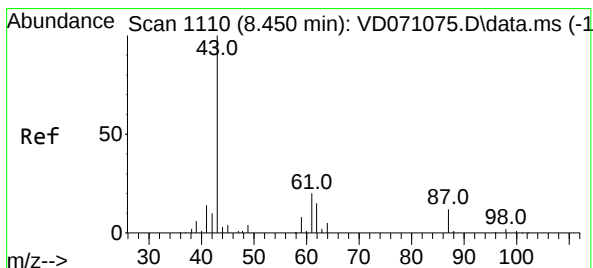
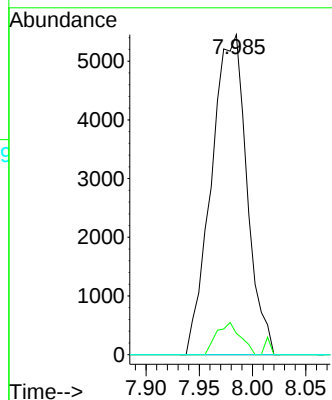
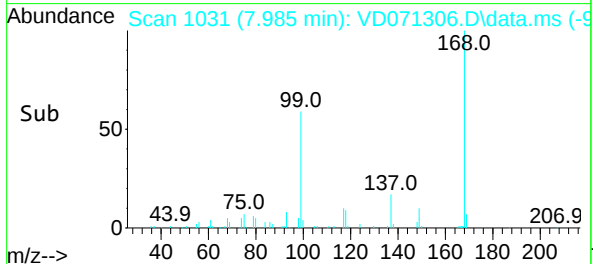


#38
Carbon Tetrachloride
Concen: 6.192 ug/l
RT: 7.985 min Scan# 1109
Delta R.T. -0.112 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :

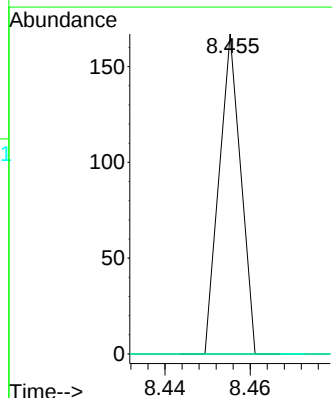
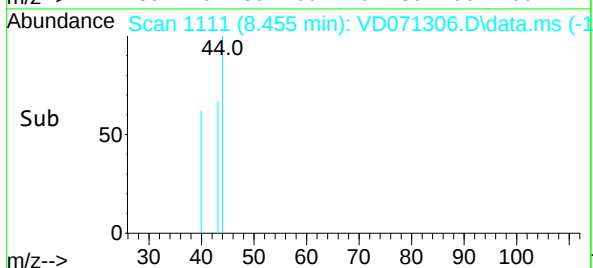
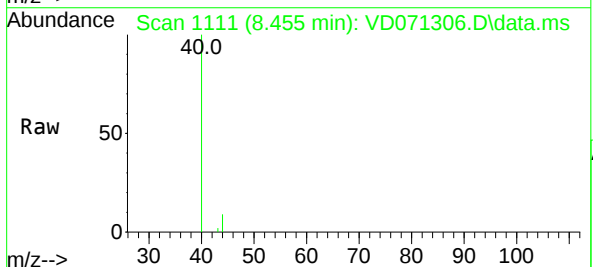


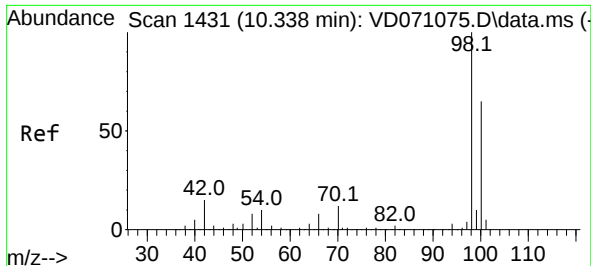
Tgt Ion:117 Resp: 12606
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.250 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

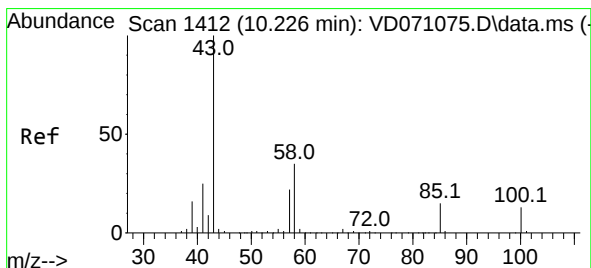
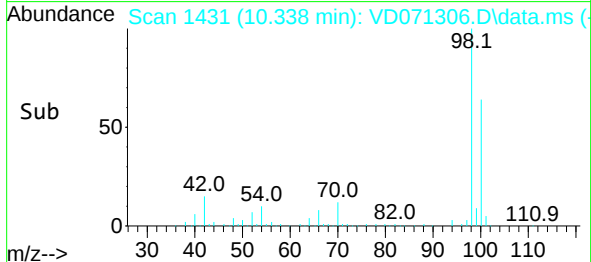
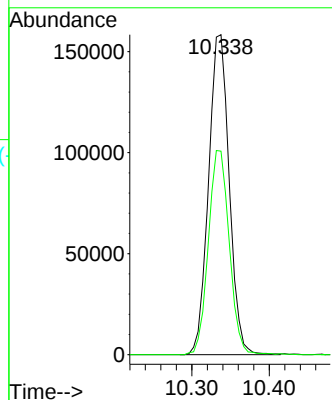
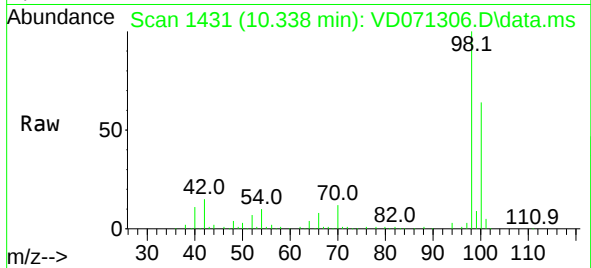




#50
Toluene-d8
Concen: 54.924 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

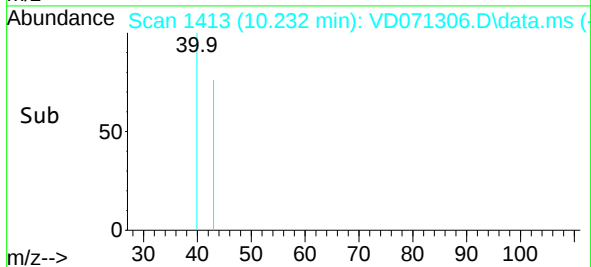
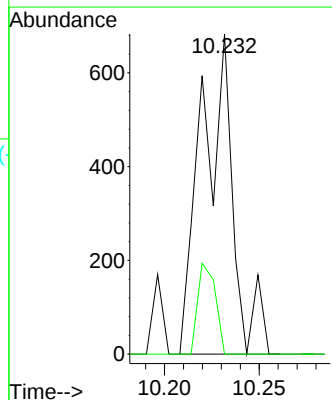
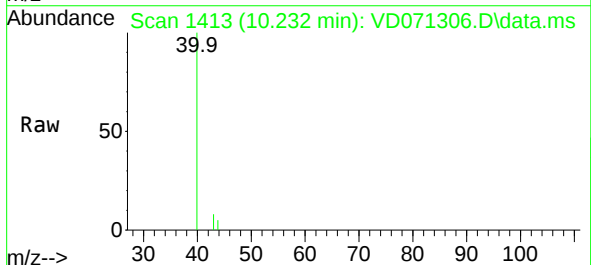
Instrument :
MSVOA_D
ClientSampleId :

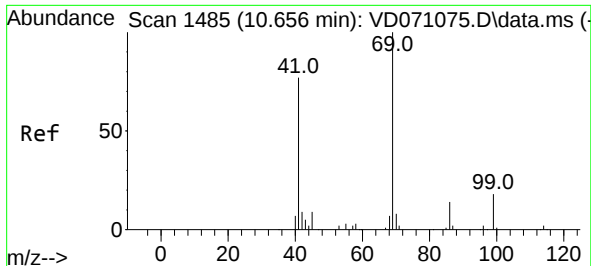
Tgt Ion: 98 Resp: 294132
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.342 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

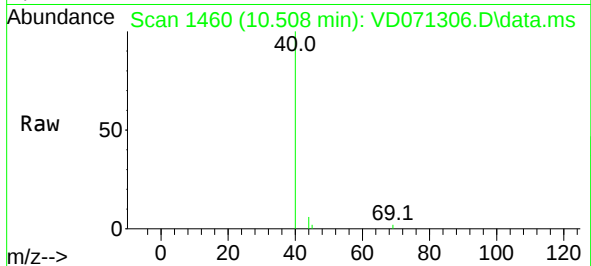
Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
58 15.8 33.1 49.7#



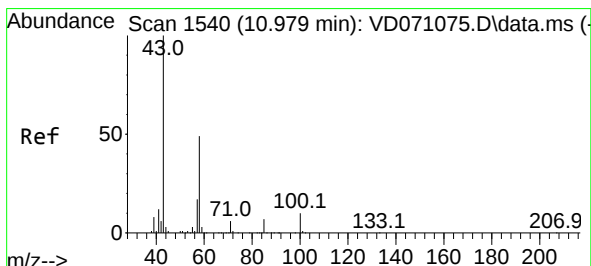
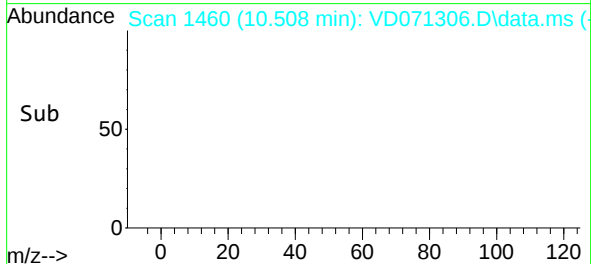
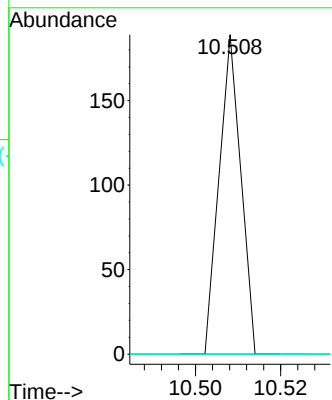


#56
Ethyl methacrylate
Concen: 6.011 ug/l
RT: 10.508 min Scan# 1485
Delta R.T. -0.148 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :

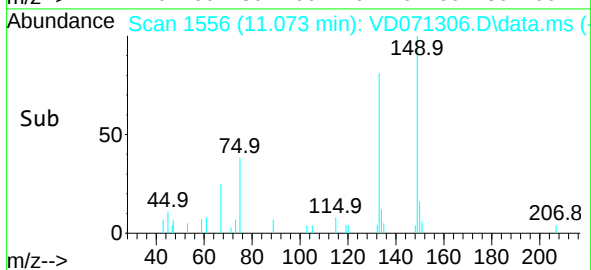
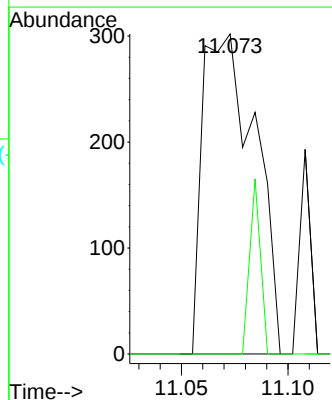
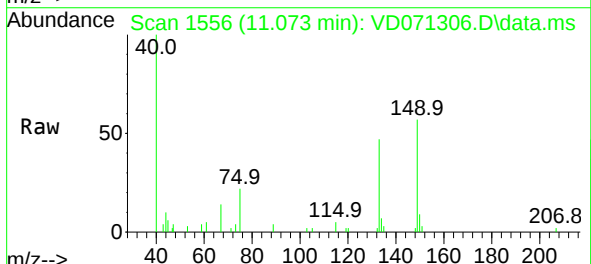


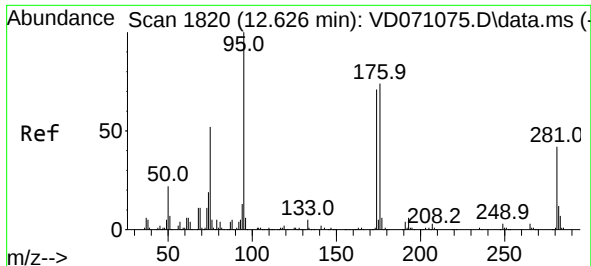
Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 35.160 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.094 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
58 11.2 28.7 86.1#

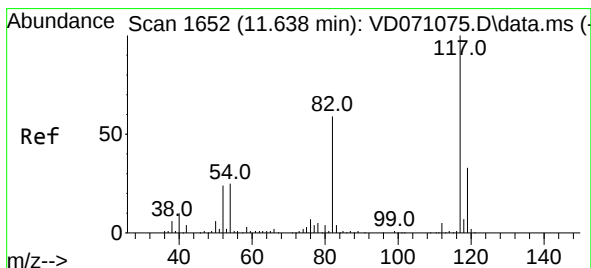
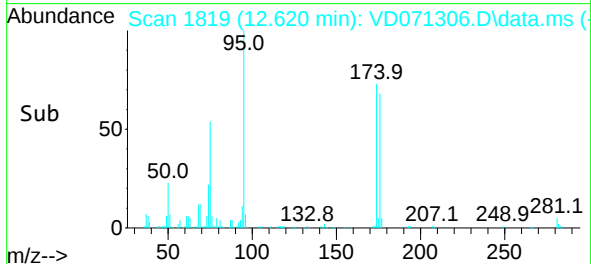
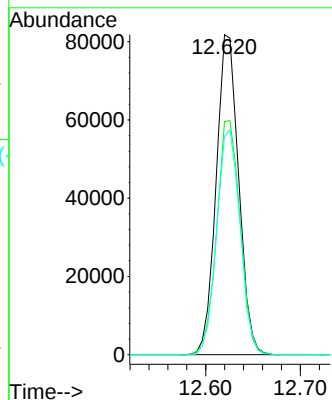
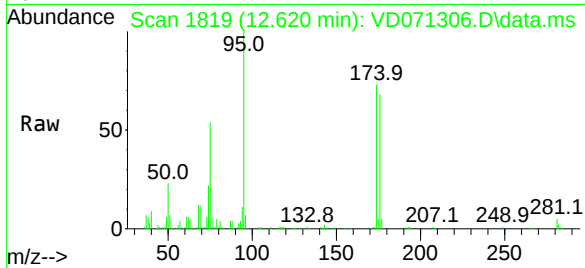




#62
4-Bromofluorobenzene
Concen: 72.881 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

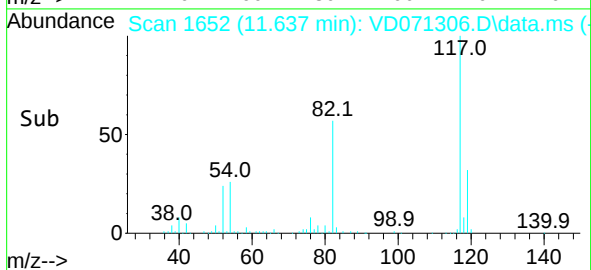
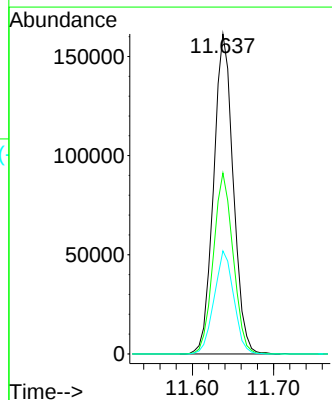
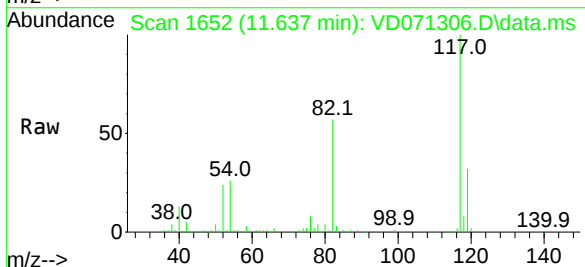
Instrument :
MSVOA_D
ClientSampleId :

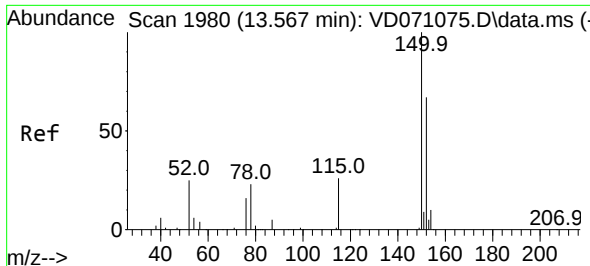
Tgt Ion: 95 Resp: 135292
Ion Ratio Lower Upper
95 100
174 76.1 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

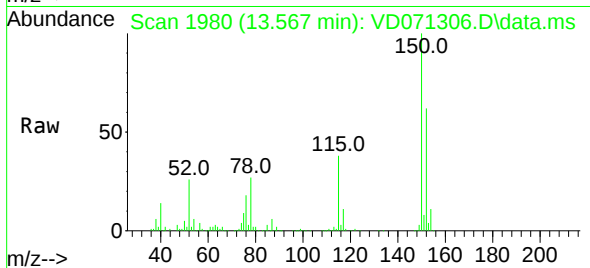
Tgt Ion: 117 Resp: 271152
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 32.2 26.2 39.4



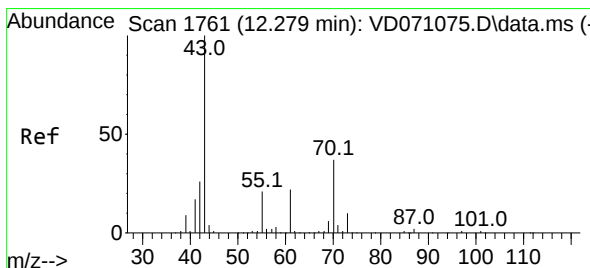
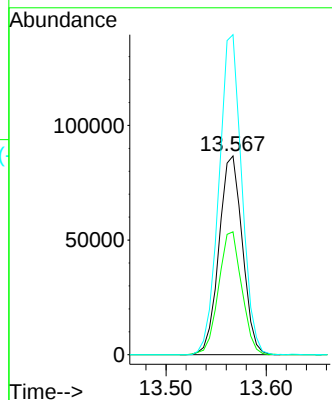
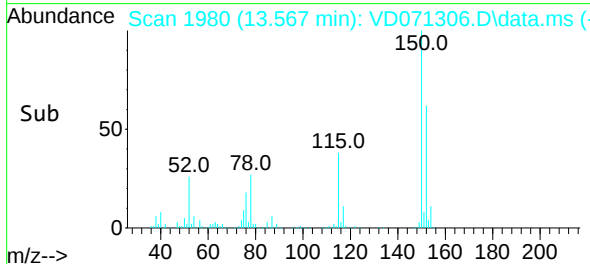


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071306.D
 Acq: 13 Dec 2021 19:44

Instrument :
 MSVOA_D
 ClientSampleId :

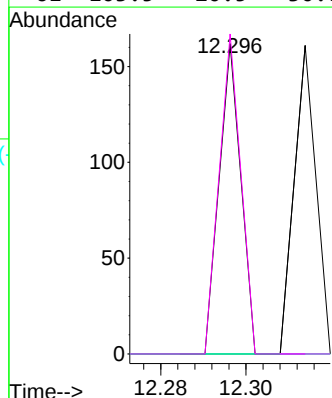
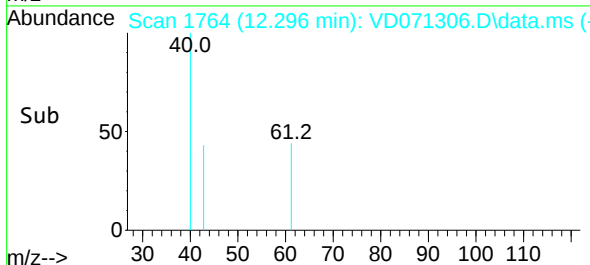
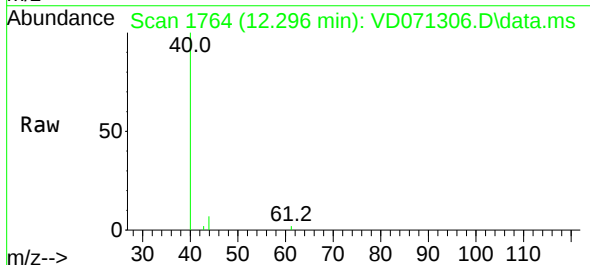


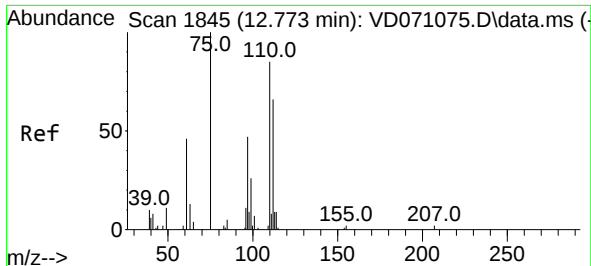
Tgt Ion:152 Resp: 140205
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.8 89.3
 150 157.3 0.0 349.2



#74
 N-ethyl acetate
 Concen: 5.719 ug/l
 RT: 12.296 min Scan# 1764
 Delta R.T. 0.017 min
 Lab File: VD071306.D
 Acq: 13 Dec 2021 19:44

Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.6 55.0#
 55 0.0 22.5 33.7#
 61 103.5 20.5 30.7#

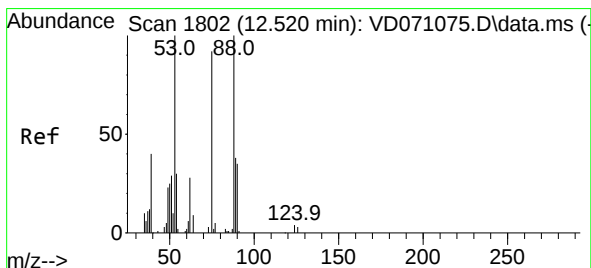
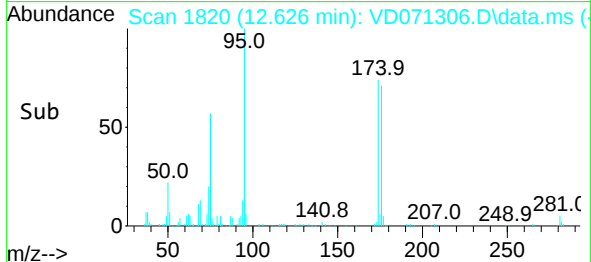
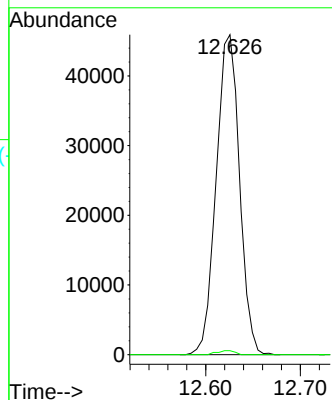
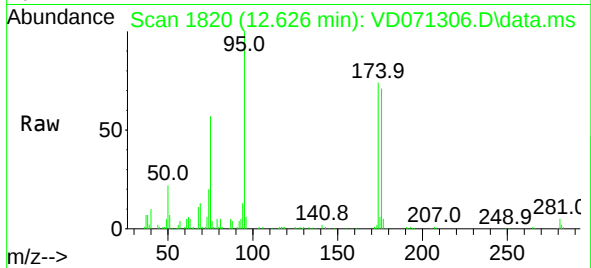




#76
1,2,3-Trichloropropane
Concen: 58.802 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 78548
Ion Ratio Lower Upper
75 100
77 1.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.425 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071306.D
Acq: 13 Dec 2021 19:44

Tgt Ion: 75 Resp: 78548
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#

