

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071294.D
 Acq On : 13 Dec 2021 14:07
 Operator : VA/SY
 Sample : M5017-09RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:13:43 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)

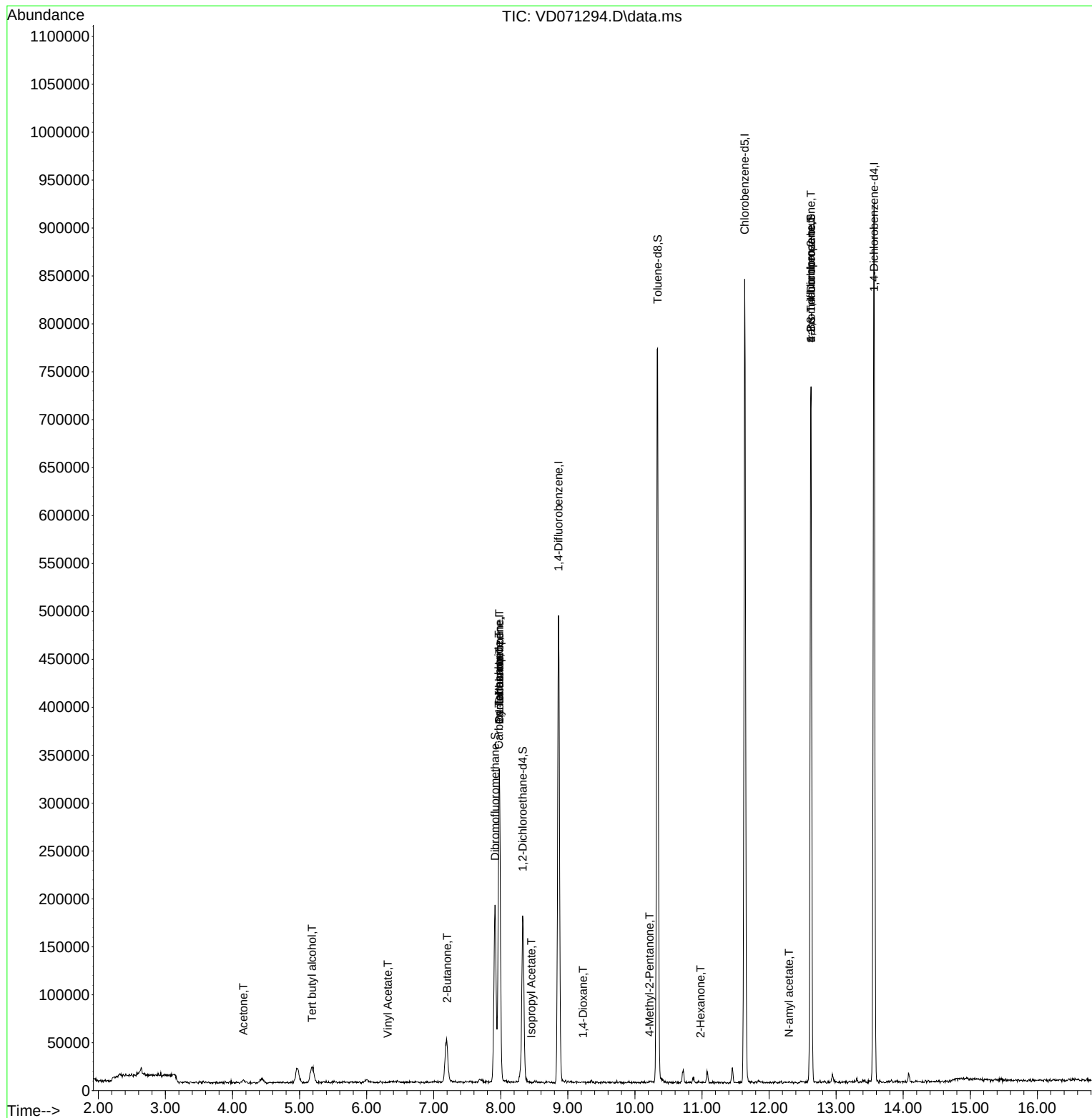
Internal Standards						
1) Pentafluorobenzene	7.979	168	228481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	386589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	436052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	221650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135103	50.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.914	113	125174	50.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.700%	
50) Toluene-d8	10.338	98	494739	52.810	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.626	95	216242	66.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	16365	14.293	ug/l #	71
16) Acetone	4.162	43	5130	37.115	ug/l #	79
20) Methylene Chloride	4.967	84	11200	Below Cal		96
23) Vinyl Acetate	6.314	43	62	27.231	ug/l #	72
25) 2-Butanone	7.203	43	3284	31.900	ug/l #	73
31) Cyclohexane	7.979	56	7100	1.557	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	22365	6.190	ug/l #	47
38) Carbon Tetrachloride	7.973	117	22807	6.403	ug/l #	20
41) Methacrylonitrile	7.544	41	76	Below Cal	#	36
43) Isopropyl Acetate	8.455	43	121	5.254	ug/l #	47
49) 1,4-Dioxane	9.226	88	86	6.653	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	2047	31.672	ug/l	91
59) 2-Hexanone	10.979	43	155	34.675	ug/l #	22
74) N-amyl acetate	12.296	43	146	5.731	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	122472	57.995	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	122472	125.755	ug/l #	18

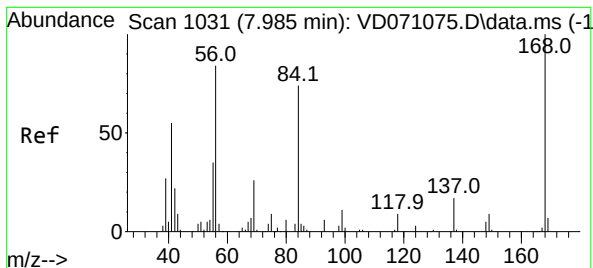
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.006 min

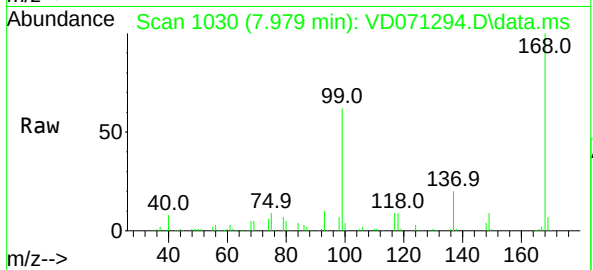
Lab File: VD071294.D

Acq: 13 Dec 2021 14:07

Instrument :

MSVOA_D

ClientSampleId :

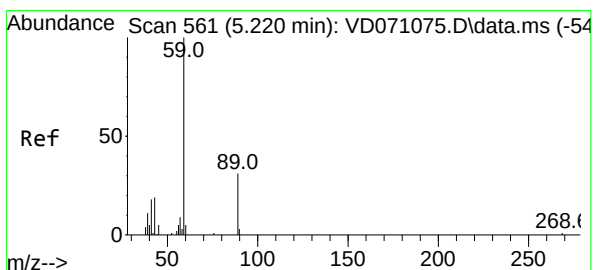
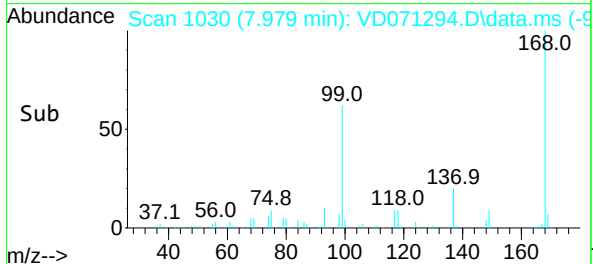
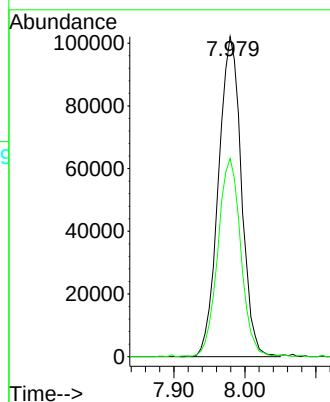


Tgt Ion:168 Resp: 228481

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



#11

Tert butyl alcohol

Concen: 14.293 ug/l

RT: 5.185 min Scan# 555

Delta R.T. -0.035 min

Lab File: VD071294.D

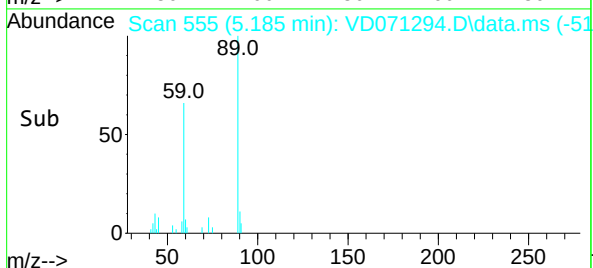
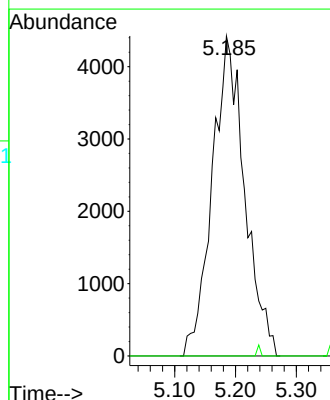
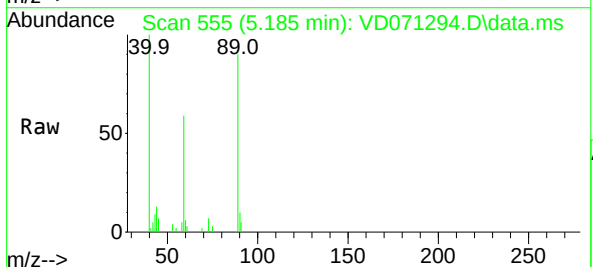
Acq: 13 Dec 2021 14:07

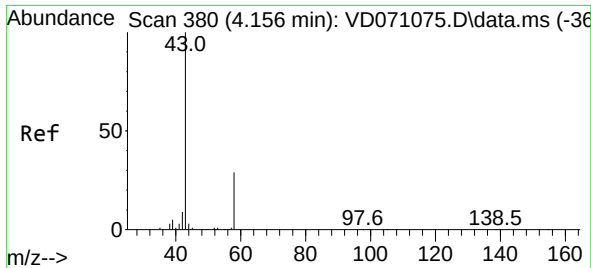
Tgt Ion: 59 Resp: 16365

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#

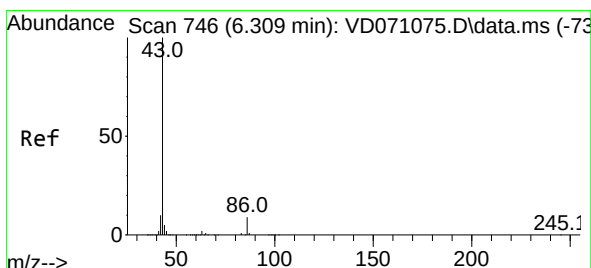
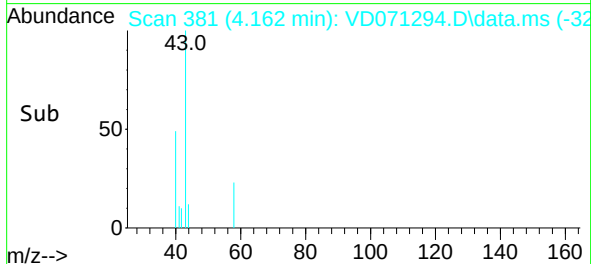
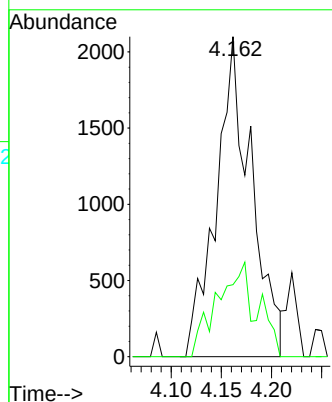
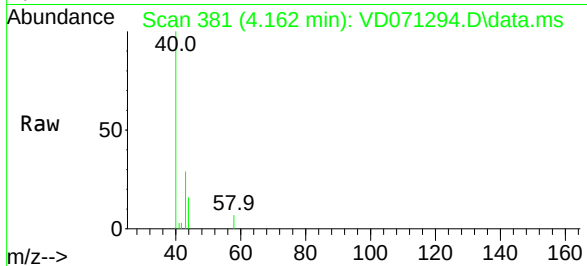




#16
Acetone
Concen: 37.115 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

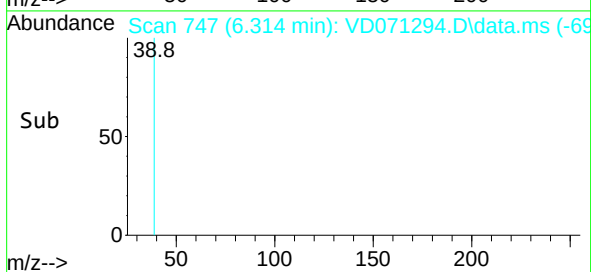
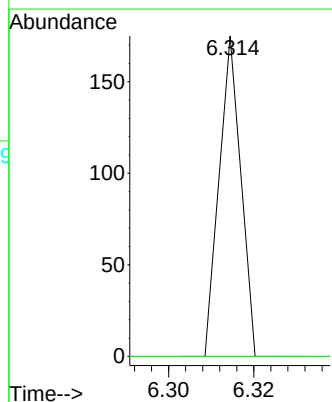
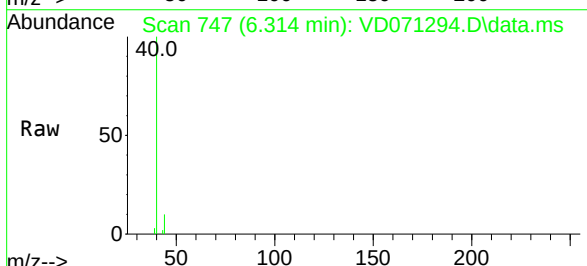
Instrument :
MSVOA_D
ClientSampleId :

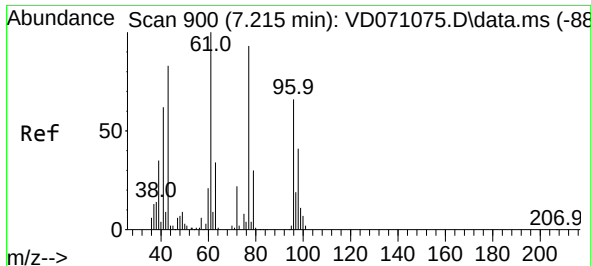
Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
58 22.5 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.231 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

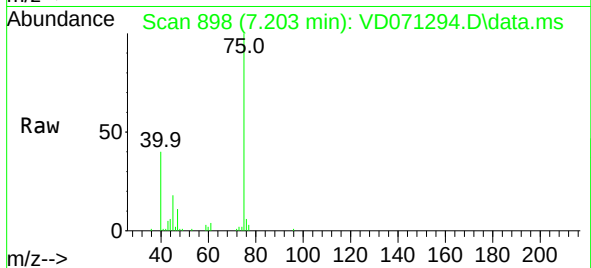
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



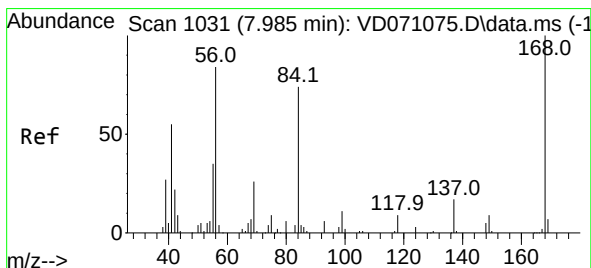
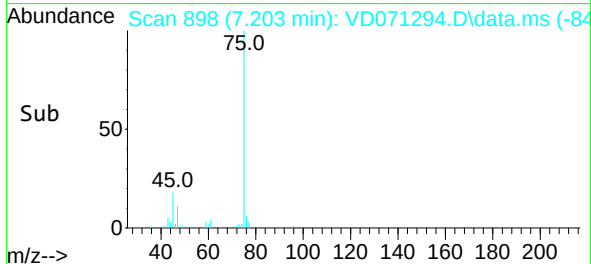
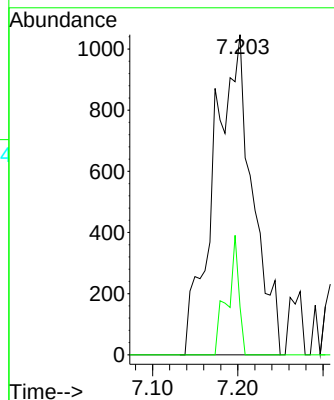


#25
2-Butanone
Concen: 31.900 ug/l
RT: 7.203 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :

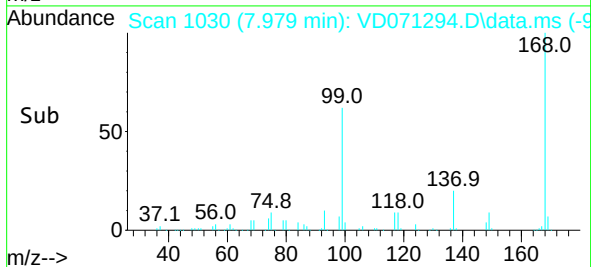
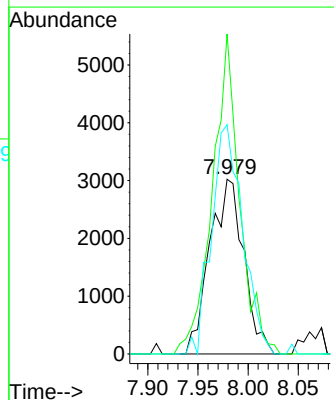
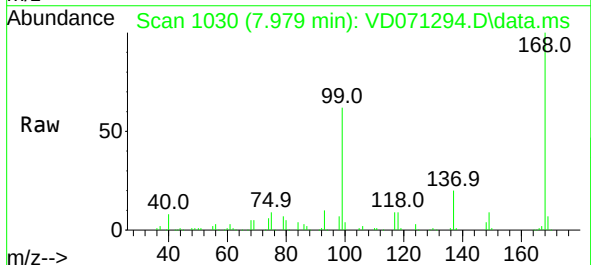


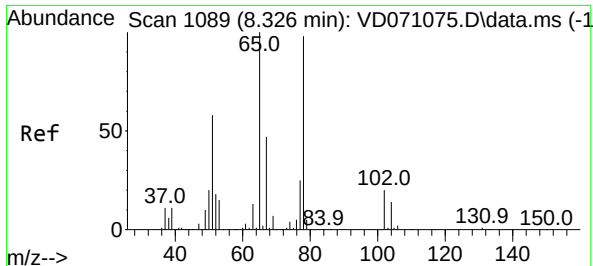
Tgt Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
72 15.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.557 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Tgt Ion: 56 Resp: 7100
Ion Ratio Lower Upper
56 100
69 183.1 25.9 38.9#
84 131.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 50.394 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071294.D

Acq: 13 Dec 2021 14:07

Instrument :

MSVOA_D

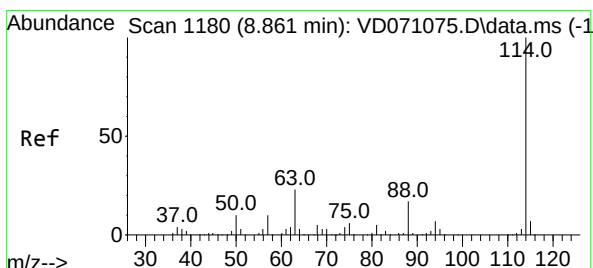
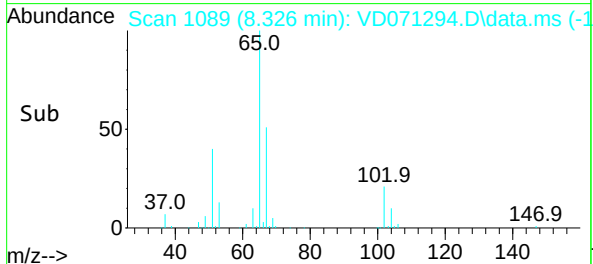
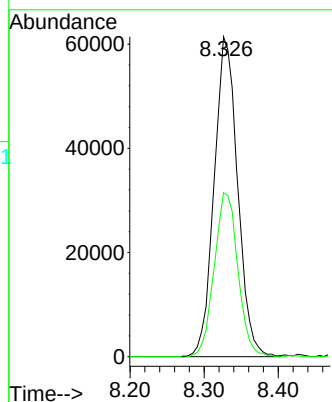
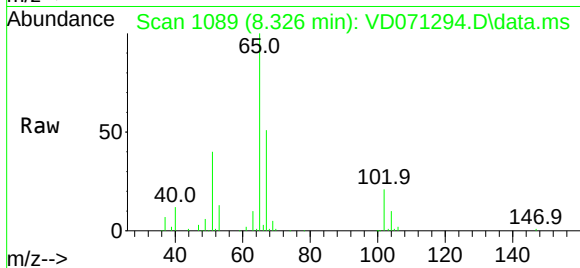
ClientSampleId :

Tgt Ion: 65 Resp: 135103

Ion Ratio Lower Upper

65 100

67 51.7 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: VD071294.D

Acq: 13 Dec 2021 14:07

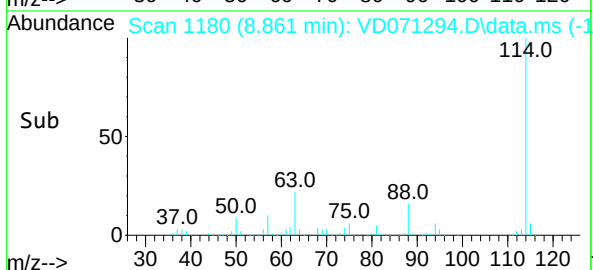
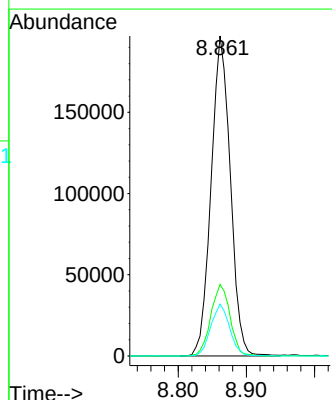
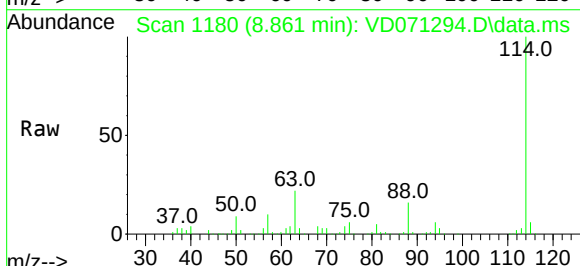
Tgt Ion: 114 Resp: 386589

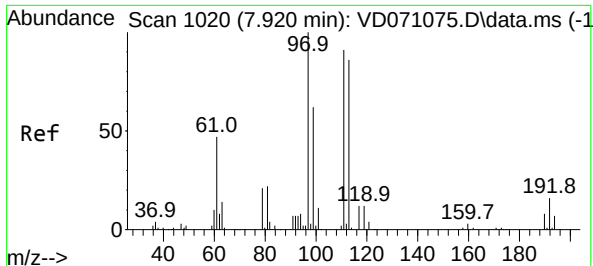
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.847 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

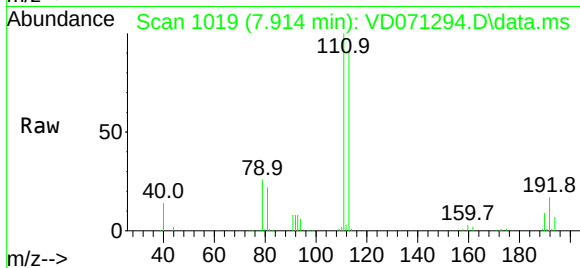
Lab File: VD071294.D

Acq: 13 Dec 2021 14:07

Instrument :

MSVOA_D

ClientSampleId :



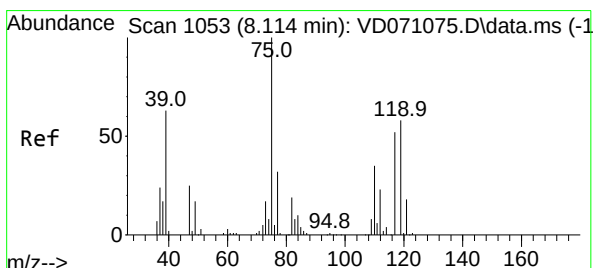
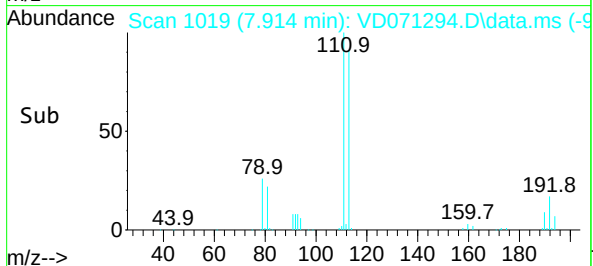
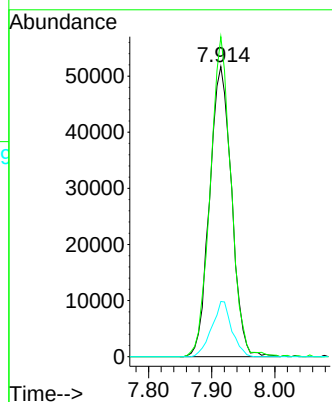
Tgt Ion:113 Resp: 125174

Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 17.2 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.190 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071294.D

Acq: 13 Dec 2021 14:07

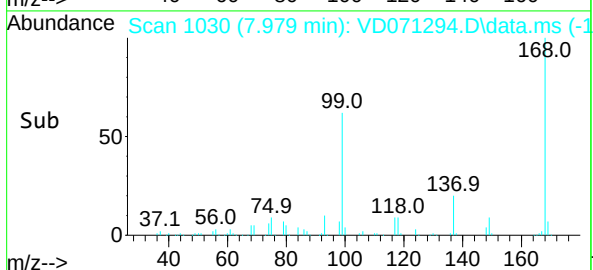
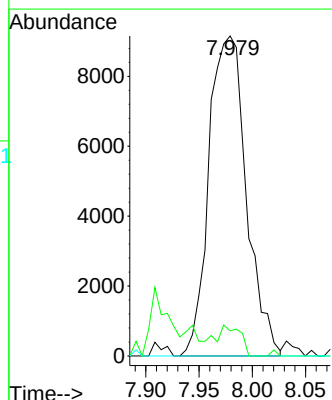
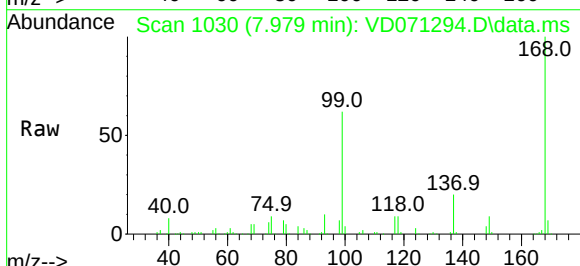
Tgt Ion: 75 Resp: 22365

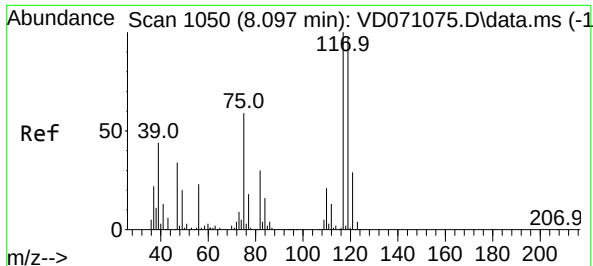
Ion Ratio Lower Upper

75 100

110 6.3 17.8 53.4#

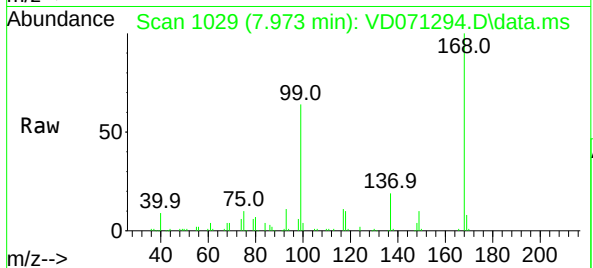
77 0.0 24.8 37.2#



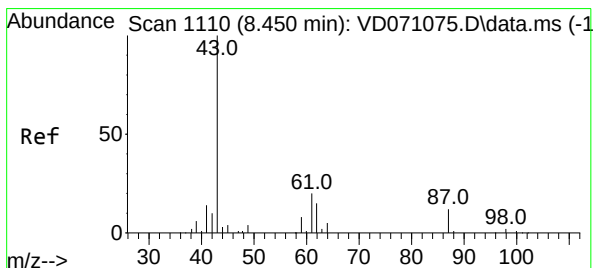
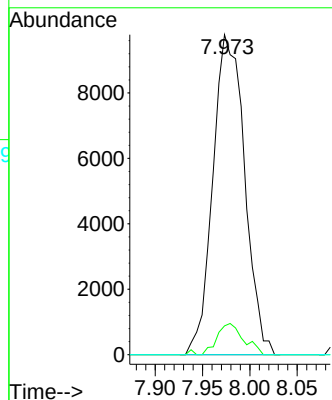
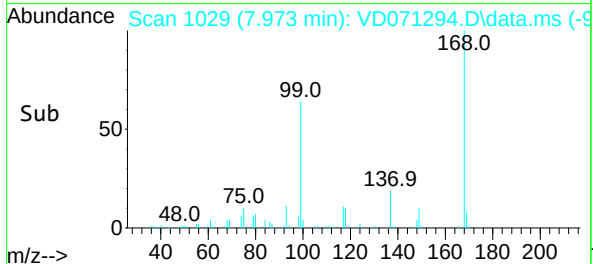


#38
Carbon Tetrachloride
Concen: 6.403 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :

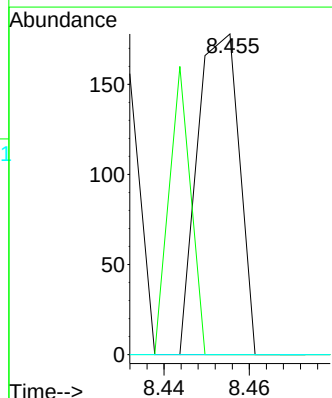
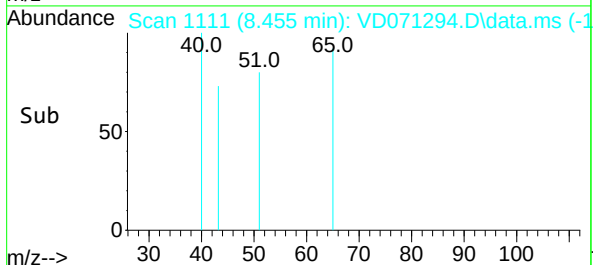
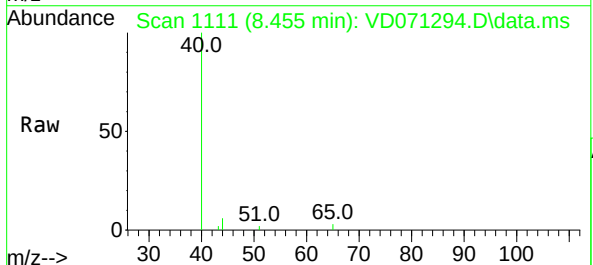


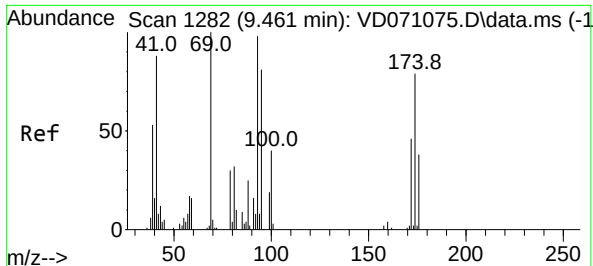
Tgt Ion:117 Resp: 22807
Ion Ratio Lower Upper
117 100
119 9.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.254 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

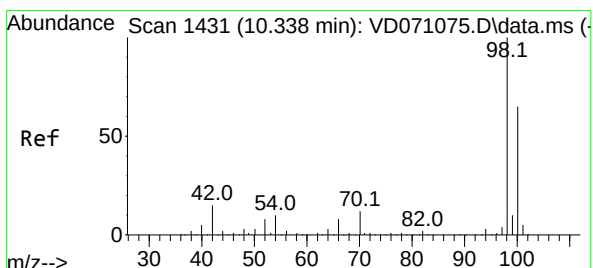
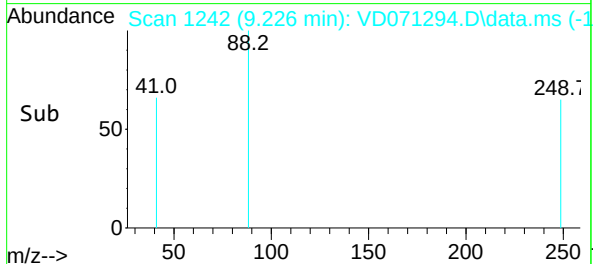
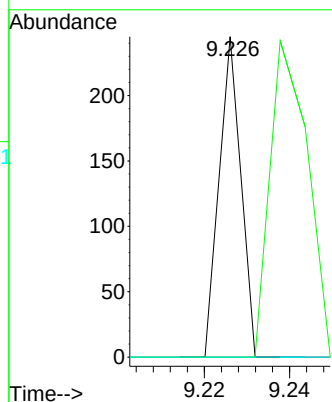
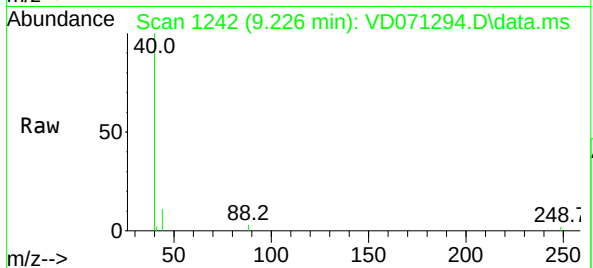




#49
1,4-Dioxane
Concen: 6.653 ug/l
RT: 9.226 min Scan# 11
Delta R.T. -0.235 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

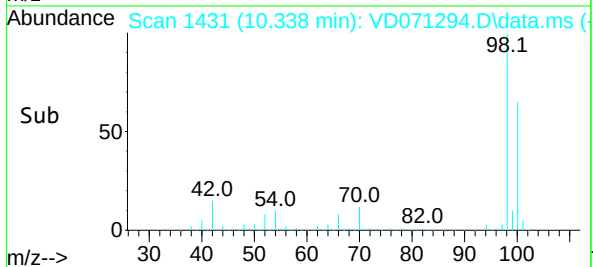
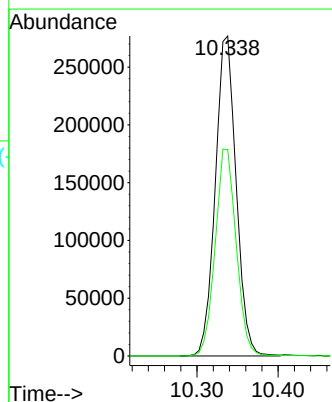
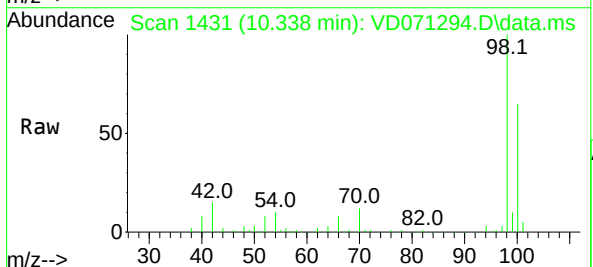
Instrument :
MSVOA_D
ClientSampleId :

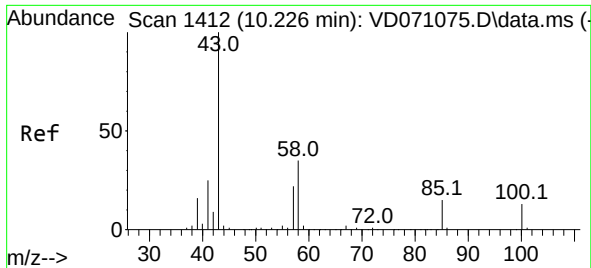
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 172.1 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 52.810 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Tgt Ion: 98 Resp: 494739
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

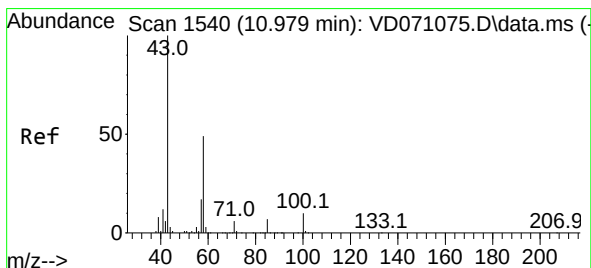
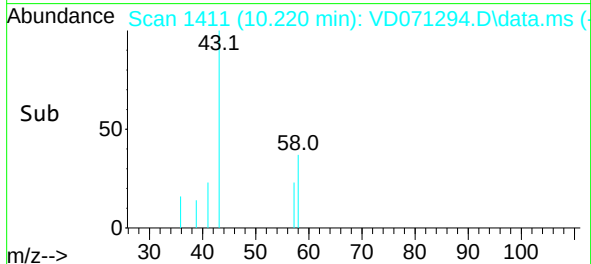
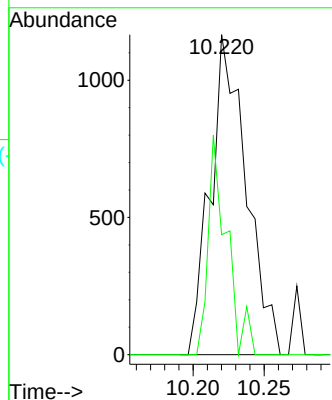
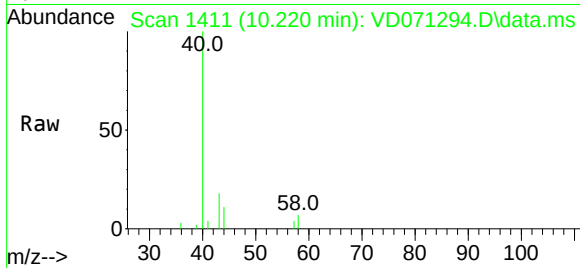




#51
4-Methyl-2-Pentanone
Concen: 31.672 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

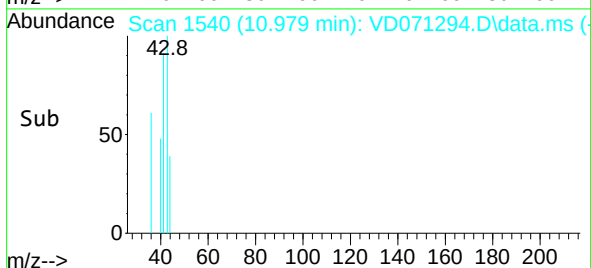
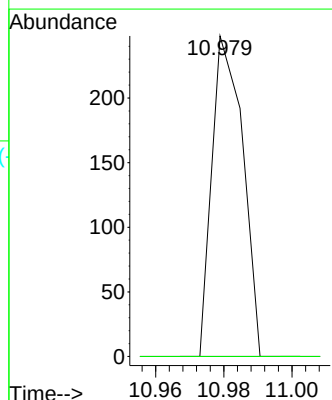
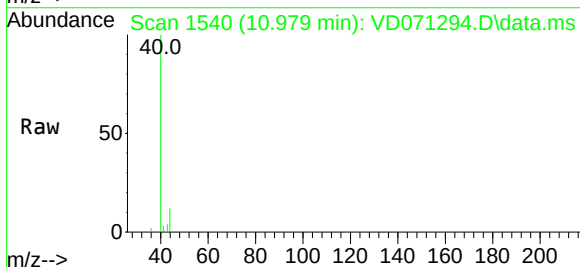
Instrument :
MSVOA_D
ClientSampleId :

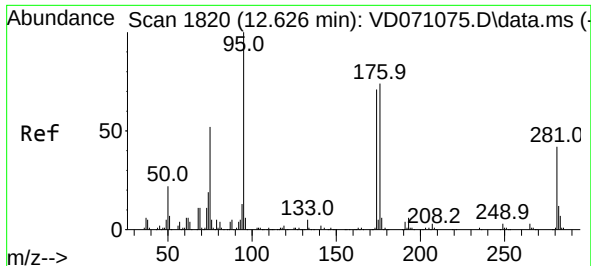
Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
58 35.5 33.1 49.7



#59
2-Hexanone
Concen: 34.675 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

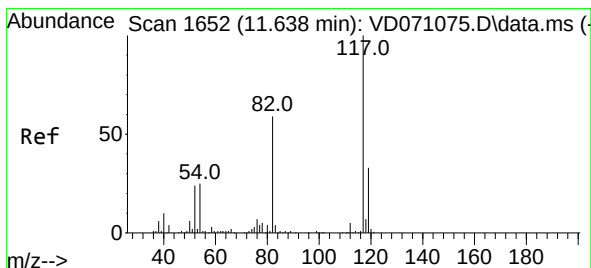
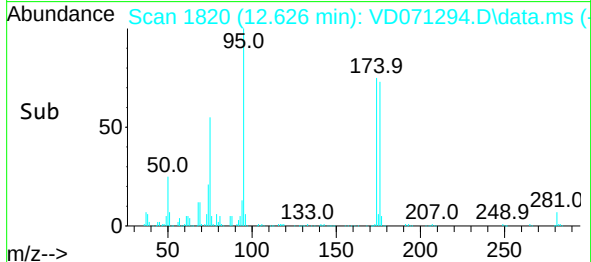
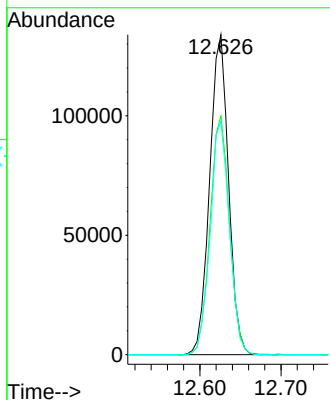
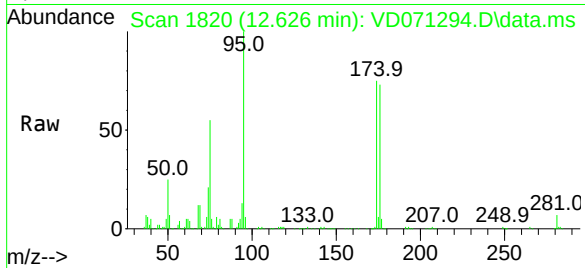




#62
4-Bromofluorobenzene
Concen: 66.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

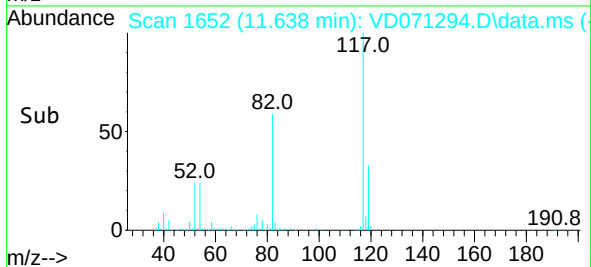
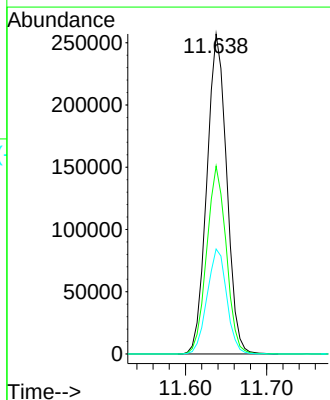
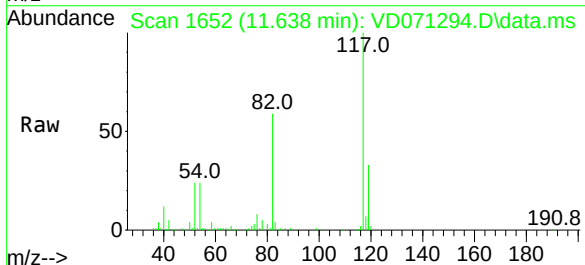
Instrument :
MSVOA_D
ClientSampleId :

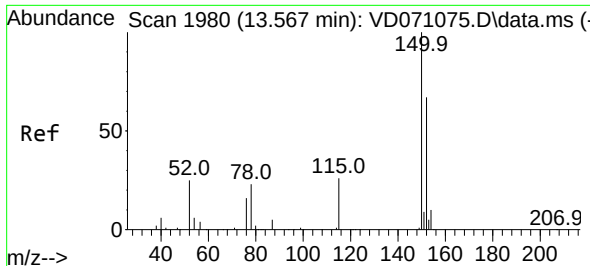
Tgt Ion: 95 Resp: 216242
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.4
176 73.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

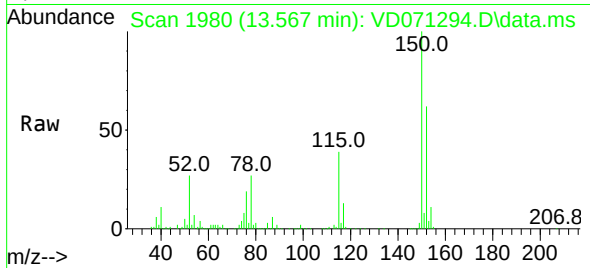
Tgt Ion: 117 Resp: 436052
Ion Ratio Lower Upper
117 100
82 58.7 44.7 67.1
119 32.8 26.2 39.4



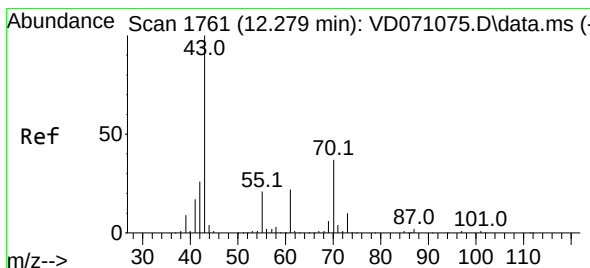
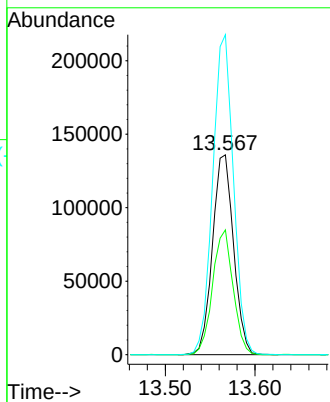
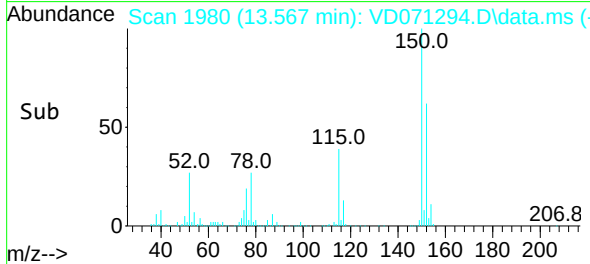


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

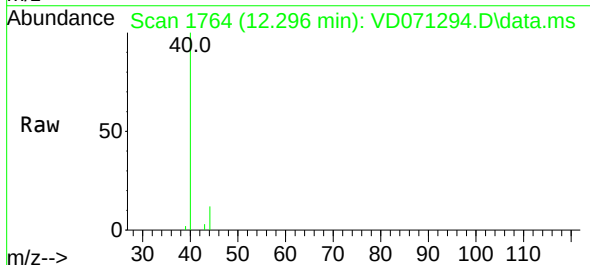
Instrument :
MSVOA_D
ClientSampleId :



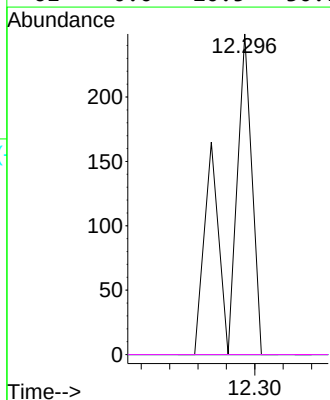
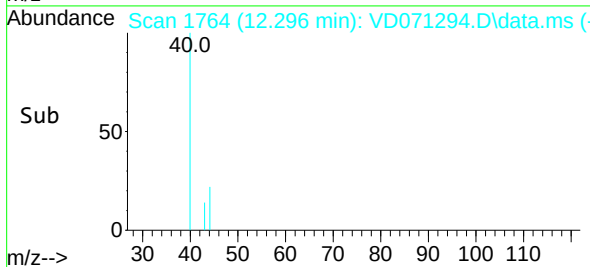
Tgt Ion:152 Resp: 221650
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 157.6 0.0 349.2

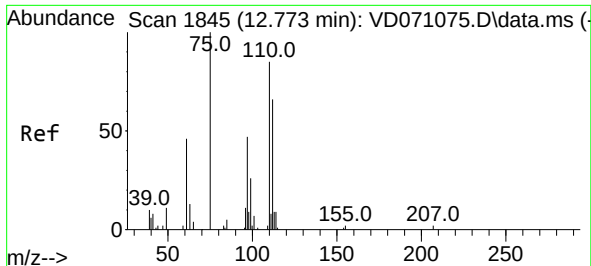


#74
N-ethyl acetate
Concen: 5.731 ug/l
RT: 12.296 min Scan# 1764
Delta R.T. 0.017 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07



Tgt Ion: 43 Resp: 146
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#

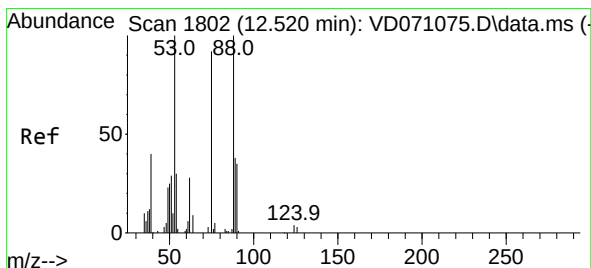
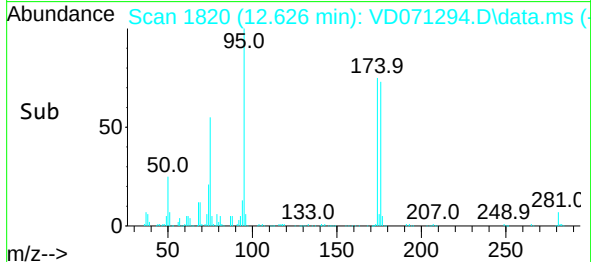
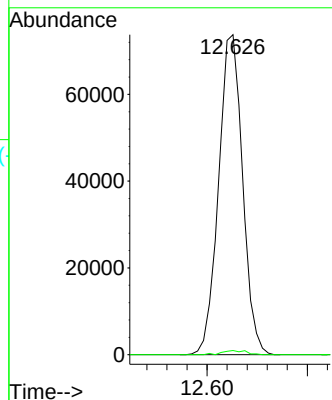
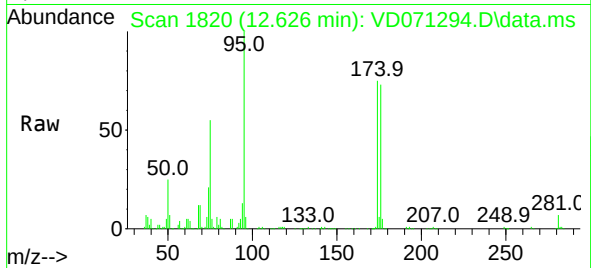




#76
1,2,3-Trichloropropane
Concen: 57.995 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 122472
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.755 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071294.D
Acq: 13 Dec 2021 14:07

Tgt Ion: 75 Resp: 122472
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

