

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071163.D
 Acq On : 06 Dec 2021 10:59
 Operator : VA/SY
 Sample : VD1206SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBL01

Quant Time: Dec 07 06:49:56 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)

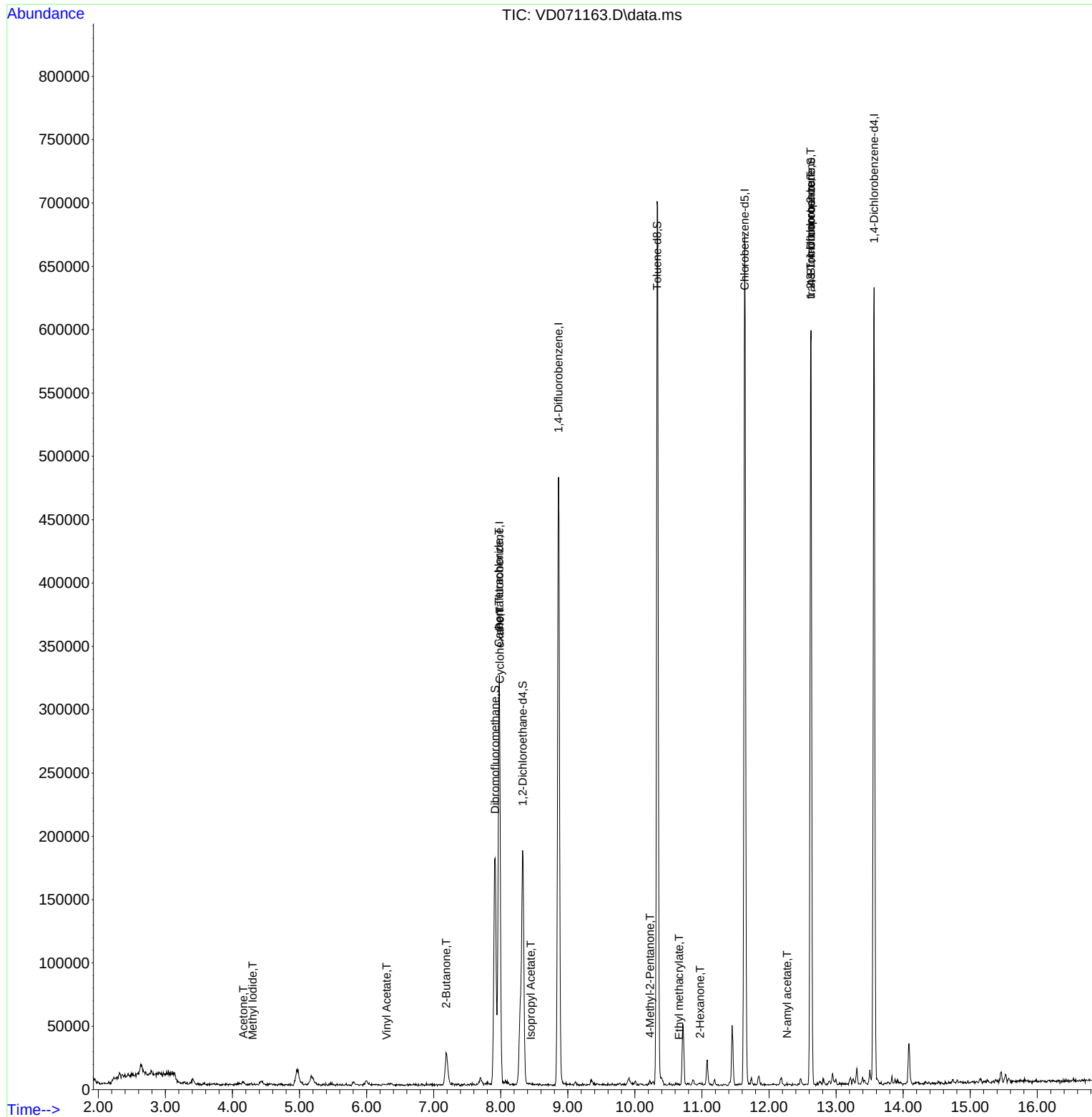
Internal Standards						
1) Pentafluorobenzene	7.979	168	223286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	386647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	357110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	157069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	140199	53.511	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.020%			
35) Dibromofluoromethane	7.914	113	129358	52.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.332	98	455794	48.646	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.626	95	159041	48.968	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.940%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	461	4.721	ug/l #	56
11) Tert butyl alcohol	5.185	59	7780	Below Cal	#	71
16) Acetone	4.162	43	3725	35.491	ug/l	93
20) Methylene Chloride	4.962	84	8098	Below Cal	#	90
23) Vinyl Acetate	6.297	43	79	27.235	ug/l #	72
25) 2-Butanone	7.185	43	1767	30.309	ug/l #	86
31) Cyclohexane	7.985	56	7387	1.658	ug/l #	25
38) Carbon Tetrachloride	7.973	117	24126	6.773	ug/l #	17
41) Methacrylonitrile	7.550	41	290	Below Cal	#	38
43) Isopropyl Acetate	8.450	43	179	5.270	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	2432	31.864	ug/l #	68
56) Ethyl methacrylate	10.661	69	194	6.038	ug/l #	67
59) 2-Hexanone	10.973	43	957	35.196	ug/l	71
74) N-amyl acetate	12.267	43	210	5.761	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	89294	59.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	89294	129.220	ug/l #	19

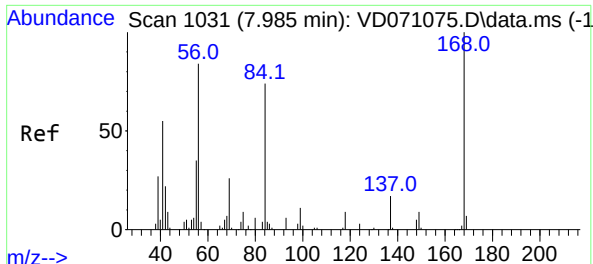
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 07 06:49:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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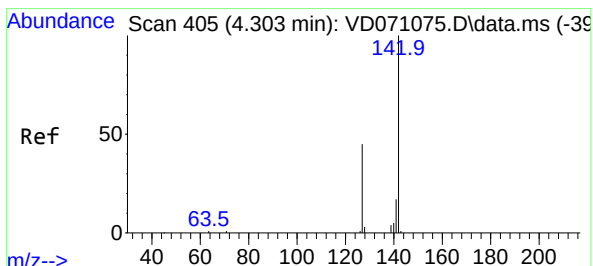
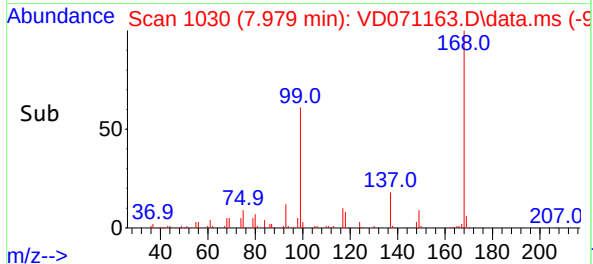
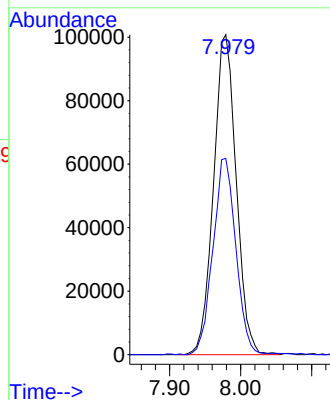
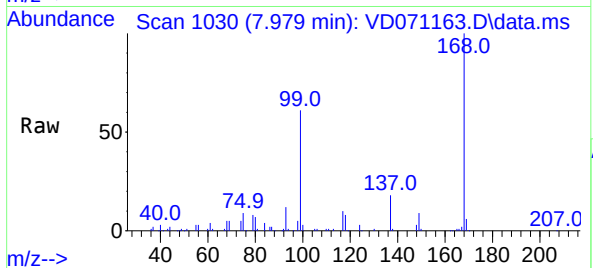




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

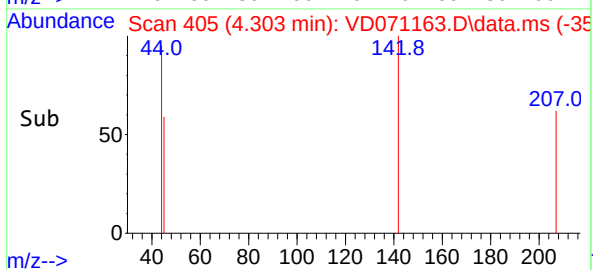
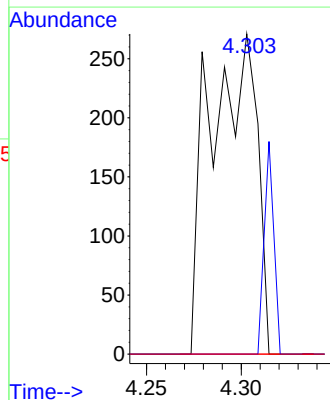
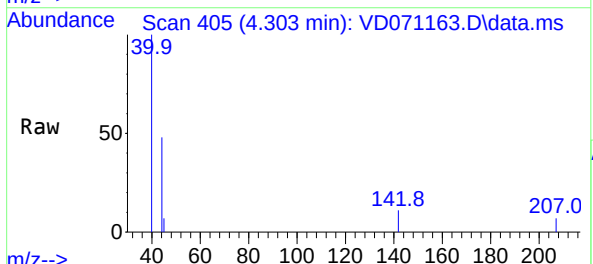
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

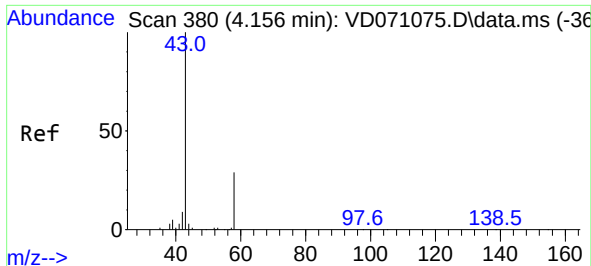
Tgt Ion:168 Resp: 223286
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.721 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion:142 Resp: 461
Ion Ratio Lower Upper
142 100
127 13.9 35.0 52.4#
141 0.0 12.0 18.0#

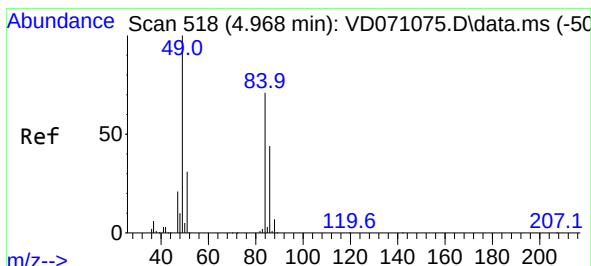
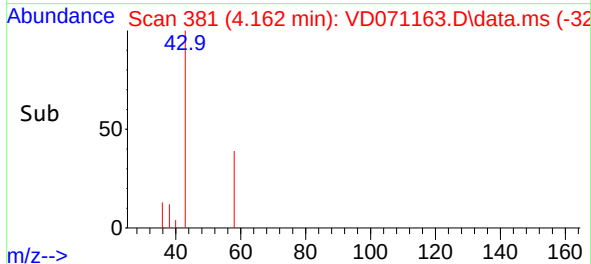
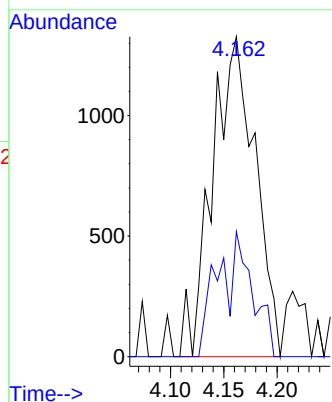
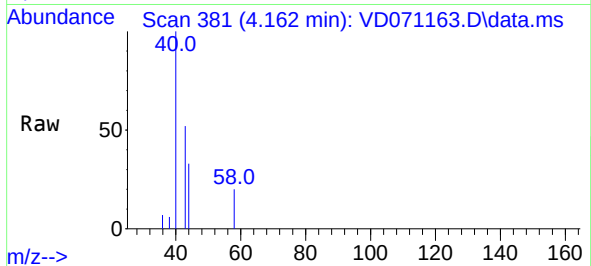




#16
Acetone
Concen: 35.491 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

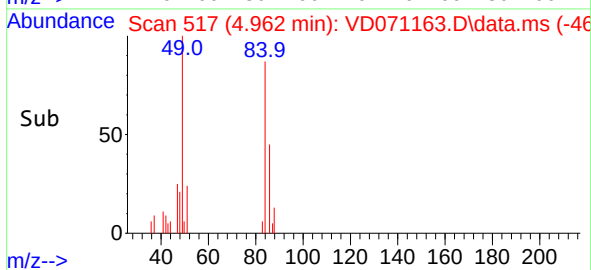
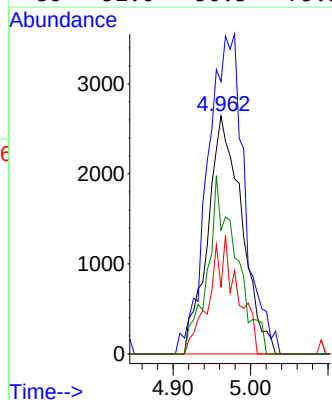
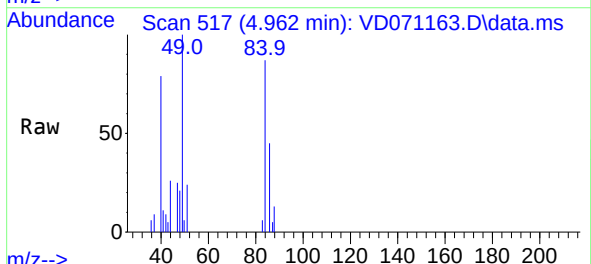
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

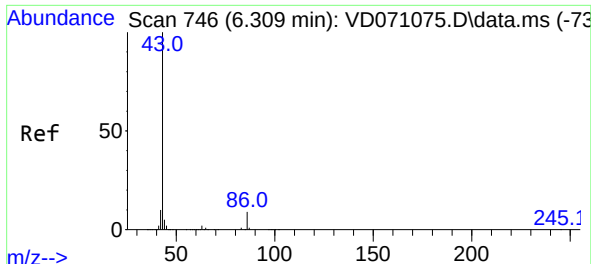
Tgt Ion: 43 Resp: 3725
Ion Ratio Lower Upper
43 100
58 39.0 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 84 Resp: 8098
Ion Ratio Lower Upper
84 100
49 114.4 95.8 143.6
51 28.0 30.9 46.3#
86 52.0 50.3 75.5

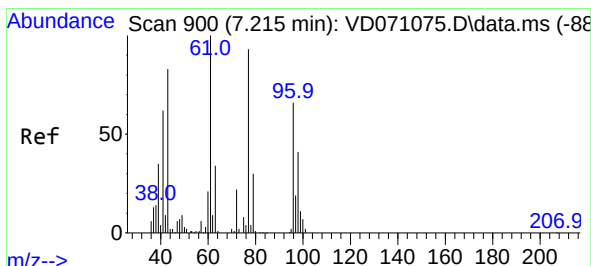
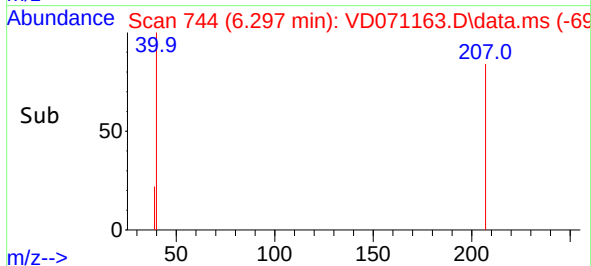
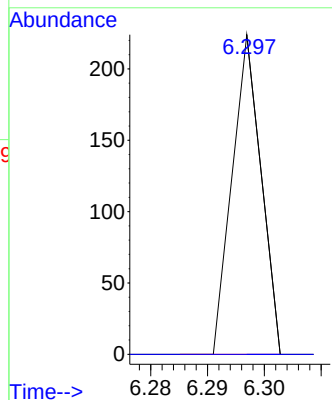
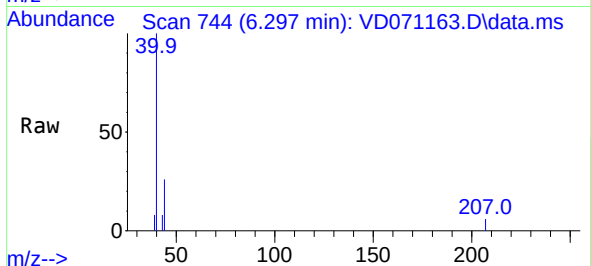




#23
 Vinyl Acetate
 Concen: 27.235 ug/l
 RT: 6.297 min Scan# 746
 Delta R.T. -0.012 min
 Lab File: VD071163.D
 Acq: 06 Dec 2021 10:59

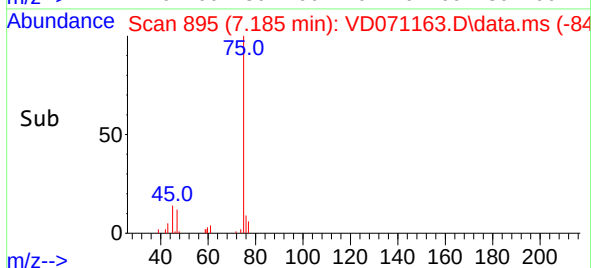
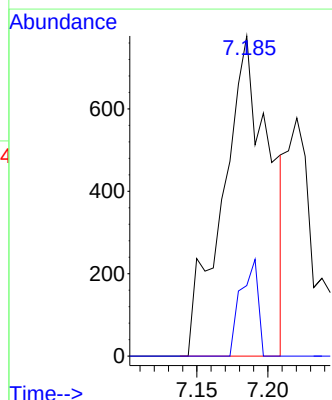
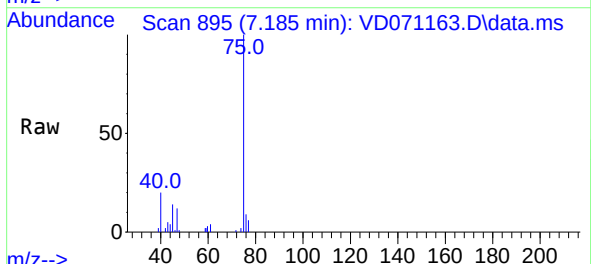
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBL01

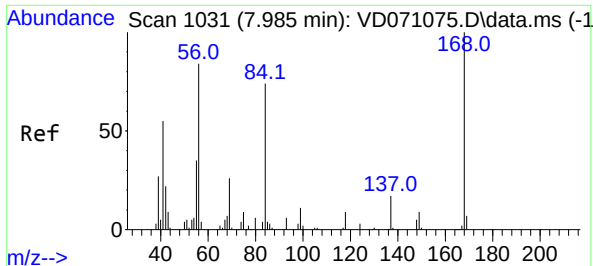
Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.309 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071163.D
 Acq: 06 Dec 2021 10:59

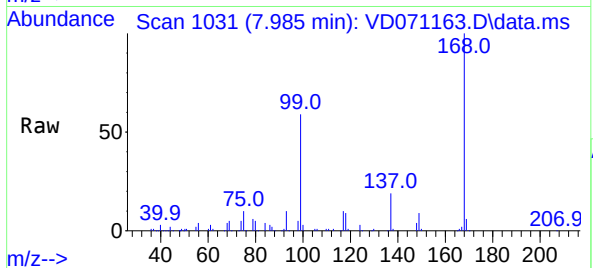
Tgt Ion: 43 Resp: 1767
 Ion Ratio Lower Upper
 43 100
 72 22.0 23.8 35.6#



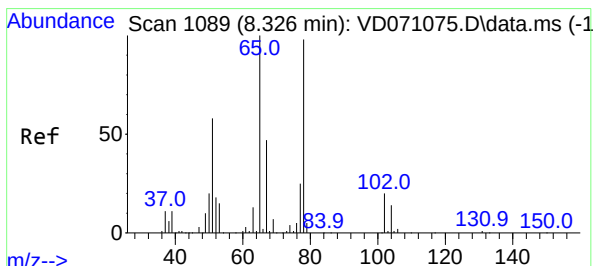
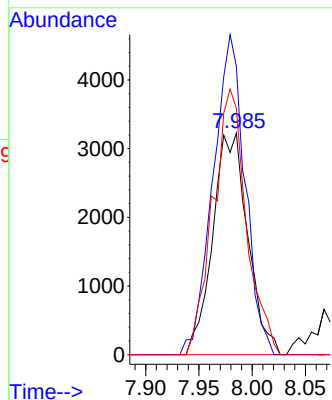
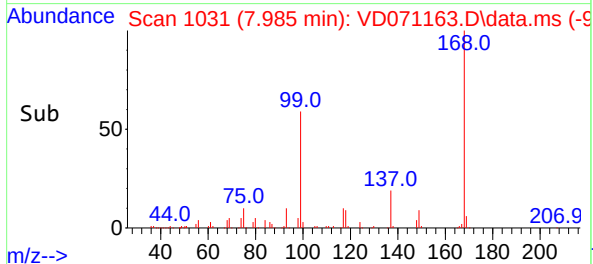


#31
Cyclohexane
Concen: 1.658 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

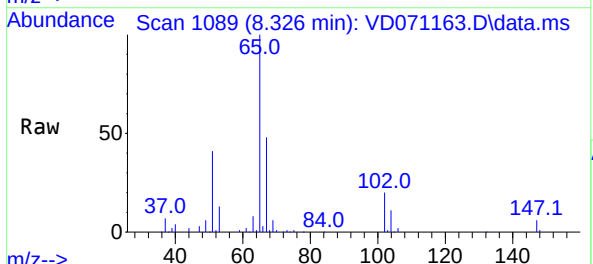
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01



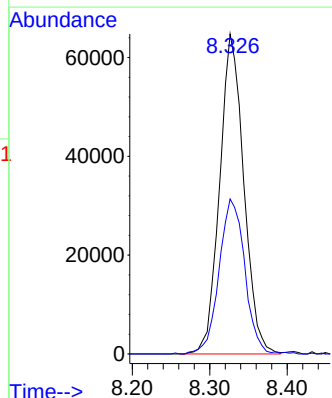
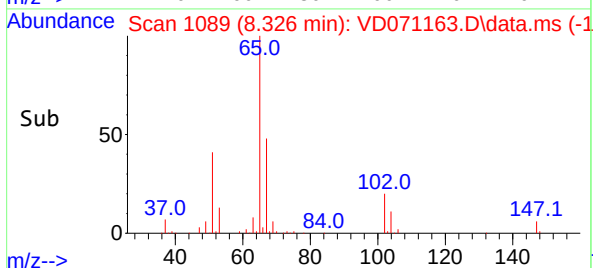
Tgt Ion: 56 Resp: 7387
Ion Ratio Lower Upper
56 100
69 130.1 25.9 38.9#
84 111.2 64.3 96.5#

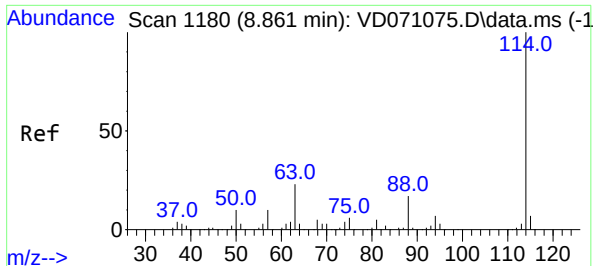


#33
1,2-Dichloroethane-d4
Concen: 53.511 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59



Tgt Ion: 65 Resp: 140199
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: VD071163.D

Acq: 06 Dec 2021 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBL01

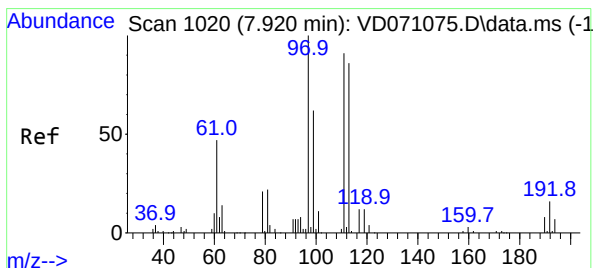
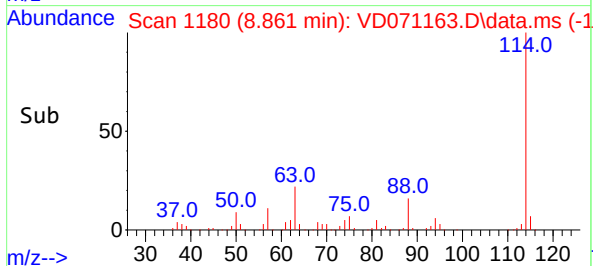
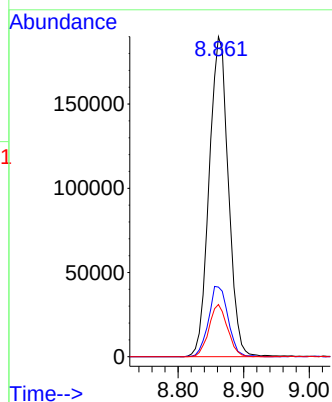
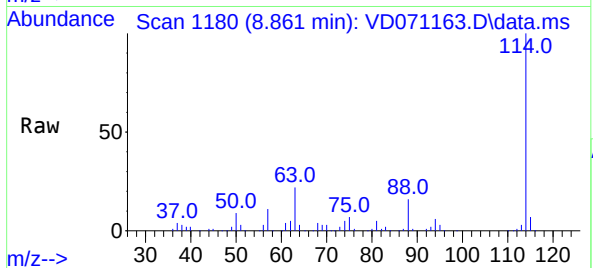
Tgt Ion:114 Resp: 386647

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.539 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071163.D

Acq: 06 Dec 2021 10:59

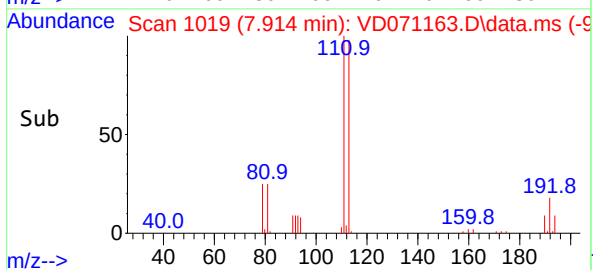
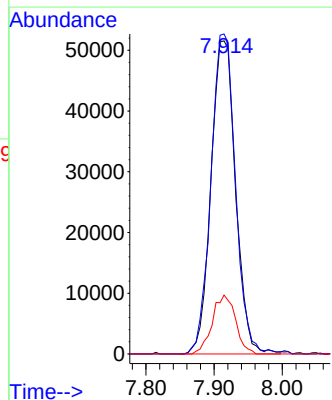
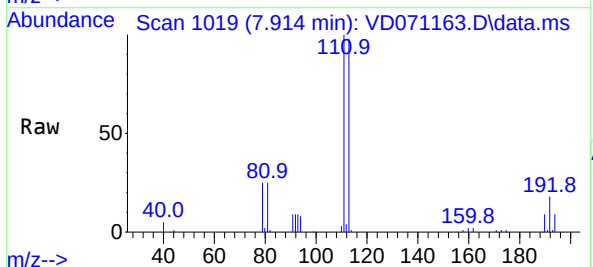
Tgt Ion:113 Resp: 129358

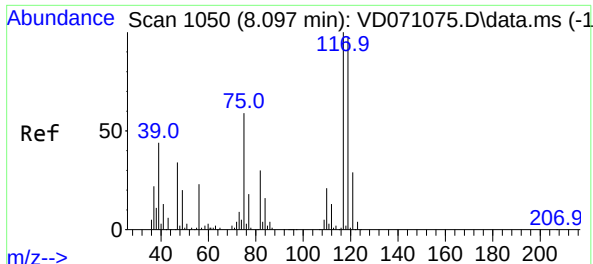
Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 17.8 15.2 22.8

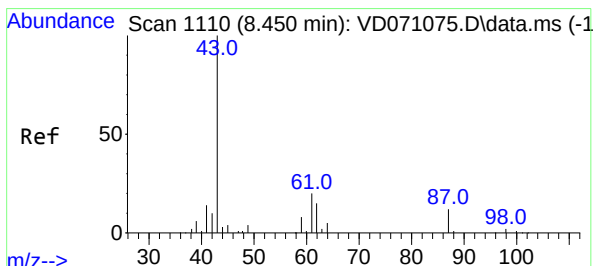
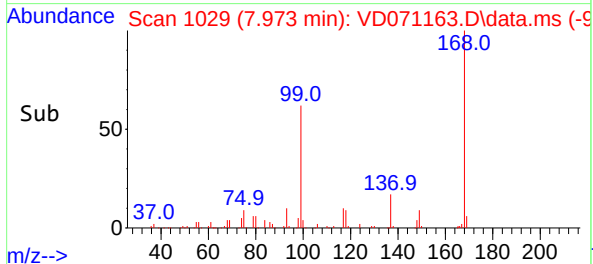
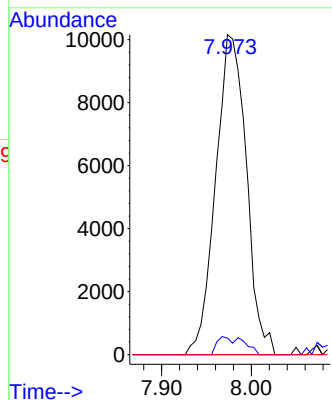
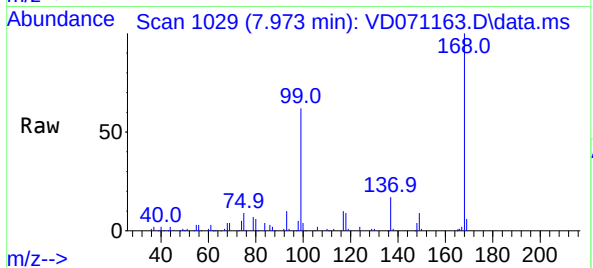




#38
Carbon Tetrachloride
Concen: 6.773 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

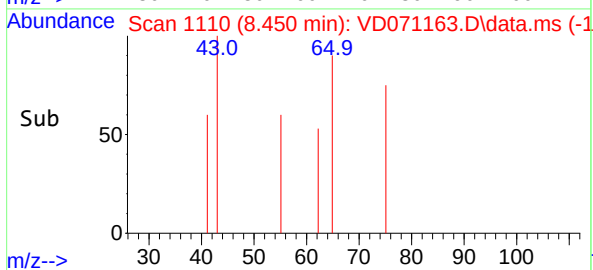
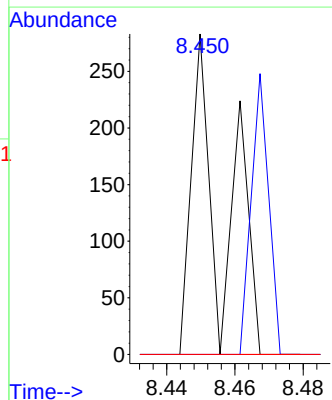
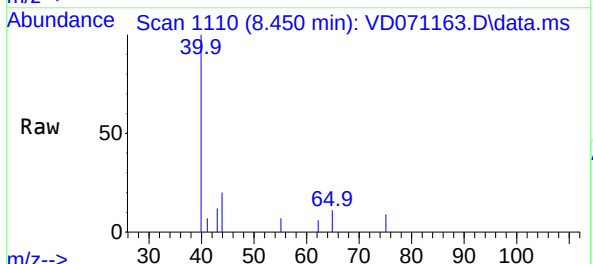
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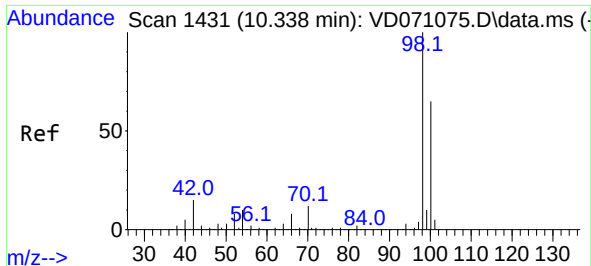
Tgt Ion:117 Resp: 24126
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.270 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

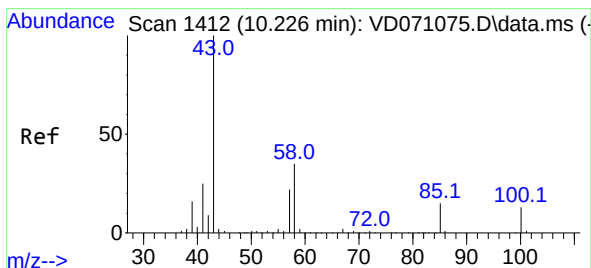
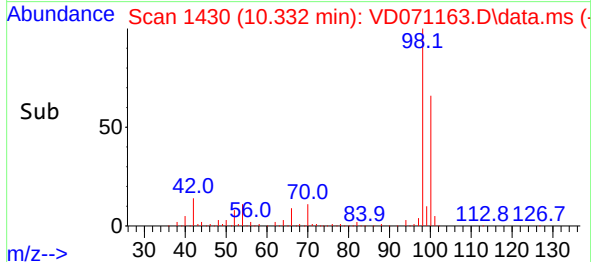
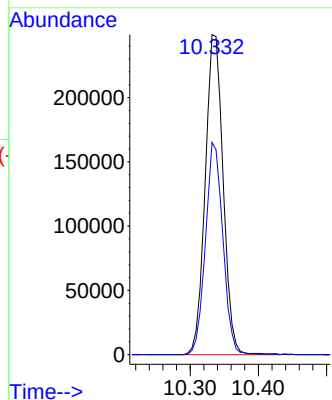
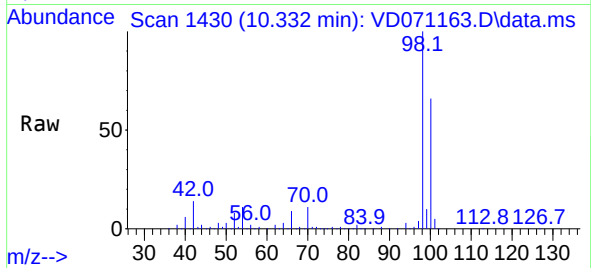




#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

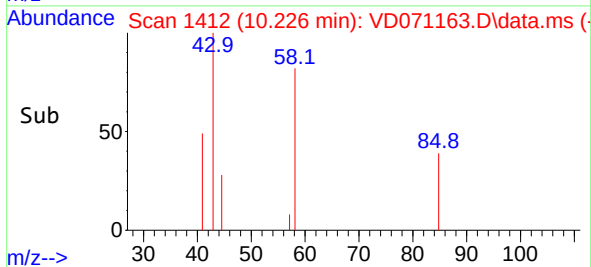
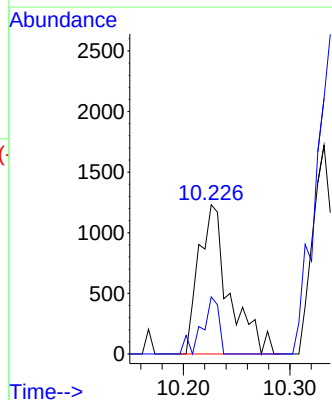
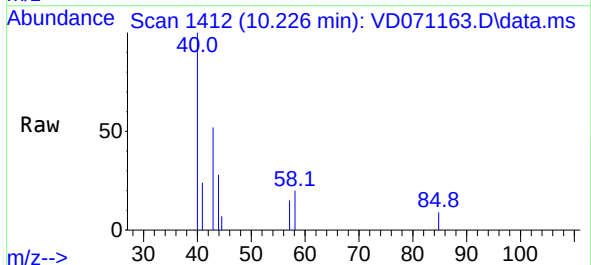
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

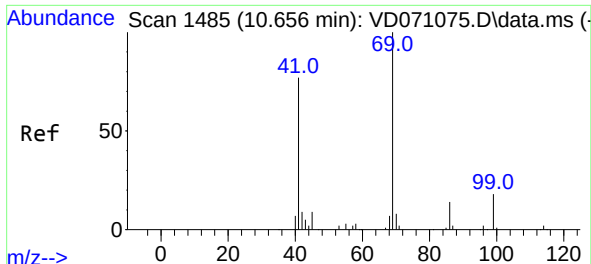
Tgt Ion: 98 Resp: 455794
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.864 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 21.1 33.1 49.7#

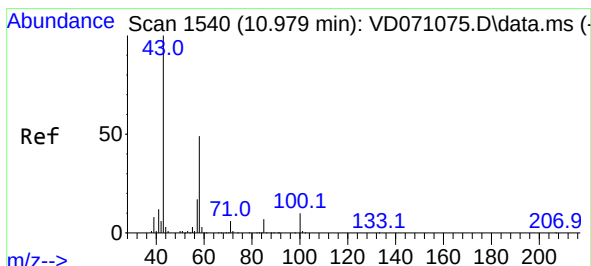
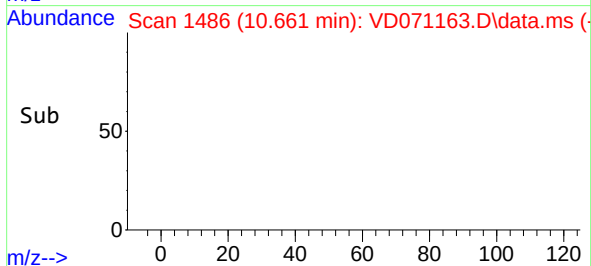
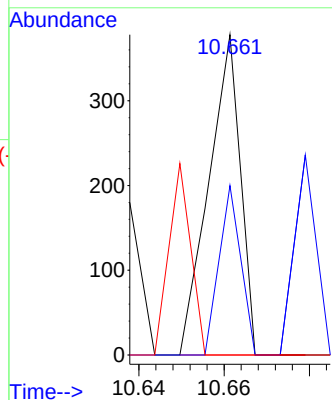
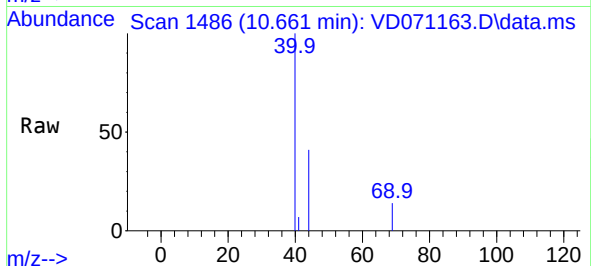




#56
Ethyl methacrylate
Concen: 6.038 ug/l
RT: 10.661 min Scan# 1485
Delta R.T. 0.005 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

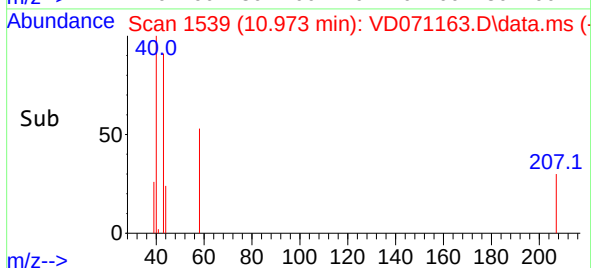
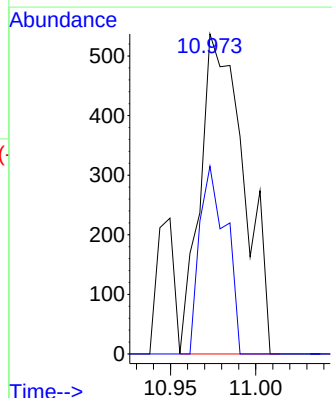
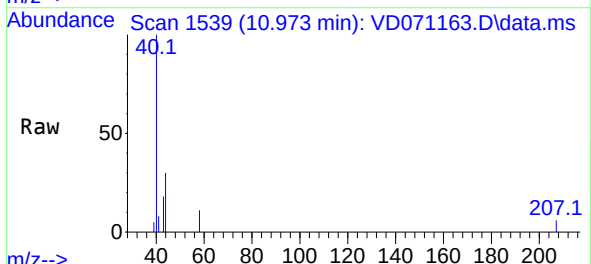
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

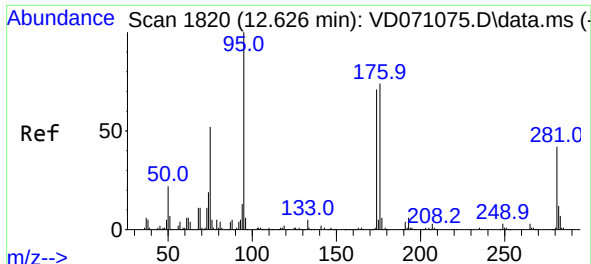
Tgt Ion: 69 Resp: 194
Ion Ratio Lower Upper
69 100
41 36.6 50.2 75.2#
39 41.2 19.8 29.8#



#59
2-Hexanone
Concen: 35.196 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 35.7 28.7 86.1

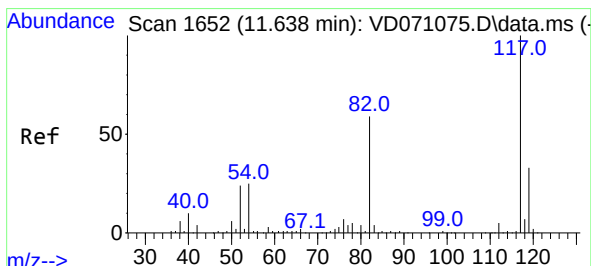
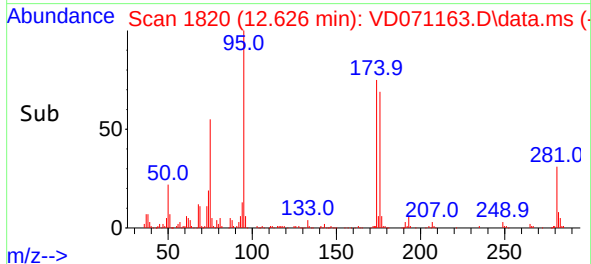
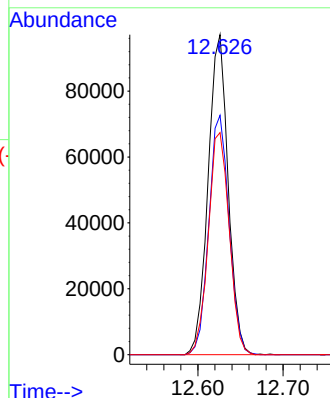
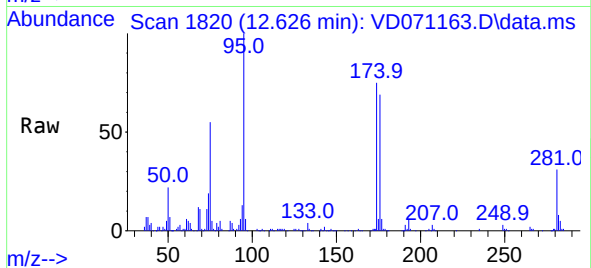




#62
4-Bromofluorobenzene
Concen: 48.968 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

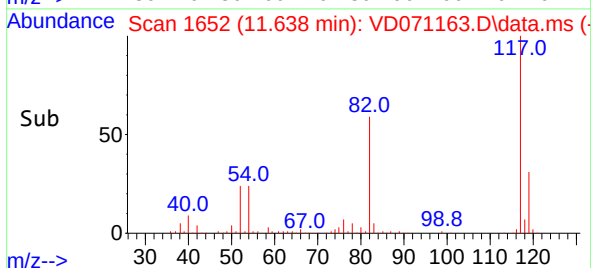
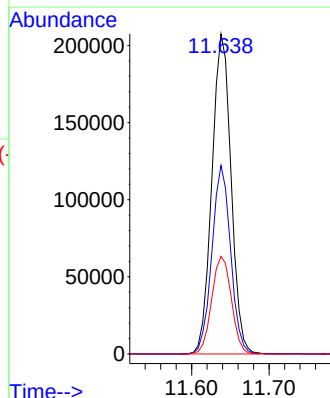
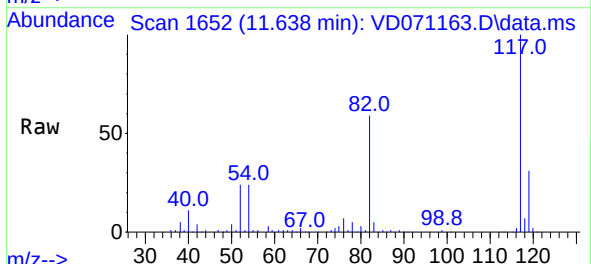
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

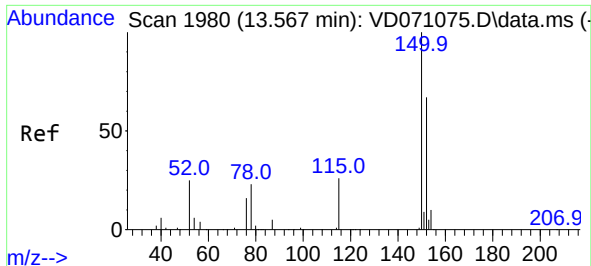
Tgt Ion: 95 Resp: 159041
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 72.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 117 Resp: 357110
Ion Ratio Lower Upper
117 100
82 58.9 44.7 67.1
119 30.5 26.2 39.4

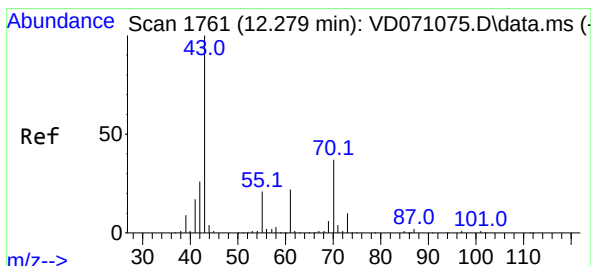
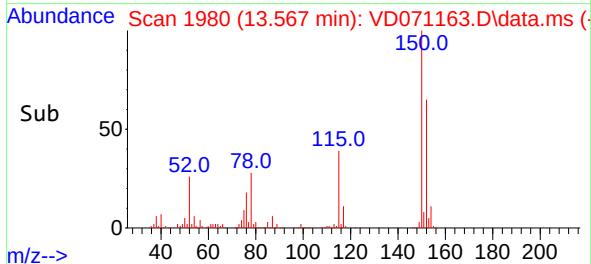
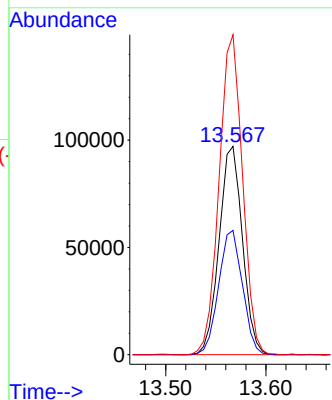
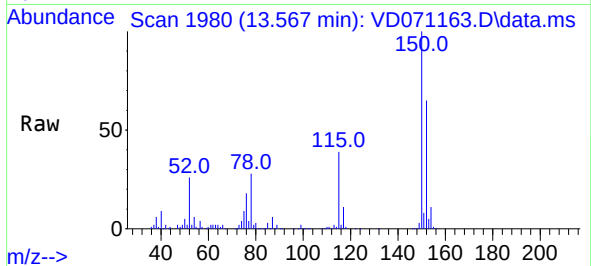




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

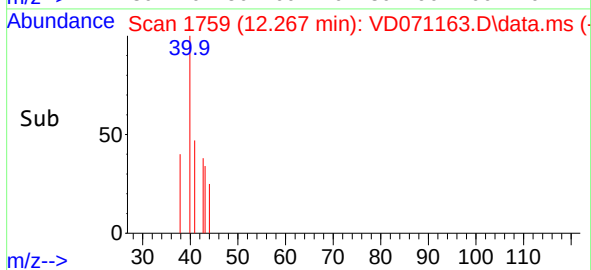
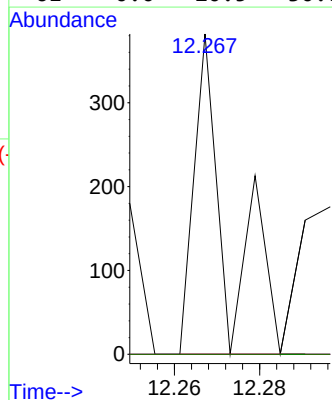
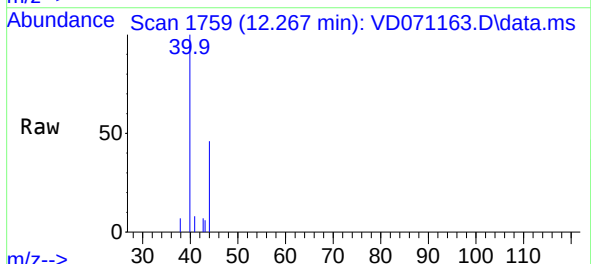
Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

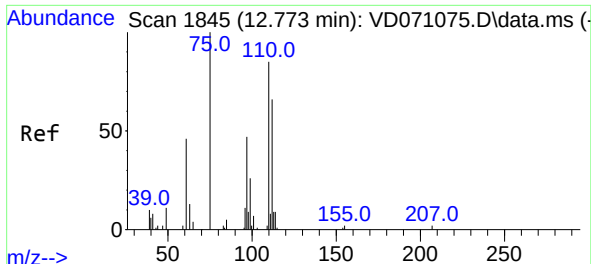
Tgt Ion:152 Resp: 157069
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 153.9 0.0 349.2



#74
N-ethyl acetate
Concen: 5.761 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 43 Resp: 210
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#

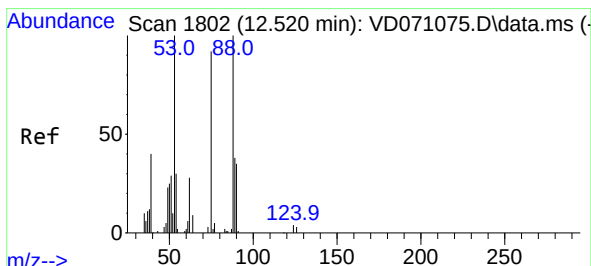
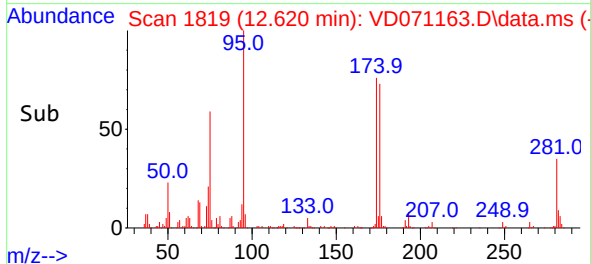
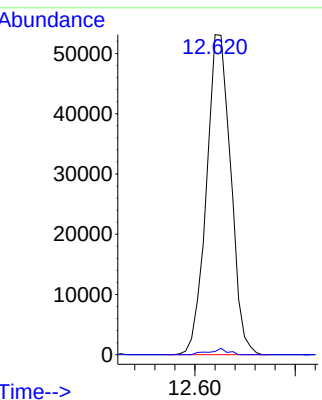
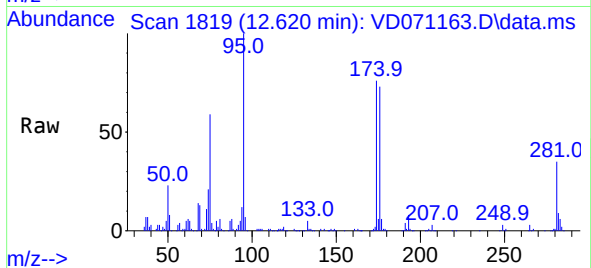




#76
1,2,3-Trichloropropane
Concen: 59.669 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBL01

Tgt Ion: 75 Resp: 89294
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.220 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071163.D
Acq: 06 Dec 2021 10:59

Tgt Ion: 75 Resp: 89294
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.6 34.5 51.7#

