

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071264.D
 Acq On : 11 Dec 2021 12:25
 Operator : VA/SY
 Sample : VD1211SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:50:06 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)

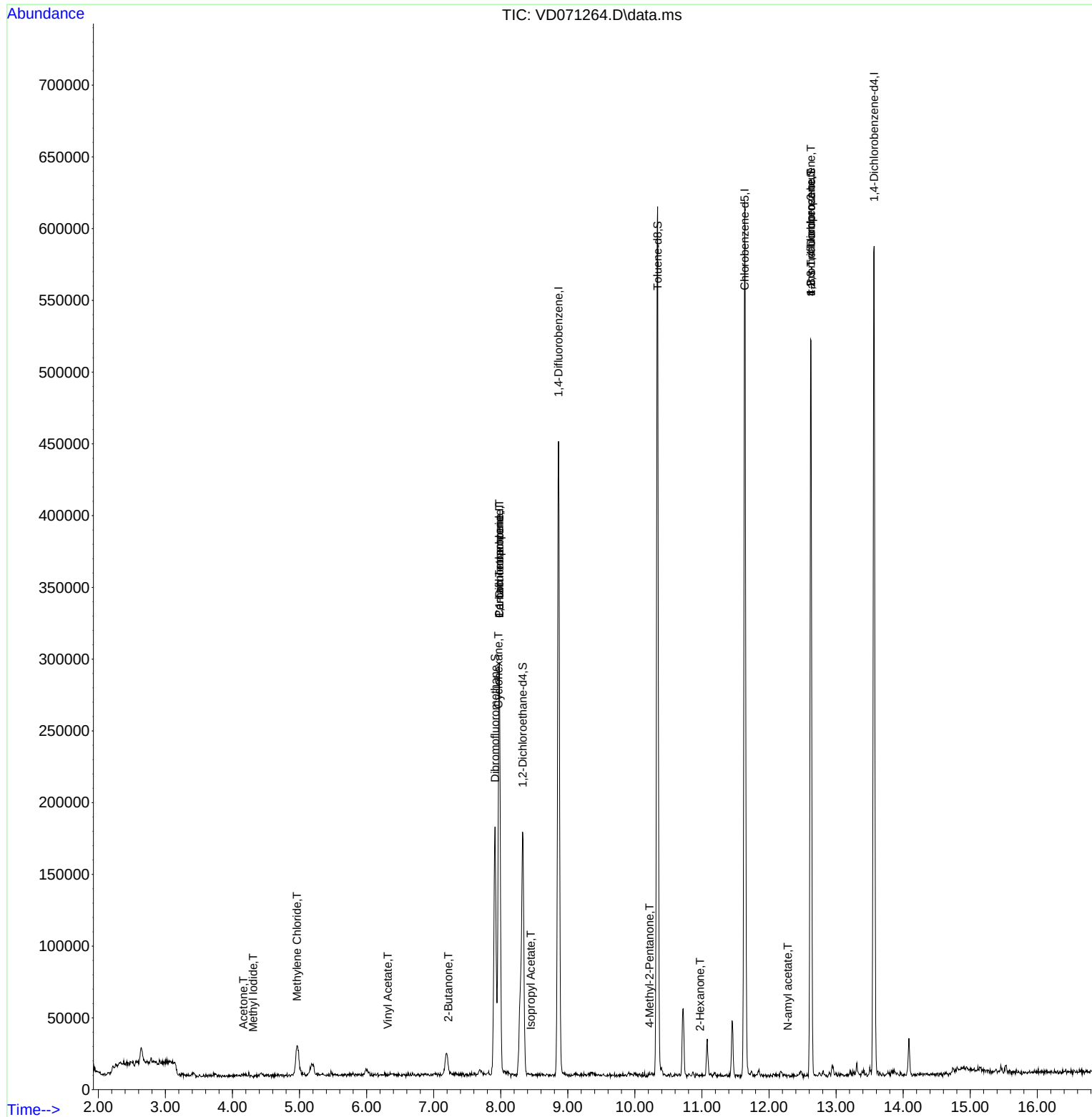
Internal Standards						
1) Pentafluorobenzene	7.979	168	198553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	352656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	323816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	142550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	126729	54.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.800%			
35) Dibromofluoromethane	7.914	113	115881	51.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.338	98	390989	45.751	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.500%			
62) 4-Bromofluorobenzene	12.626	95	139391	47.054	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.100%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	116	4.606	ug/l #	81
11) Tert butyl alcohol	5.197	59	7649	Below Cal	#	73
16) Acetone	4.162	43	3034	35.096	ug/l #	62
20) Methylene Chloride	4.962	84	14702	2.266	ug/l	89
23) Vinyl Acetate	6.314	43	364	27.304	ug/l #	72
25) 2-Butanone	7.220	43	568	29.064	ug/l #	45
31) Cyclohexane	7.967	56	7002	1.767	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	18242	5.535	ug/l #	45
38) Carbon Tetrachloride	7.979	117	19729	6.072	ug/l #	19
41) Methacrylonitrile	7.514	41	57	Below Cal	#	12
43) Isopropyl Acetate	8.450	43	68	5.242	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1766	31.617	ug/l #	34
59) 2-Hexanone	10.973	43	557	34.971	ug/l #	54
74) N-amyl acetate	12.279	43	307	5.797	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	76760	56.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	76760	122.700	ug/l #	19

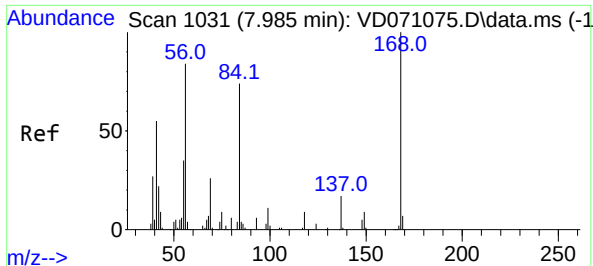
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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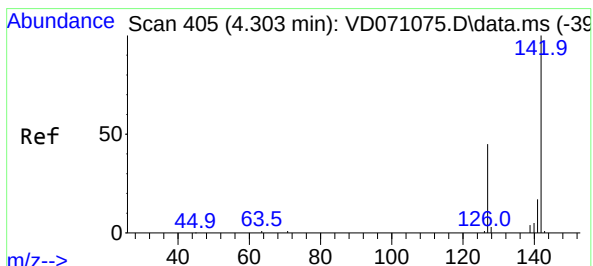
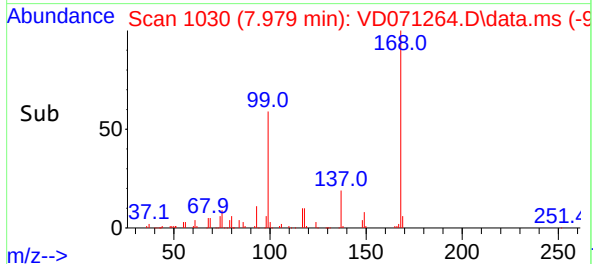
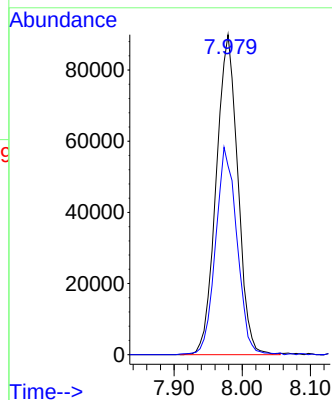
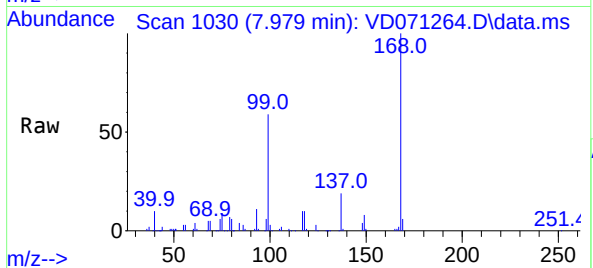




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

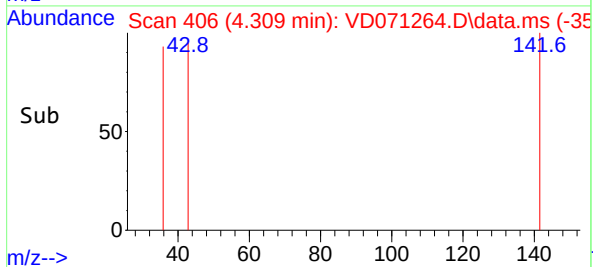
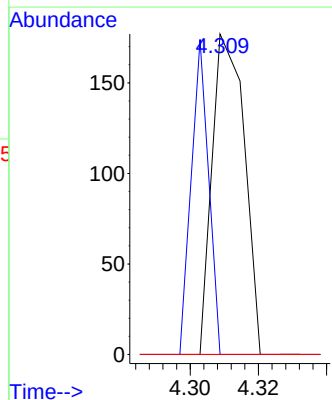
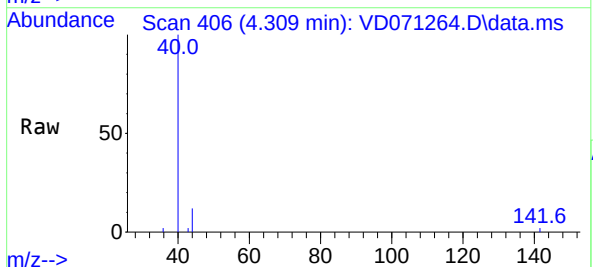
Instrument :
MSVOA_D
ClientSampleId :

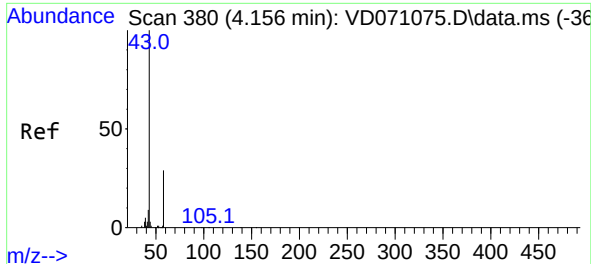
Tgt Ion:168 Resp: 198553
Ion Ratio Lower Upper
168 100
99 58.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.606 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 52.6 35.0 52.4#
141 0.0 12.0 18.0#





#16

Acetone

Concen: 35.096 ug/l

RT: 4.162 min Scan# 30

Delta R.T. 0.006 min

Lab File: VD071264.D

Acq: 11 Dec 2021 12:25

Instrument :

MSVOA_D

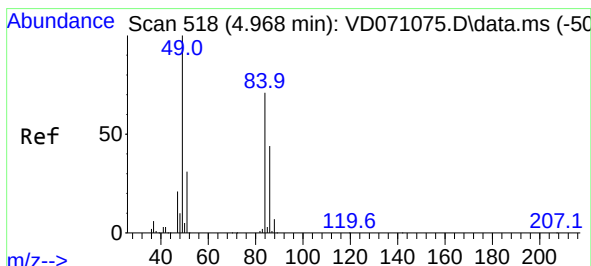
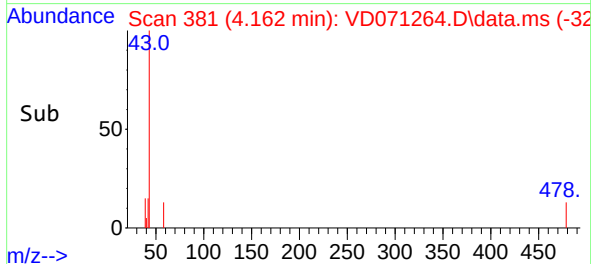
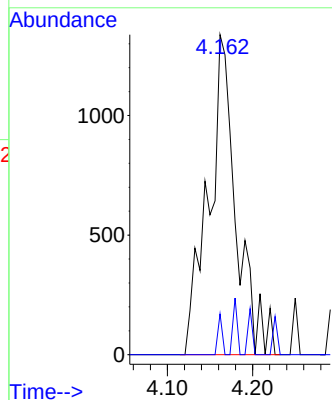
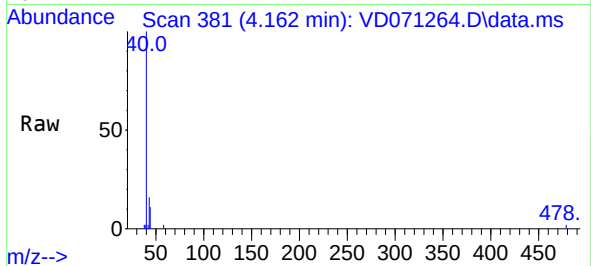
ClientSampleId :

Tgt Ion: 43 Resp: 3034

Ion Ratio Lower Upper

43 100

58 12.8 27.8 41.8#



#20

Methylene Chloride

Concen: 2.266 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD071264.D

Acq: 11 Dec 2021 12:25

Tgt Ion: 84 Resp: 14702

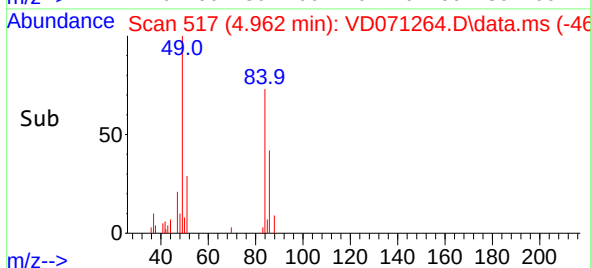
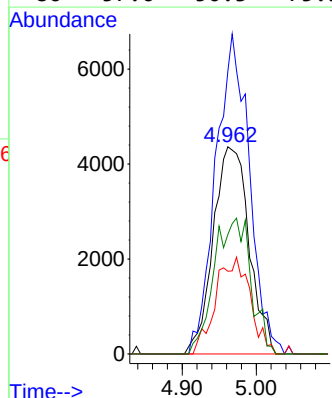
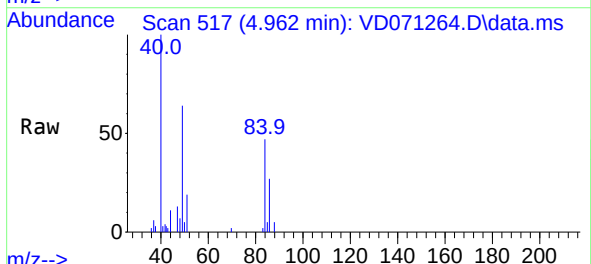
Ion Ratio Lower Upper

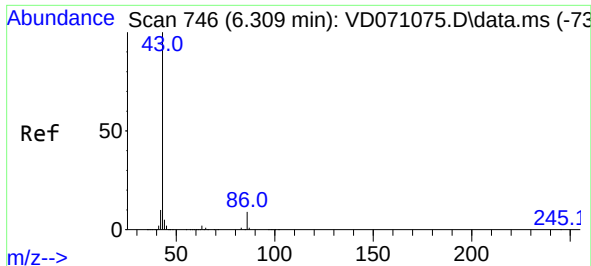
84 100

49 136.5 95.8 143.6

51 39.9 30.9 46.3

86 57.6 50.3 75.5

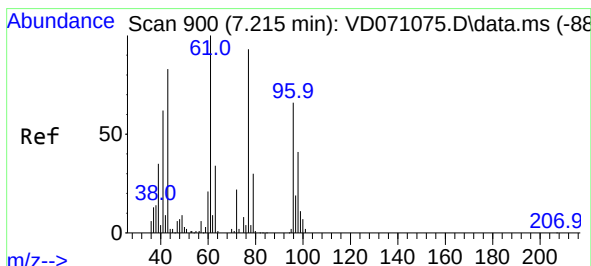
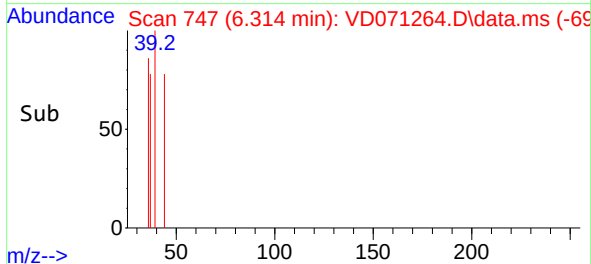
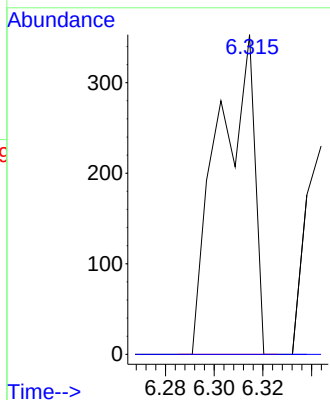
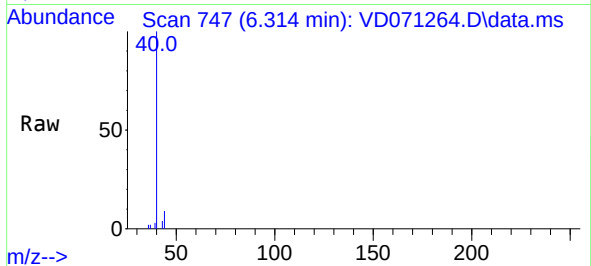




#23
 Vinyl Acetate
 Concen: 27.304 ug/l
 RT: 6.314 min Scan# 746
 Delta R.T. 0.005 min
 Lab File: VD071264.D
 Acq: 11 Dec 2021 12:25

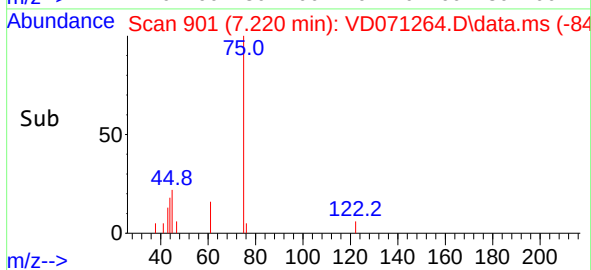
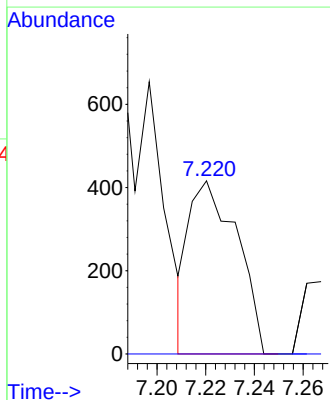
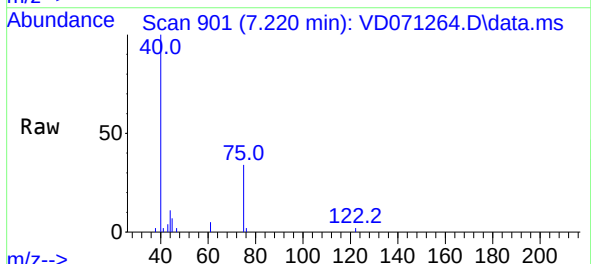
Instrument :
 MSVOA_D
 ClientSampleId :

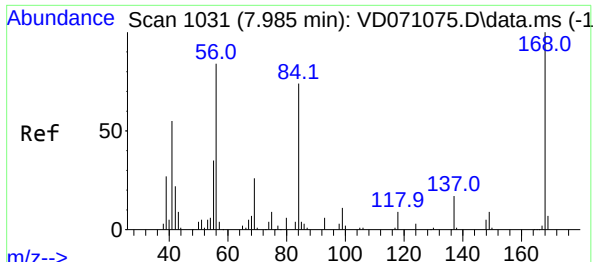
Tgt Ion: 43 Resp: 364
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.064 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071264.D
 Acq: 11 Dec 2021 12:25

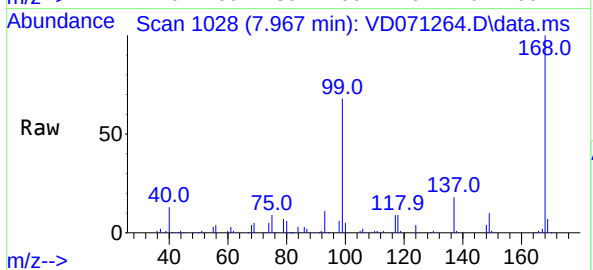
Tgt Ion: 43 Resp: 568
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



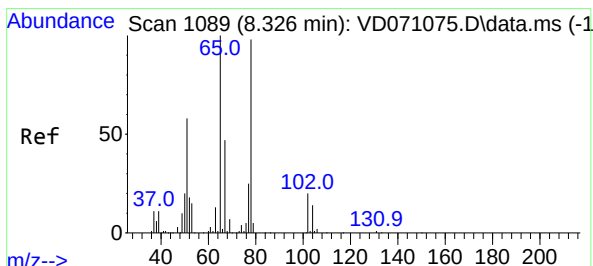
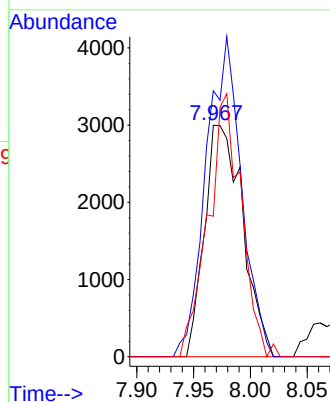
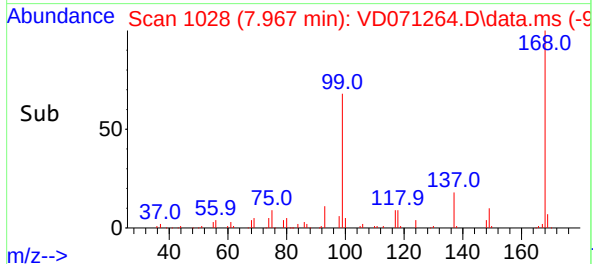


#31
Cyclohexane
Concen: 1.767 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Instrument :
MSVOA_D
ClientSampleId :

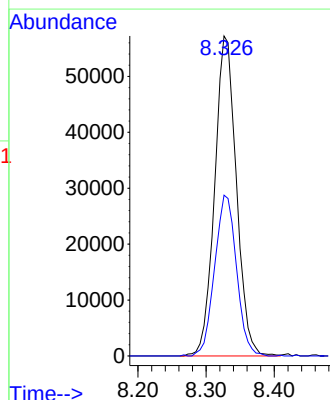
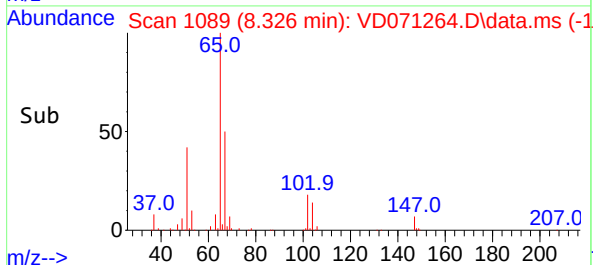
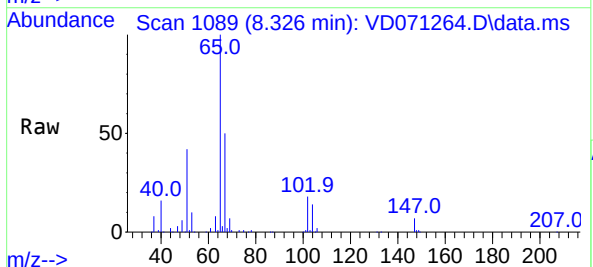


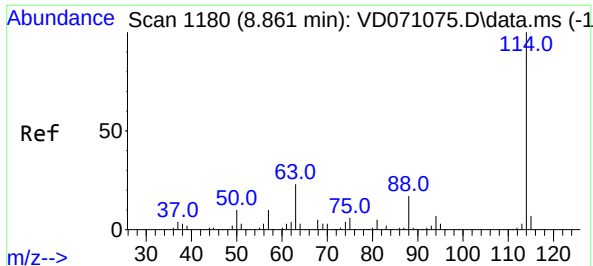
Tgt Ion: 56 Resp: 7002
Ion Ratio Lower Upper
56 100
69 114.9 25.9 38.9#
84 60.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 54.395 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion: 65 Resp: 126729
Ion Ratio Lower Upper
65 100
67 50.6 0.0 112.2

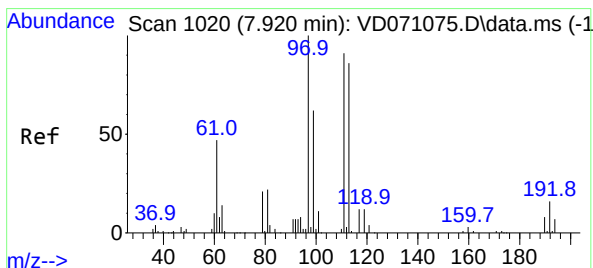
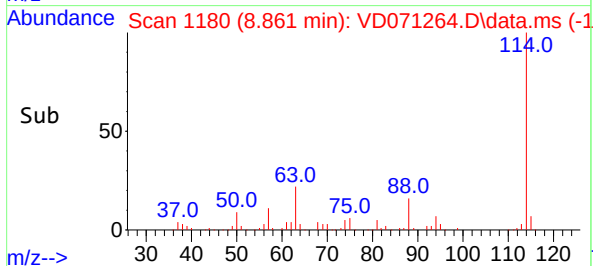
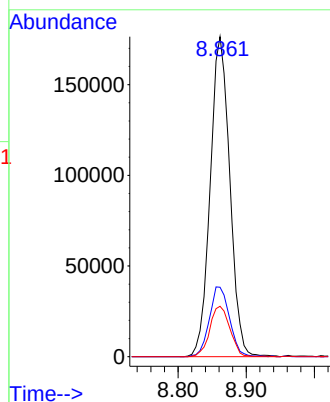
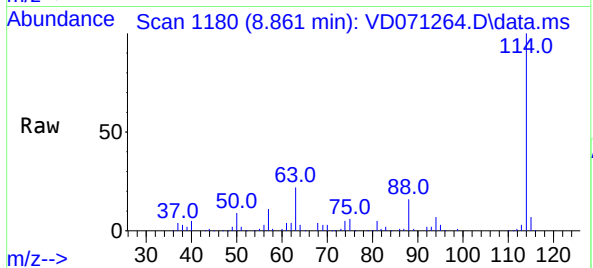




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

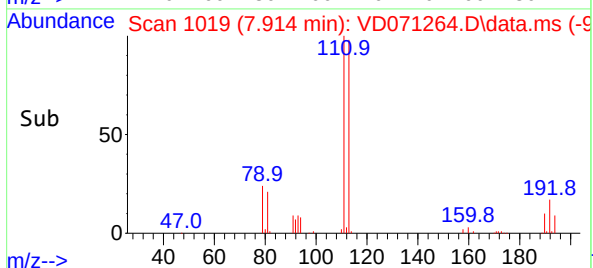
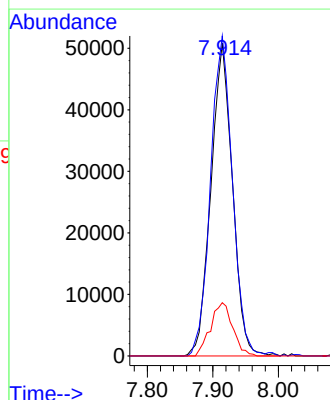
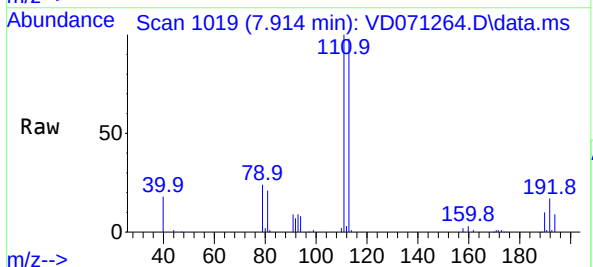
Instrument :
MSVOA_D
ClientSampleId :

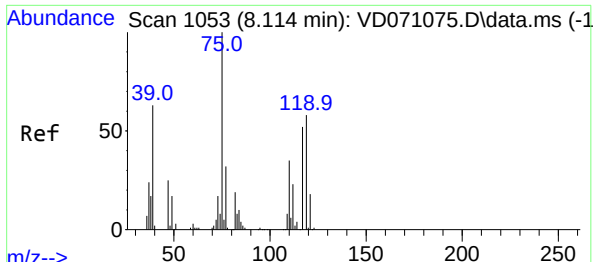
Tgt Ion:114 Resp: 352656
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 15.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.602 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion:113 Resp: 115881
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 17.5 15.2 22.8

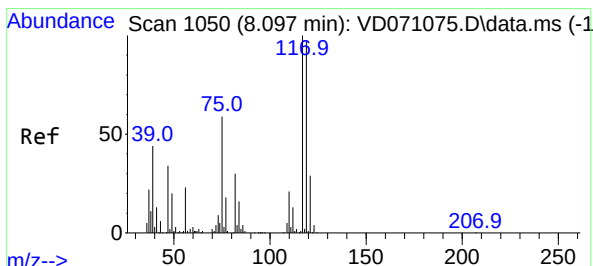
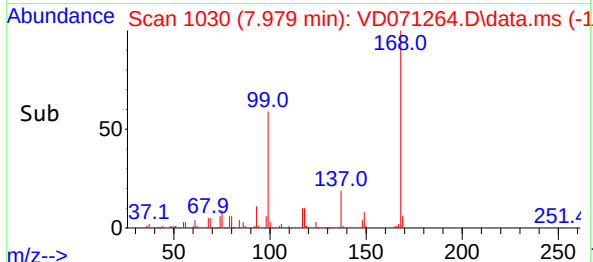
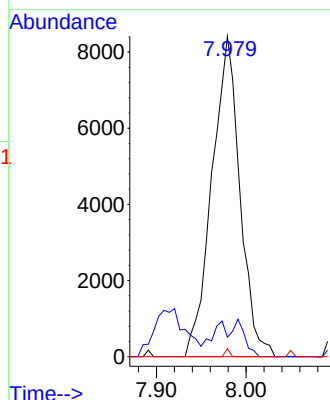
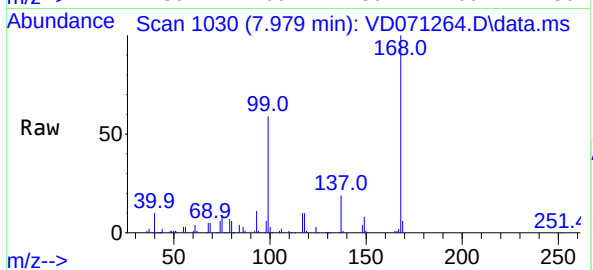




#36
1,1-Dichloropropene
Concen: 5.535 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

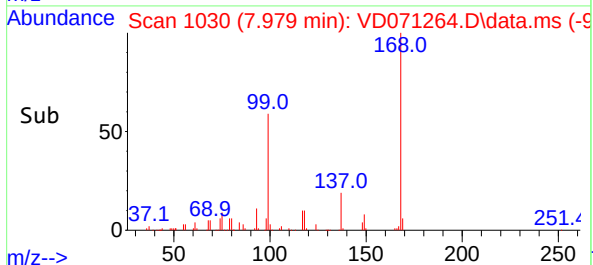
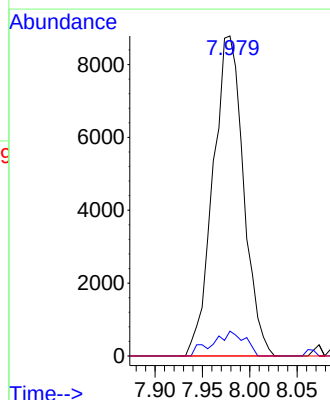
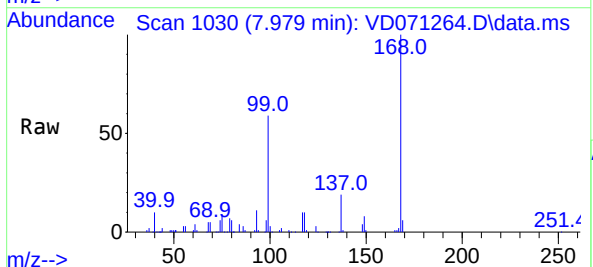
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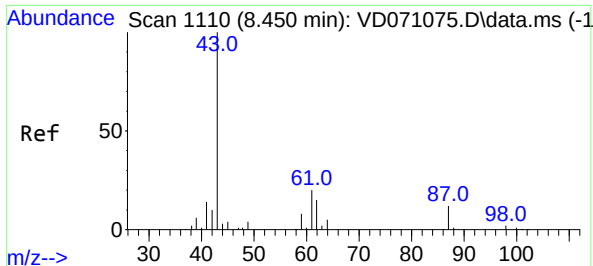
Tgt Ion: 75 Resp: 18242
Ion Ratio Lower Upper
75 100
110 3.4 17.8 53.4#
77 0.4 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion: 117 Resp: 19729
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.242 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

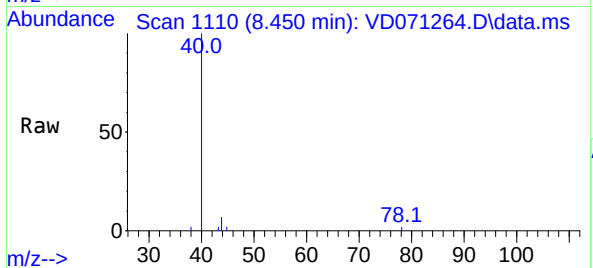
Lab File: VD071264.D

Acq: 11 Dec 2021 12:25

Instrument :

MSVOA_D

ClientSampleId :



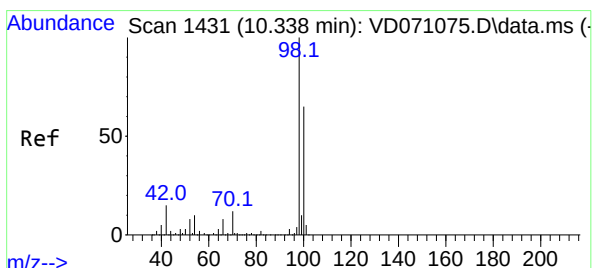
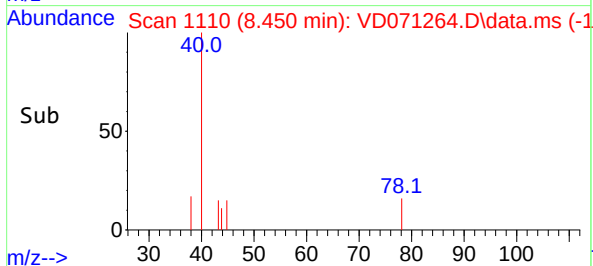
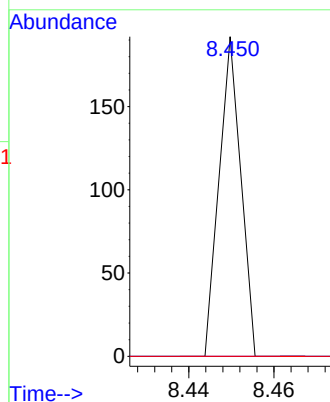
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 45.751 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071264.D

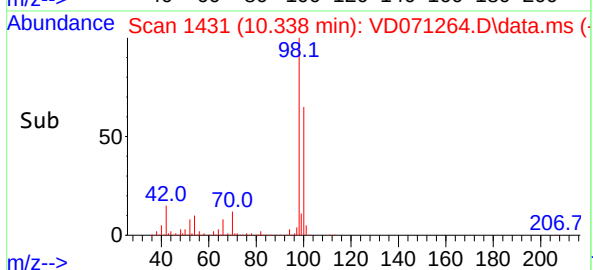
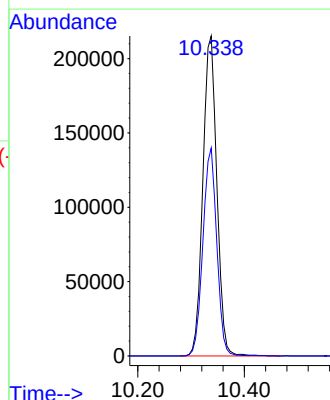
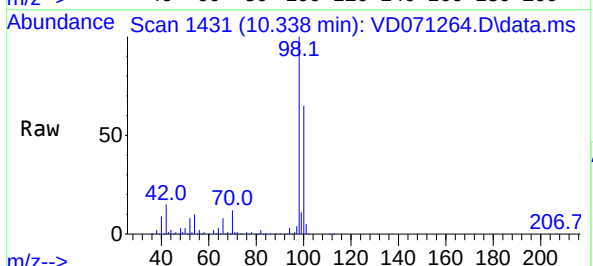
Acq: 11 Dec 2021 12:25

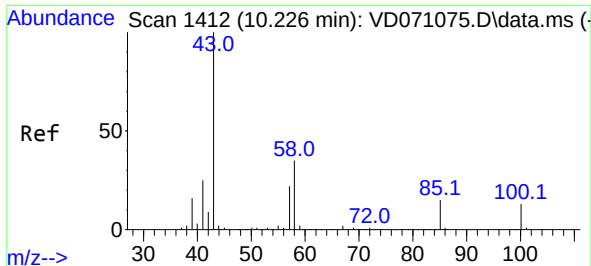
Tgt Ion: 98 Resp: 390989

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.6

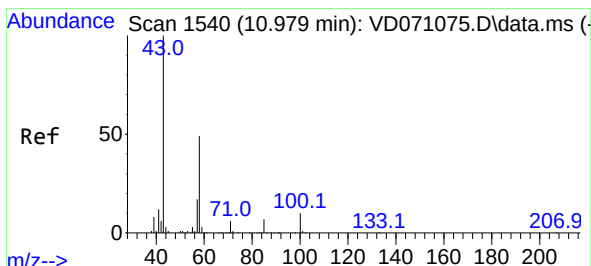
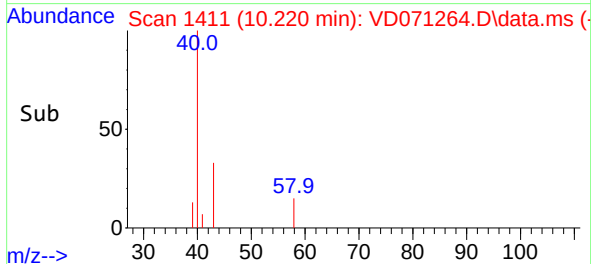
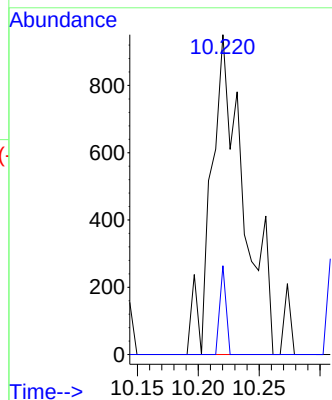
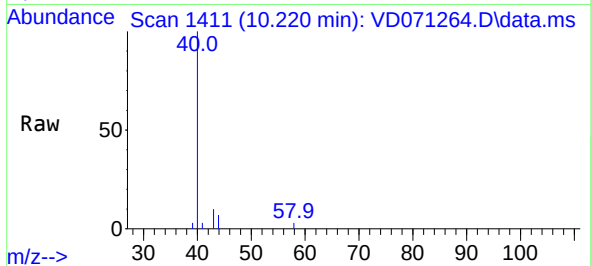




#51
4-Methyl-2-Pentanone
Concen: 31.617 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

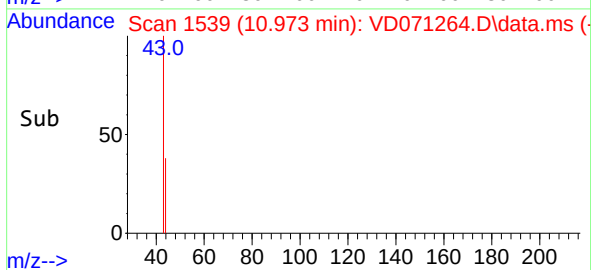
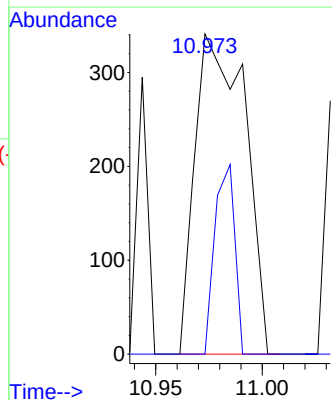
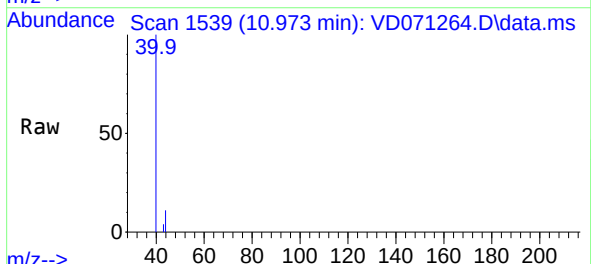
Instrument :
MSVOA_D
ClientSampleId :

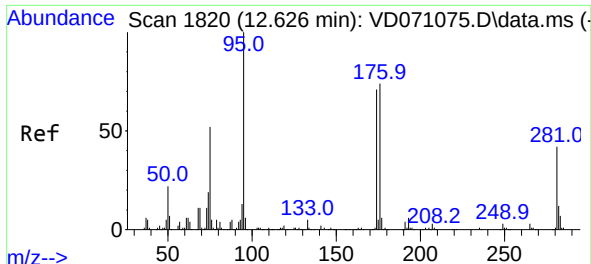
Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.971 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 23.5 28.7 86.1#

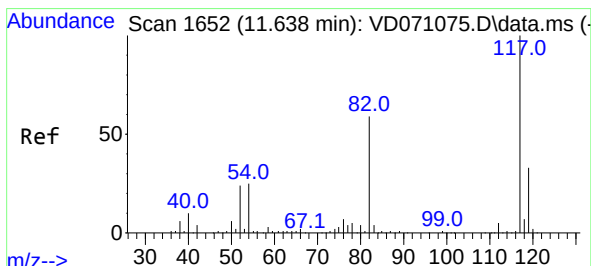
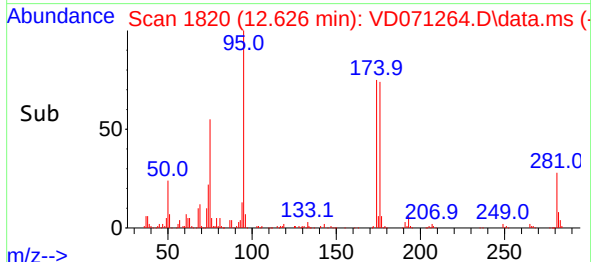
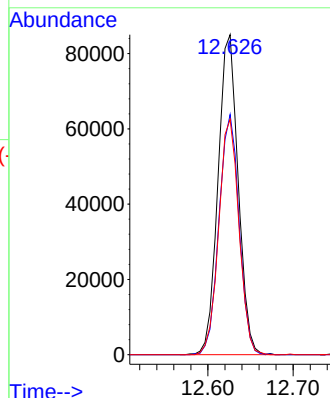
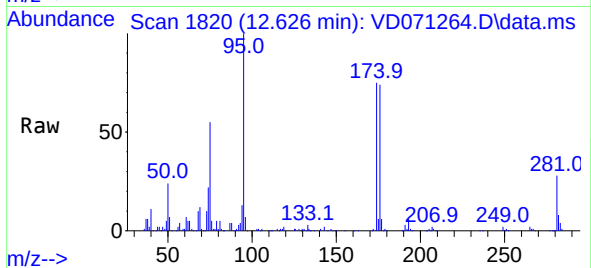




#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

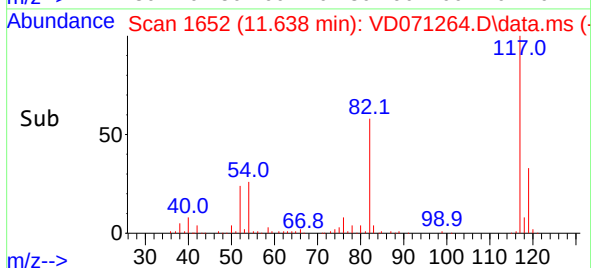
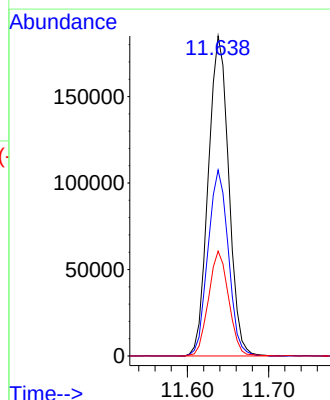
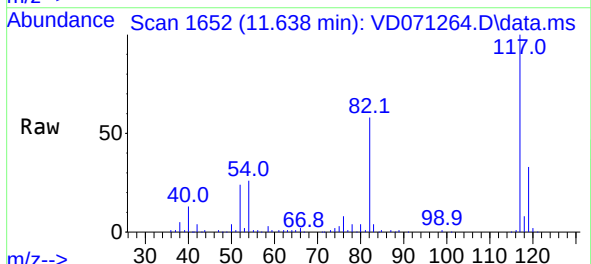
Instrument :
MSVOA_D
ClientSampleId :

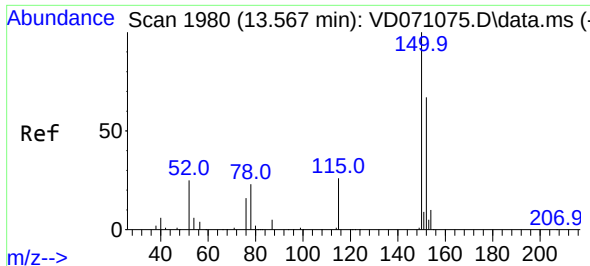
Tgt Ion: 95 Resp: 139391
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 73.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

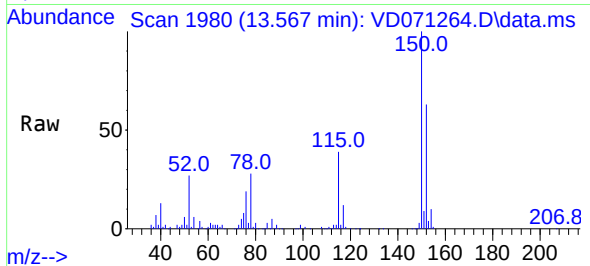
Tgt Ion: 117 Resp: 323816
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 32.7 26.2 39.4



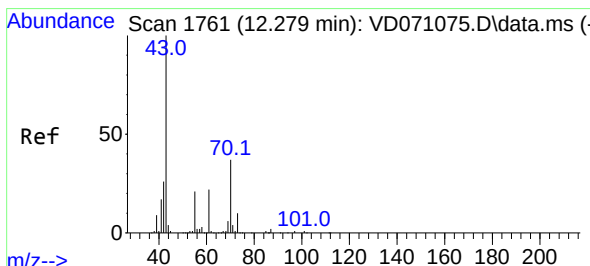
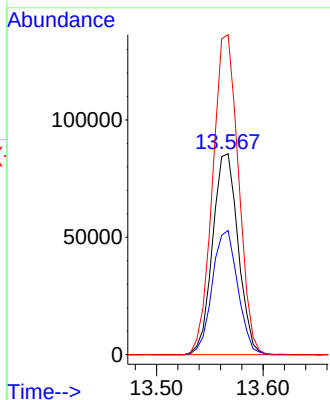
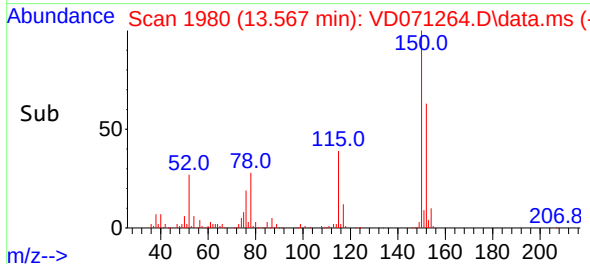


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

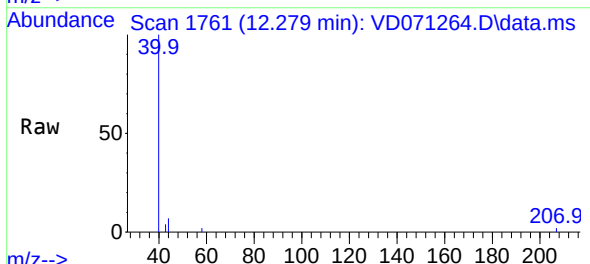
Instrument :
MSVOA_D
ClientSampleId :



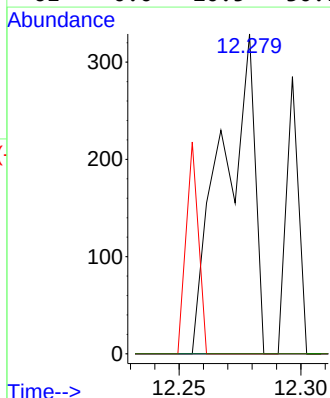
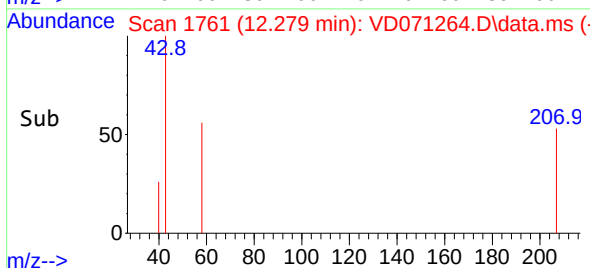
Tgt Ion:152 Resp: 142550
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 160.7 0.0 349.2

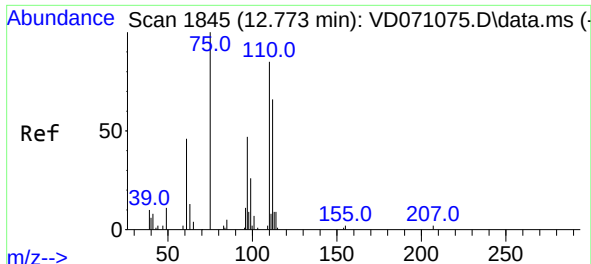


#74
N-ethyl acetate
Concen: 5.797 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25



Tgt Ion: 43 Resp: 307
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#

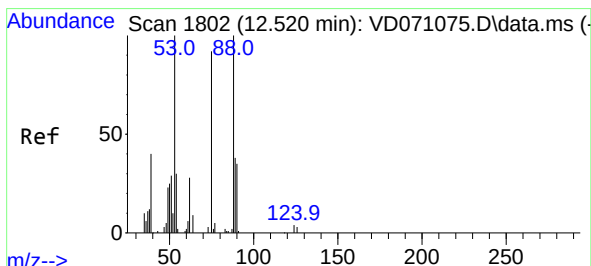
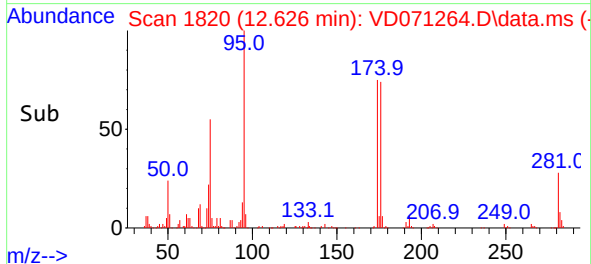
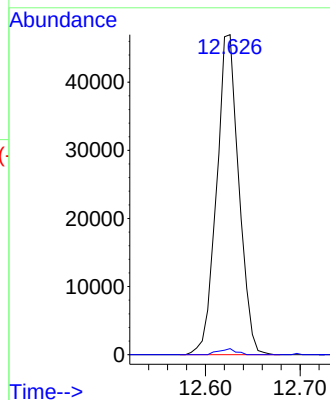
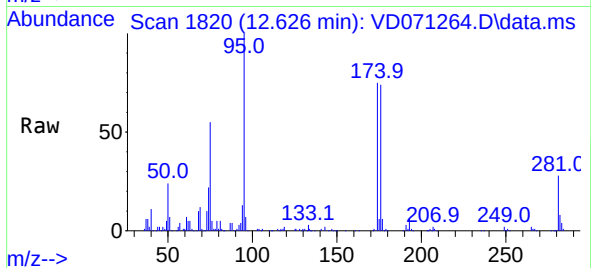




#76
1,2,3-Trichloropropane
Concen: 56.518 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 76760
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.700 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071264.D
Acq: 11 Dec 2021 12:25

Tgt Ion: 75 Resp: 76760
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.8 34.5 51.7#

