

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071389.D
 Acq On : 20 Dec 2021 13:48
 Operator : VA/SY
 Sample : VD1220SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 20:51:56 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)

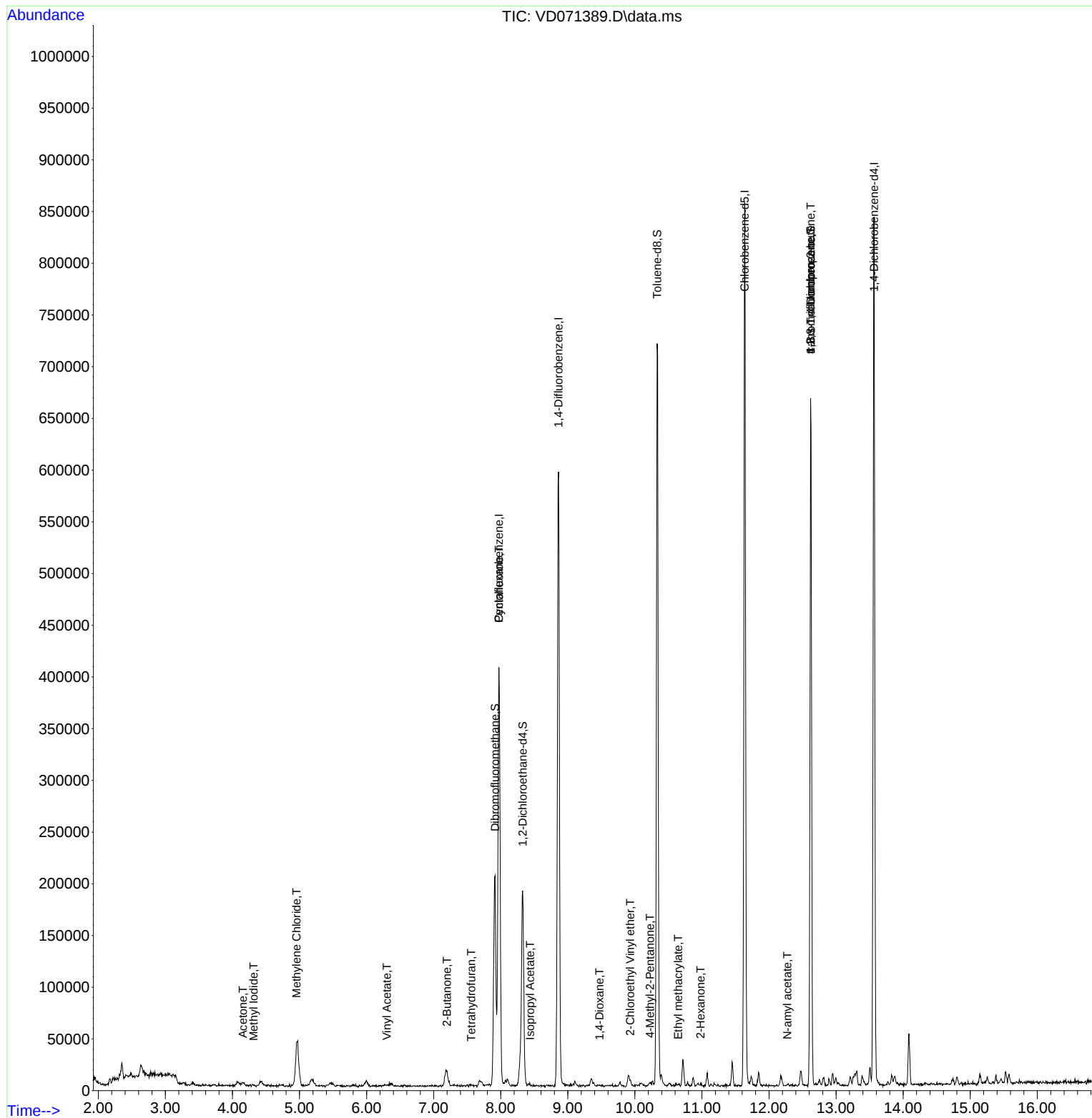
Internal Standards						
1) Pentafluorobenzene	7.973	168	281453	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	489107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	445428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	205034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	149031	45.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.260%		
35) Dibromofluoromethane	7.914	113	142163	45.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.332	98	469118	39.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.160%		
62) 4-Bromofluorobenzene	12.620	95	168049	40.902	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.800%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	1006	4.838	ug/l #	55
11) Tert butyl alcohol	5.185	59	4316	Below Cal	#	71
16) Acetone	4.156	43	6010	36.805	ug/l	96
20) Methylene Chloride	4.956	84	30819	5.534	ug/l	87
23) Vinyl Acetate	6.303	43	1299	27.434	ug/l #	72
25) 2-Butanone	7.197	43	319	28.638	ug/l #	44
29) Tetrahydrofuran	7.562	42	912	1.739	ug/l #	56
31) Cyclohexane	7.973	56	10035	1.786	ug/l #	51
41) Methacrylonitrile	7.485	41	89	Below Cal	#	12
43) Isopropyl Acetate	8.438	43	379	5.301	ug/l #	74
49) 1,4-Dioxane	9.473	88	205	12.535	ug/l #	46
51) 4-Methyl-2-Pentanone	10.226	43	2992	31.831	ug/l #	58
56) Ethyl methacrylate	10.644	69	775	6.184	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.932	63	1604	1.061	ug/l #	84
59) 2-Hexanone	10.979	43	1572	35.381	ug/l	68
74) N-amyl acetate	12.273	43	1445	6.016	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	97074	49.693	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	97074	108.581	ug/l #	18

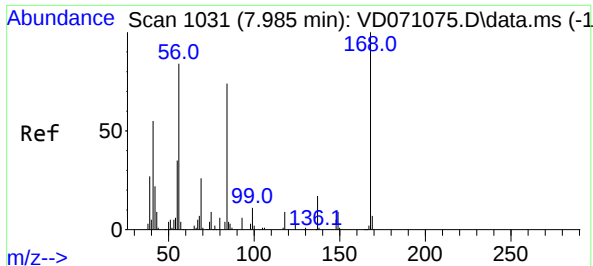
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 20:51:56 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

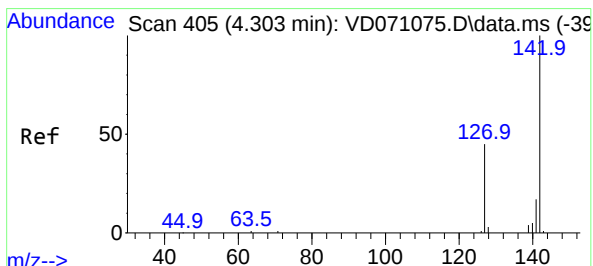
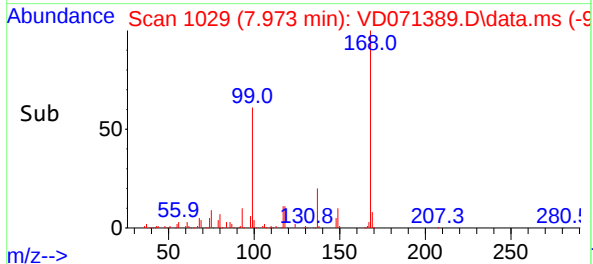
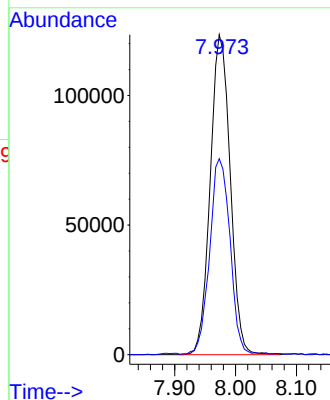
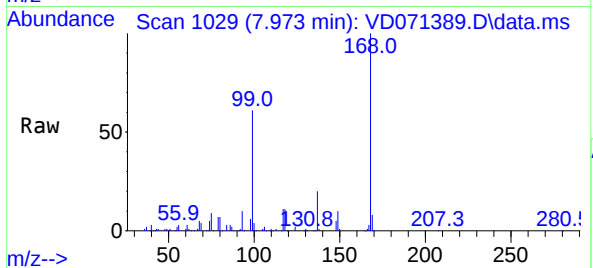




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

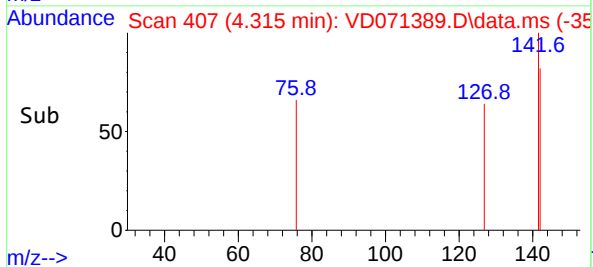
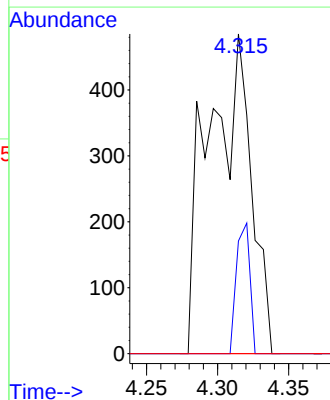
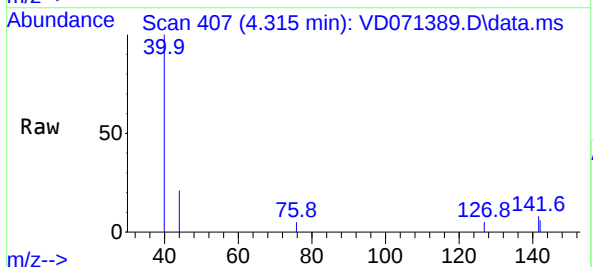
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 281453
Ion Ratio Lower Upper
168 100
99 61.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.838 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion:142 Resp: 1006
Ion Ratio Lower Upper
142 100
127 12.9 35.0 52.4#
141 0.0 12.0 18.0#

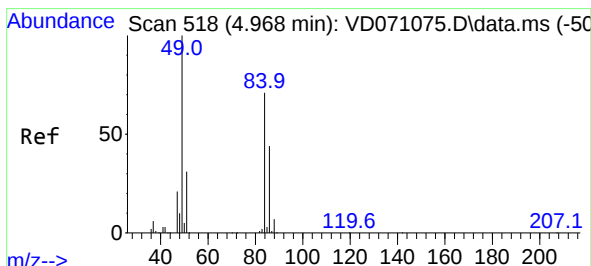
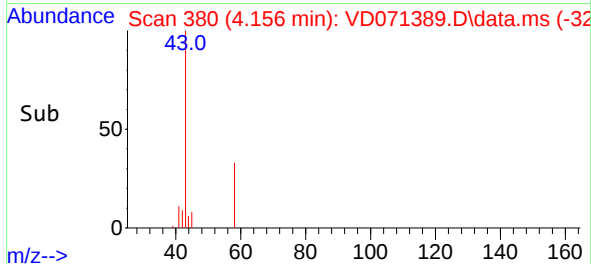
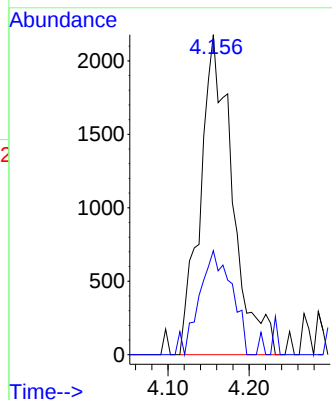
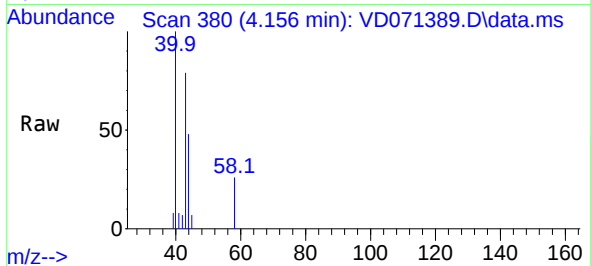




#16
Acetone
Concen: 36.805 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

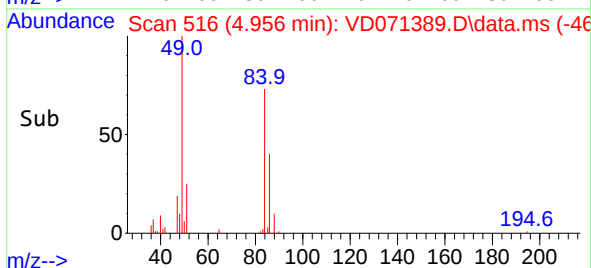
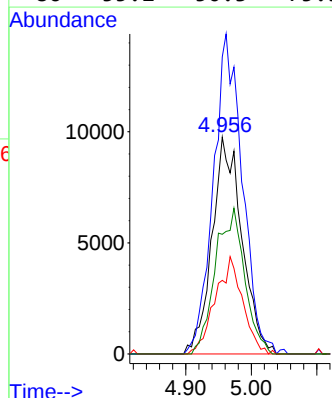
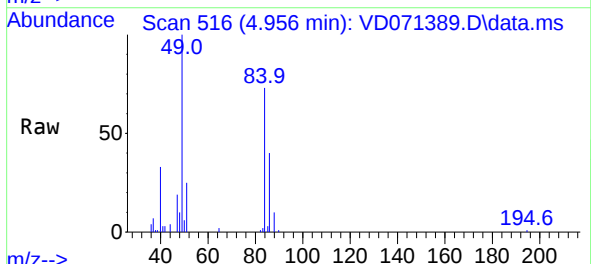
Instrument :
MSVOA_D
ClientSampleId :

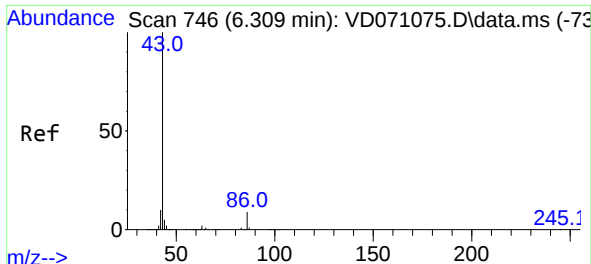
Tgt Ion: 43 Resp: 6010
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.8



#20
Methylene Chloride
Concen: 5.534 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion: 84 Resp: 30819
Ion Ratio Lower Upper
84 100
49 137.1 95.8 143.6
51 34.0 30.9 46.3
86 55.2 50.3 75.5

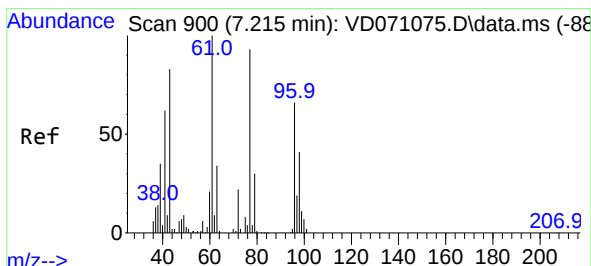
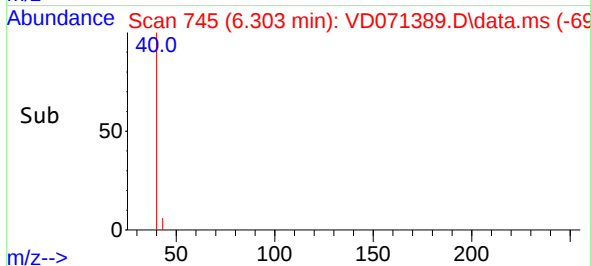
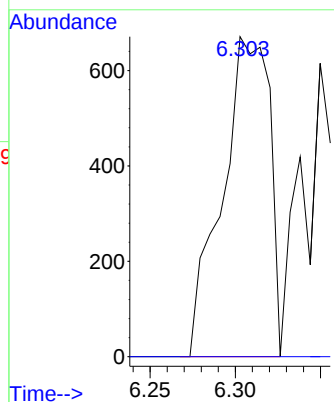
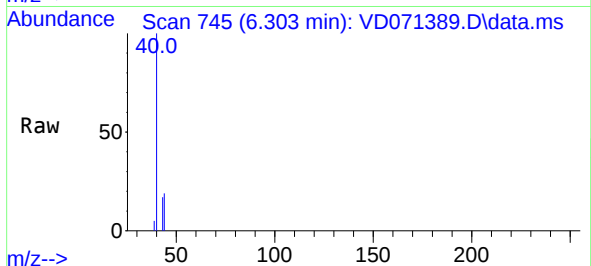




#23
 Vinyl Acetate
 Concen: 27.434 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071389.D
 Acq: 20 Dec 2021 13:48

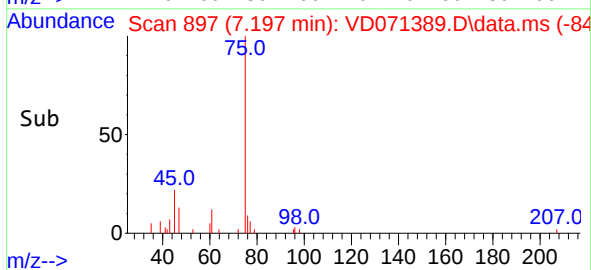
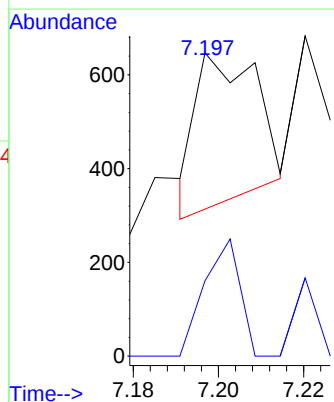
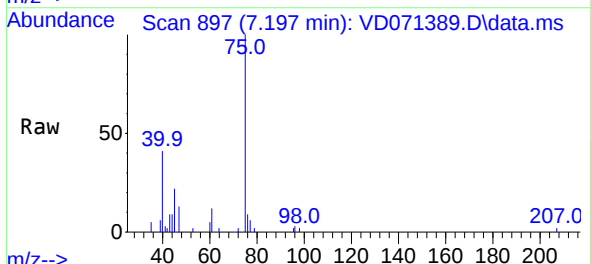
Instrument :
 MSVOA_D
 ClientSampleId :

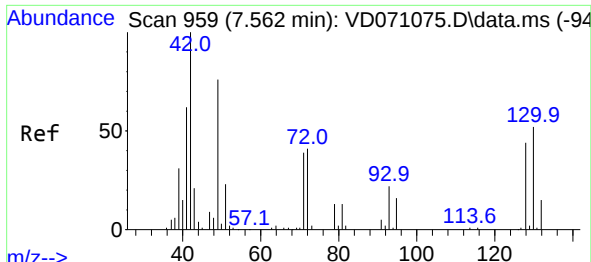
Tgt Ion: 43 Resp: 1299
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.638 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071389.D
 Acq: 20 Dec 2021 13:48

Tgt Ion: 43 Resp: 319
 Ion Ratio Lower Upper
 43 100
 72 60.1 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.739 ug/l

RT: 7.562 min Scan# 912

Delta R.T. -0.000 min

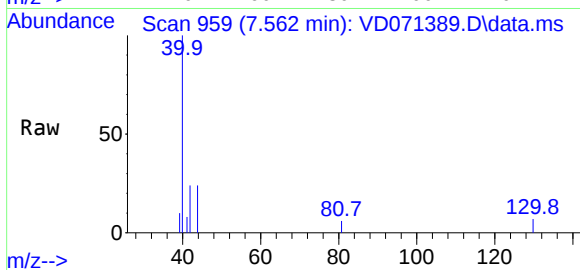
Lab File: VD071389.D

Acq: 20 Dec 2021 13:48

Instrument :

MSVOA_D

ClientSampleId :



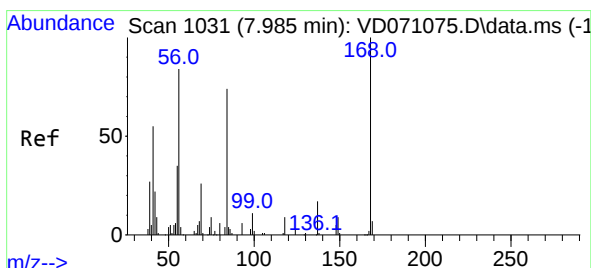
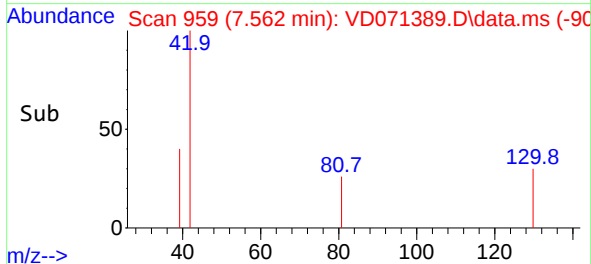
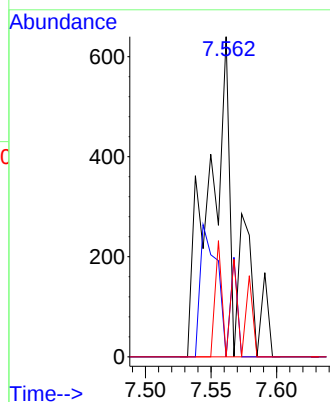
Tgt Ion: 42 Resp: 912

Ion Ratio Lower Upper

42 100

72 18.1 33.7 50.5#

71 9.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.786 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071389.D

Acq: 20 Dec 2021 13:48

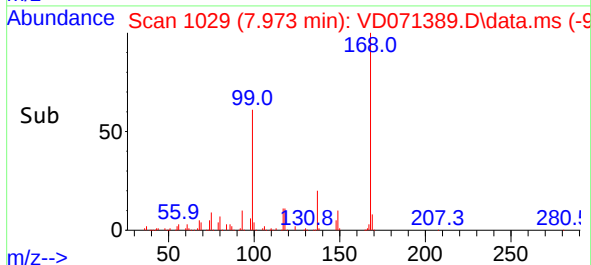
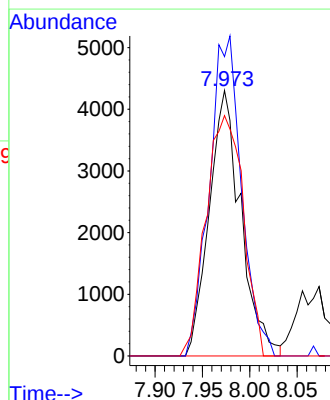
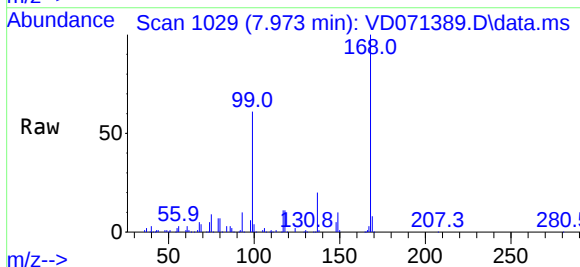
Tgt Ion: 56 Resp: 10035

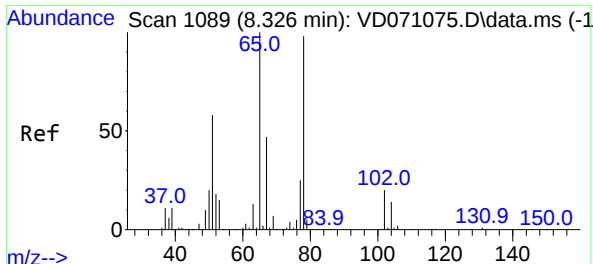
Ion Ratio Lower Upper

56 100

69 112.8 25.9 38.9#

84 90.5 64.3 96.5

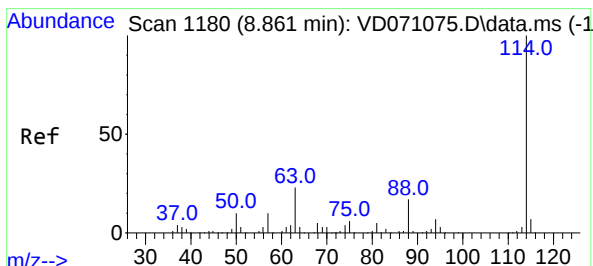
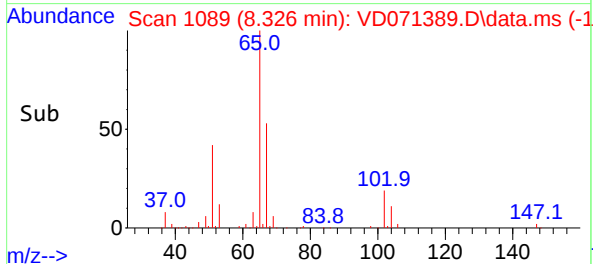
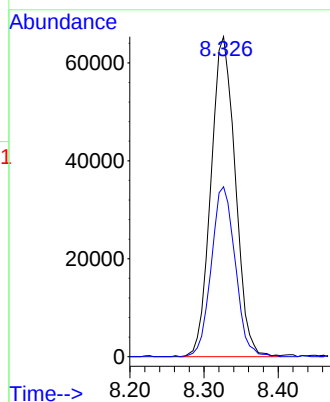
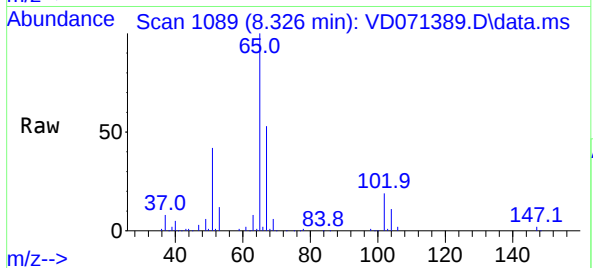




#33
 1,2-Dichloroethane-d4
 Concen: 45.126 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD071389.D
 Acq: 20 Dec 2021 13:48

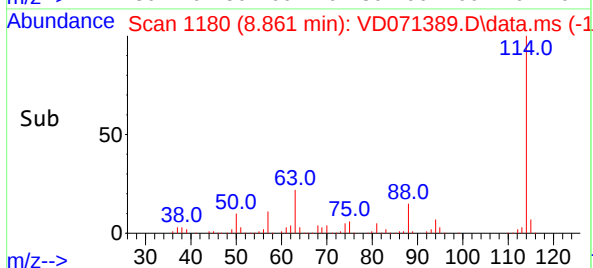
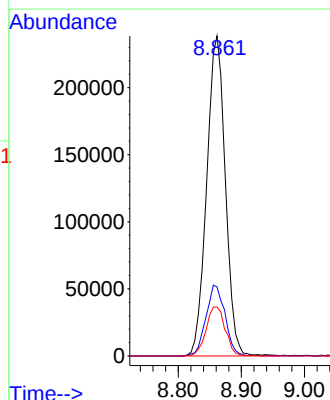
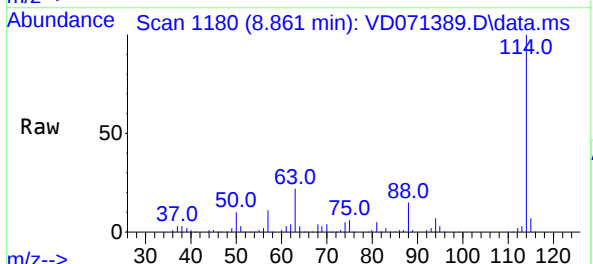
Instrument :
 MSVOA_D
 ClientSampleId :

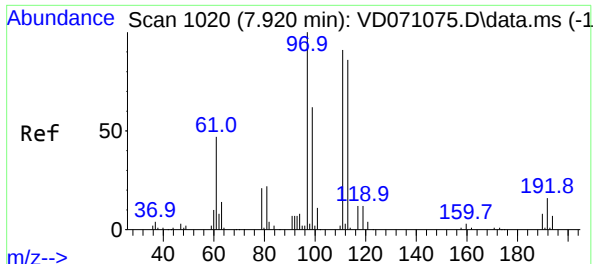
Tgt Ion: 65 Resp: 149031
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD071389.D
 Acq: 20 Dec 2021 13:48

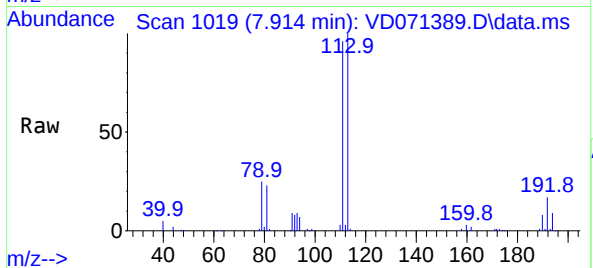
Tgt Ion: 114 Resp: 489107
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.8
 88 15.3 0.0 32.8



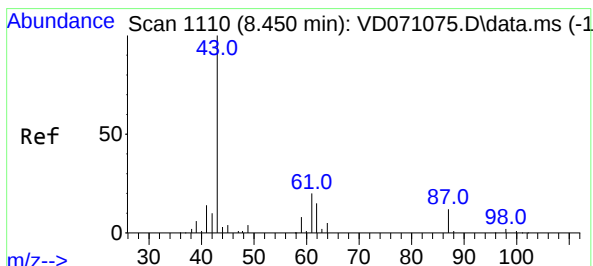
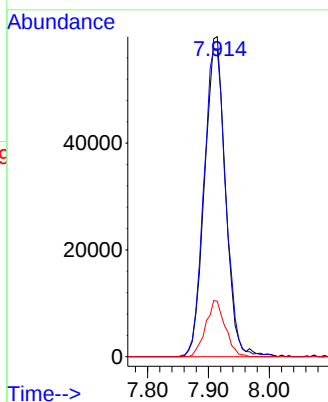
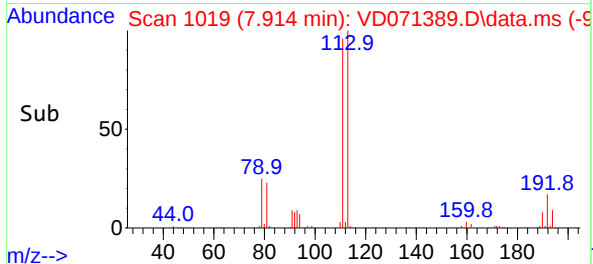


#35
Dibromofluoromethane
Concen: 45.644 ug/l
RT: 7.914 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Instrument :
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ClientSampleId :

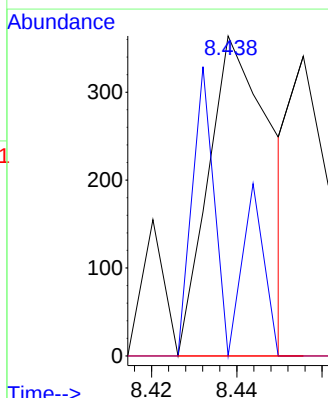
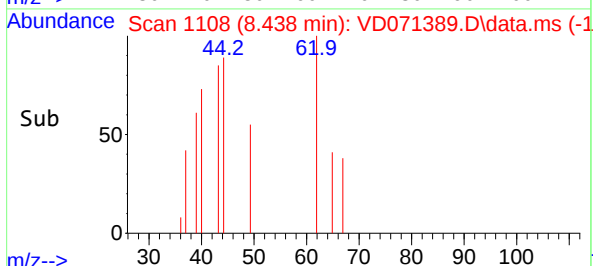
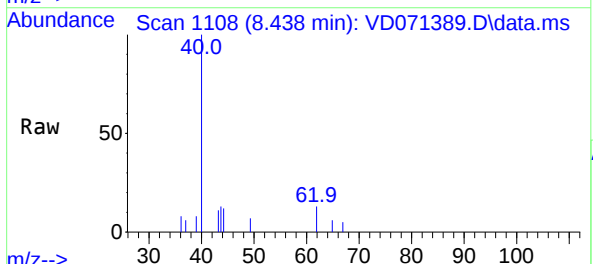


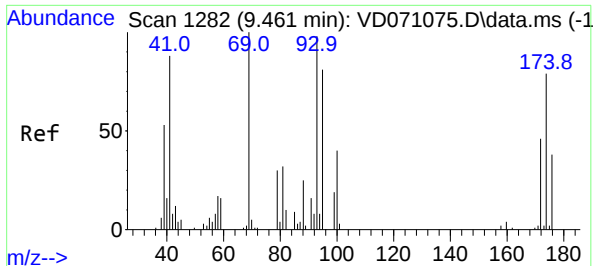
Tgt Ion:113 Resp: 142163
Ion Ratio Lower Upper
113 100
111 101.6 82.0 123.0
192 16.4 15.2 22.8



#43
Isopropyl Acetate
Concen: 5.301 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
61 48.8 28.2 42.4#
87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 12.535 ug/l

RT: 9.473 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD071389.D

Acq: 20 Dec 2021 13:48

Instrument :

MSVOA_D

ClientSampleId :

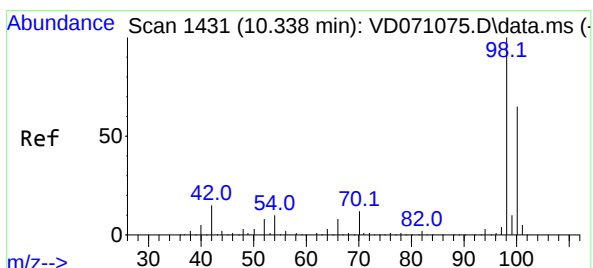
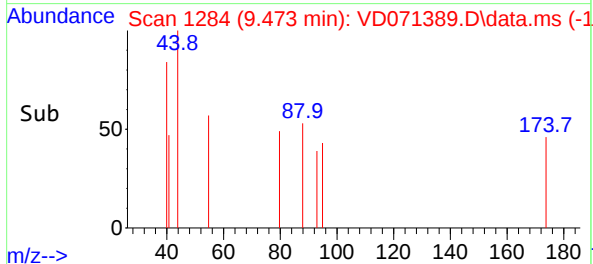
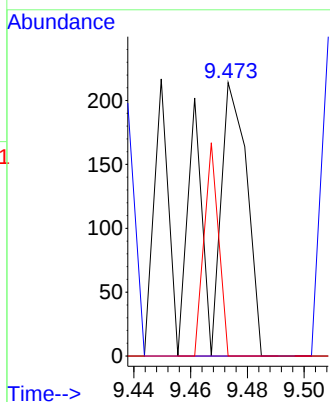
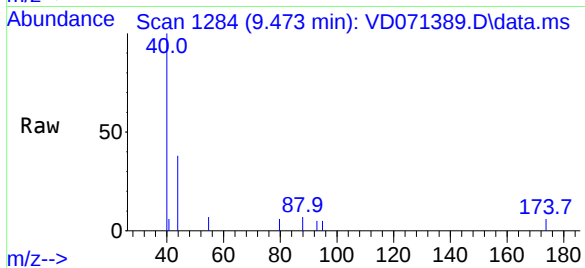
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 28.8 56.3 84.5#



#50

Toluene-d8

Concen: 39.579 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071389.D

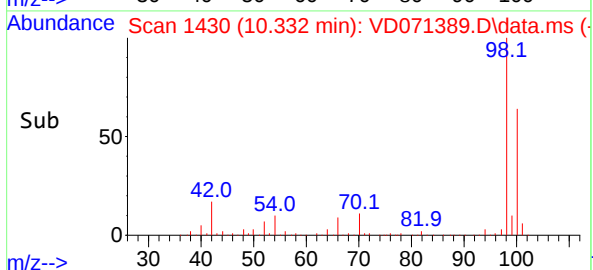
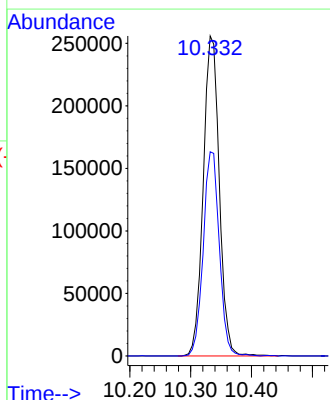
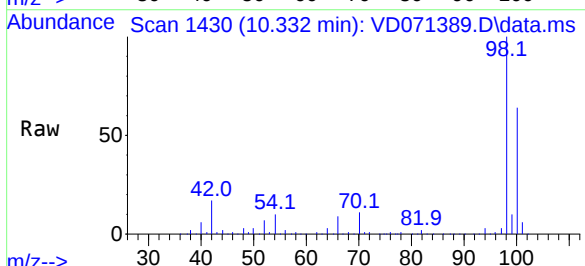
Acq: 20 Dec 2021 13:48

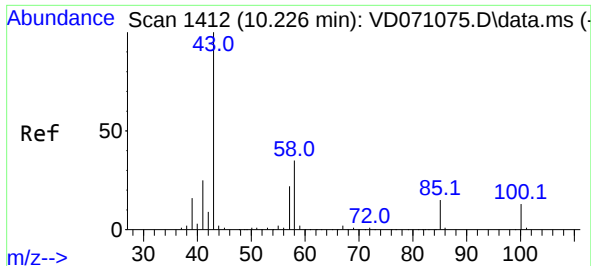
Tgt Ion: 98 Resp: 469118

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.6

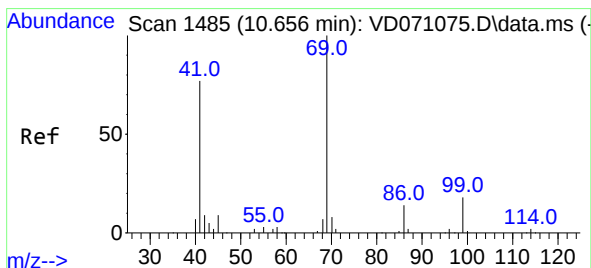
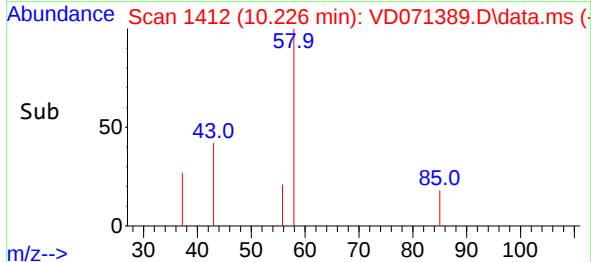
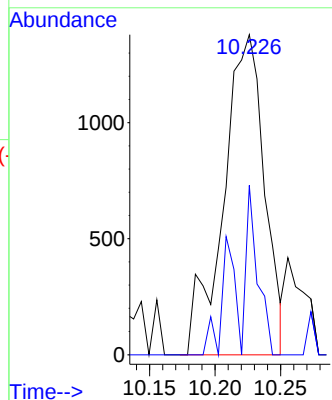
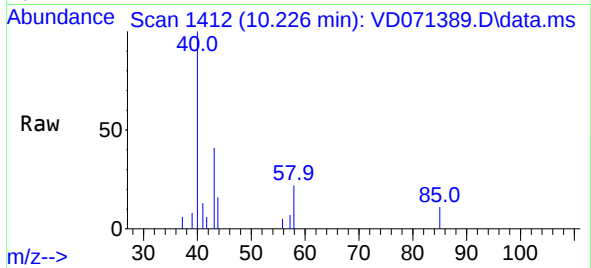




#51
4-Methyl-2-Pentanone
Concen: 31.831 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

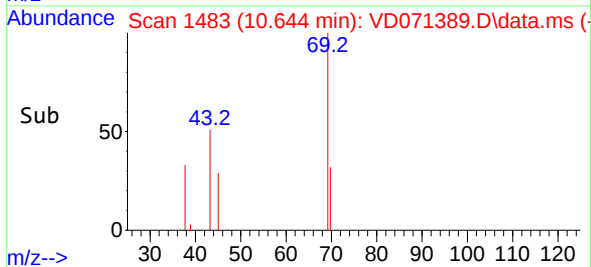
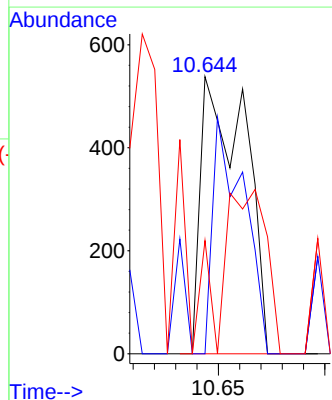
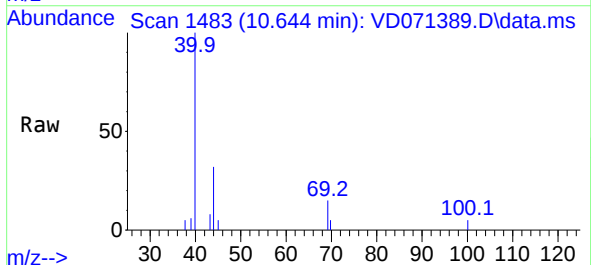
Instrument :
MSVOA_D
ClientSampleId :

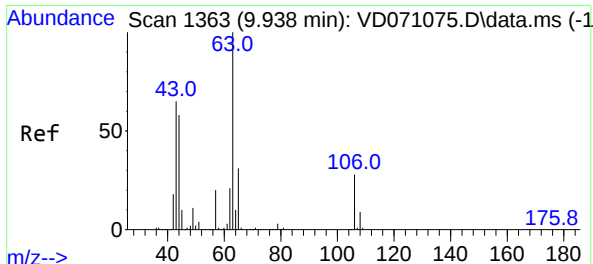
Tgt Ion: 43 Resp: 2992
Ion Ratio Lower Upper
43 100
58 15.2 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.184 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion: 69 Resp: 775
Ion Ratio Lower Upper
69 100
41 60.1 50.2 75.2
39 0.0 19.8 29.8#

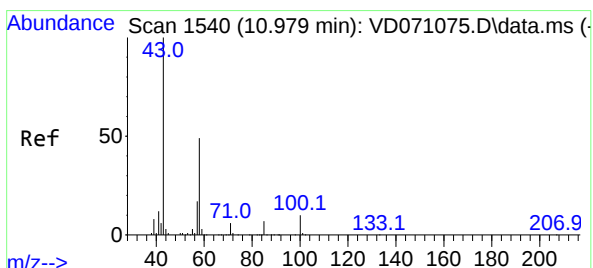
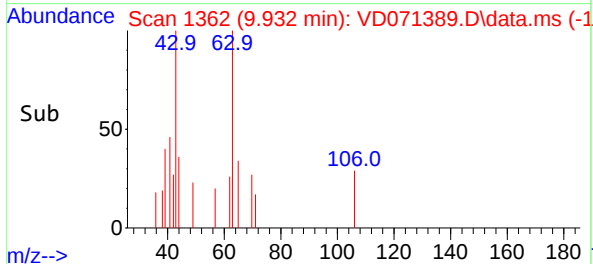
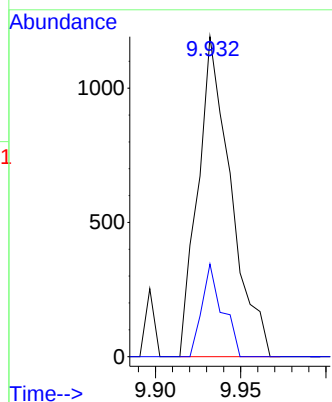
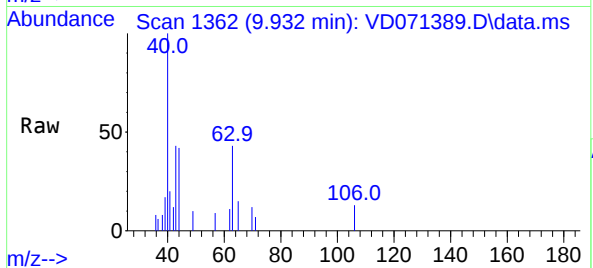




#58
2-Chloroethyl Vinyl ether
Concen: 1.061 ug/l
RT: 9.932 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

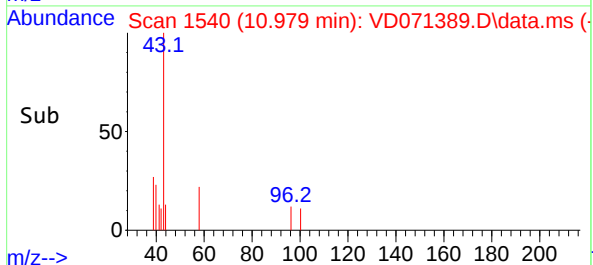
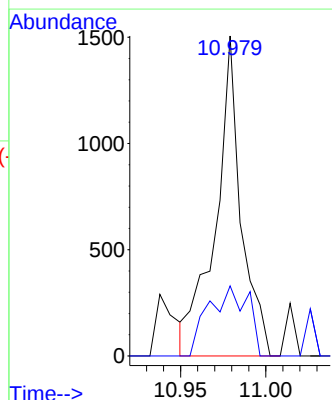
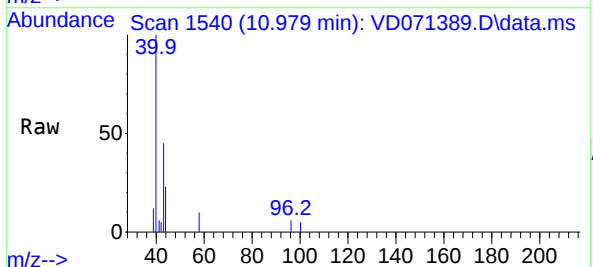
Instrument :
MSVOA_D
ClientSampleId :

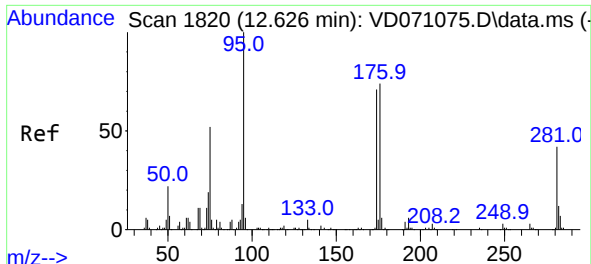
Tgt Ion: 63 Resp: 1604
Ion Ratio Lower Upper
63 100
106 18.0 21.0 31.4#



#59
2-Hexanone
Concen: 35.381 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 33.6 28.7 86.1

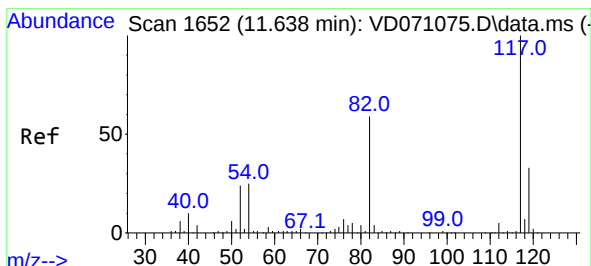
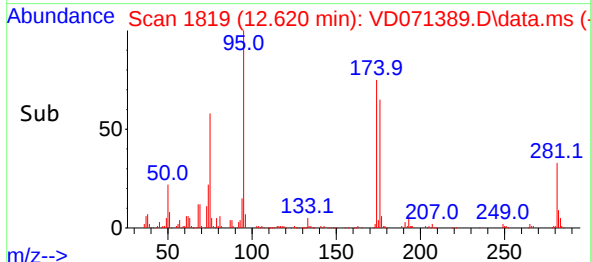
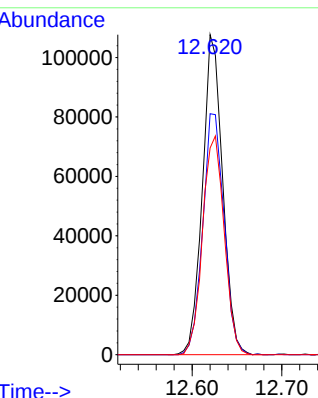
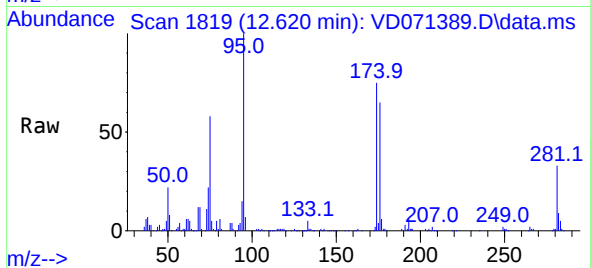




#62
4-Bromofluorobenzene
Concen: 40.902 ug/l
RT: 12.620 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

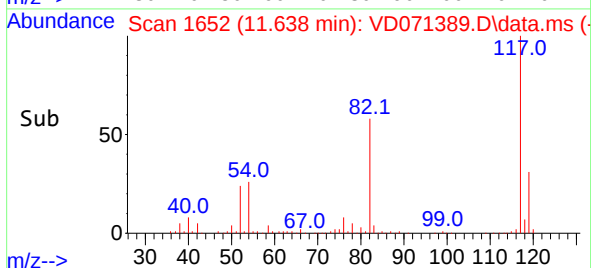
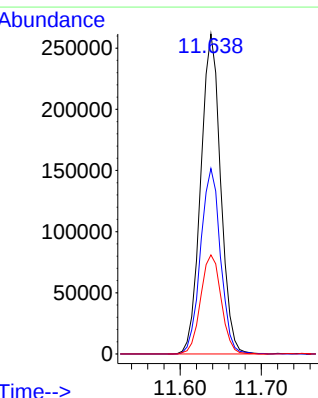
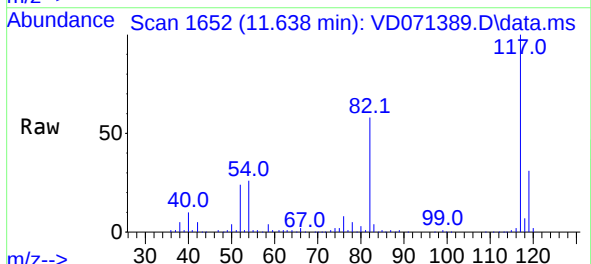
Instrument :
MSVOA_D
ClientSampleId :

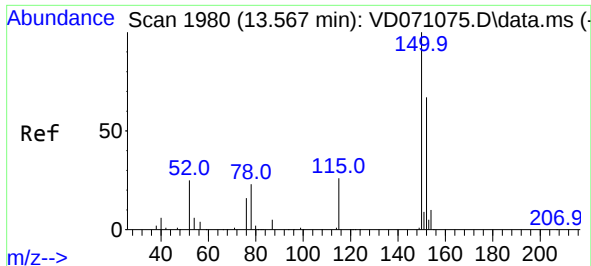
Tgt Ion: 95 Resp: 168049
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.4
176 73.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

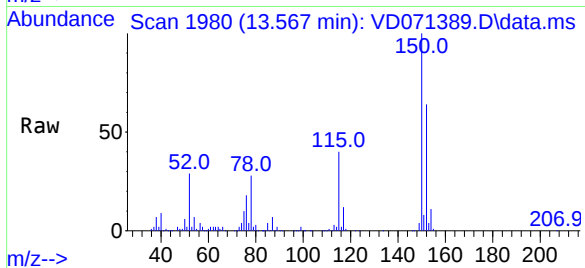
Tgt Ion: 117 Resp: 445428
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 31.0 26.2 39.4



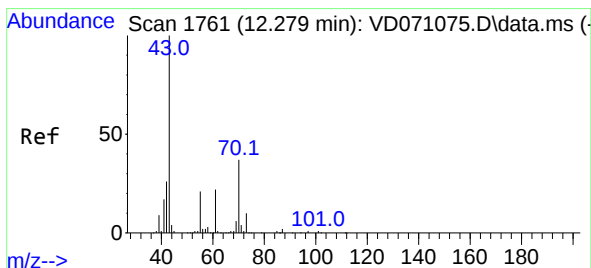
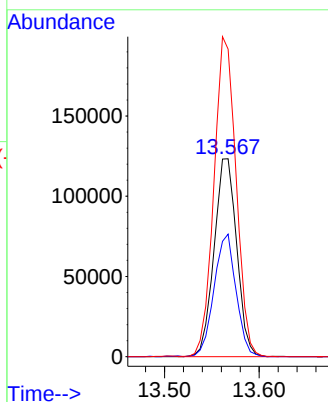
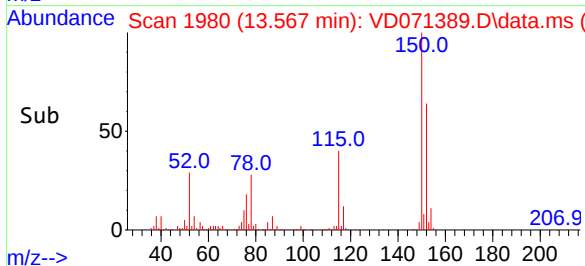


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

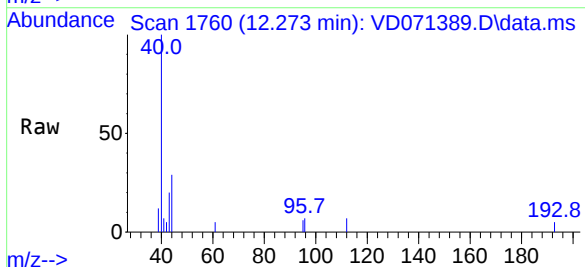
Instrument :
MSVOA_D
ClientSampleId :



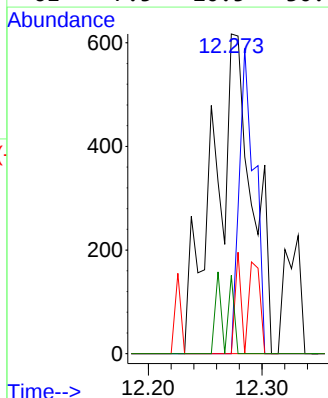
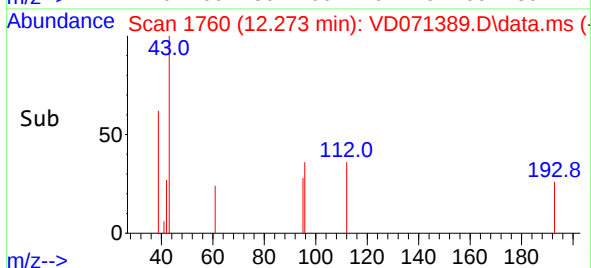
Tgt Ion:152 Resp: 205034
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 158.2 0.0 349.2

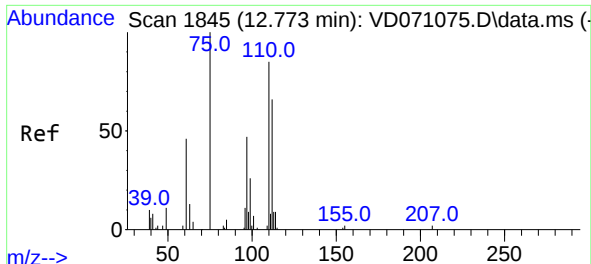


#74
N-ethyl acetate
Concen: 6.016 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48



Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 4.8 22.5 33.7#
61 7.5 20.5 30.7#

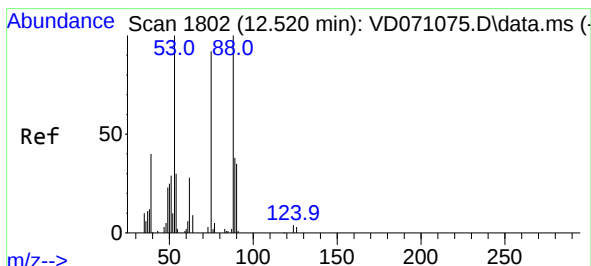
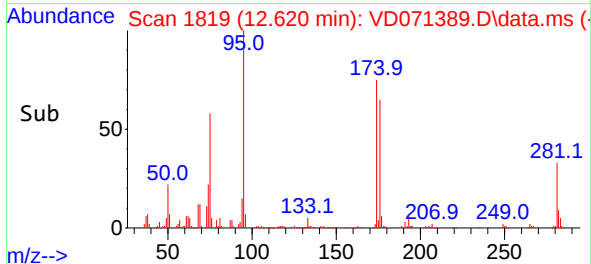
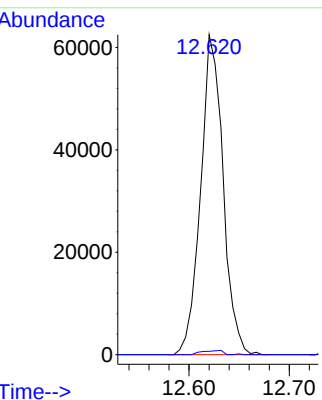
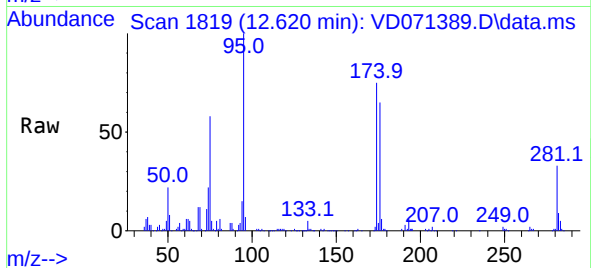




#76
1,2,3-Trichloropropane
Concen: 49.693 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 97074
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.581 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071389.D
Acq: 20 Dec 2021 13:48

Tgt Ion: 75 Resp: 97074
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.5 34.5 51.7#

