

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121721\
 Data File : VD071383.D
 Acq On : 17 Dec 2021 16:12
 Operator : VA/SY
 Sample : M5146-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 01:53:25 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)

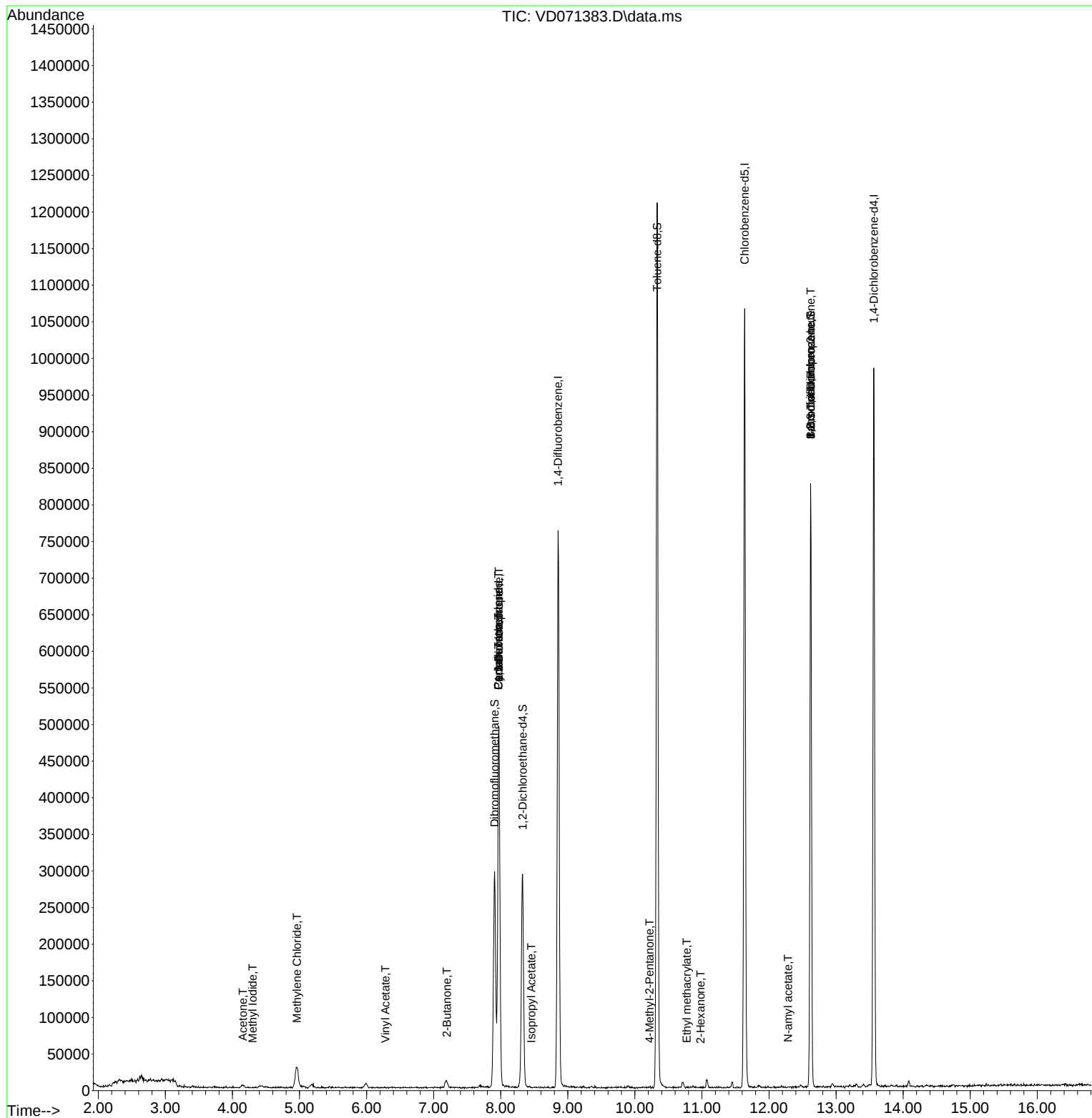
Internal Standards						
1) Pentafluorobenzene	7.967	168	344044	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.855	114	606891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	556128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232309	57.546	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.100%			
35) Dibromofluoromethane	7.908	113	200410	51.858	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.720%			
50) Toluene-d8	10.332	98	769132	52.298	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.620	95	241713	47.414	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.820%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	67	4.576	ug/l #	40
11) Tert butyl alcohol	5.167	59	2017	Below Cal	#	71
16) Acetone	4.156	43	6506	36.118	ug/l #	84
20) Methylene Chloride	4.962	84	21761	1.272	ug/l #	86
23) Vinyl Acetate	6.279	43	105	27.233	ug/l #	72
25) 2-Butanone	7.197	43	1207	29.223	ug/l #	45
31) Cyclohexane	7.967	56	10076	1.467	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	31357	5.528	ug/l #	50
38) Carbon Tetrachloride	7.967	117	37008	6.619	ug/l #	15
41) Methacrylonitrile	7.544	41	67	Below Cal	#	28
43) Isopropyl Acetate	8.455	43	68	5.234	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1111	31.005	ug/l #	34
56) Ethyl methacrylate	10.773	69	125	5.998	ug/l #	1
59) 2-Hexanone	10.979	43	237	34.672	ug/l #	54
71) Bromoform	12.620	173	2882	1.477	ug/l #	1
74) N-amyl acetate	12.285	43	311	5.759	ug/l #	75
76) 1,2,3-Trichloropropane	12.620	75	139258	60.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	139258	131.668	ug/l #	18

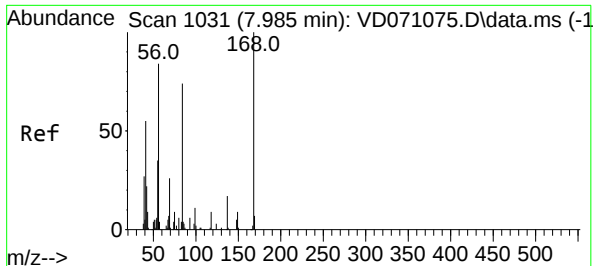
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 19 01:53:25 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

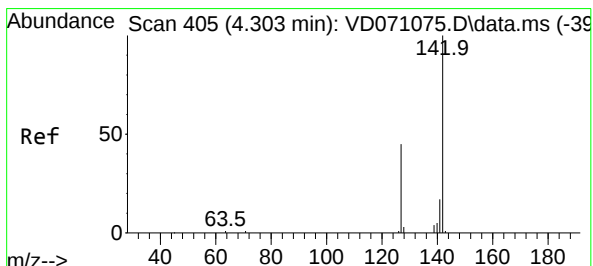
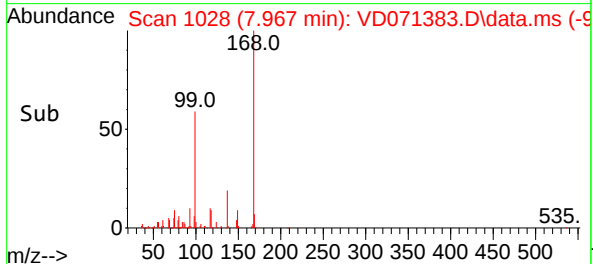
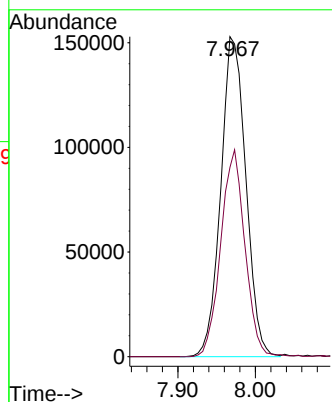
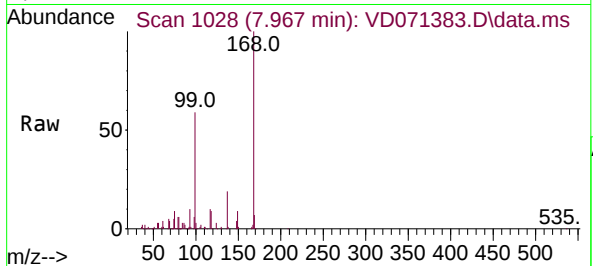




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1031
Delta R.T. -0.018 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

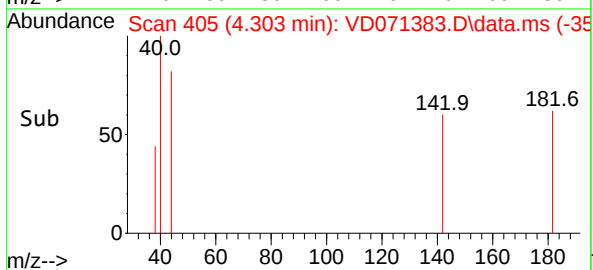
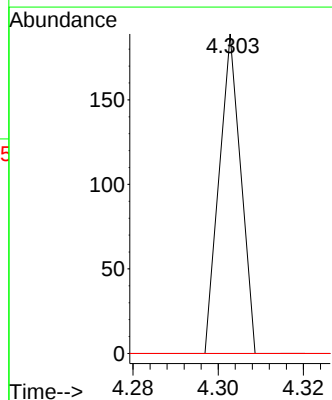
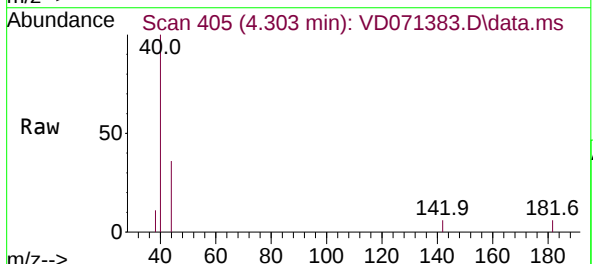
Instrument :
MSVOA_D
ClientSampleId :

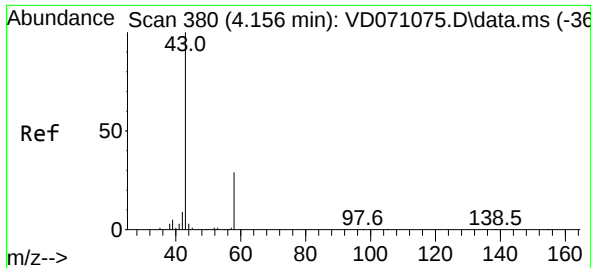
Tgt Ion:168 Resp: 344044
Ion Ratio Lower Upper
168 100
99 59.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

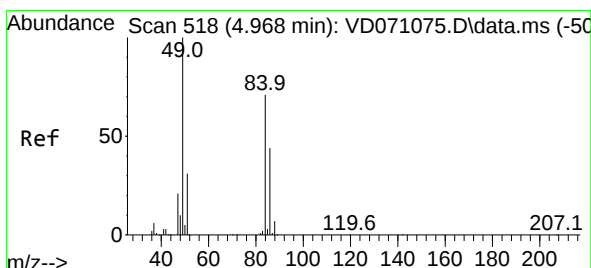
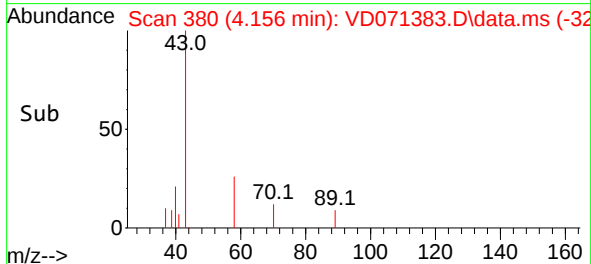
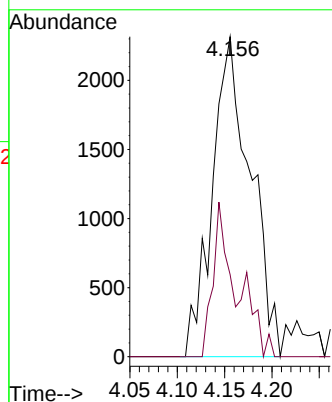
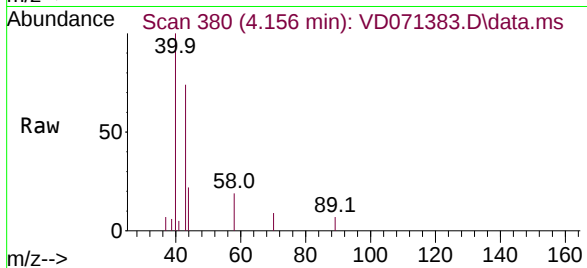




#16
Acetone
Concen: 36.118 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

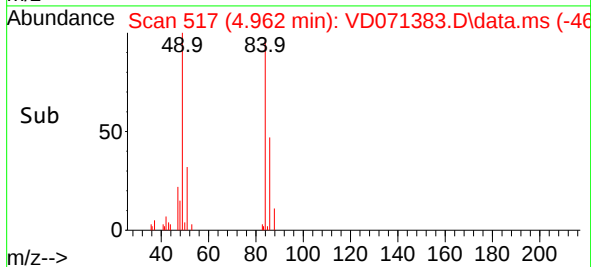
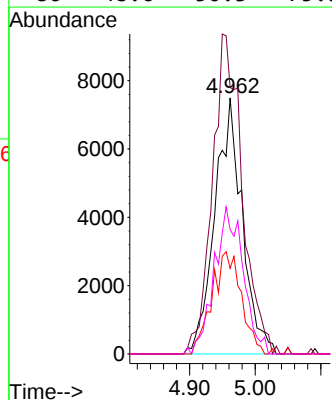
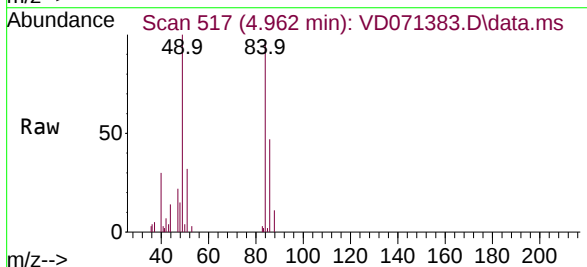
Instrument :
MSVOA_D
ClientSampleId :

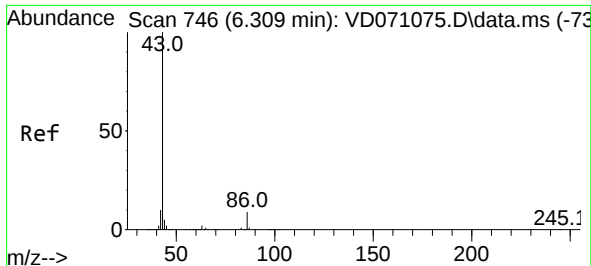
Tgt Ion: 43 Resp: 6506
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



#20
Methylene Chloride
Concen: 1.272 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 84 Resp: 21761
Ion Ratio Lower Upper
84 100
49 104.1 95.8 143.6
51 33.5 30.9 46.3
86 48.6 50.3 75.5#

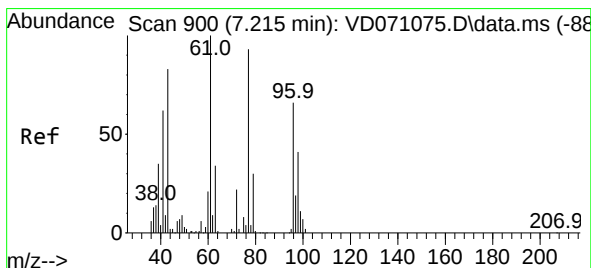
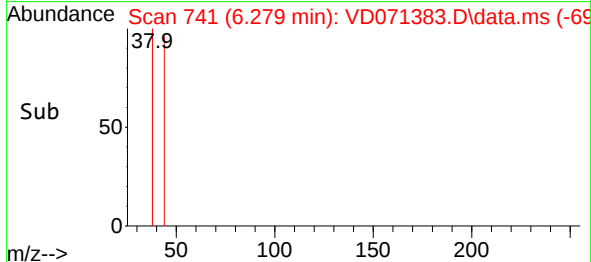
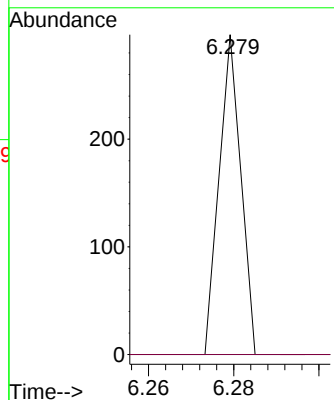
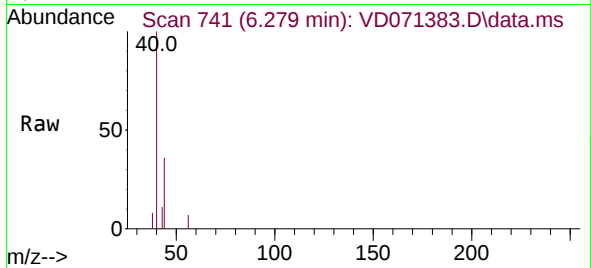




#23
 Vinyl Acetate
 Concen: 27.233 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.030 min
 Lab File: VD071383.D
 Acq: 17 Dec 2021 16:12

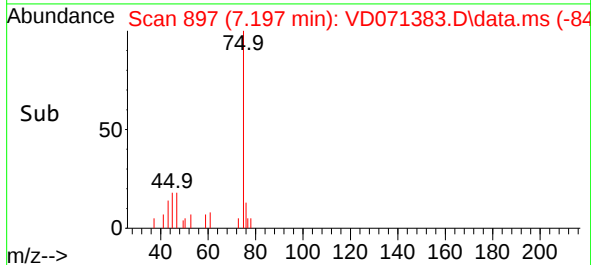
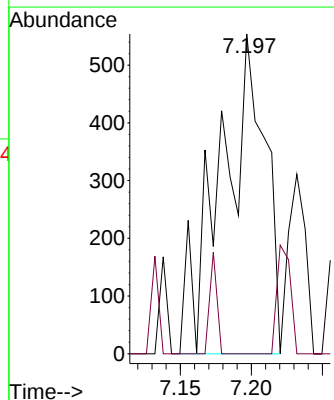
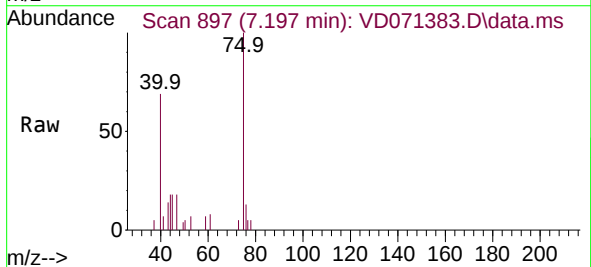
Instrument :
 MSVOA_D
 ClientSampleId :

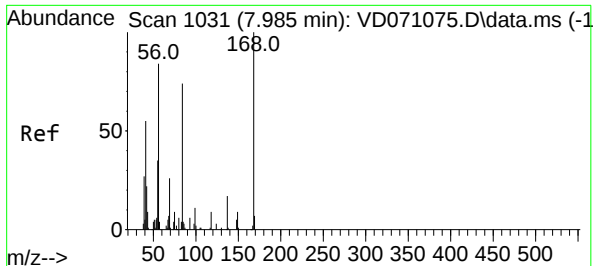
Tgt Ion: 43 Resp: 105
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.223 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071383.D
 Acq: 17 Dec 2021 16:12

Tgt Ion: 43 Resp: 1207
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

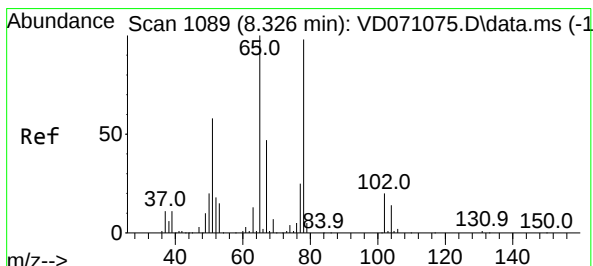
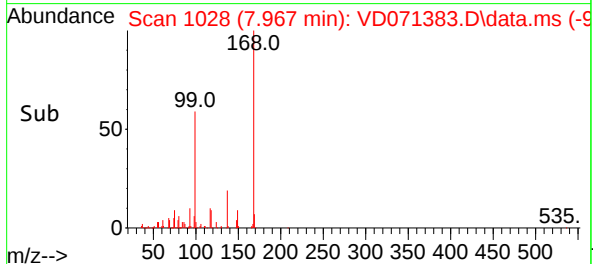
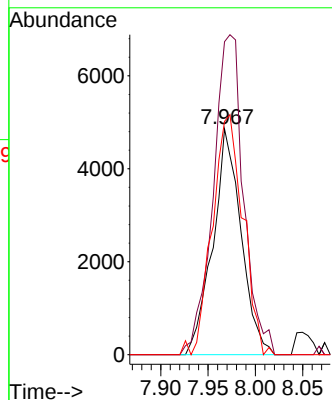
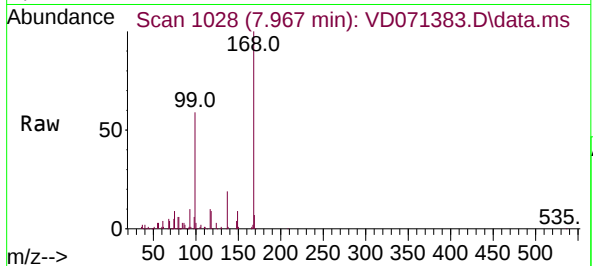




#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

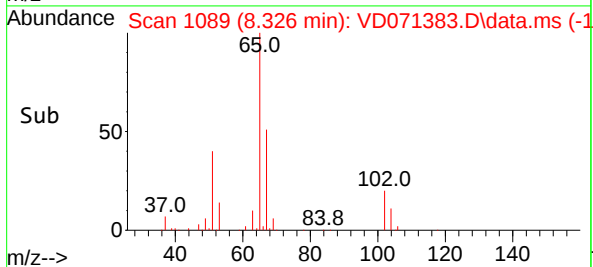
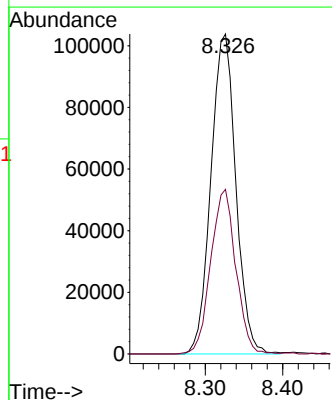
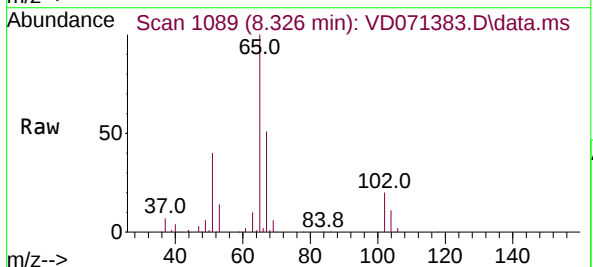
Instrument :
MSVOA_D
ClientSampleId :

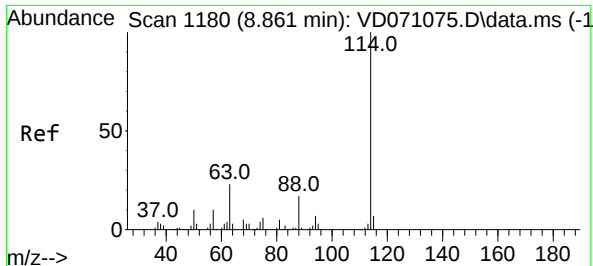
Tgt Ion: 56 Resp: 10076
Ion Ratio Lower Upper
56 100
69 138.7 25.9 38.9#
84 103.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 57.546 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 65 Resp: 232309
Ion Ratio Lower Upper
65 100
67 51.7 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071383.D

Acq: 17 Dec 2021 16:12

Instrument :

MSVOA_D

ClientSampleId :

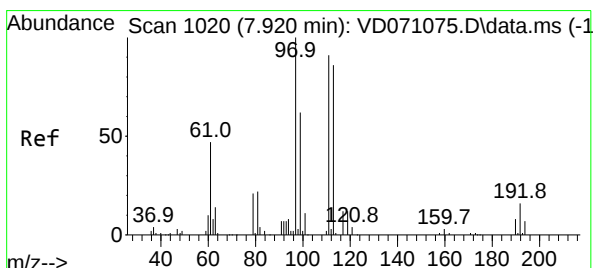
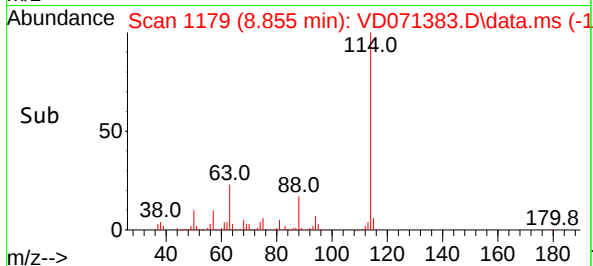
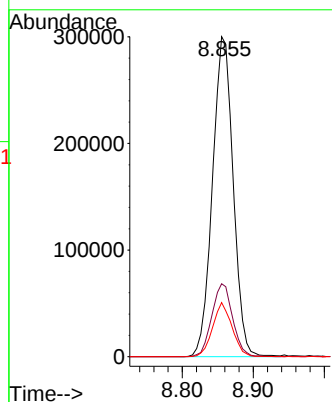
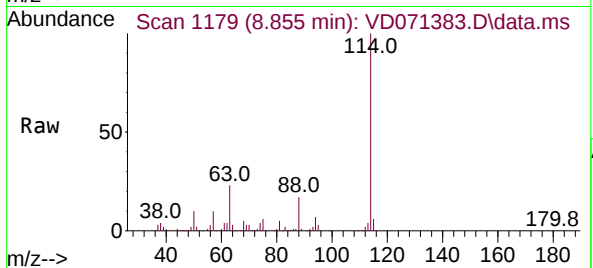
Tgt Ion:114 Resp: 606891

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.858 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071383.D

Acq: 17 Dec 2021 16:12

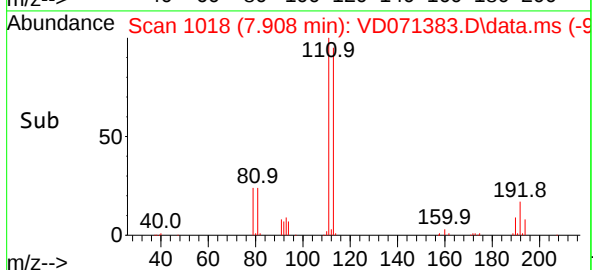
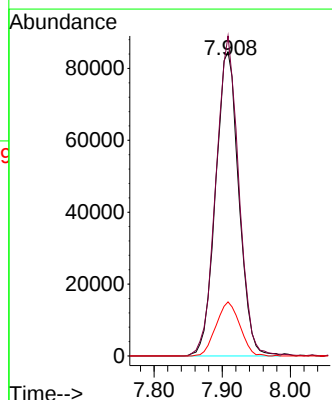
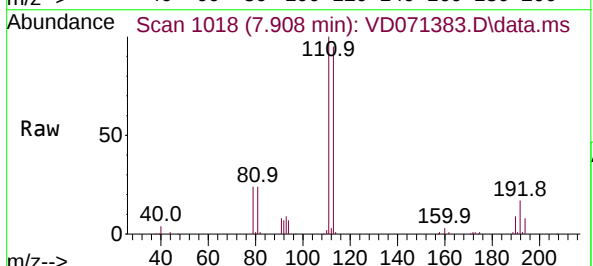
Tgt Ion:113 Resp: 200410

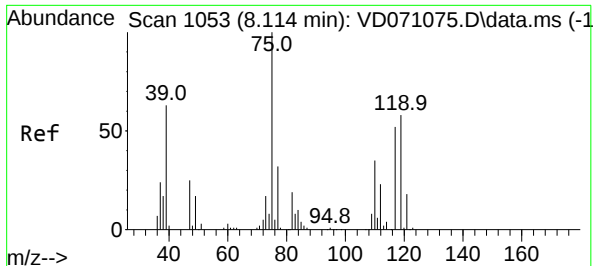
Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

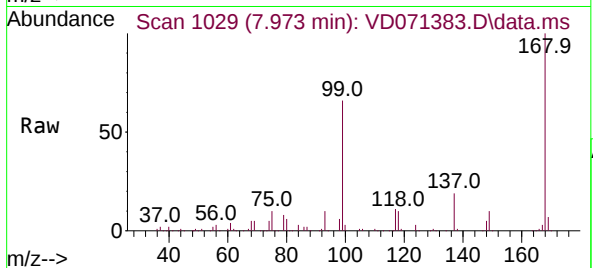
192 18.2 15.2 22.8



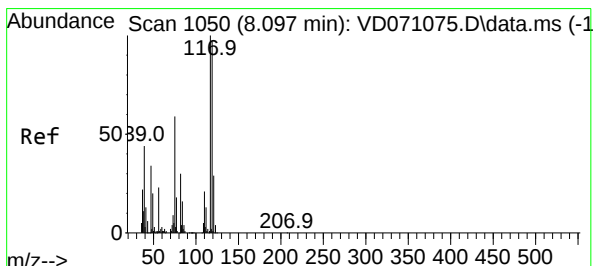
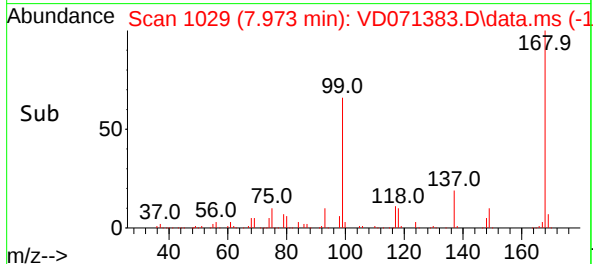
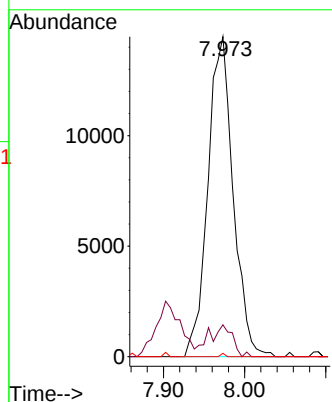


#36
1,1-Dichloropropene
Concen: 5.528 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

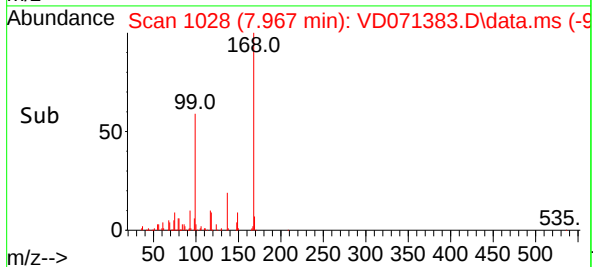
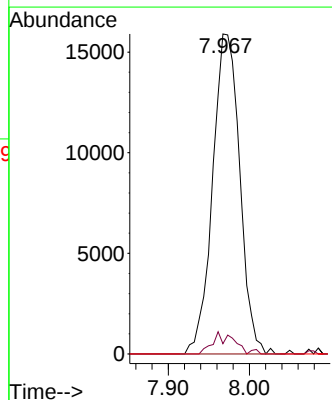
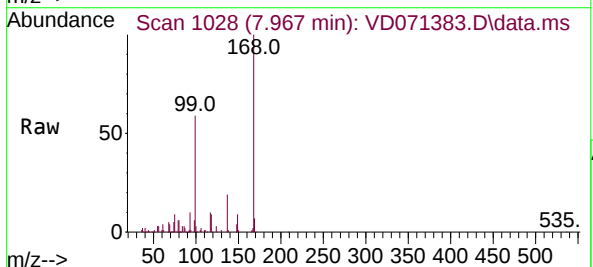


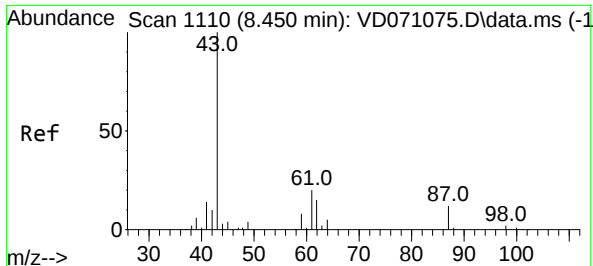
Tgt Ion: 75 Resp: 31357
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.4#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.619 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 117 Resp: 37008
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.234 ug/l

RT: 8.455 min Scan# 1110

Delta R.T. 0.005 min

Lab File: VD071383.D

Acq: 17 Dec 2021 16:12

Instrument :

MSVOA_D

ClientSampleId :

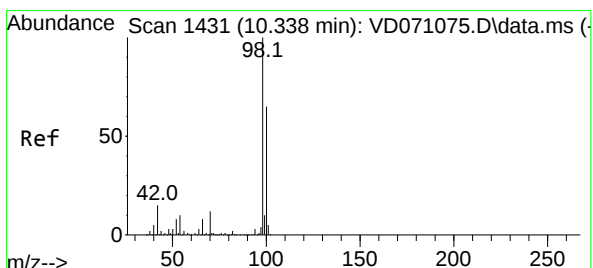
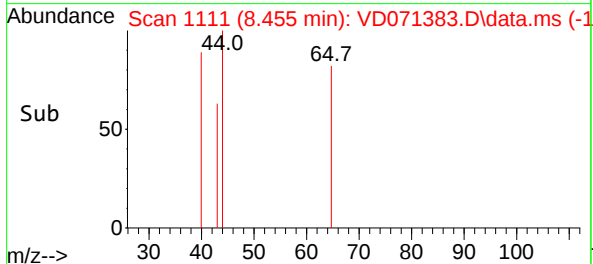
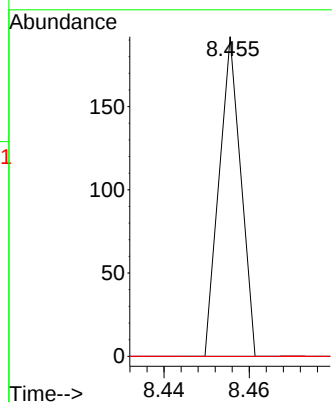
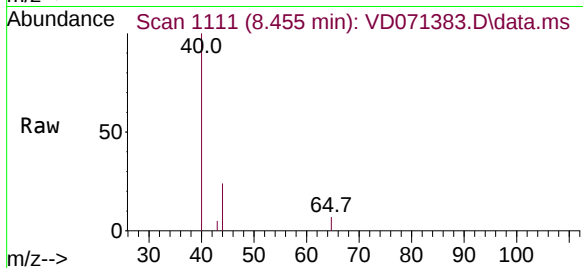
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.298 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071383.D

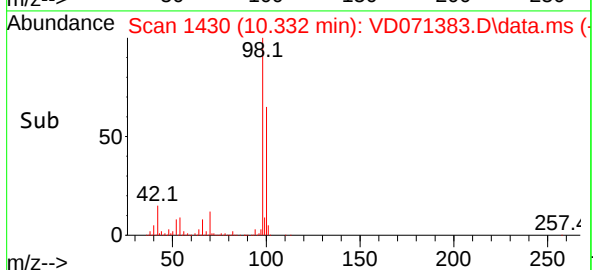
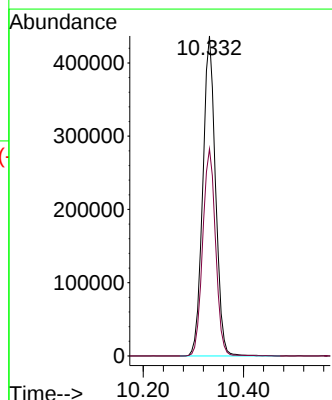
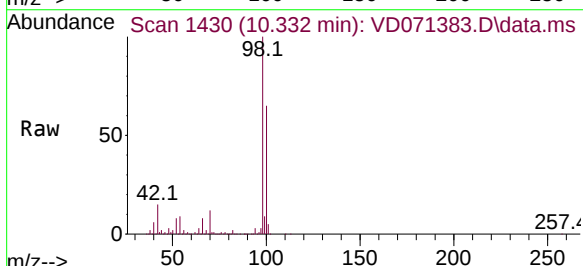
Acq: 17 Dec 2021 16:12

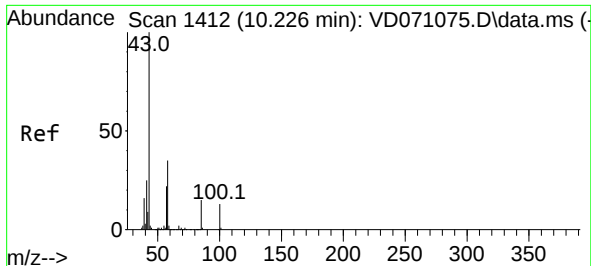
Tgt Ion: 98 Resp: 769132

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.005 ug/l

RT: 10.220 min Scan# 14

Delta R.T. -0.006 min

Lab File: VD071383.D

Acq: 17 Dec 2021 16:12

Instrument :

MSVOA_D

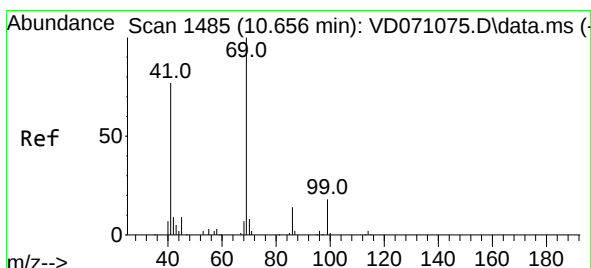
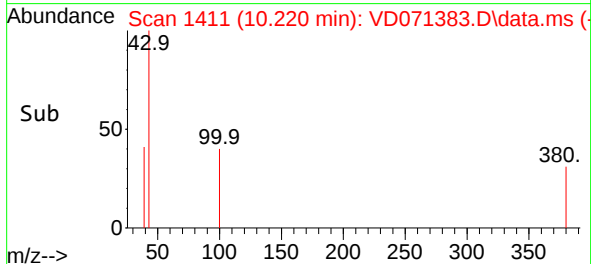
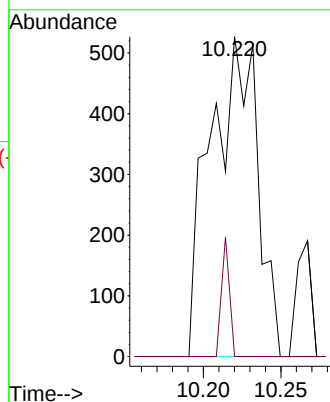
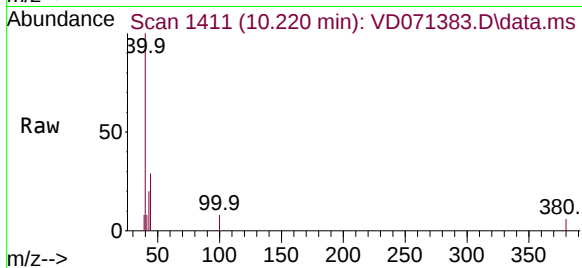
ClientSampleId :

Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.998 ug/l

RT: 10.773 min Scan# 1505

Delta R.T. 0.117 min

Lab File: VD071383.D

Acq: 17 Dec 2021 16:12

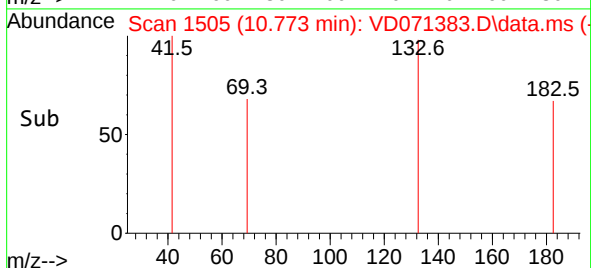
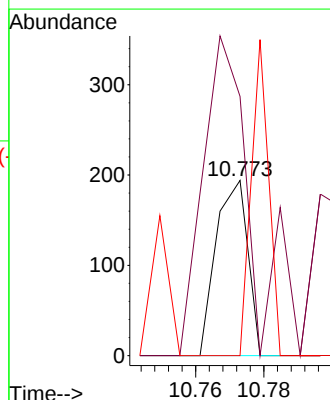
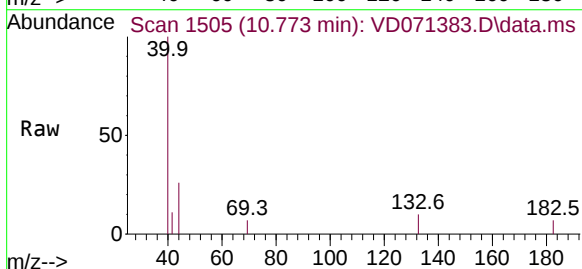
Tgt Ion: 69 Resp: 125

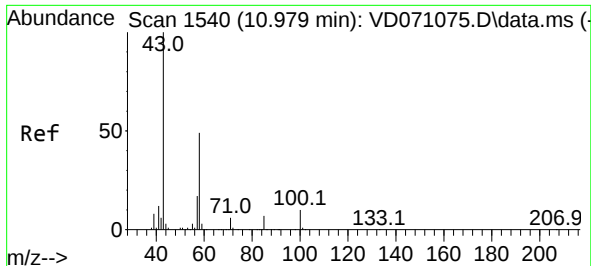
Ion Ratio Lower Upper

69 100

41 278.4 50.2 75.2#

39 98.4 19.8 29.8#

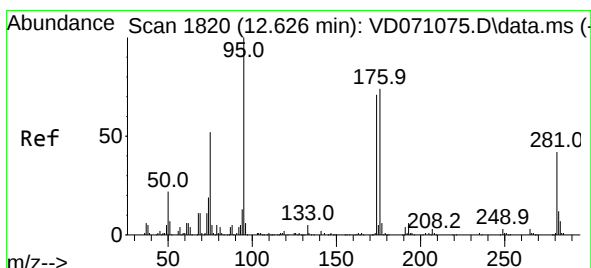
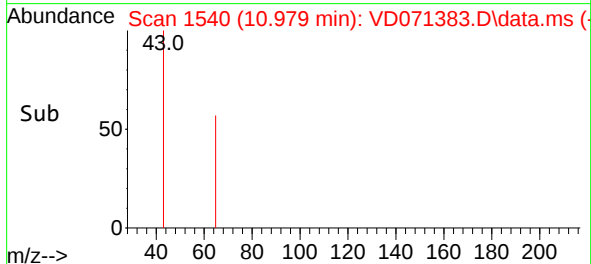
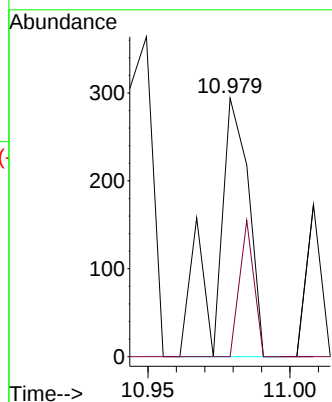
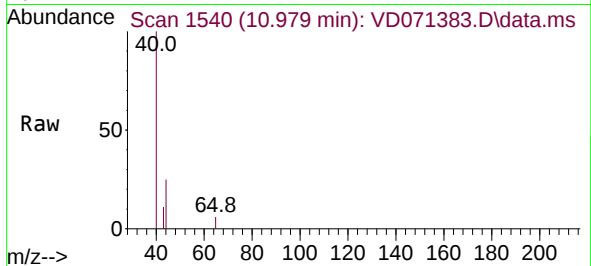




#59
2-Hexanone
Concen: 34.672 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

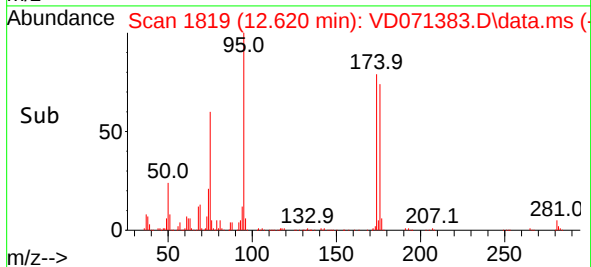
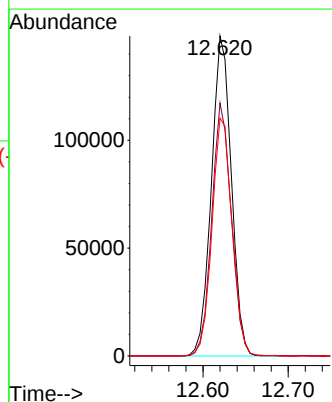
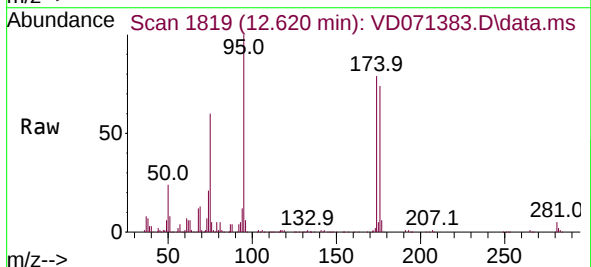
Instrument :
MSVOA_D
ClientSampleId :

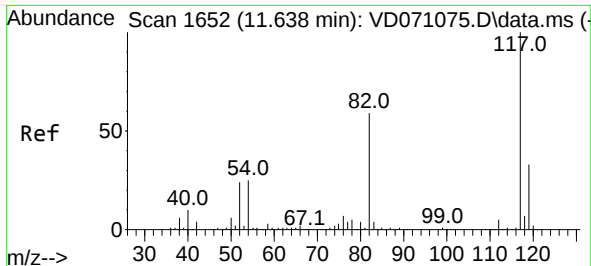
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 23.2 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 47.414 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 95 Resp: 241713
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 74.8 0.0 154.0

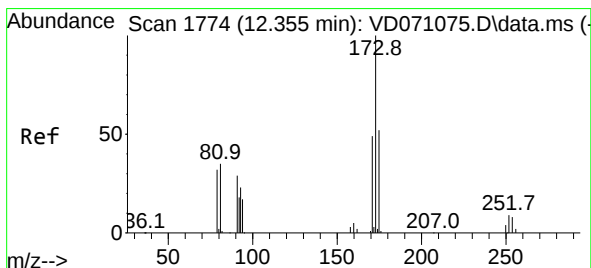
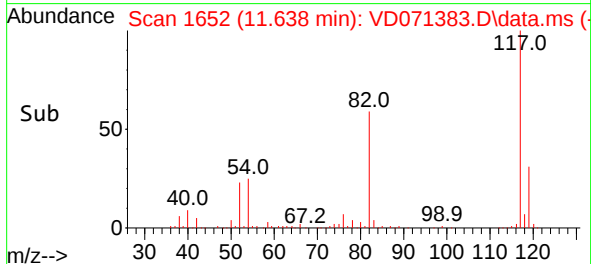
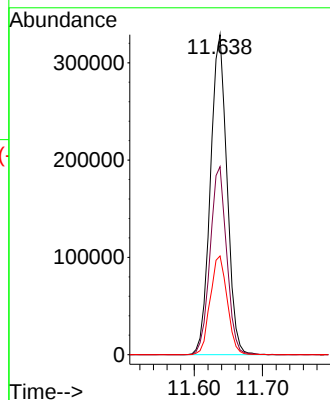
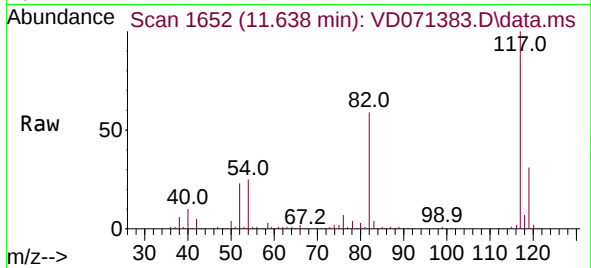




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

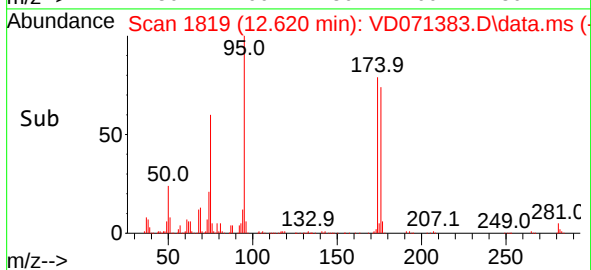
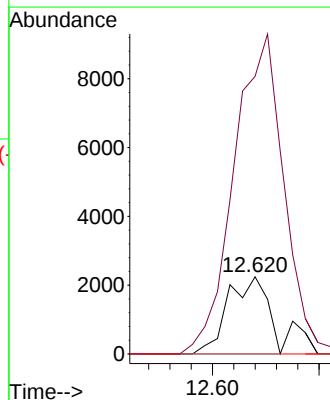
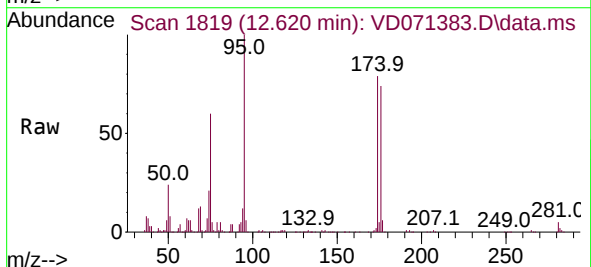
Instrument :
MSVOA_D
ClientSampleId :

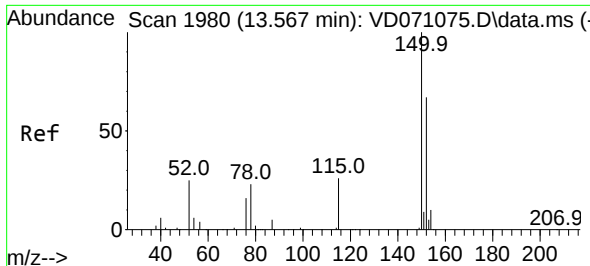
Tgt Ion:117 Resp: 556128
Ion Ratio Lower Upper
117 100
82 58.8 44.7 67.1
119 30.9 26.2 39.4



#71
Bromoform
Concen: 1.477 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

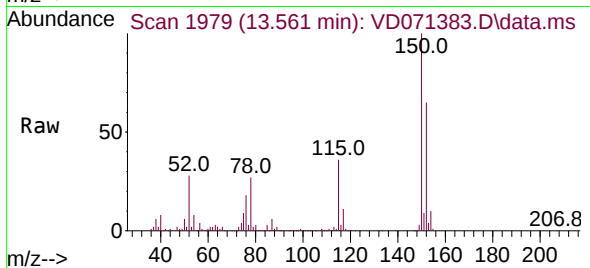
Tgt Ion:173 Resp: 2882
Ion Ratio Lower Upper
173 100
175 468.8 24.1 72.2#
254 0.0 0.1 0.1#



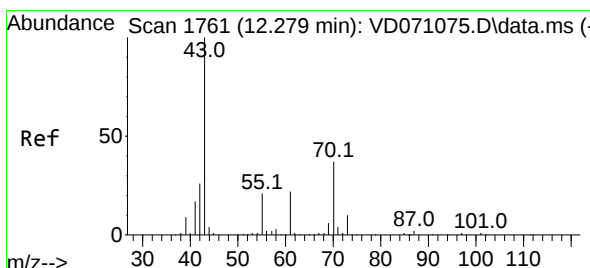
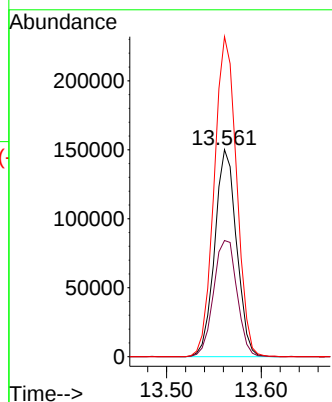
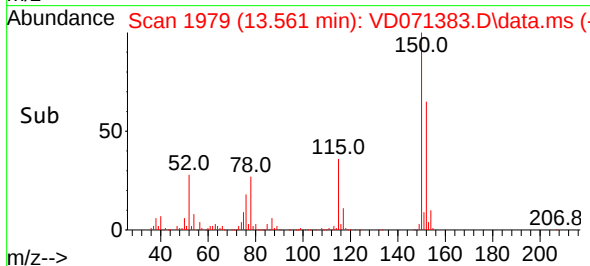


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

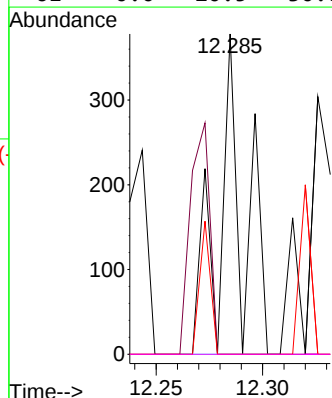
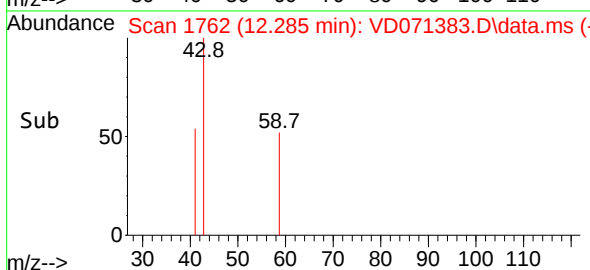
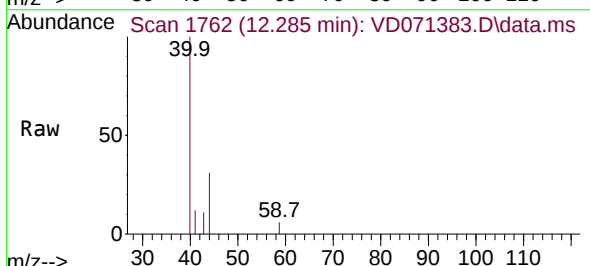


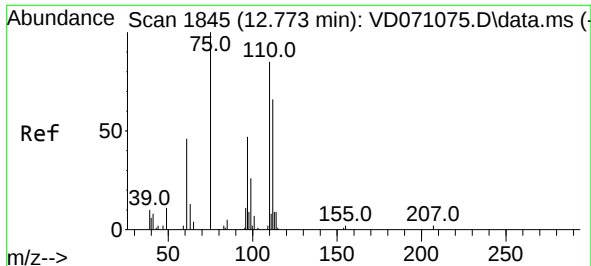
Tgt Ion:152 Resp: 240193
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 158.4 0.0 349.2



#74
N-ethyl acetate
Concen: 5.759 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
70 55.6 36.6 55.0#
55 17.7 22.5 33.7#
61 0.0 20.5 30.7#

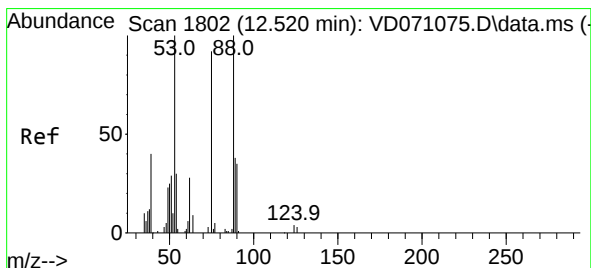
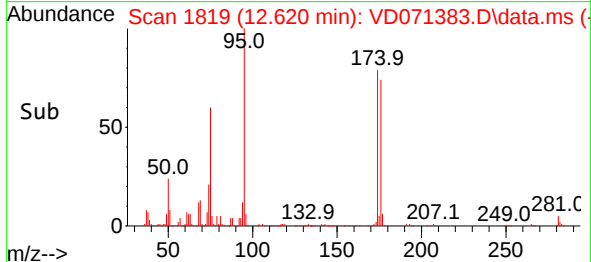
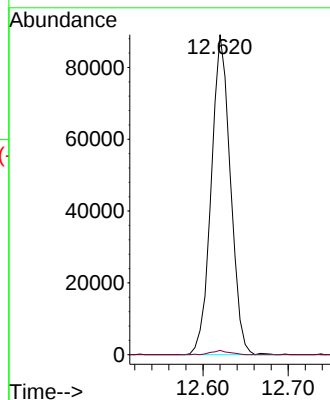
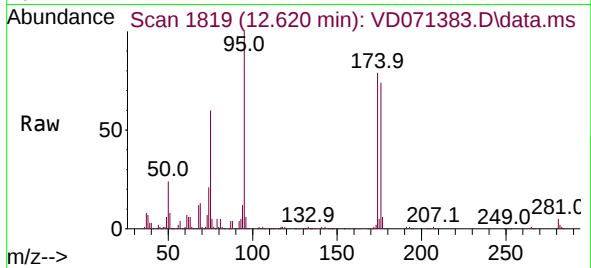




#76
1,2,3-Trichloropropane
Concen: 60.852 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 139258
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.668 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071383.D
Acq: 17 Dec 2021 16:12

Tgt Ion: 75 Resp: 139258
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

