

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071153.D
 Acq On : 04 Dec 2021 19:40
 Operator : VA/SY
 Sample : M4927-09
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:33:55 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)

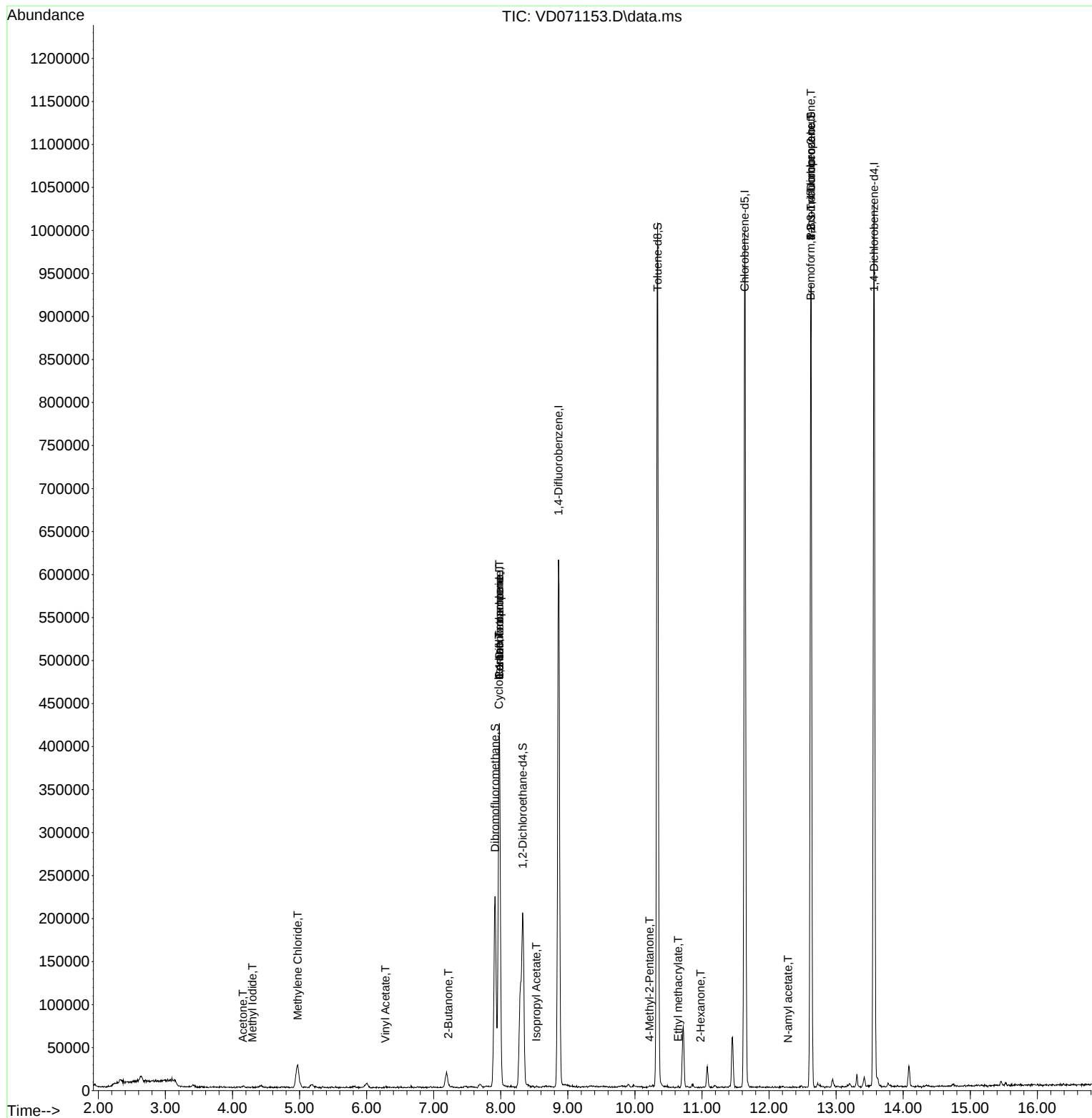
Internal Standards						
1) Pentafluorobenzene	7.979	168	284089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	500184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	532191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	256105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	150184	45.054	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.100%
35) Dibromofluoromethane	7.914	113	152505	47.880	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.760%
50) Toluene-d8	10.337	98	644308	53.156	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.320%
62) 4-Bromofluorobenzene	12.625	95	251680	59.901	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.800%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	99	4.588	ug/l #	40
11) Tert butyl alcohol	5.179	59	3507	Below Cal	#	71
16) Acetone	4.155	43	2908	33.677	ug/l #	75
20) Methylene Chloride	4.973	84	17597	1.151	ug/l	93
23) Vinyl Acetate	6.279	43	112	27.237	ug/l #	72
25) 2-Butanone	7.220	43	409	28.714	ug/l #	45
31) Cyclohexane	7.973	56	7973	1.406	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	26737	5.719	ug/l #	49
38) Carbon Tetrachloride	7.979	117	31067	6.742	ug/l #	17
41) Methacrylonitrile	7.567	41	239	Below Cal	#	35
43) Isopropyl Acetate	8.532	43	137	5.251	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	489	30.840	ug/l #	34
56) Ethyl methacrylate	10.643	69	233	6.033	ug/l #	41
59) 2-Hexanone	10.979	43	55	34.602	ug/l #	22
71) Bromoform	12.620	173	2770	1.483	ug/l #	1
74) N-amyl acetate	12.284	43	280	5.750	ug/l #	40
76) 1,2,3-Trichloropropane	12.625	75	144215	59.103	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	144215	128.049	ug/l #	18

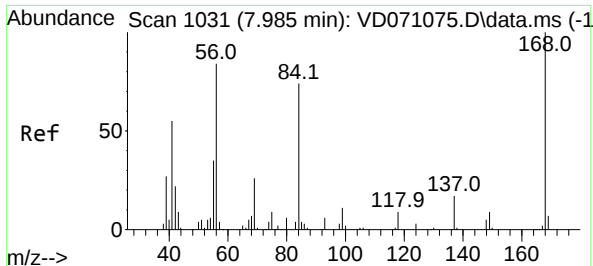
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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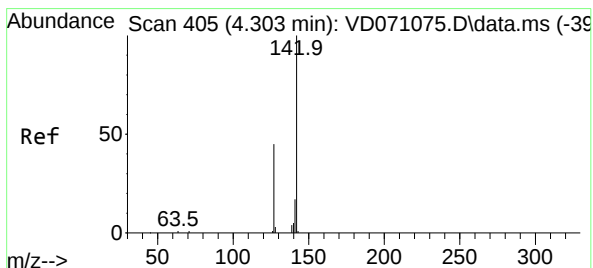
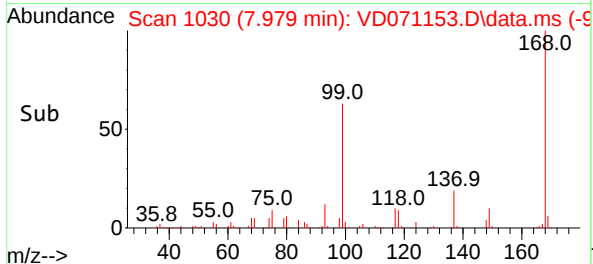
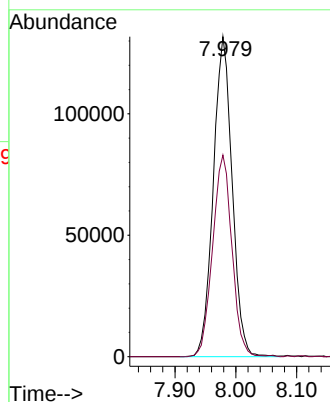
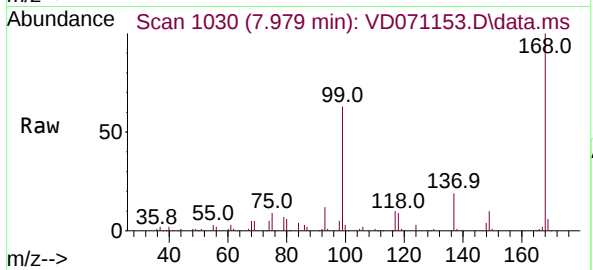




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

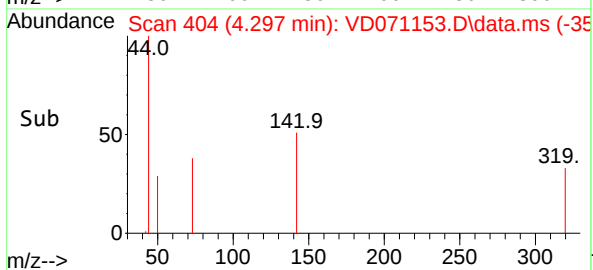
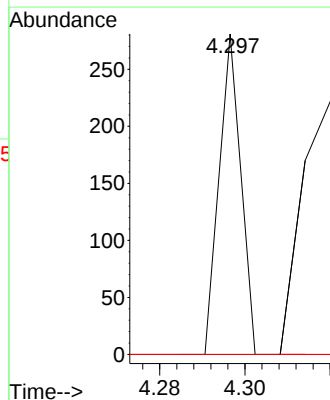
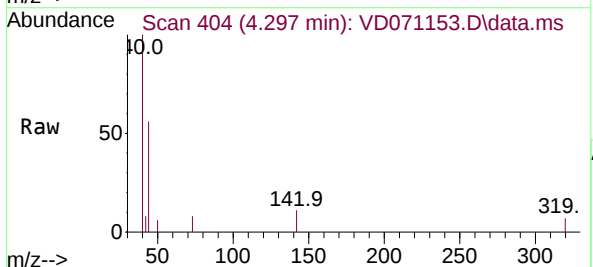
Instrument :
MSVOA_D
ClientSampleId :

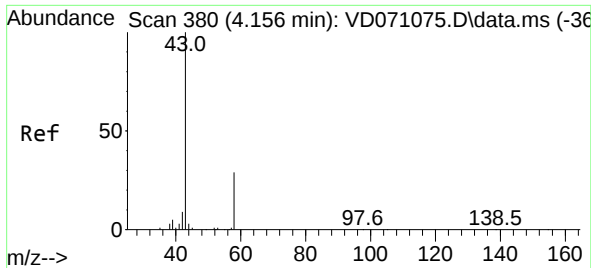
Tgt Ion:168 Resp: 284089
Ion Ratio Lower Upper
168 100
99 63.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.588 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Tgt Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

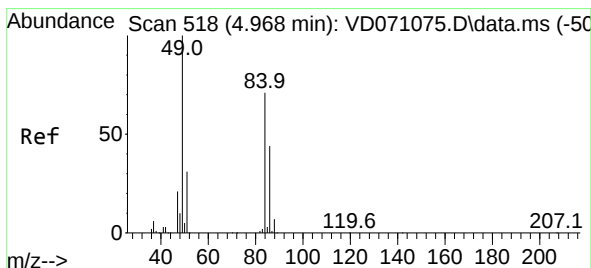
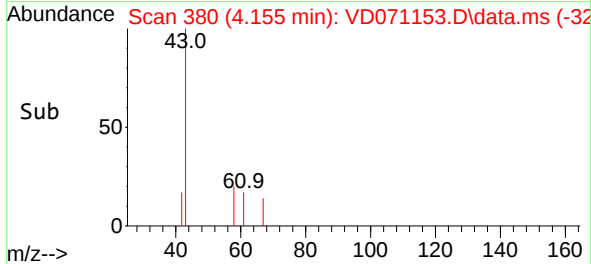
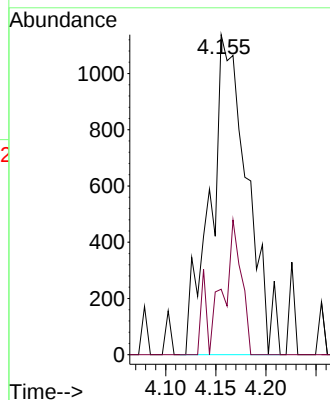
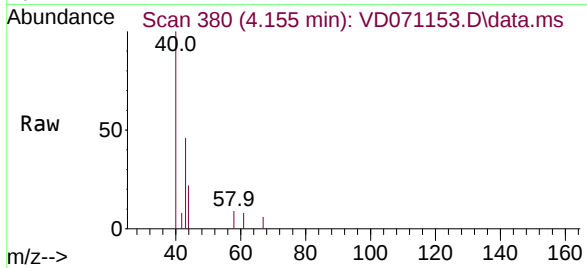




#16
Acetone
Concen: 33.677 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.001 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

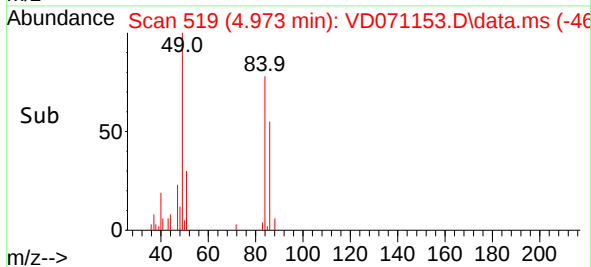
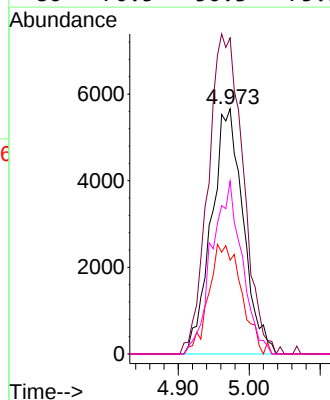
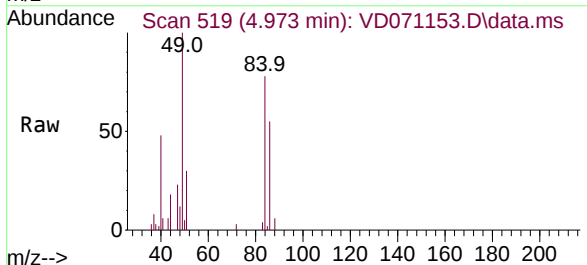
Instrument :
MSVOA_D
ClientSampleId :

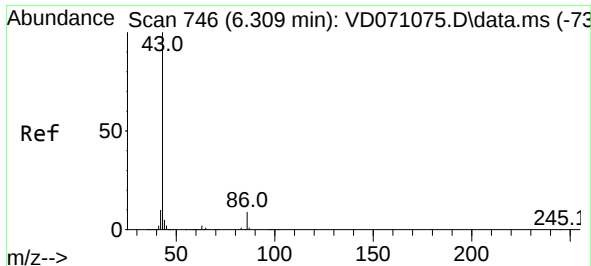
Tgt Ion: 43 Resp: 2908
Ion Ratio Lower Upper
43 100
58 20.5 27.8 41.8#



#20
Methylene Chloride
Concen: 1.151 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 84 Resp: 17597
Ion Ratio Lower Upper
84 100
49 128.9 95.8 143.6
51 38.3 30.9 46.3
86 70.5 50.3 75.5

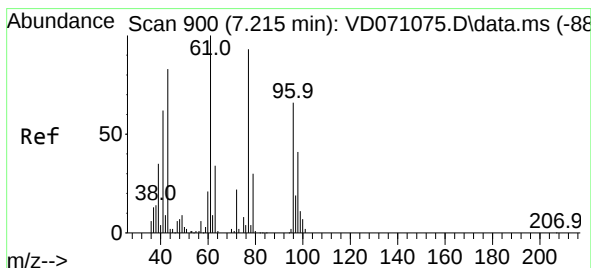
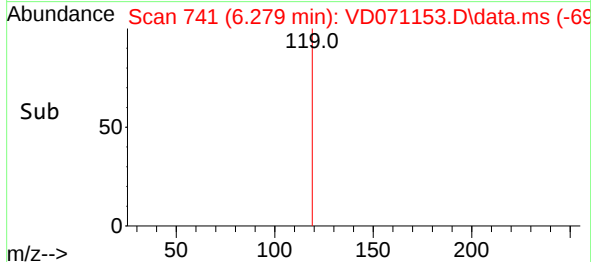
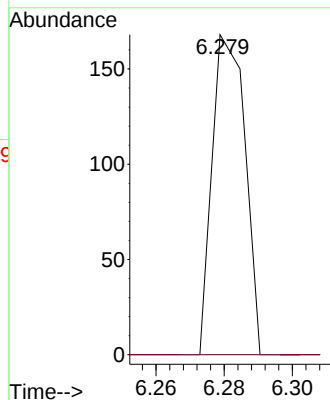
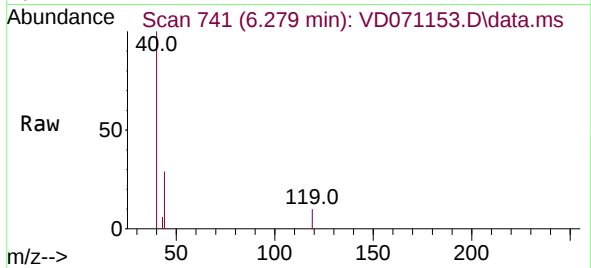




#23
 Vinyl Acetate
 Concen: 27.237 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.030 min
 Lab File: VD071153.D
 Acq: 04 Dec 2021 19:40

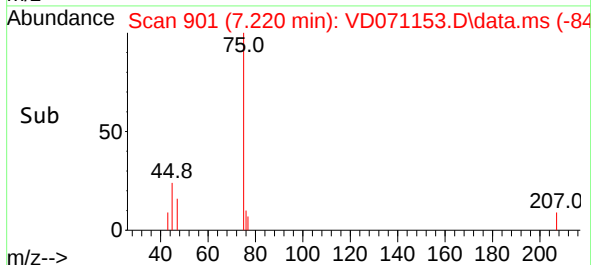
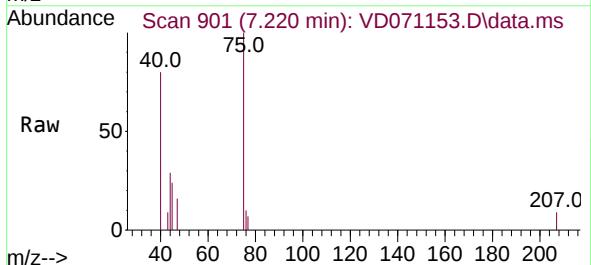
Instrument :
 MSVOA_D
 ClientSampleId :

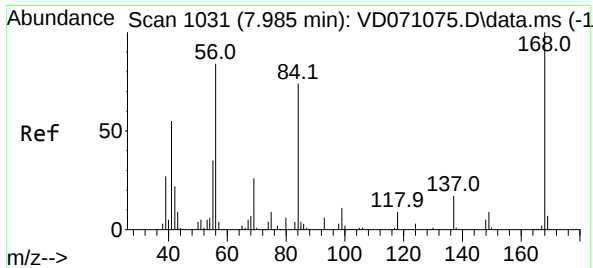
Tgt Ion: 43 Resp: 112
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.714 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071153.D
 Acq: 04 Dec 2021 19:40

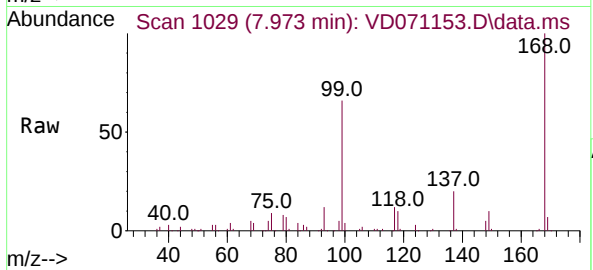
Tgt Ion: 43 Resp: 409
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



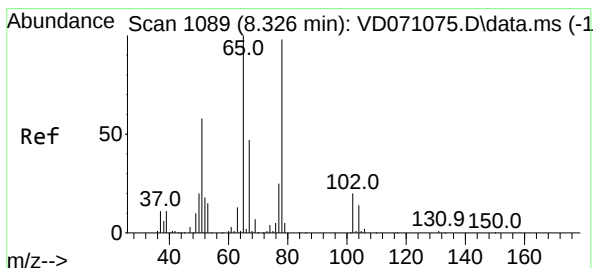
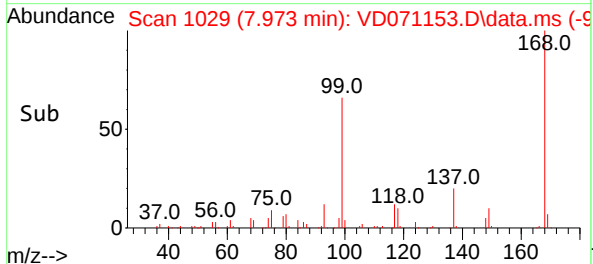
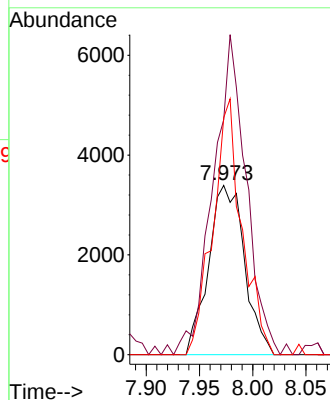


#31
Cyclohexane
Concen: 1.406 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Instrument :
MSVOA_D
ClientSampleId :

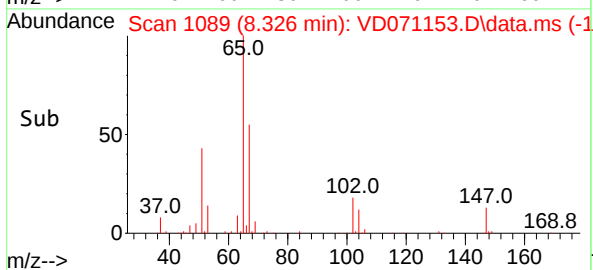
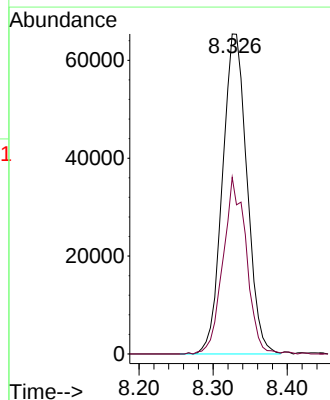
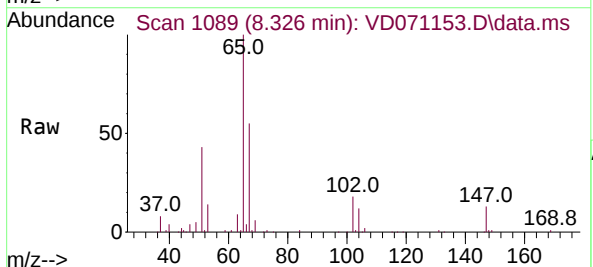


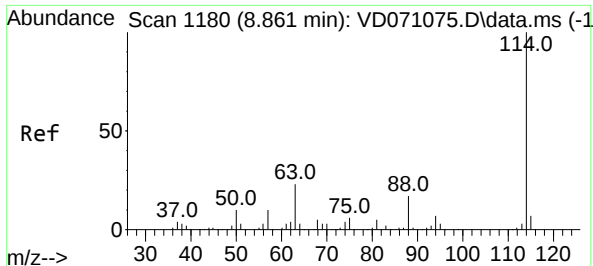
Tgt Ion: 56 Resp: 7973
Ion Ratio Lower Upper
56 100
69 138.7 25.9 38.9#
84 139.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 45.054 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 65 Resp: 150184
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: VD071153.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_D

ClientSampleId :

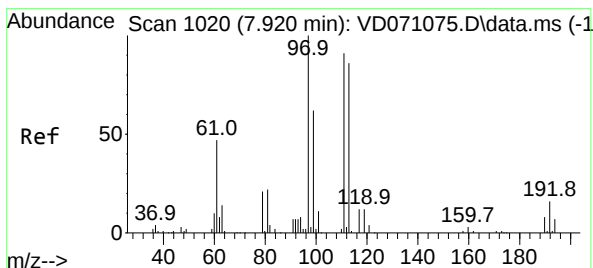
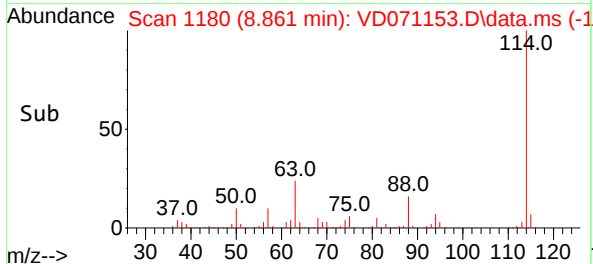
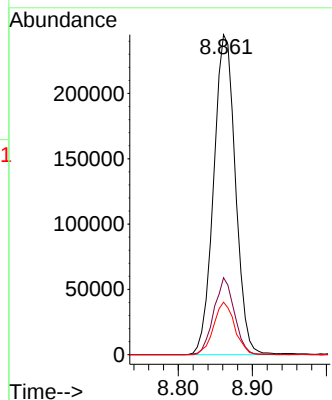
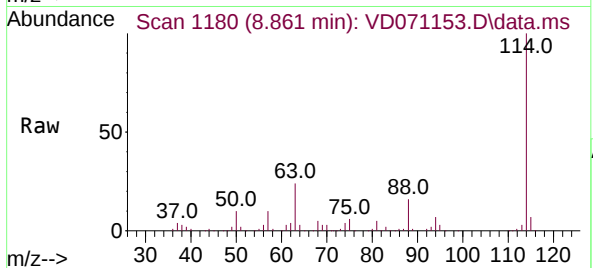
Tgt Ion:114 Resp: 500184

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.880 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

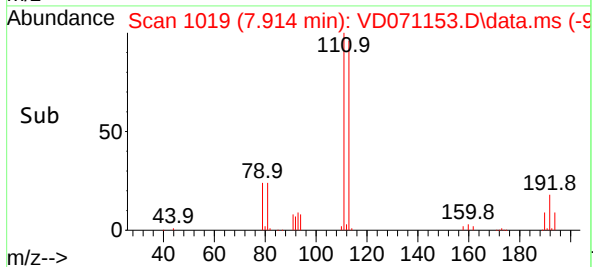
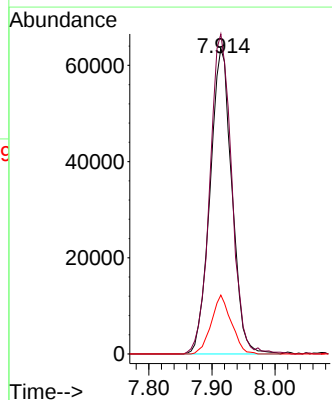
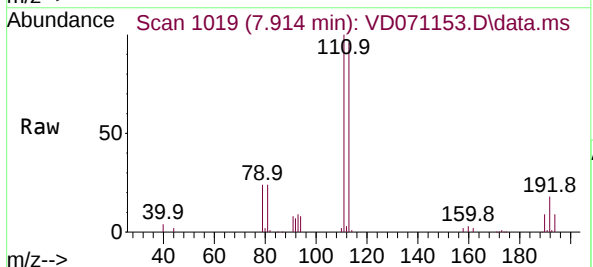
Tgt Ion:113 Resp: 152505

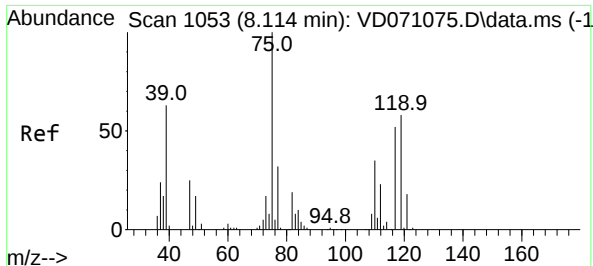
Ion Ratio Lower Upper

113 100

111 105.2 82.0 123.0

192 17.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.719 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

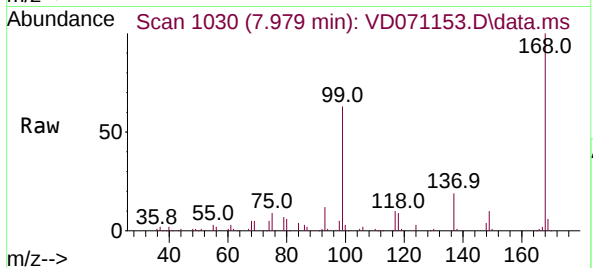
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Acq: 04 Dec 2021 19:40

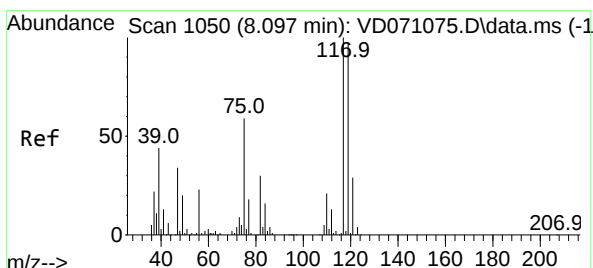
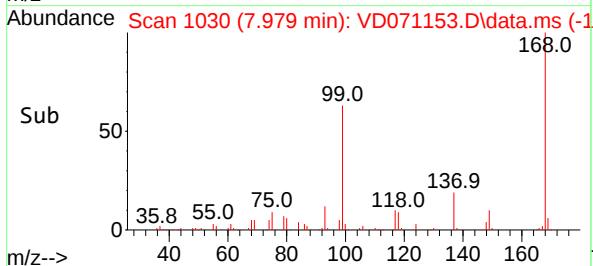
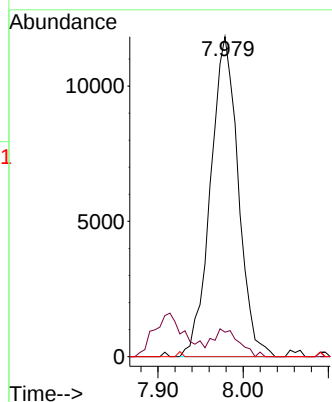
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 26737
Ion Ratio	Lower Upper
75	100
110	8.1 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.742 ug/l

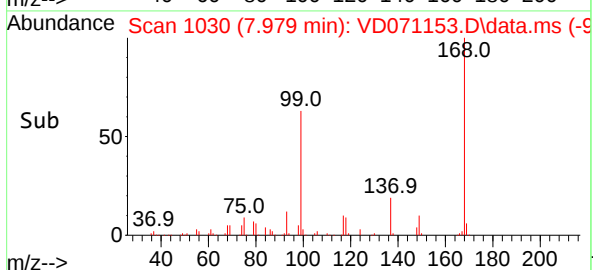
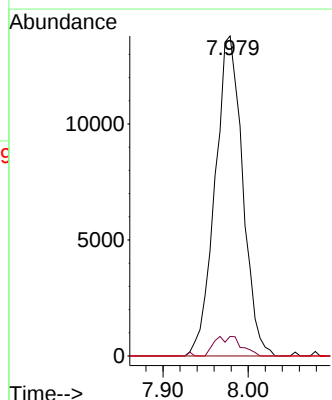
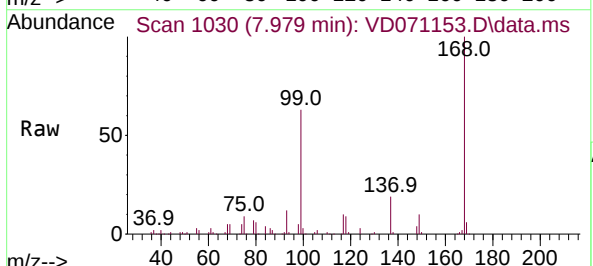
RT: 7.979 min Scan# 1030

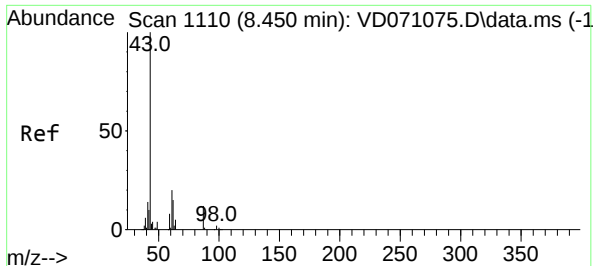
Delta R.T. -0.118 min

Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

Tgt Ion: 117	Resp: 31067
Ion Ratio	Lower Upper
117	100
119	6.1 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.251 ug/l

RT: 8.532 min Scan# 1110

Delta R.T. 0.082 min

Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

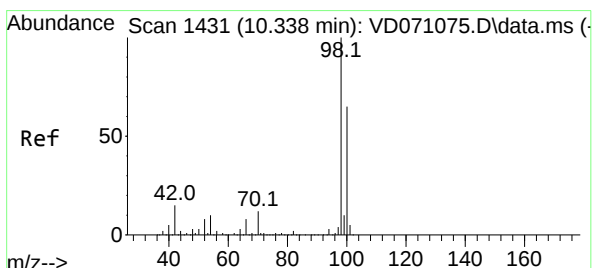
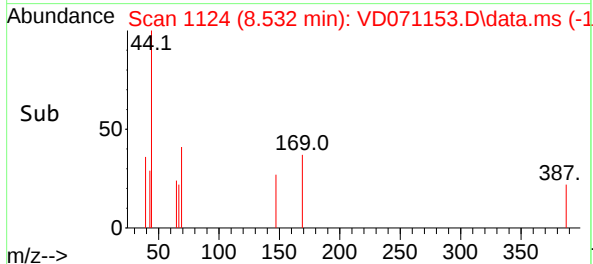
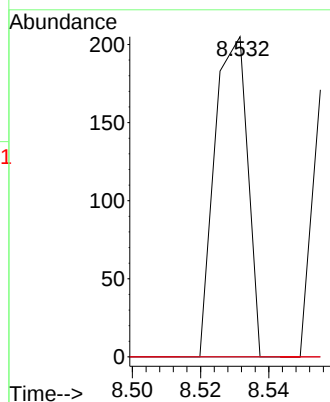
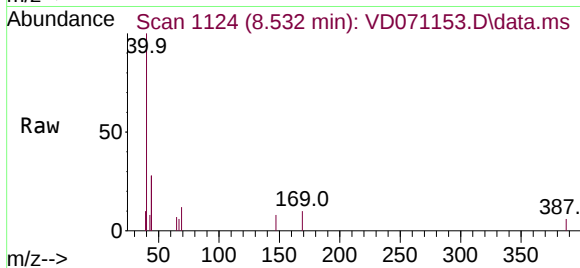
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43 Resp: 137

Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



#50

Toluene-d8

Concen: 53.156 ug/l

RT: 10.337 min Scan# 1431

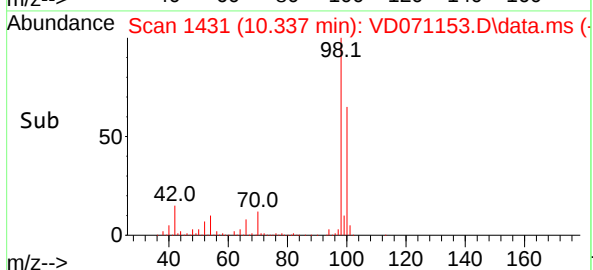
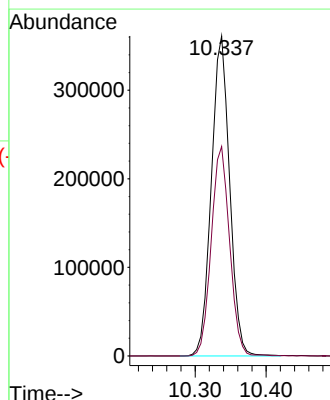
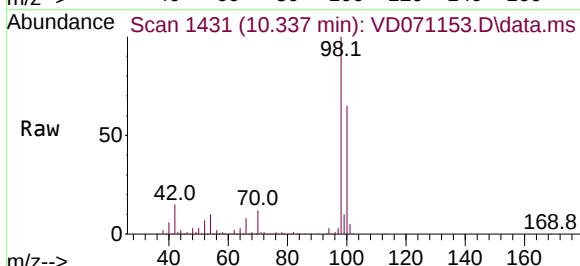
Delta R.T. -0.001 min

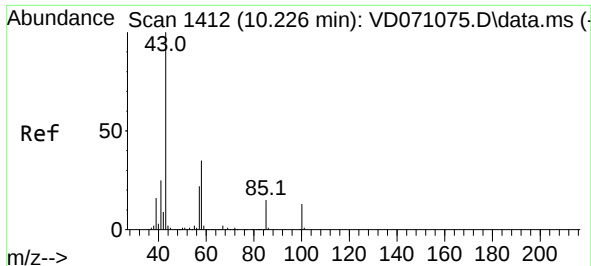
Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

Tgt Ion: 98 Resp: 644308

Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 30.840 ug/l

RT: 10.220 min Scan# 1412

Delta R.T. -0.006 min

Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_D

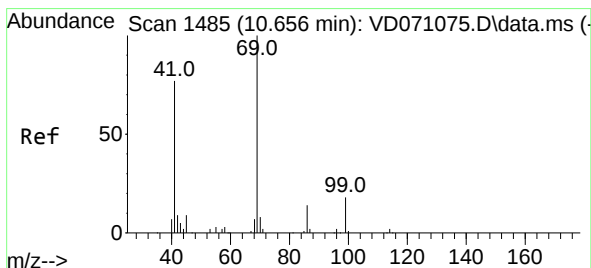
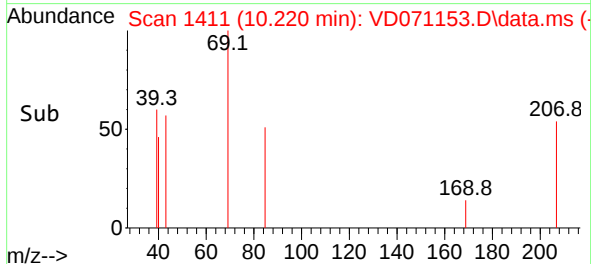
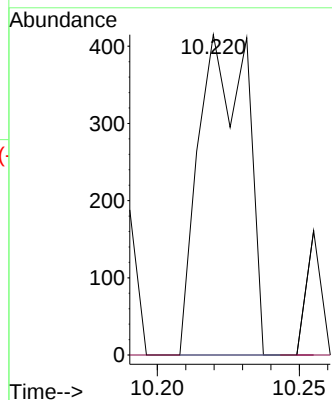
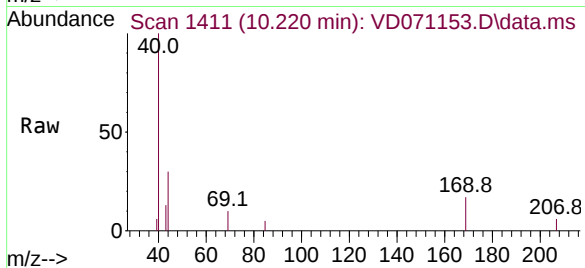
ClientSampleId :

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 6.033 ug/l

RT: 10.643 min Scan# 1483

Delta R.T. -0.013 min

Lab File: VD071153.D

Acq: 04 Dec 2021 19:40

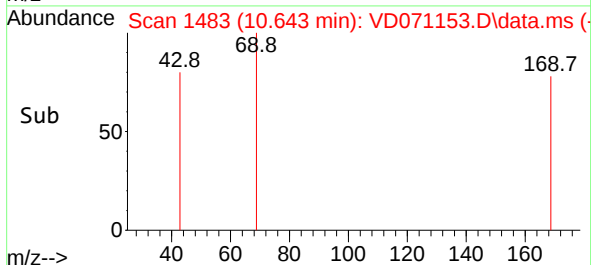
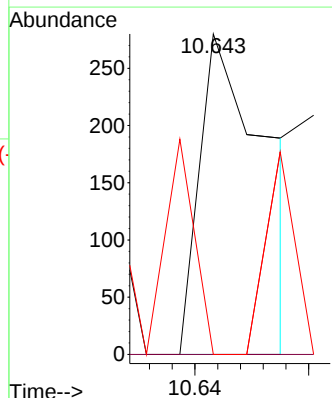
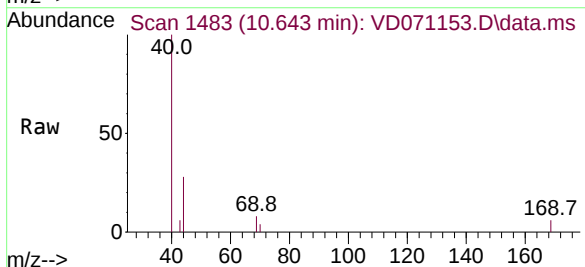
Tgt Ion: 69 Resp: 233

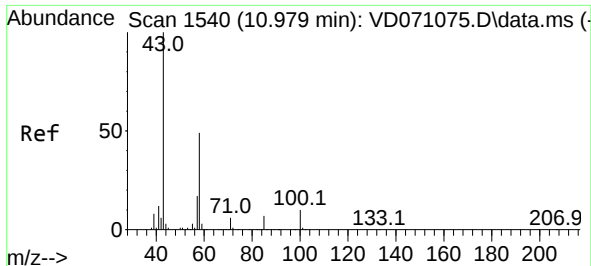
Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

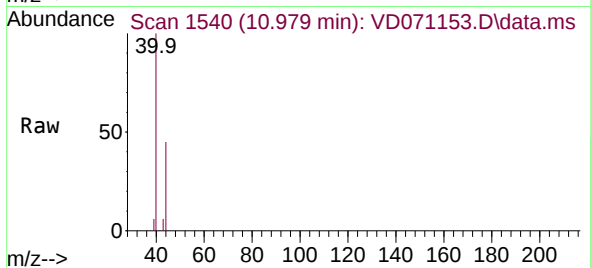
39 26.6 19.8 29.8



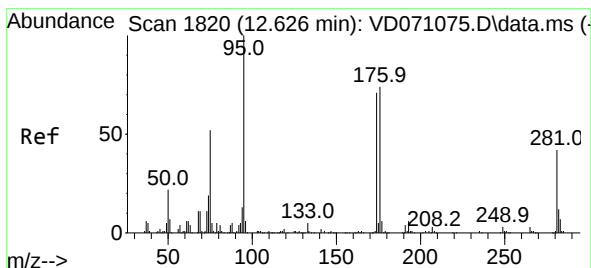
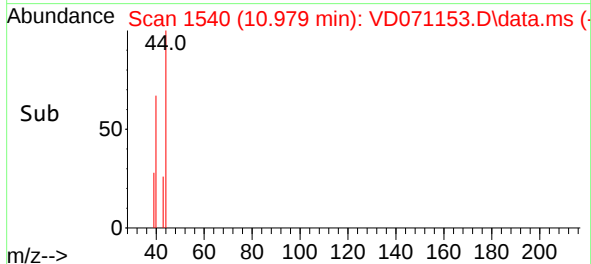
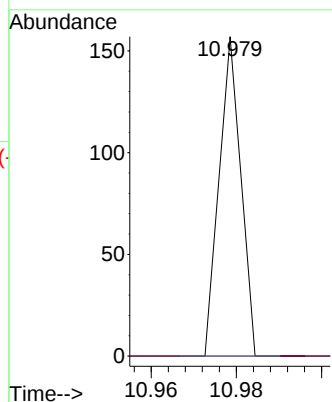


#59
2-Hexanone
Concen: 34.602 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Instrument :
MSVOA_D
ClientSampleId :

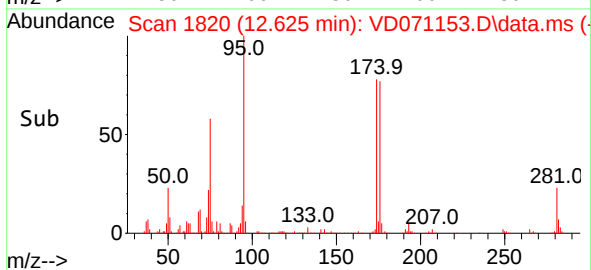
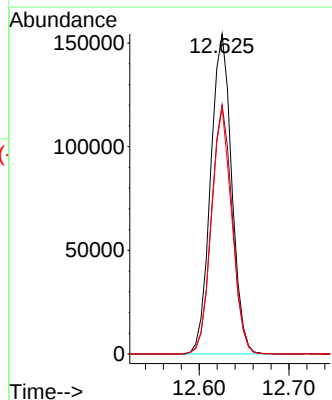
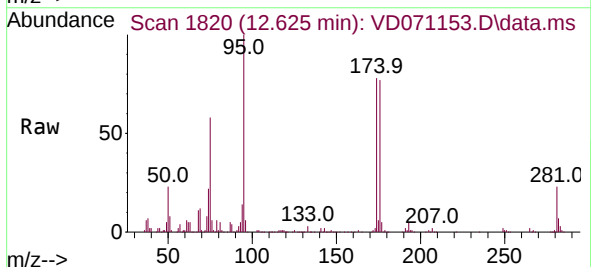


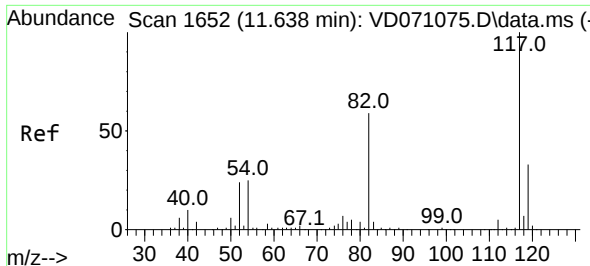
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.901 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 95 Resp: 251680
Ion Ratio Lower Upper
95 100
174 76.8 0.0 159.4
176 74.8 0.0 154.0

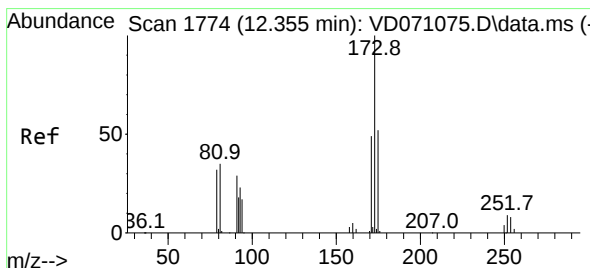
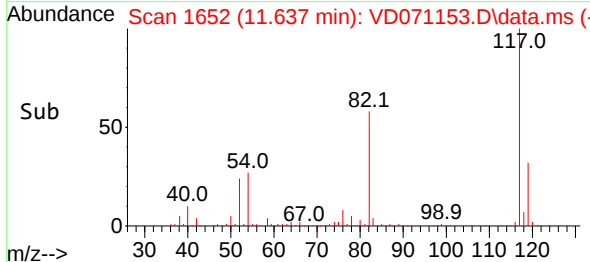
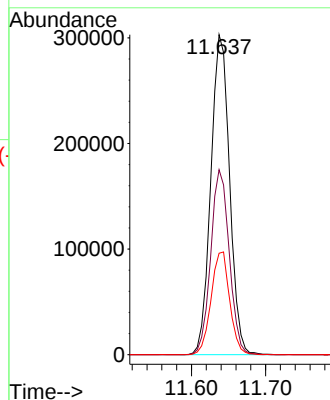
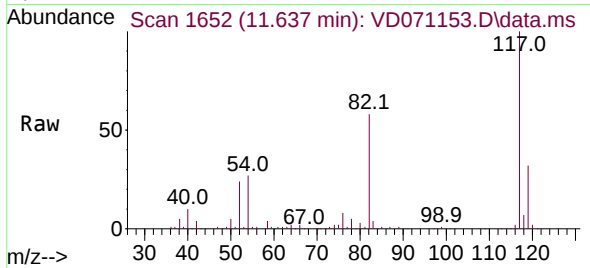




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

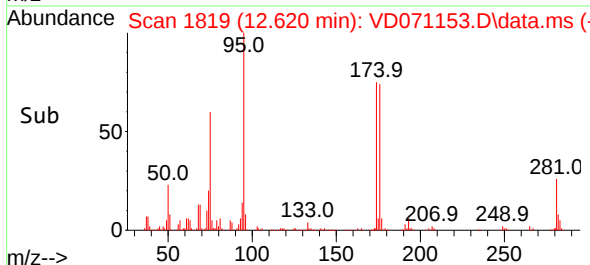
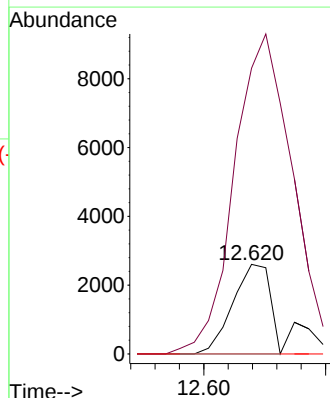
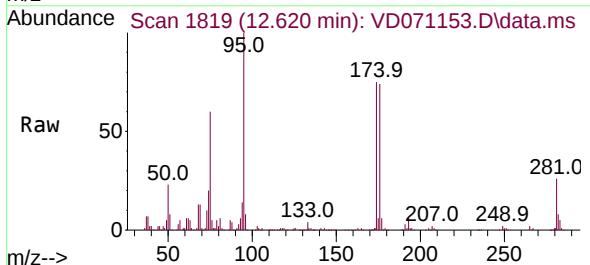
Instrument :
MSVOA_D
ClientSampleId :

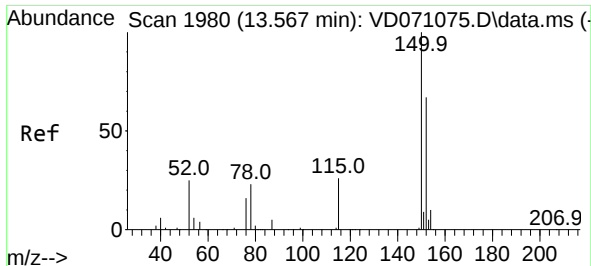
Tgt Ion:117 Resp: 532191
Ion Ratio Lower Upper
117 100
82 57.8 44.7 67.1
119 31.7 26.2 39.4



#71
Bromoform
Concen: 1.483 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

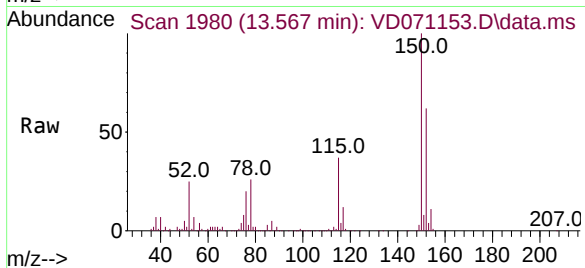
Tgt Ion:173 Resp: 2770
Ion Ratio Lower Upper
173 100
175 446.6 24.1 72.2#
254 0.0 0.1 0.1#



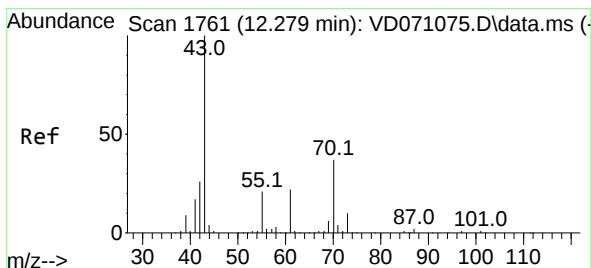
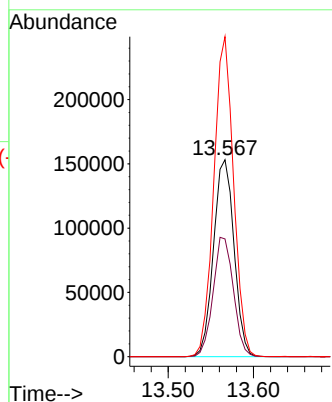
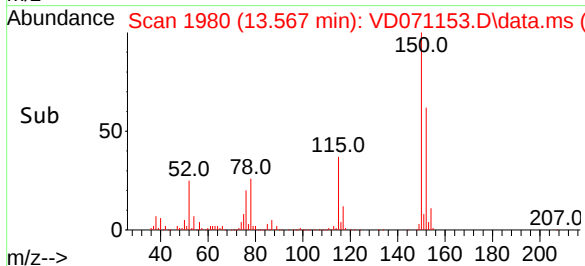


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

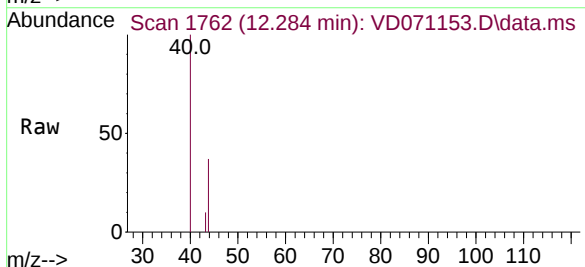
Instrument :
MSVOA_D
ClientSampleId :



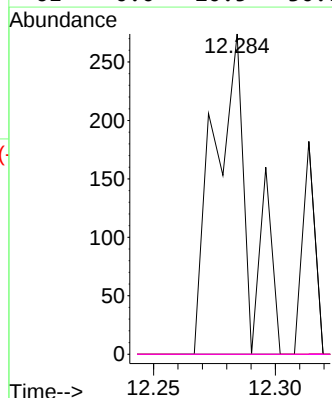
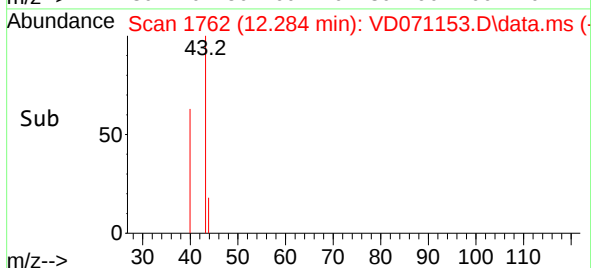
Tgt Ion:152 Resp: 256105
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 156.3 0.0 349.2

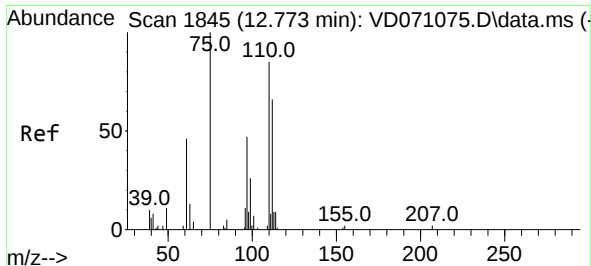


#74
N-ethyl acetate
Concen: 5.750 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40



Tgt Ion: 43 Resp: 280
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#

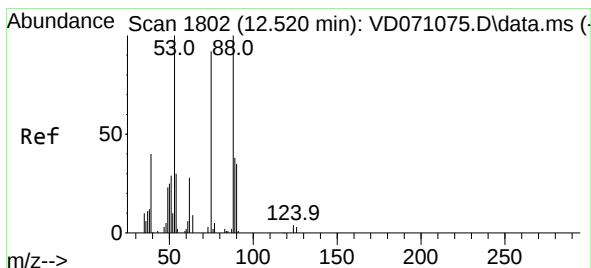
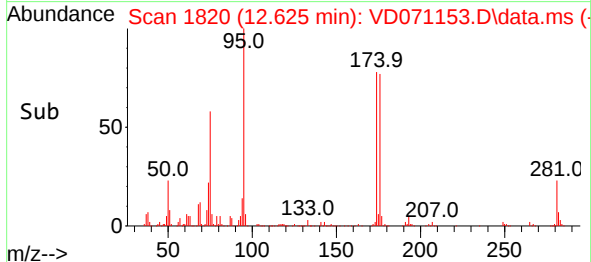
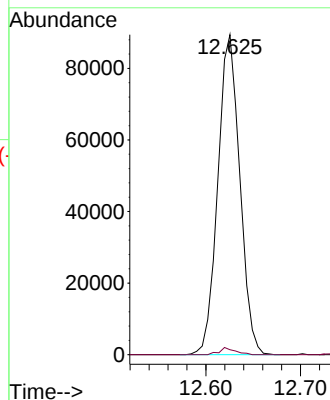
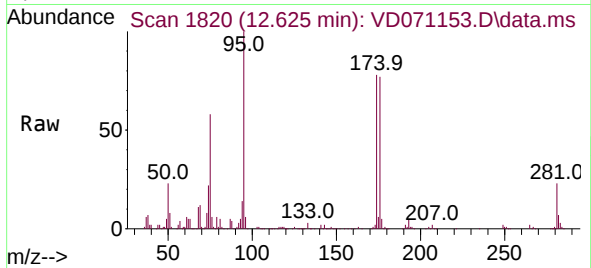




#76
1,2,3-Trichloropropane
Concen: 59.103 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 144215
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.049 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071153.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 75 Resp: 144215
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

