

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071154.D
 Acq On : 04 Dec 2021 20:08
 Operator : VA/SY
 Sample : M4927-10
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:07 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)

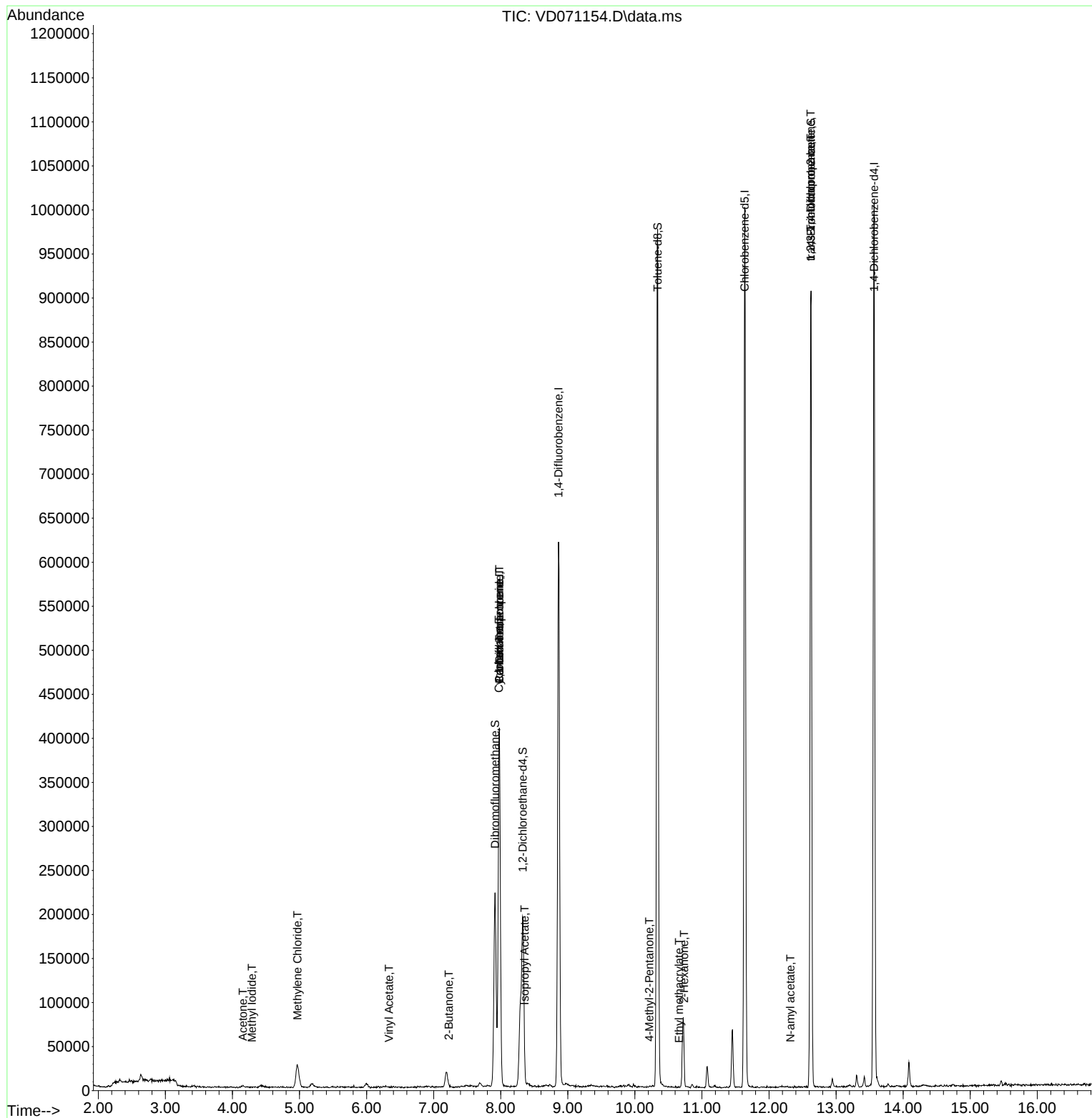
Internal Standards						
1) Pentafluorobenzene	7.979	168	286280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	496136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	518111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	247969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	147412	43.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.760%
35) Dibromofluoromethane	7.914	113	152657	48.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.640%
50) Toluene-d8	10.338	98	639065	53.154	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.300%
62) 4-Bromofluorobenzene	12.626	95	246936	59.252	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.500%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	79	4.582	ug/l #	52
11) Tert butyl alcohol	5.179	59	3177	Below Cal	#	71
16) Acetone	4.156	43	2441	33.196	ug/l #	52
20) Methylene Chloride	4.968	84	19718	1.790	ug/l	93
23) Vinyl Acetate	6.332	43	57	27.228	ug/l #	72
25) 2-Butanone	7.226	43	90	28.436	ug/l #	45
31) Cyclohexane	7.973	56	7708	1.349	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	25395	5.477	ug/l #	43
38) Carbon Tetrachloride	7.979	117	30496	6.672	ug/l #	17
41) Methacrylonitrile	7.561	41	253	Below Cal	#	12
43) Isopropyl Acetate	8.356	43	122	5.248	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	844	30.980	ug/l #	34
56) Ethyl methacrylate	10.661	69	241	6.036	ug/l #	28
59) 2-Hexanone	10.732	43	97	34.623	ug/l	90
74) N-amyl acetate	12.320	43	59	5.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	139380	58.996	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	139380	127.827	ug/l #	18

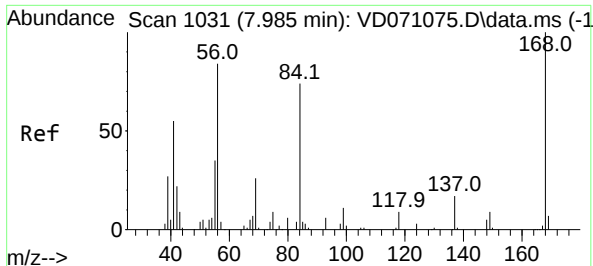
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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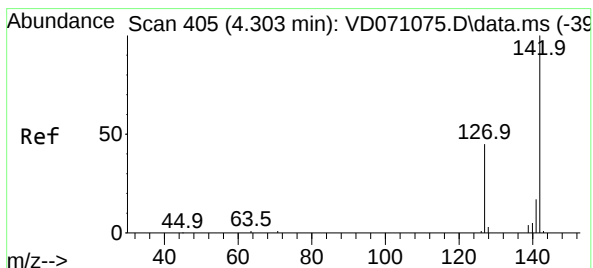
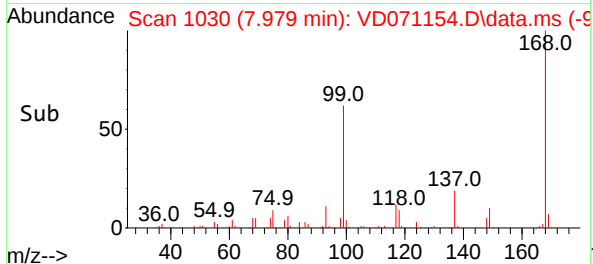
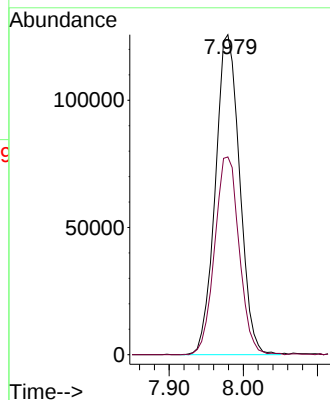
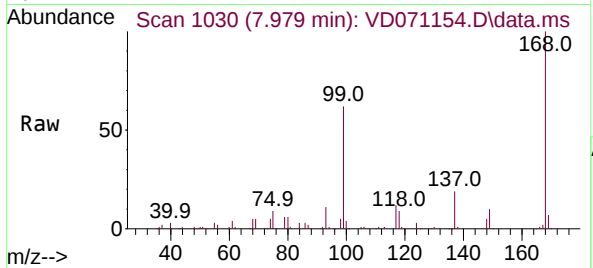




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

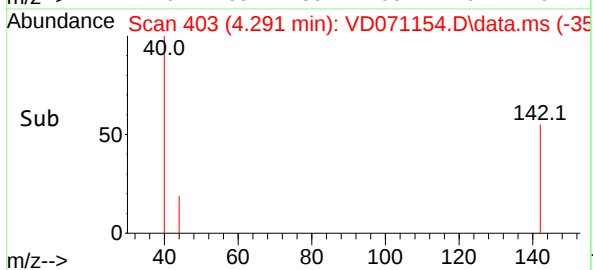
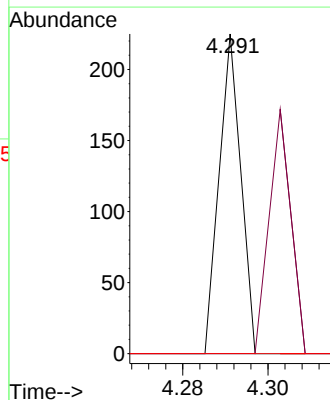
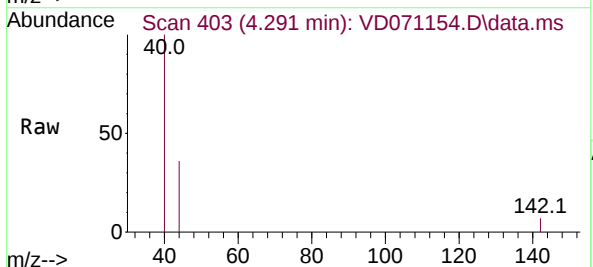
Instrument :
MSVOA_D
ClientSampleId :

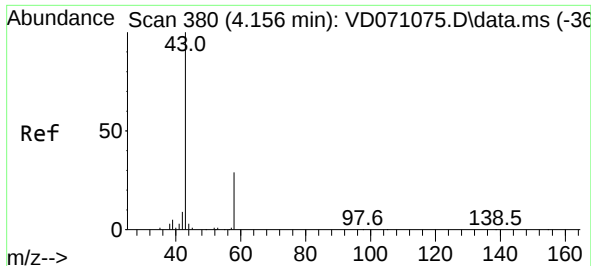
Tgt Ion:168 Resp: 286280
Ion Ratio Lower Upper
168 100
99 61.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.582 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 77.2 35.0 52.4#
141 0.0 12.0 18.0#

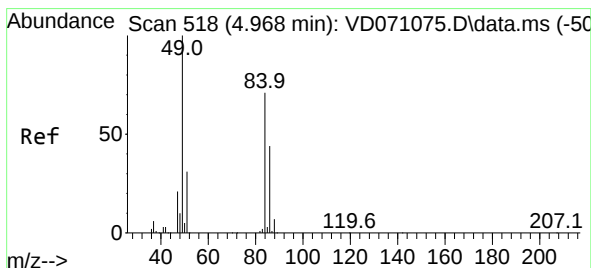
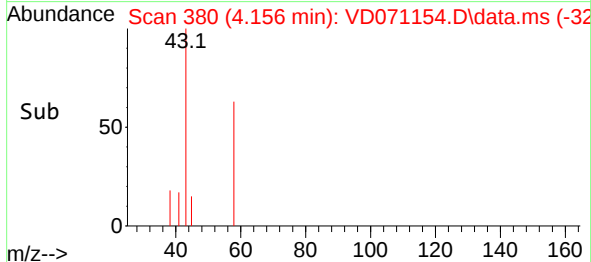
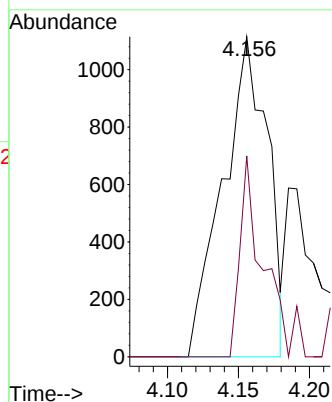
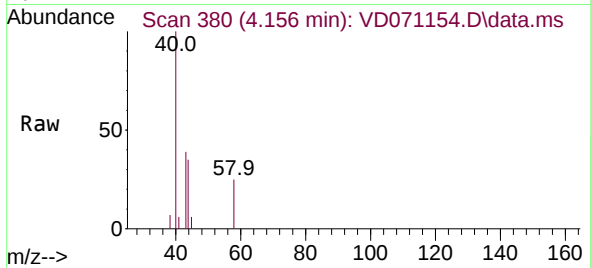




#16
Acetone
Concen: 33.196 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

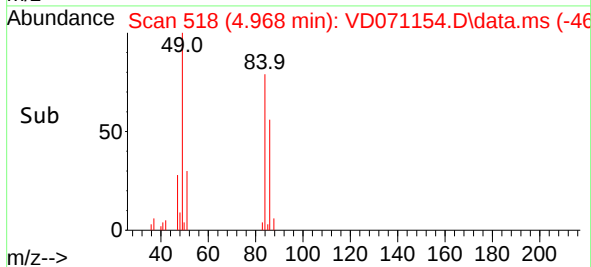
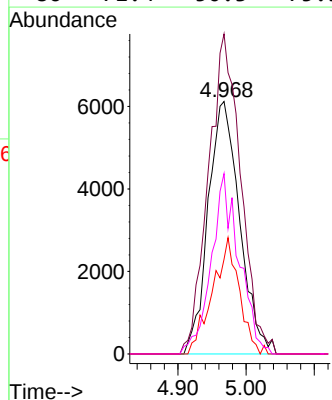
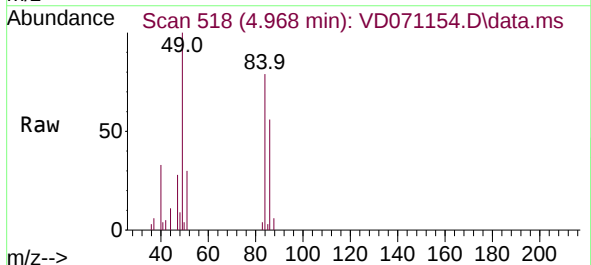
Instrument :
MSVOA_D
ClientSampleId :

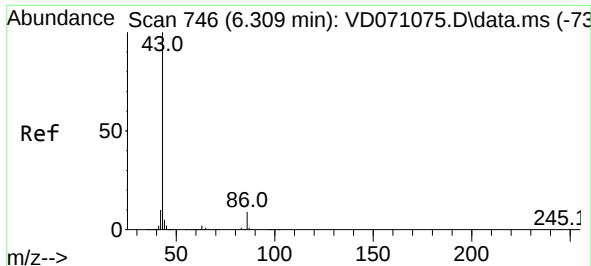
Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
58 62.8 27.8 41.8#



#20
Methylene Chloride
Concen: 1.790 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

Tgt Ion: 84 Resp: 19718
Ion Ratio Lower Upper
84 100
49 126.8 95.8 143.6
51 37.5 30.9 46.3
86 71.4 50.3 75.5

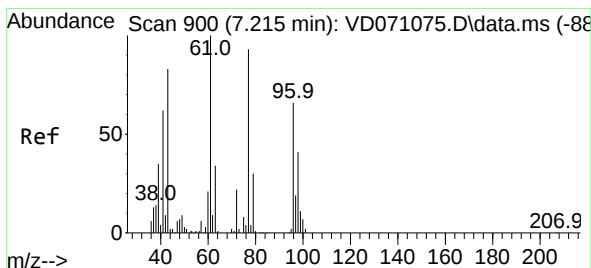
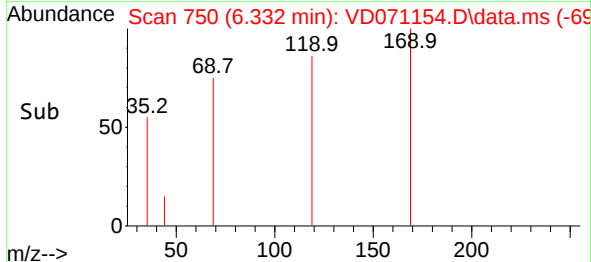
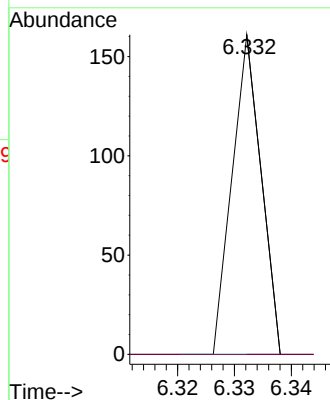
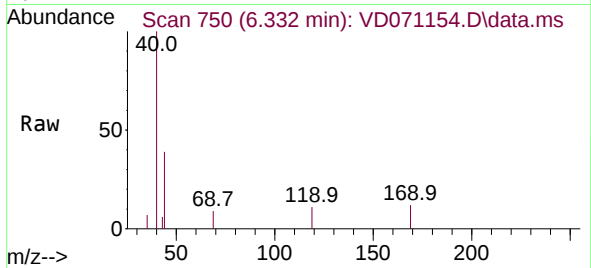




#23
 Vinyl Acetate
 Concen: 27.228 ug/l
 RT: 6.332 min Scan# 71
 Delta R.T. 0.023 min
 Lab File: VD071154.D
 Acq: 04 Dec 2021 20:08

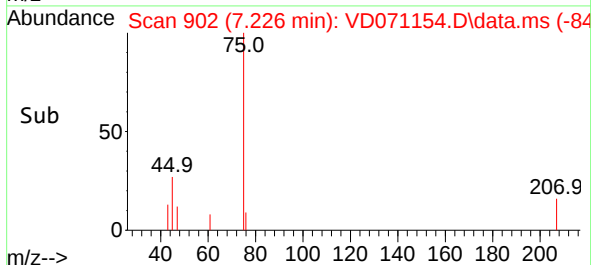
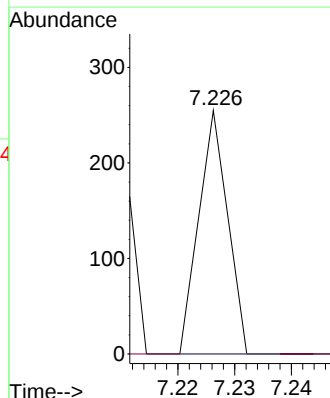
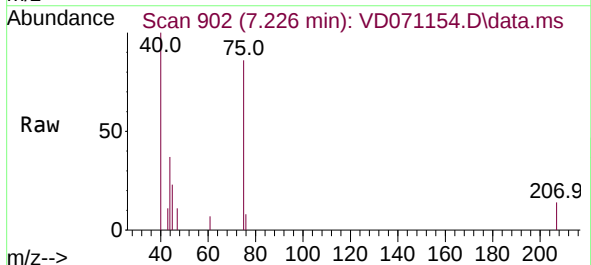
Instrument :
 MSVOA_D
 ClientSampleId :

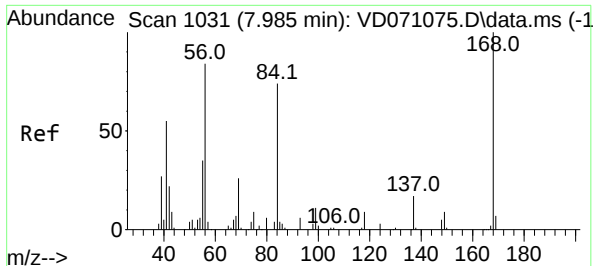
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.436 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071154.D
 Acq: 04 Dec 2021 20:08

Tgt Ion: 43 Resp: 90
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

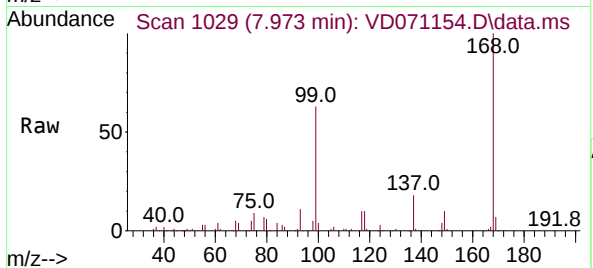
Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :



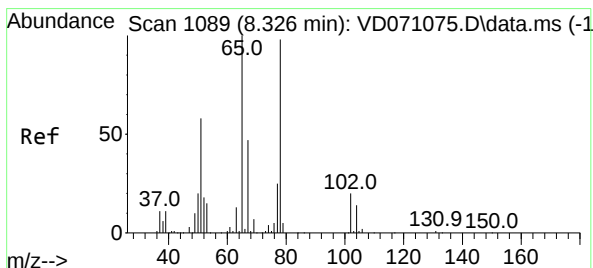
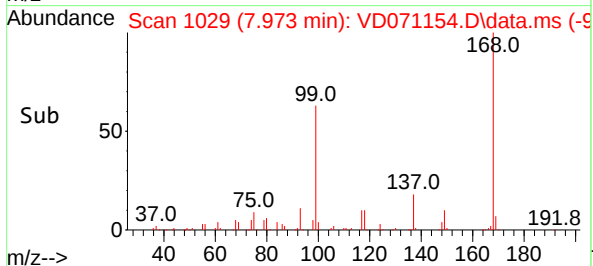
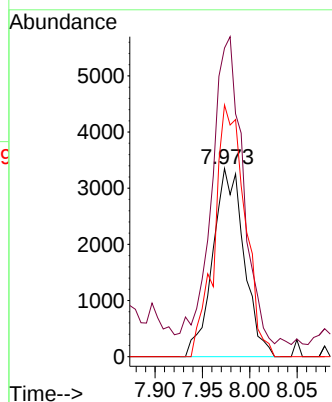
Tgt Ion: 56 Resp: 7708

Ion Ratio Lower Upper

56 100

69 154.3 25.9 38.9#

84 133.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 43.884 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071154.D

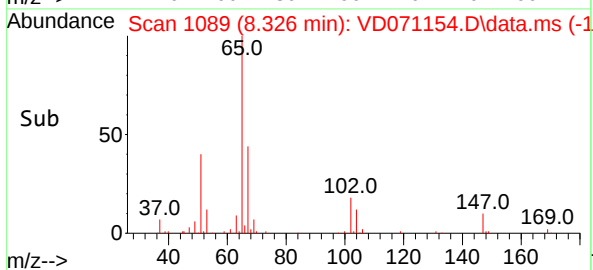
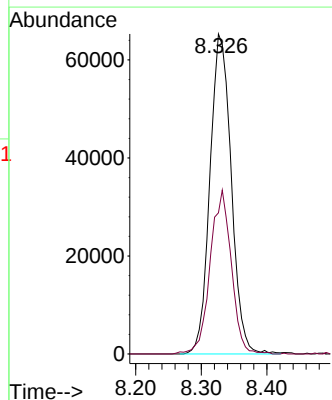
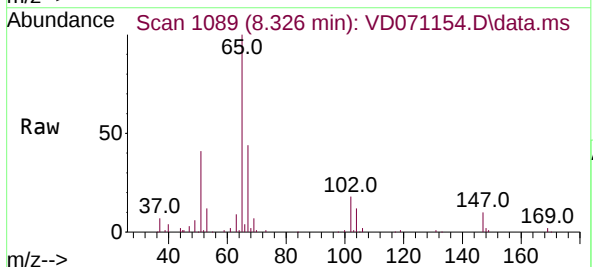
Acq: 04 Dec 2021 20:08

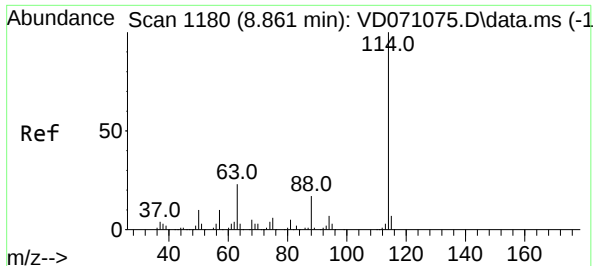
Tgt Ion: 65 Resp: 147412

Ion Ratio Lower Upper

65 100

67 50.7 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

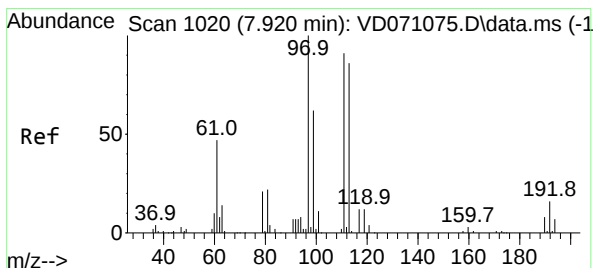
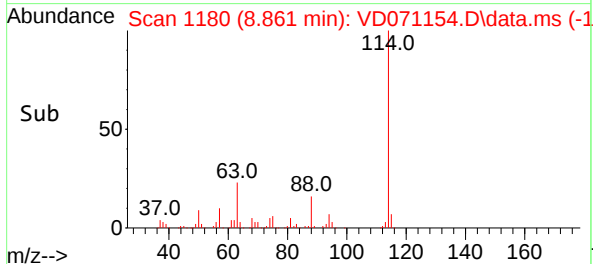
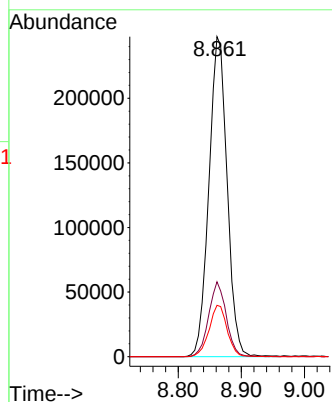
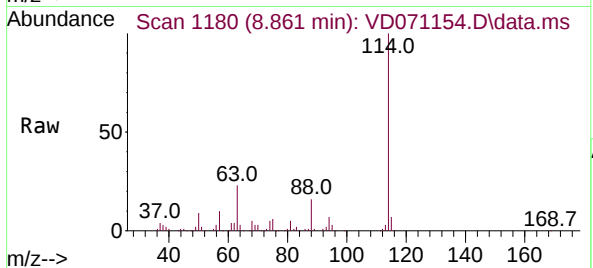
Tgt Ion:114 Resp: 496136

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.319 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

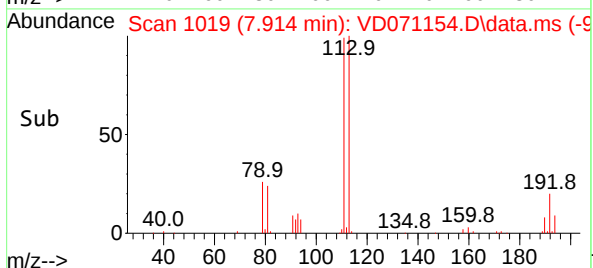
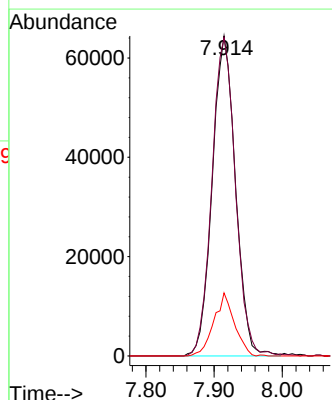
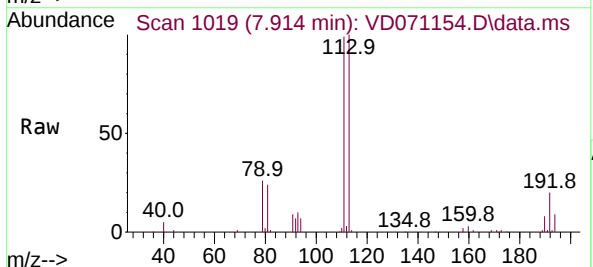
Tgt Ion:113 Resp: 152657

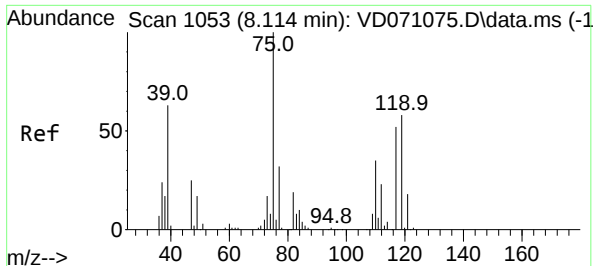
Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 17.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.477 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

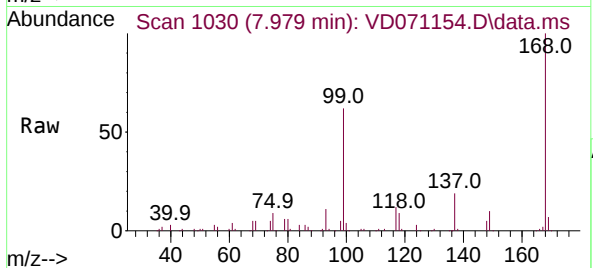
Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

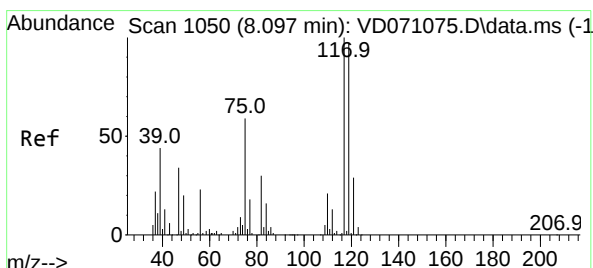
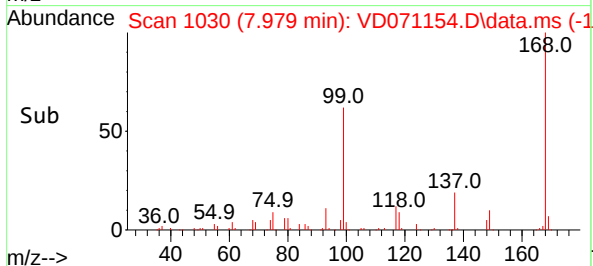
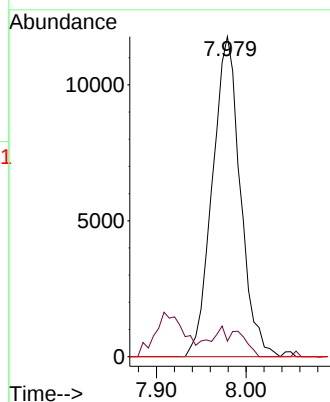
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 25395
Ion Ratio	Lower Upper
75	100
110	1.7 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.672 ug/l

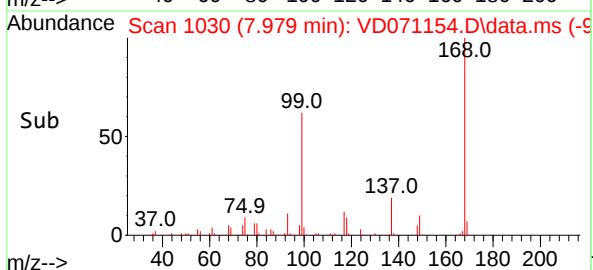
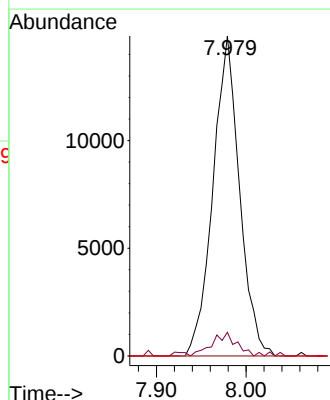
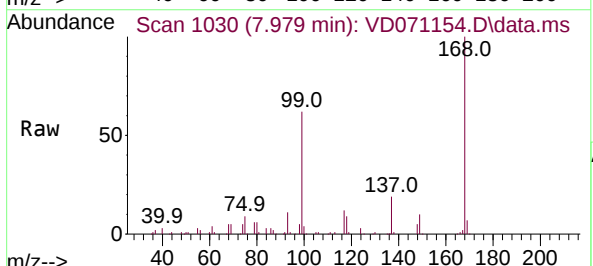
RT: 7.979 min Scan# 1030

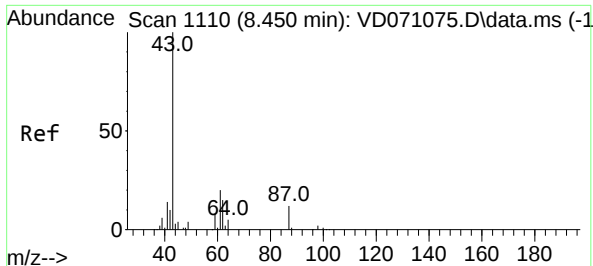
Delta R.T. -0.118 min

Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

Tgt Ion: 117	Resp: 30496
Ion Ratio	Lower Upper
117	100
119	6.3 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.248 ug/l

RT: 8.356 min Scan# 1094

Delta R.T. -0.094 min

Lab File: VD071154.D

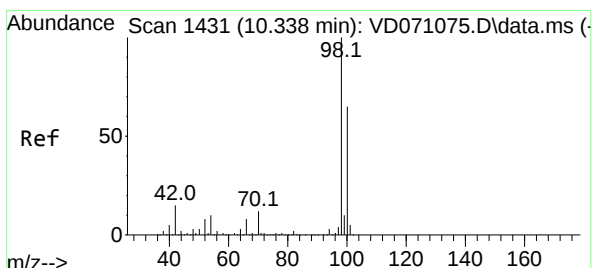
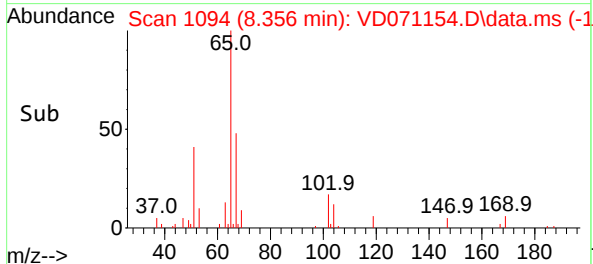
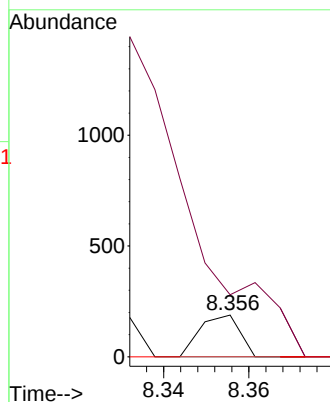
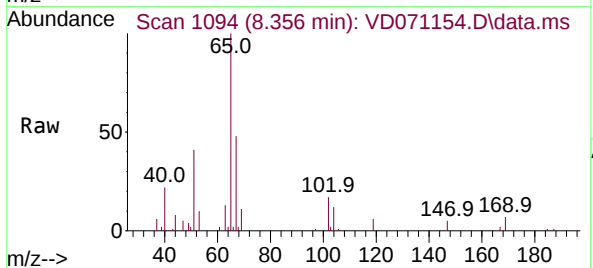
Acq: 04 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 122
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#50

Toluene-d8

Concen: 53.154 ug/l

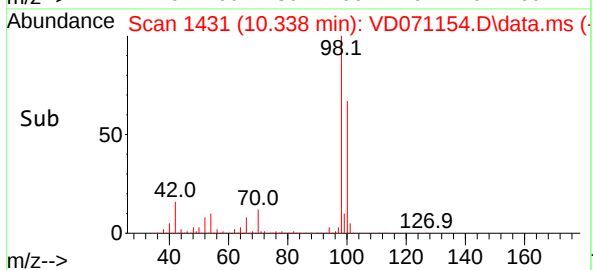
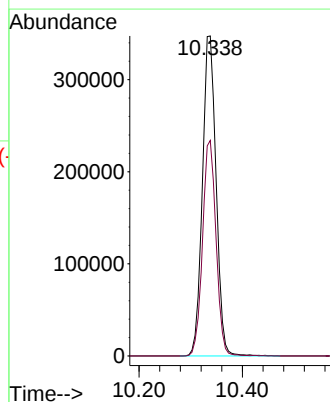
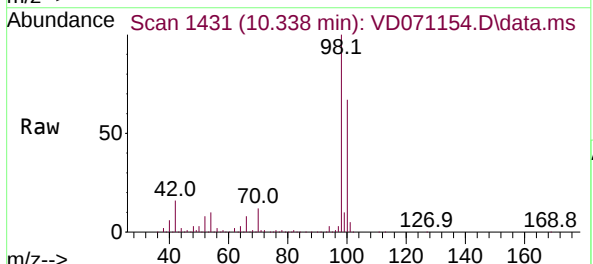
RT: 10.338 min Scan# 1431

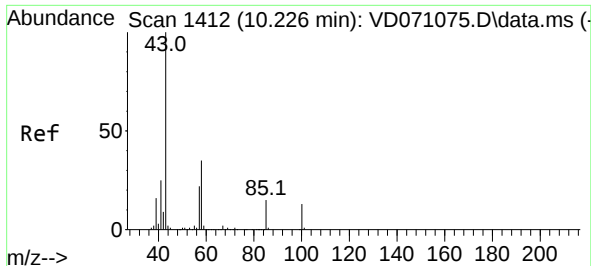
Delta R.T. -0.000 min

Lab File: VD071154.D

Acq: 04 Dec 2021 20:08

Tgt Ion: 98	Resp: 639065
Ion Ratio	Lower Upper
98 100	
100 66.2	51.8 77.6

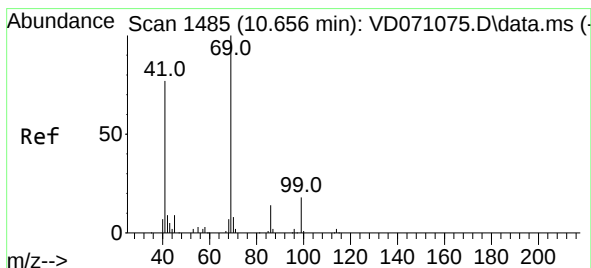
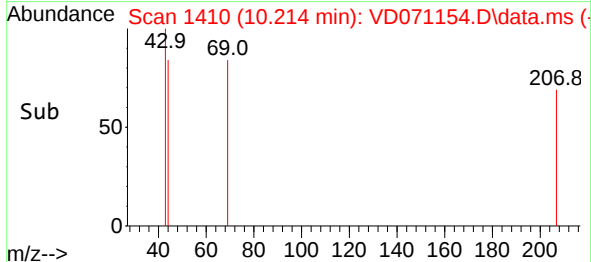
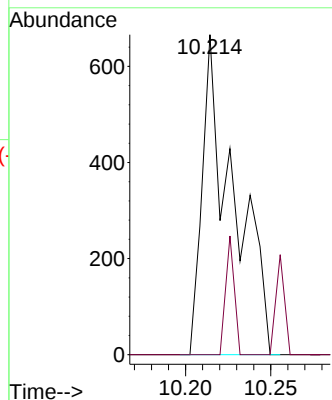
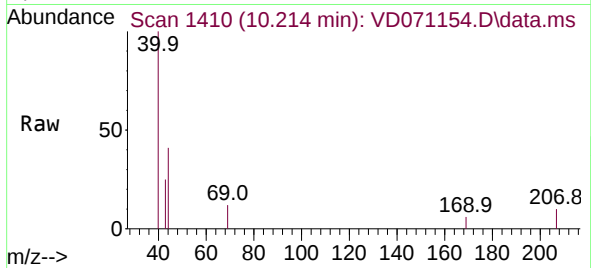




#51
4-Methyl-2-Pentanone
Concen: 30.980 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

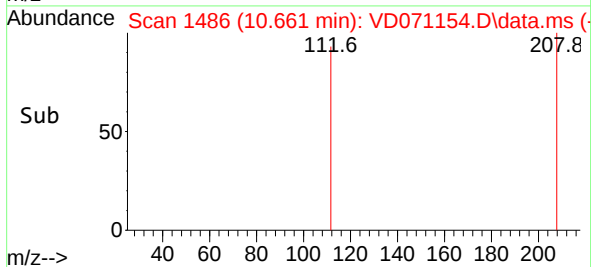
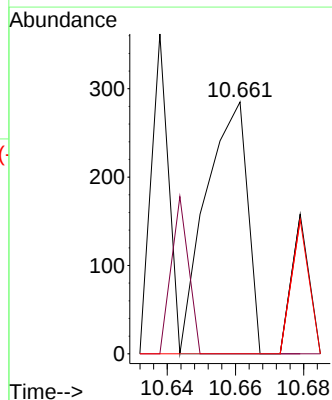
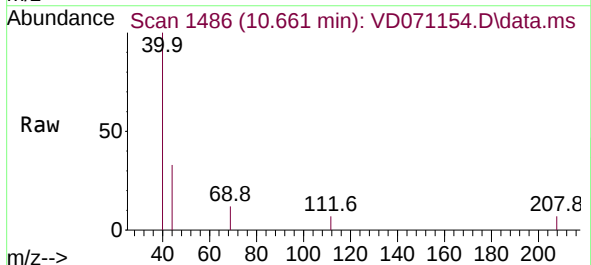
Instrument :
MSVOA_D
ClientSampleId :

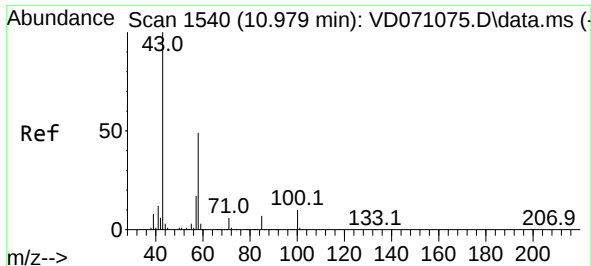
Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.036 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

Tgt Ion: 69 Resp: 241
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

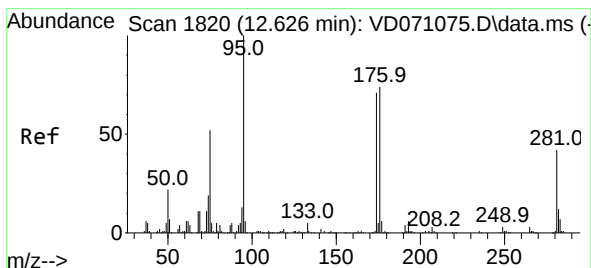
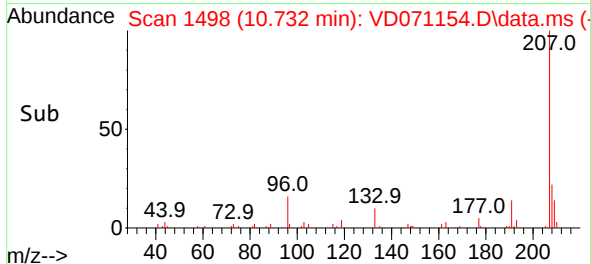
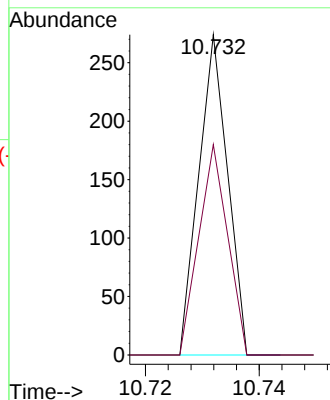
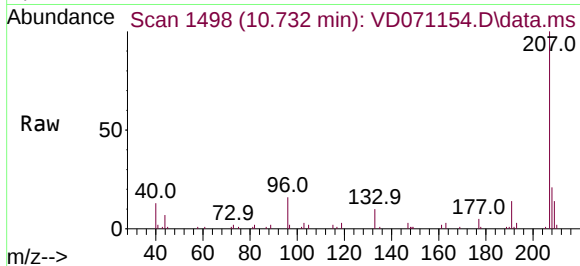




#59
2-Hexanone
Concen: 34.623 ug/l
RT: 10.732 min Scan# 1498
Delta R.T. -0.247 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

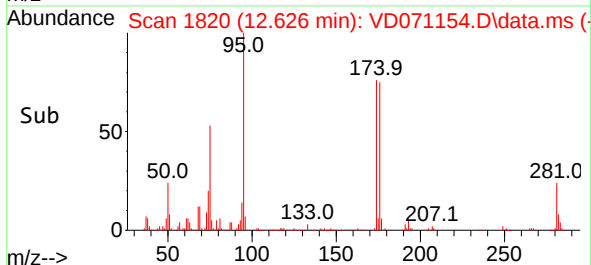
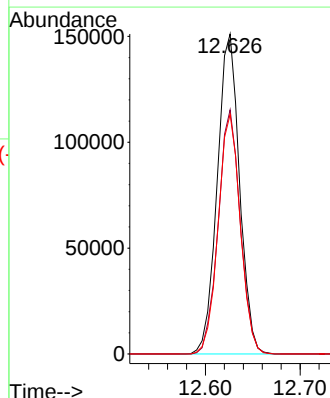
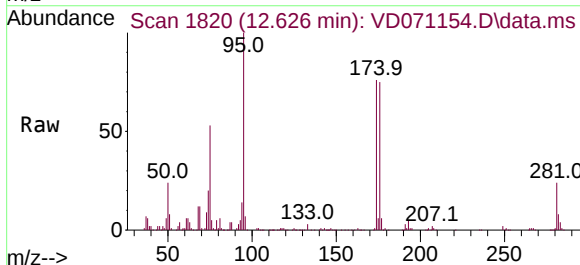
Instrument :
MSVOA_D
ClientSampleId :

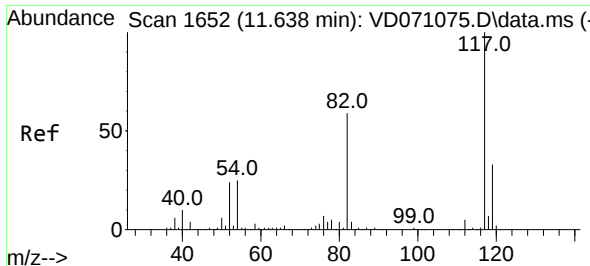
Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 64.9 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 59.252 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

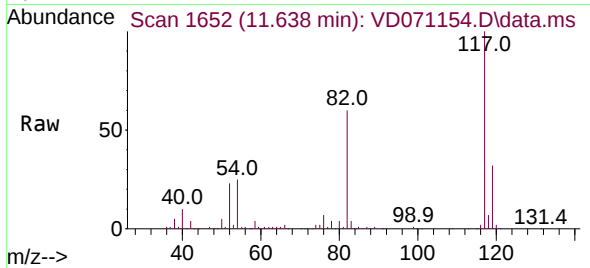
Tgt Ion: 95 Resp: 246936
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 74.2 0.0 154.0



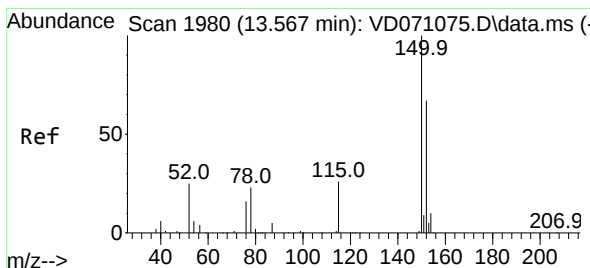
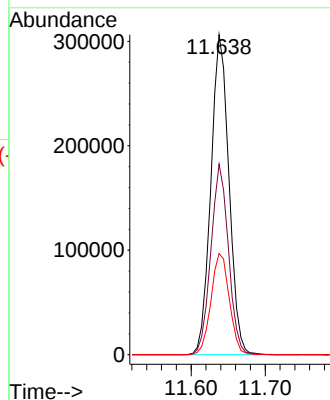
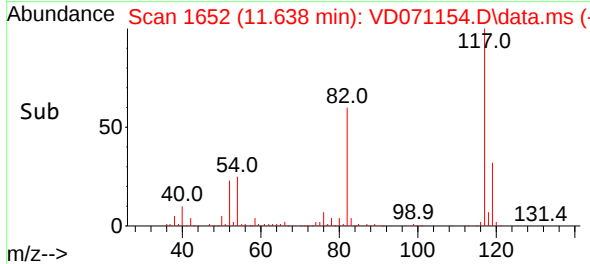


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

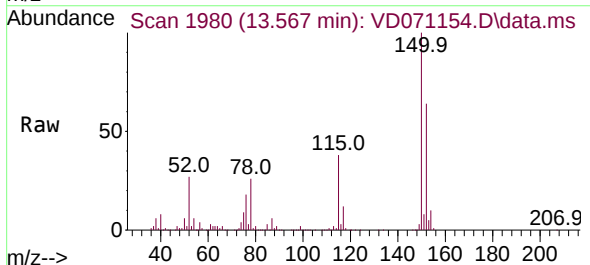
Instrument :
MSVOA_D
ClientSampleId :



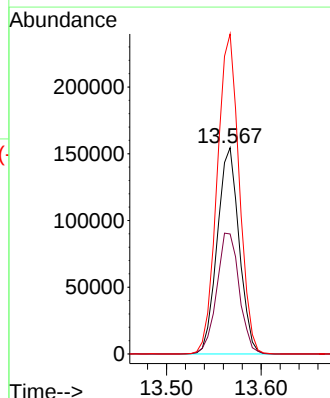
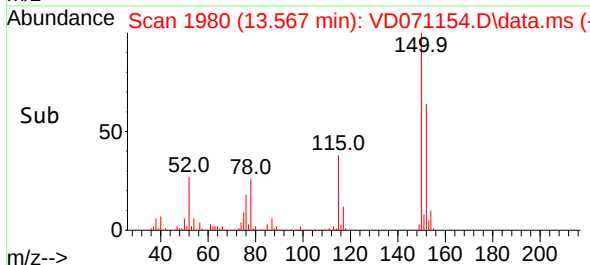
Tgt Ion:117 Resp: 518111
Ion Ratio Lower Upper
117 100
82 59.5 44.7 67.1
119 31.6 26.2 39.4

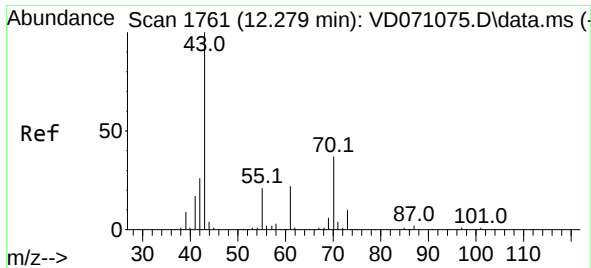


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08



Tgt Ion:152 Resp: 247969
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 156.2 0.0 349.2

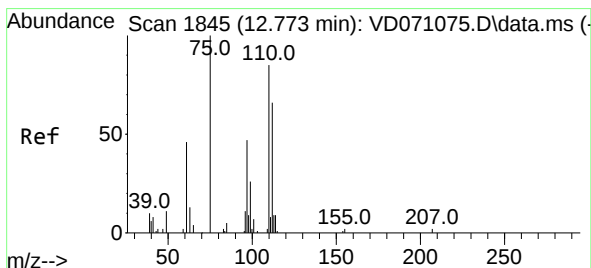
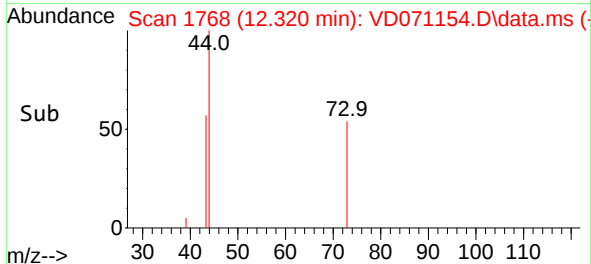
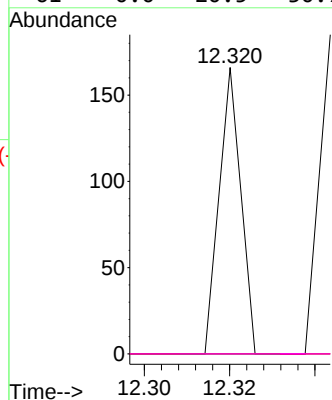
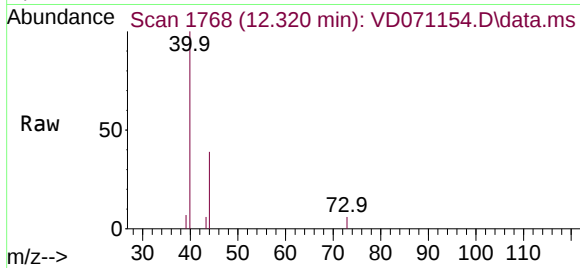




#74
N-amy1 acetate
Concen: 5.712 ug/l
RT: 12.320 min Scan# 1819
Delta R.T. 0.041 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

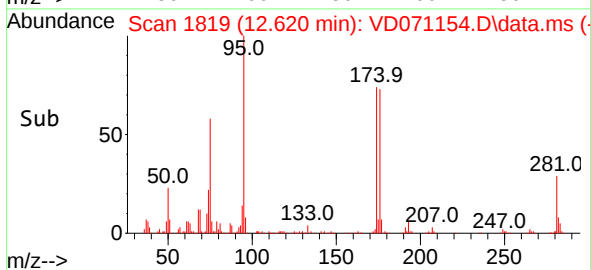
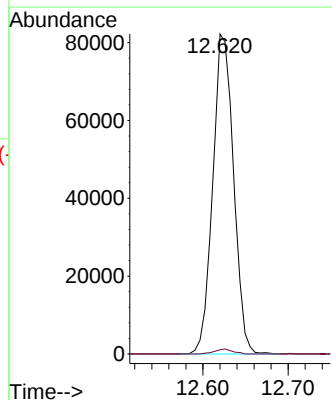
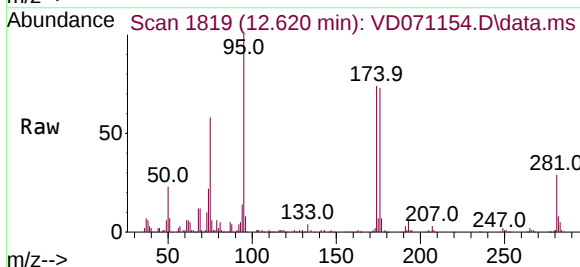
Instrument :
MSVOA_D
ClientSampleId :

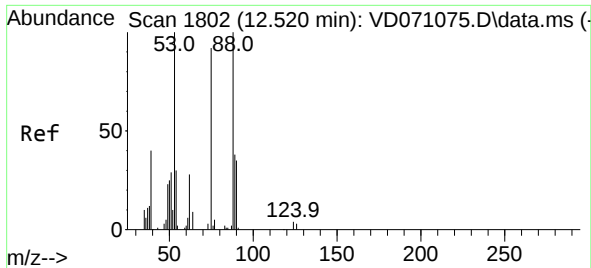
Tgt Ion: 43	Resp: 59
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.996 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071154.D
Acq: 04 Dec 2021 20:08

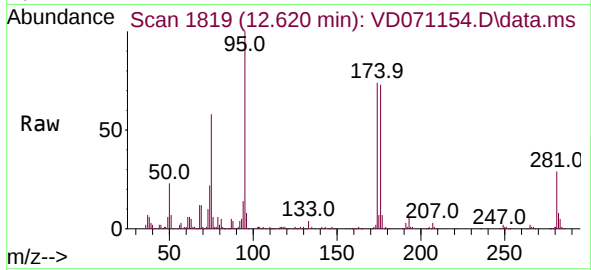
Tgt Ion: 75	Resp: 139380
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.827 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071154.D
 Acq: 04 Dec 2021 20:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 139380
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.4 34.5 51.7#

