

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070973.D
 Acq On : 10 Nov 2021 16:38
 Operator : VA/SY
 Sample : M4541-01RE
 Misc : 4.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:30:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

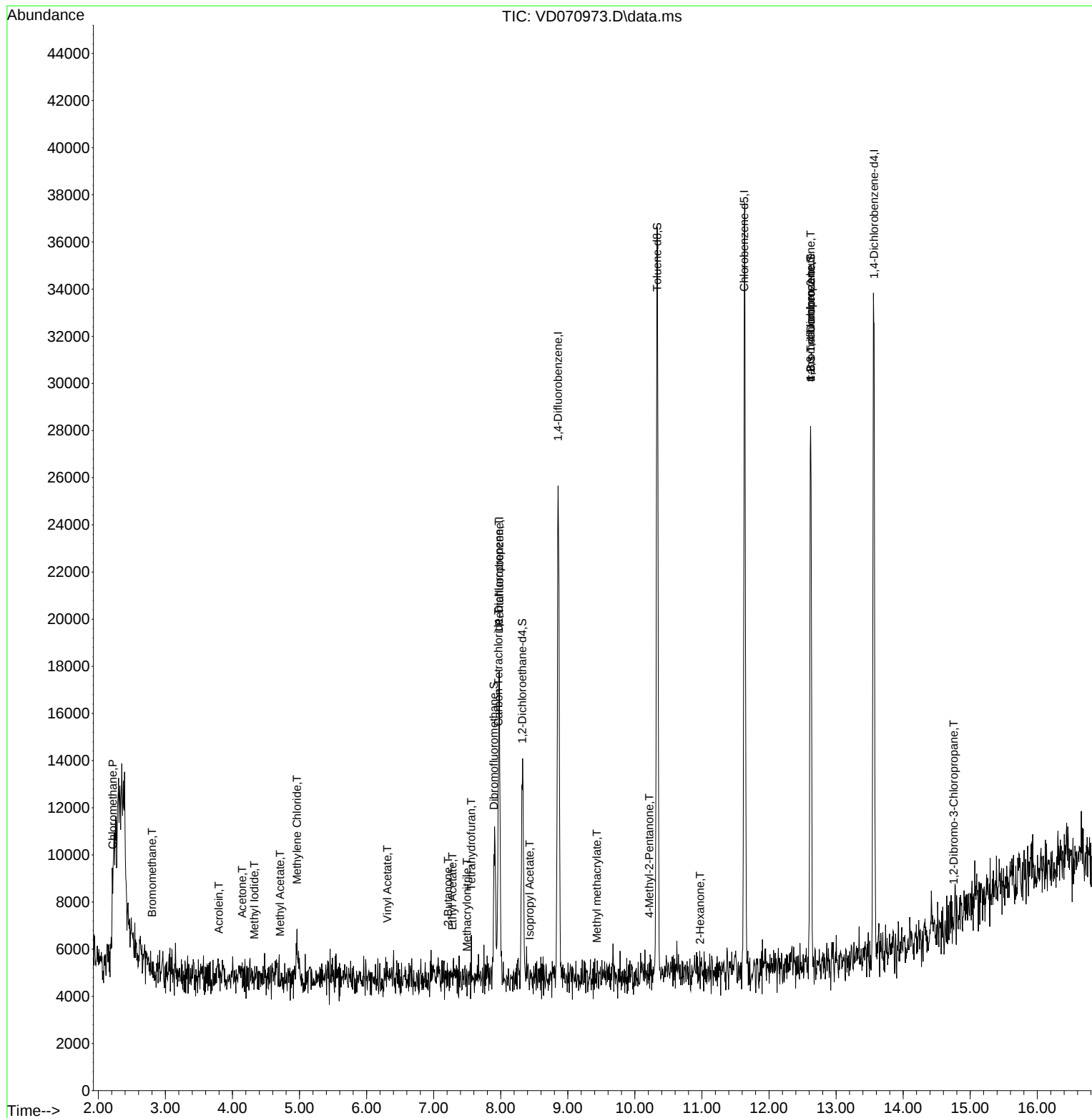
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	9314	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.856	114	17593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	16951	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	7307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	7106	71.657	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.320%	
35) Dibromofluoromethane	7.897	113	4333	43.647	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.300%	
50) Toluene-d8	10.332	98	21213	54.563	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.120%	
62) 4-Bromofluorobenzene	12.620	95	7756	55.406	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	276	2.915	ug/l	# 42
5) Bromomethane	2.803	94	296	4.769	ug/l	# 3
10) Methyl Iodide	4.326	142	58	6.494	ug/l	# 40
13) Acrolein	3.797	56	126	52.651	ug/l	# 71
16) Acetone	4.144	43	1040	55.555	ug/l	# 40
18) Methyl Acetate	4.709	43	125	1.469	ug/l	# 51
20) Methylene Chloride	4.962	84	427	3.392	ug/l	# 66
23) Vinyl Acetate	6.309	43	299	22.384	ug/l	# 72
25) 2-Butanone	7.214	43	339	29.365	ug/l	# 45
29) Tetrahydrofuran	7.562	42	72	3.573	ug/l	# 34
36) 1,1-Dichloropropene	7.973	75	745	4.743	ug/l	# 41
37) Ethyl Acetate	7.279	43	212	2.958	ug/l	# 66
38) Carbon Tetrachloride	7.967	117	943	6.519	ug/l	# 12
41) Methacrylonitrile	7.497	41	139	5.954	ug/l	# 38
43) Isopropyl Acetate	8.432	43	250	1.648	ug/l	# 47
48) Methyl methacrylate	9.432	41	124	1.667	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.214	43	172	2.339	ug/l	# 34
59) 2-Hexanone	10.973	43	60	16.912	ug/l	# 22
76) 1,2,3-Trichloropropane	12.620	75	4372	70.046	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	4372	129.231	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.755	75	59	3.970	ug/l	# 4

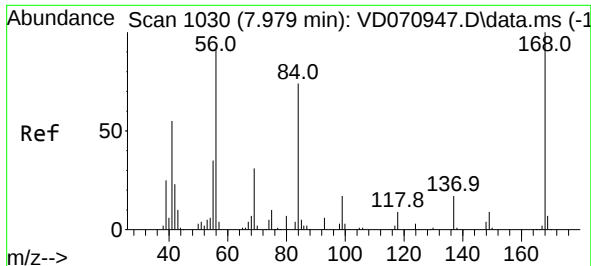
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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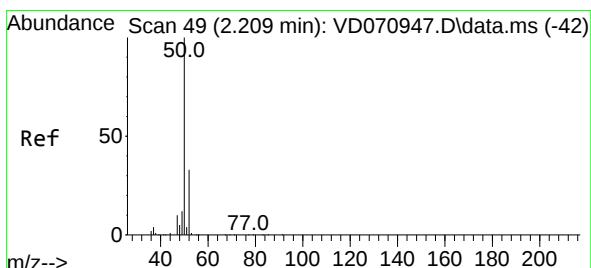
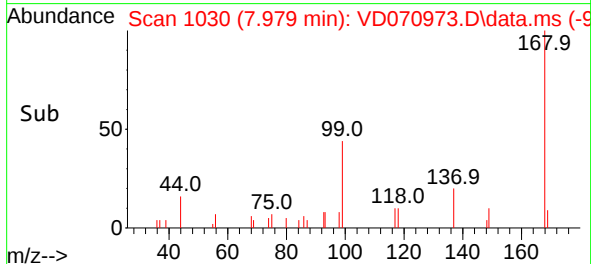
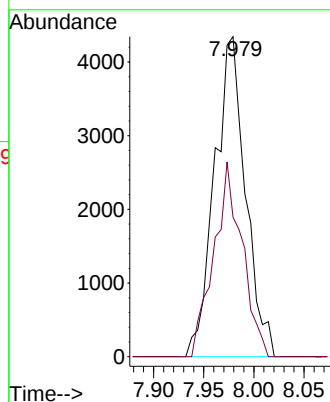
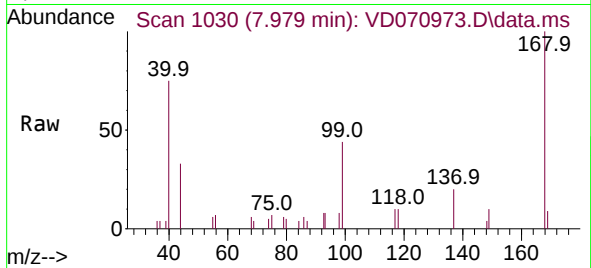




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

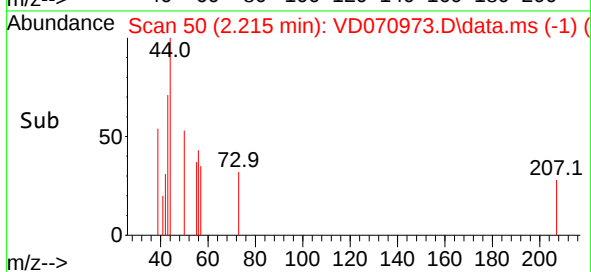
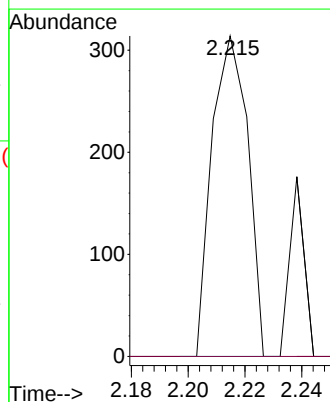
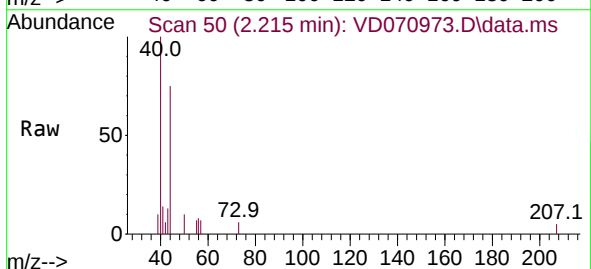
Instrument :
MSVOA_D
ClientSampleId :

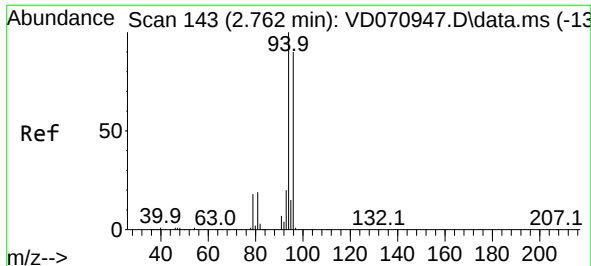
Tgt Ion:168 Resp: 9314
Ion Ratio Lower Upper
168 100
99 43.6 46.6 69.8#



#3
Chloromethane
Concen: 2.915 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

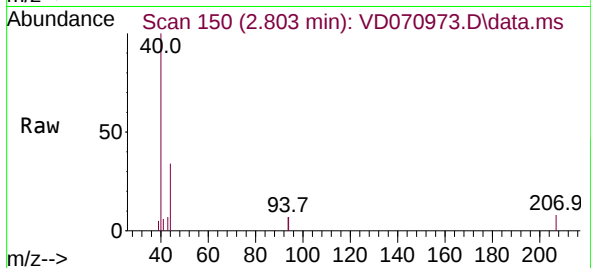
Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



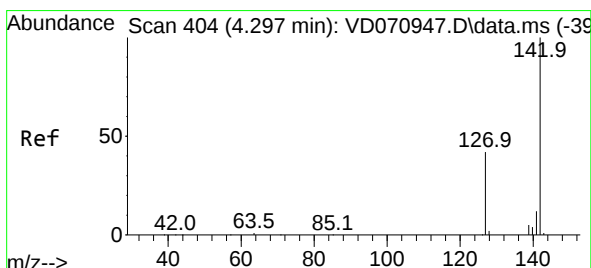
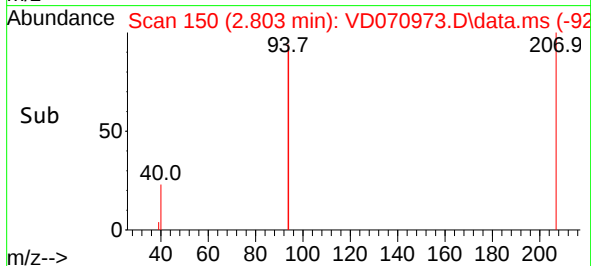
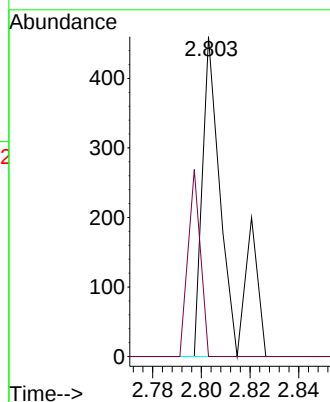


#5
Bromomethane
Concen: 4.769 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.041 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :

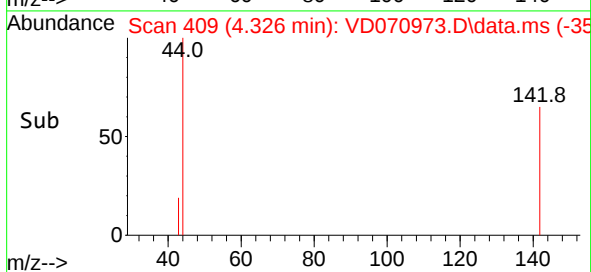
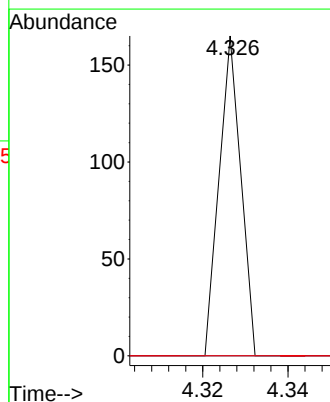
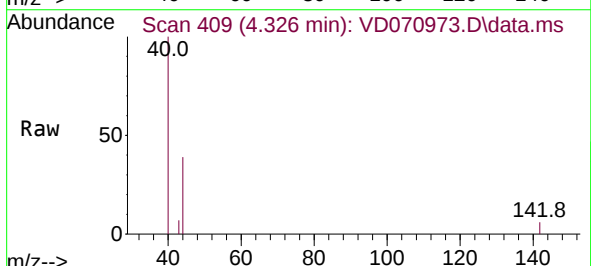


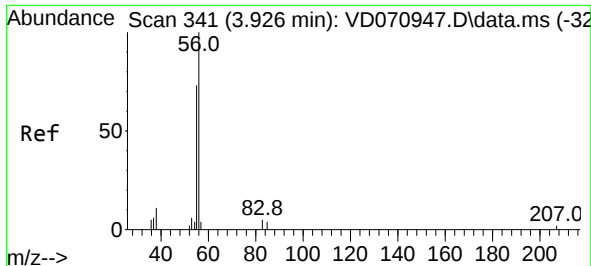
Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#10
Methyl Iodide
Concen: 6.494 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.029 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

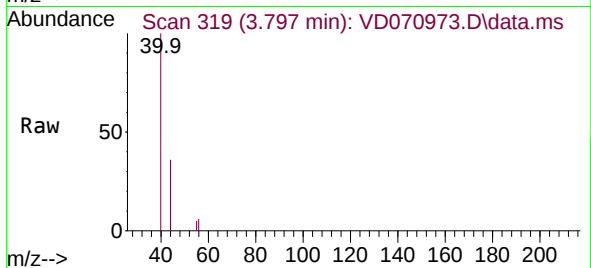
Tgt Ion: 142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



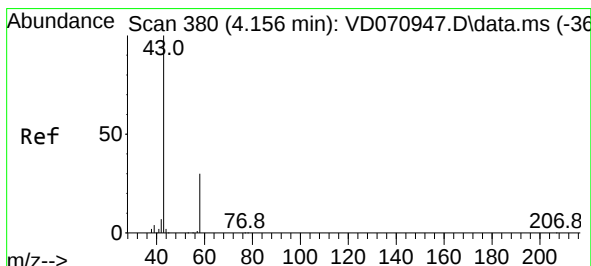
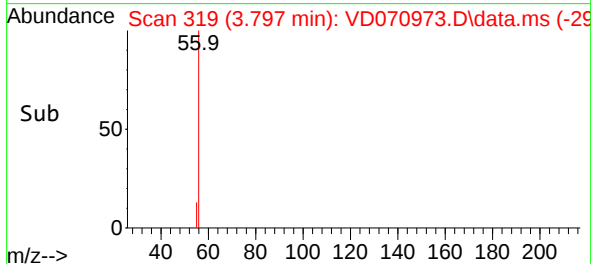
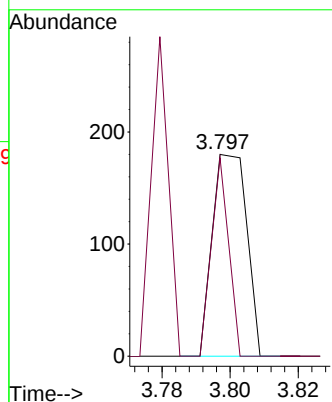


#13
Acrolein
Concen: 52.651 ug/l
RT: 3.797 min Scan# 31
Delta R.T. -0.129 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :

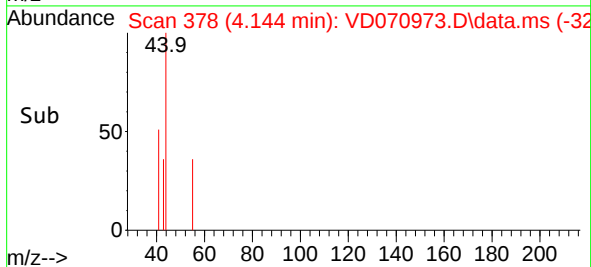
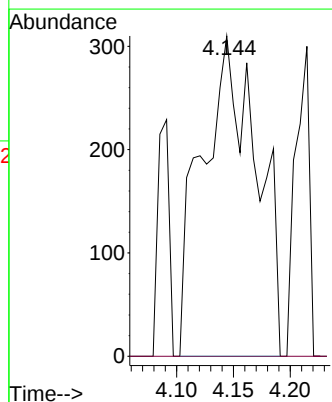
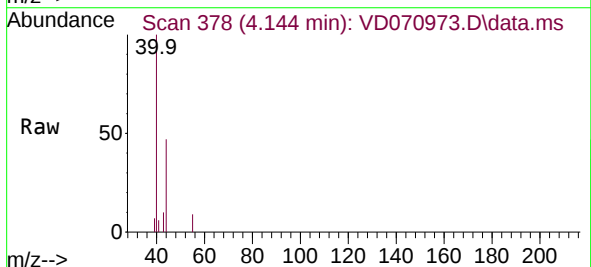


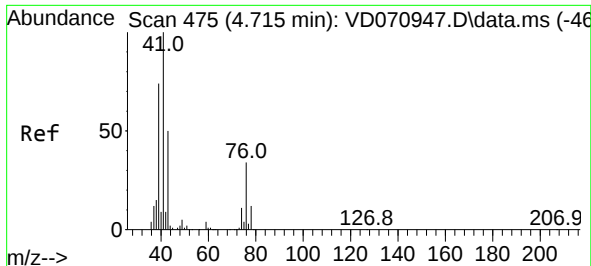
Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 49.2 58.6 87.8#



#16
Acetone
Concen: 55.555 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

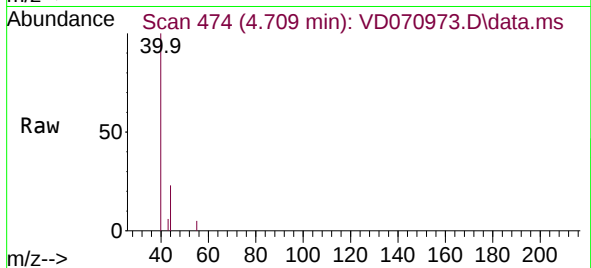
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



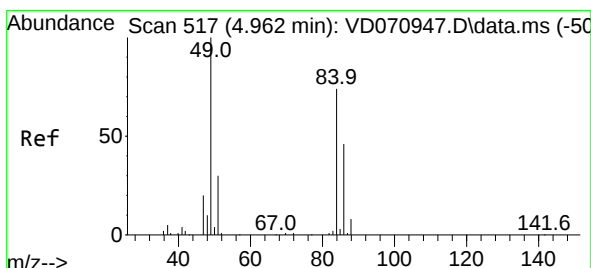
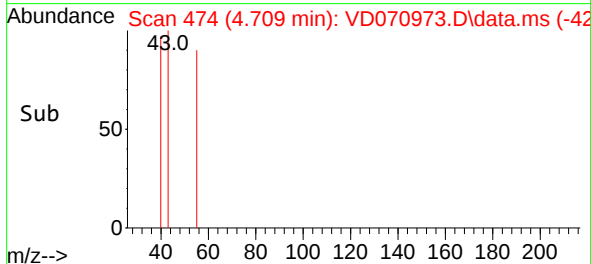
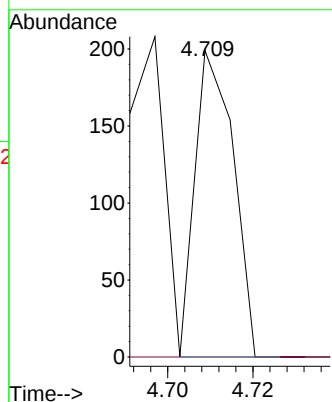


#18
Methyl Acetate
Concen: 1.469 ug/l
RT: 4.709 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :

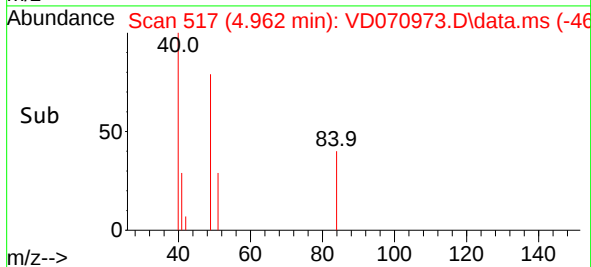
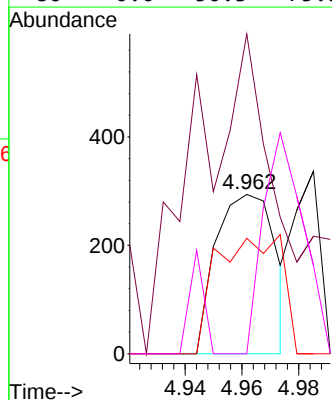
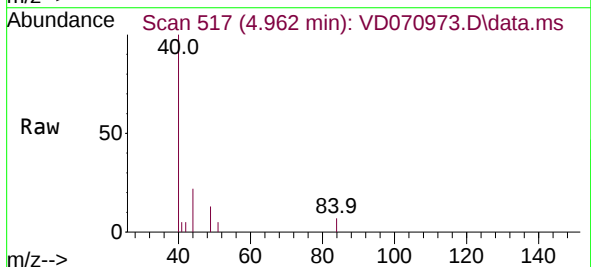


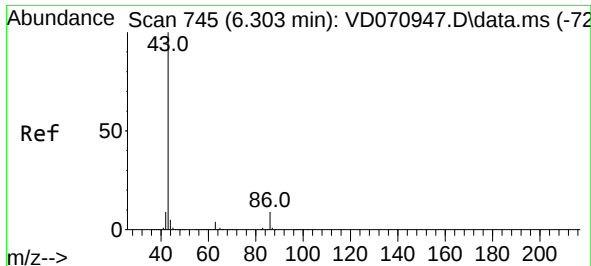
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 3.392 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Tgt Ion: 84 Resp: 427
Ion Ratio Lower Upper
84 100
49 117.7 95.8 143.6
51 72.4 30.9 46.3#
86 0.0 50.3 75.5#

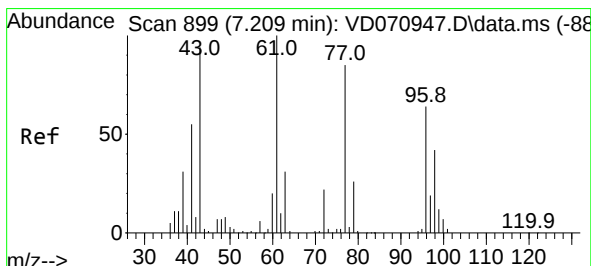
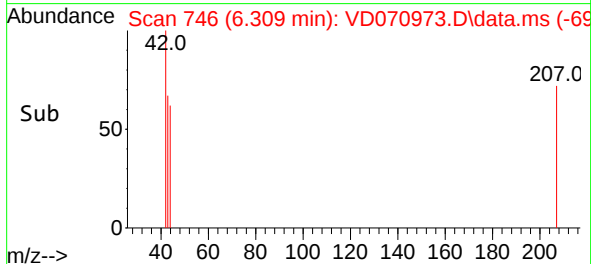
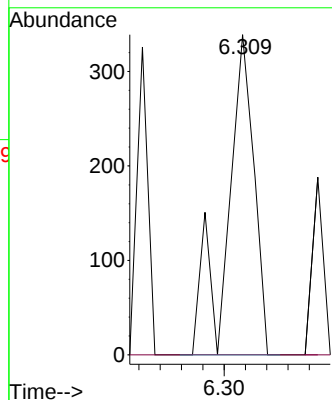
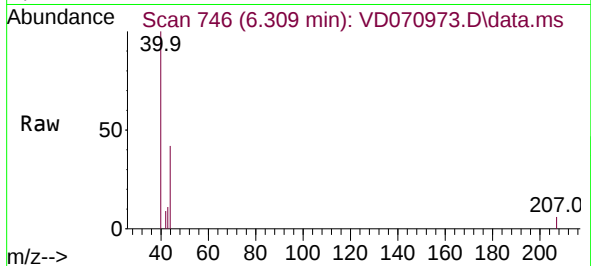




#23
 Vinyl Acetate
 Concen: 22.384 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD070973.D
 Acq: 10 Nov 2021 16:38

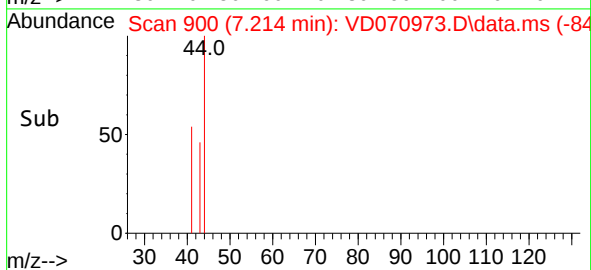
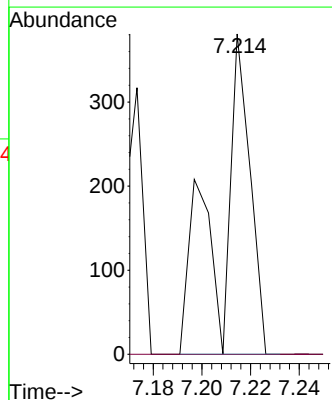
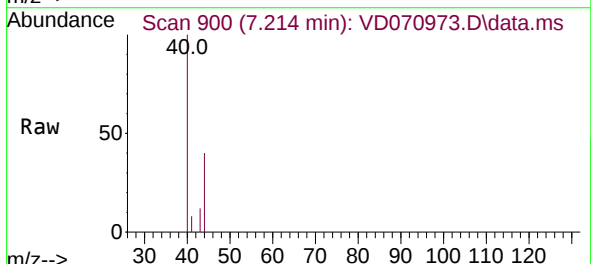
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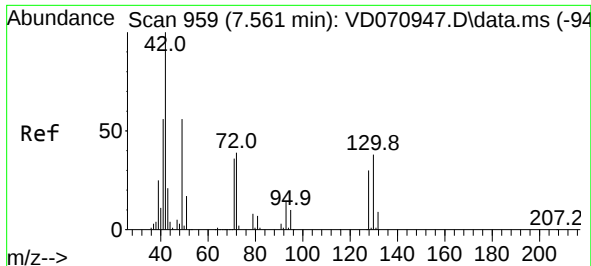
Tgt Ion: 43 Resp: 299
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.365 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.005 min
 Lab File: VD070973.D
 Acq: 10 Nov 2021 16:38

Tgt Ion: 43 Resp: 339
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 3.573 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.001 min

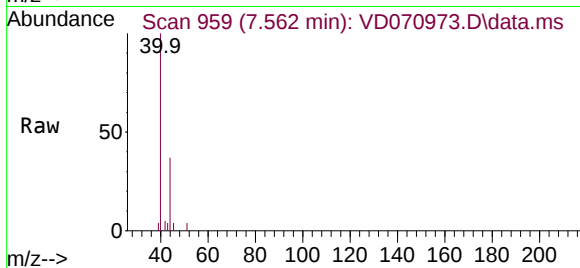
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Acq: 10 Nov 2021 16:38

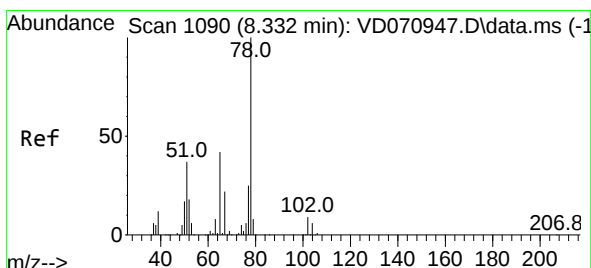
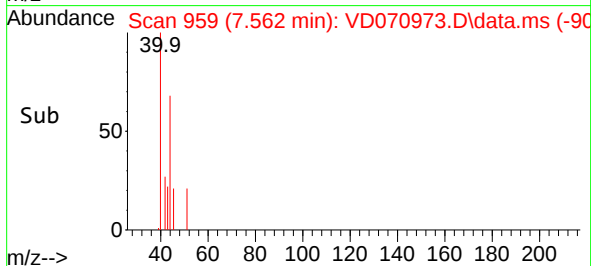
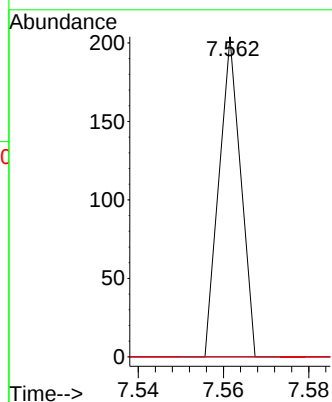
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	72
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 71.657 ug/l

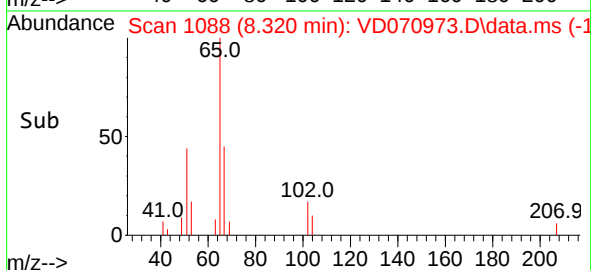
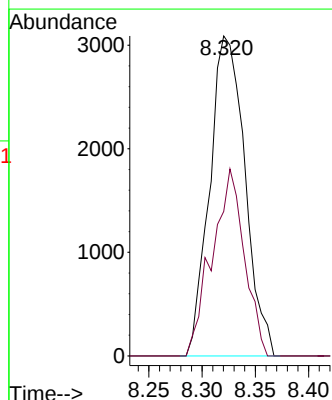
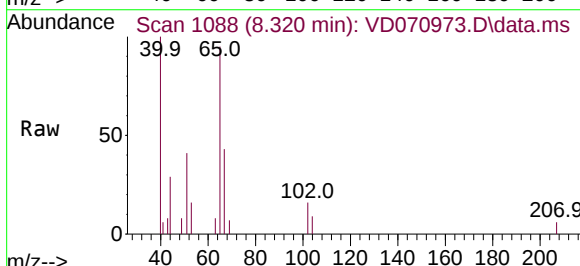
RT: 8.320 min Scan# 1088

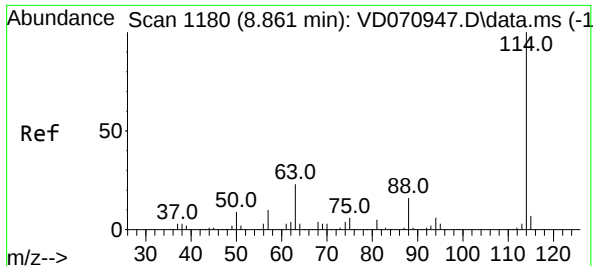
Delta R.T. -0.012 min

Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

Tgt Ion:	65	Resp:	7106
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD070973.D

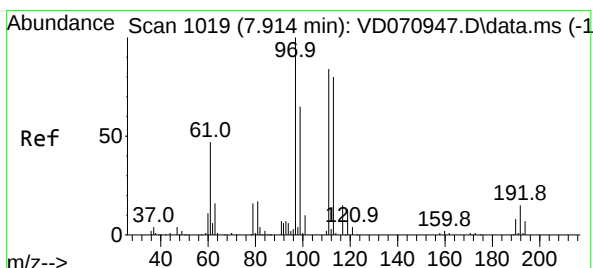
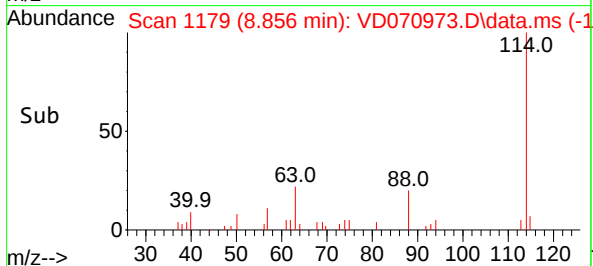
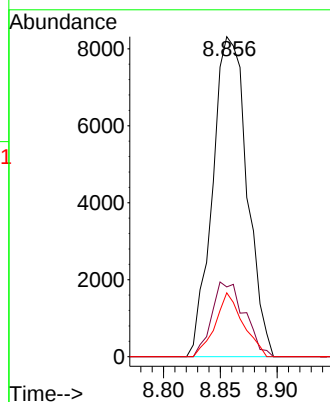
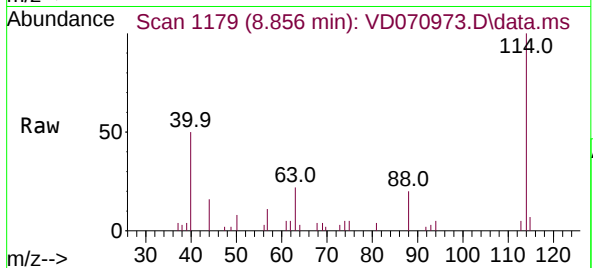
Acq: 10 Nov 2021 16:38

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	17593
Ion Ratio	Lower	Upper
114	100	
63	21.8	0.0 41.8
88	20.0	0.0 32.8



#35

Dibromofluoromethane

Concen: 43.647 ug/l

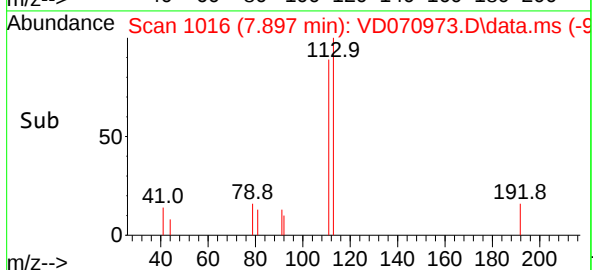
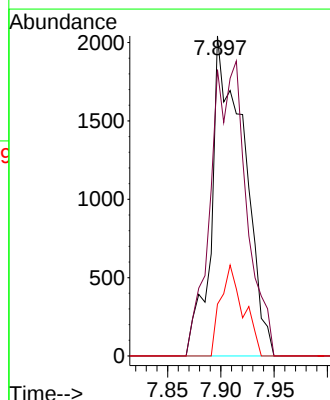
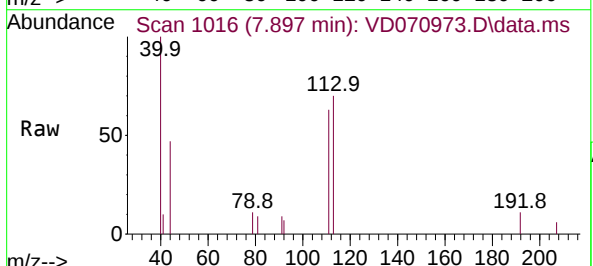
RT: 7.897 min Scan# 1016

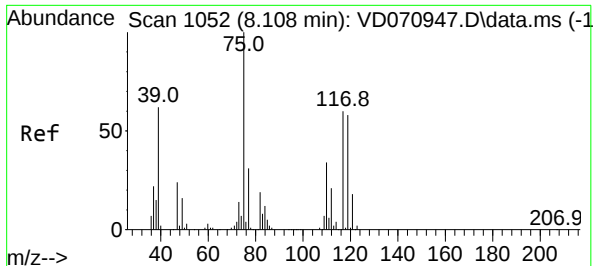
Delta R.T. -0.017 min

Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

Tgt Ion:113	Resp:	4333
Ion Ratio	Lower	Upper
113	100	
111	101.3	82.0 123.0
192	19.9	15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

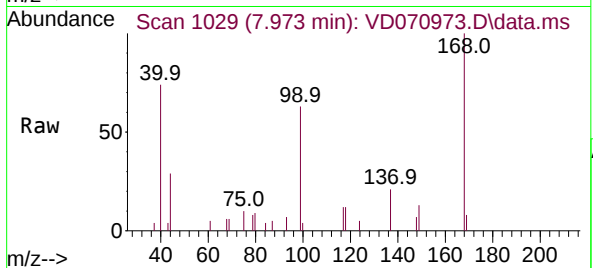
Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

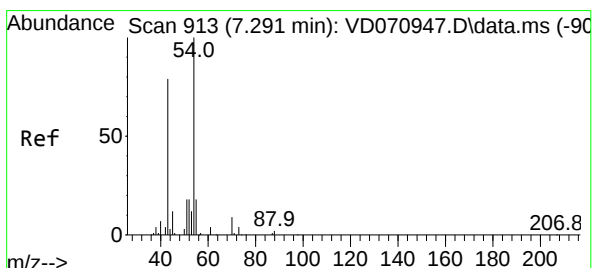
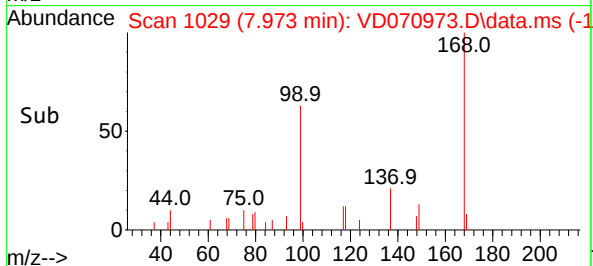
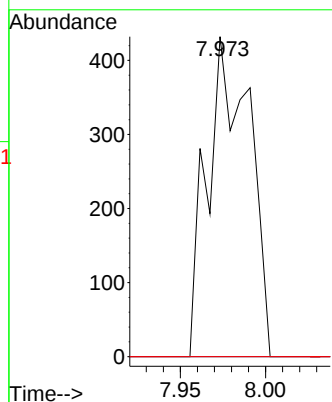
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	745
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 2.958 ug/l

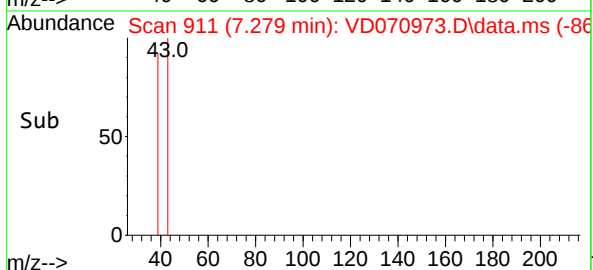
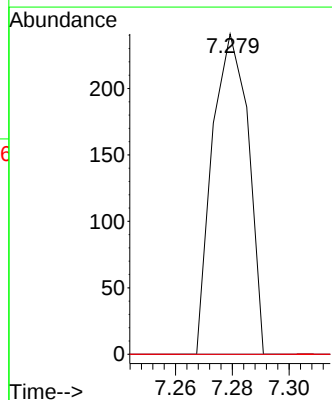
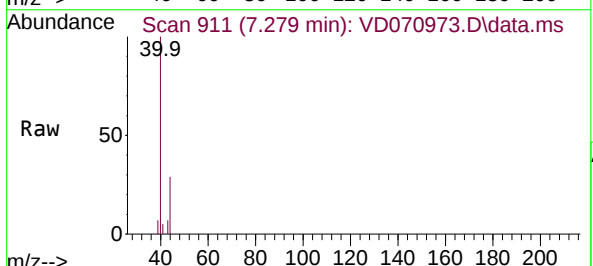
RT: 7.279 min Scan# 911

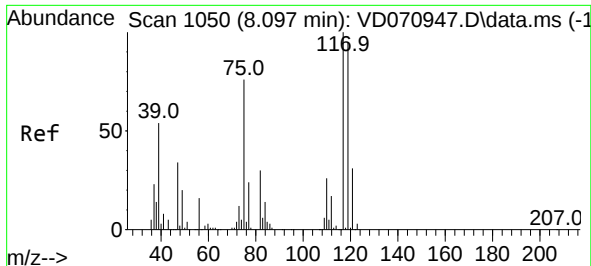
Delta R.T. -0.012 min

Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

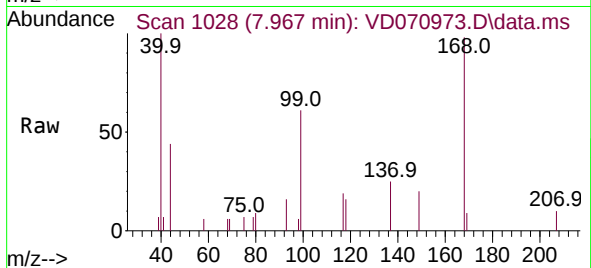
Tgt Ion:	43	Resp:	212
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



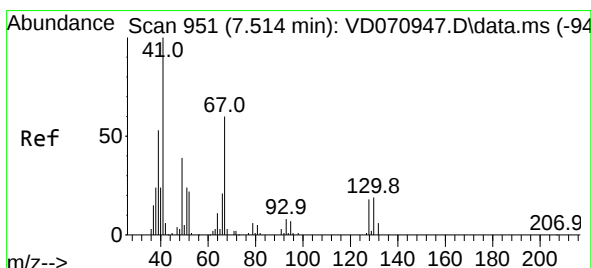
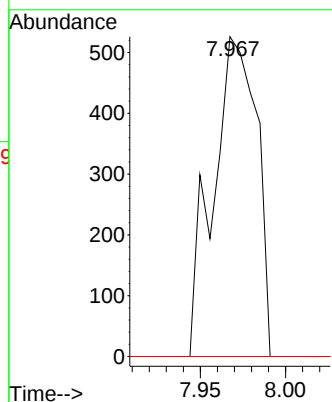
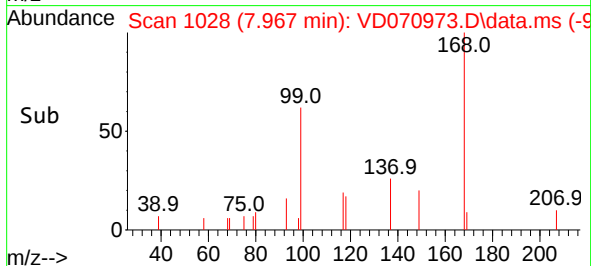


#38
Carbon Tetrachloride
Concen: 6.519 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :

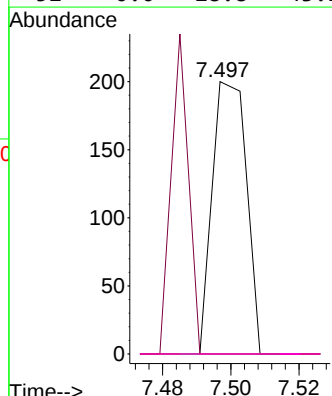
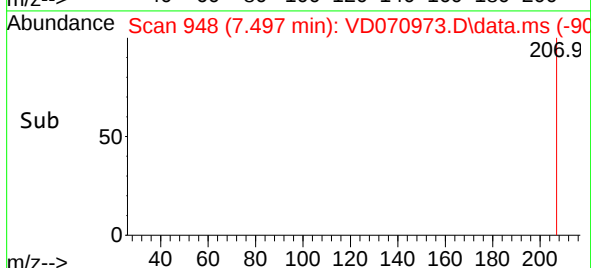
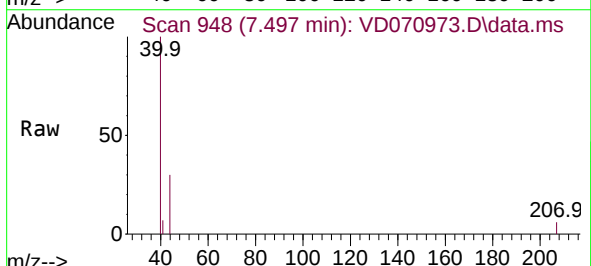


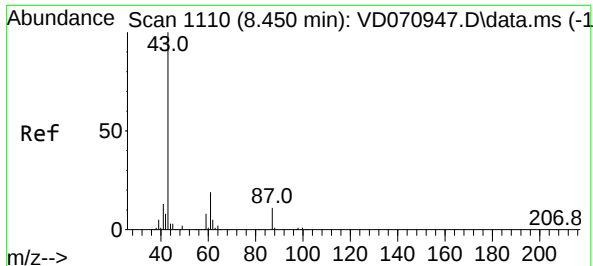
Tgt Ion:117 Resp: 943
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 5.954 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.017 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Tgt Ion: 41 Resp: 139
Ion Ratio Lower Upper
41 100
39 59.7 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#43

Isopropyl Acetate

Concen: 1.648 ug/l

RT: 8.432 min Scan# 1107

Delta R.T. -0.018 min

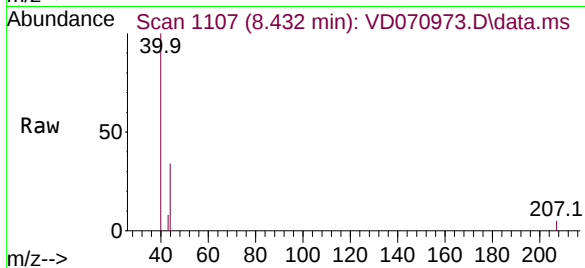
Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

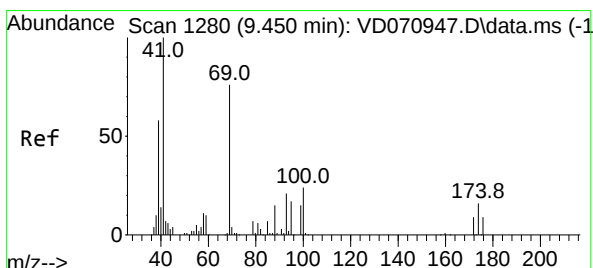
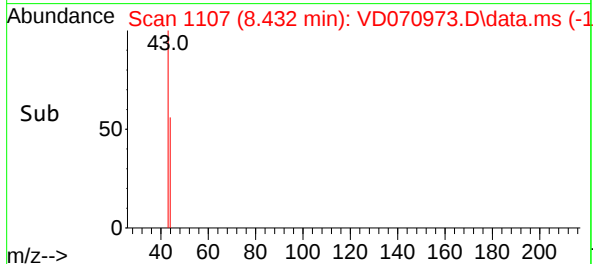
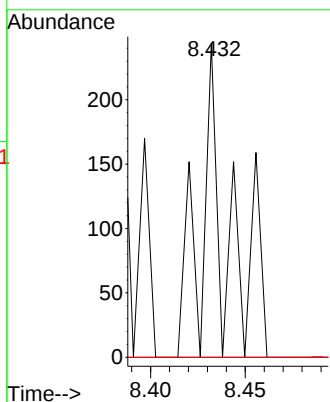
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 250
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#48

Methyl methacrylate

Concen: 1.667 ug/l

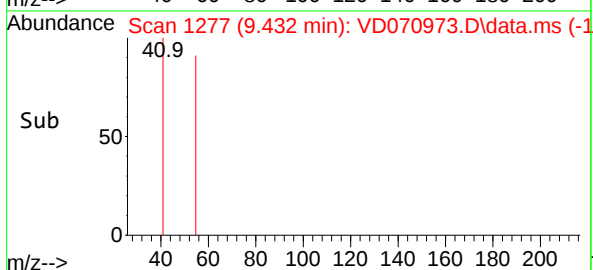
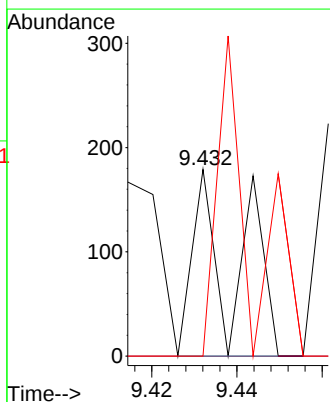
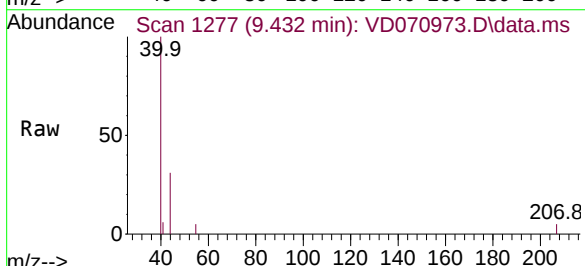
RT: 9.432 min Scan# 1277

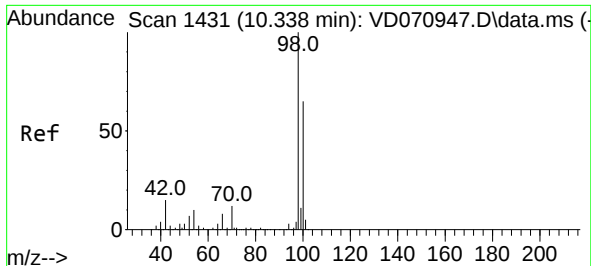
Delta R.T. -0.018 min

Lab File: VD070973.D

Acq: 10 Nov 2021 16:38

Tgt Ion: 41	Resp: 124
Ion Ratio	Lower Upper
41	100
69	0.0 69.8 104.6#
39	137.1 35.6 53.4#

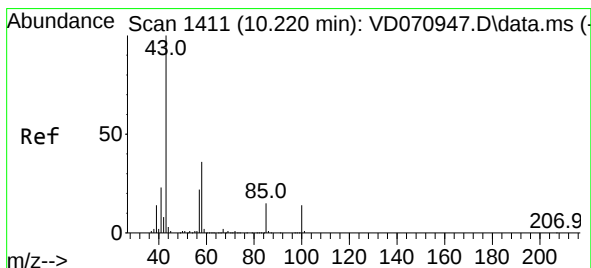
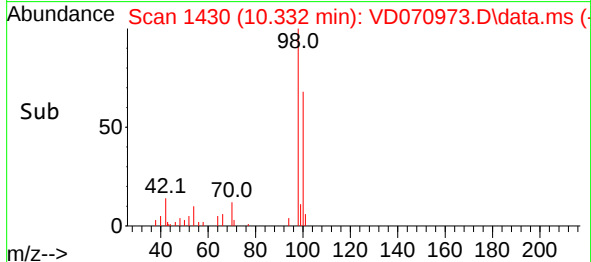
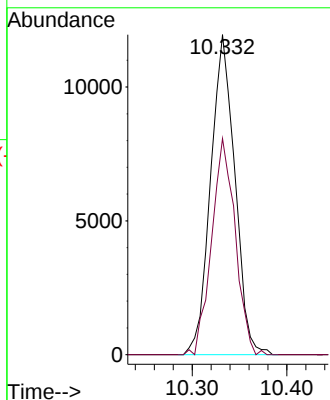
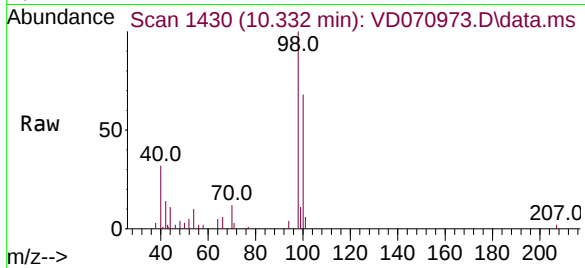




#50
Toluene-d8
Concen: 54.563 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

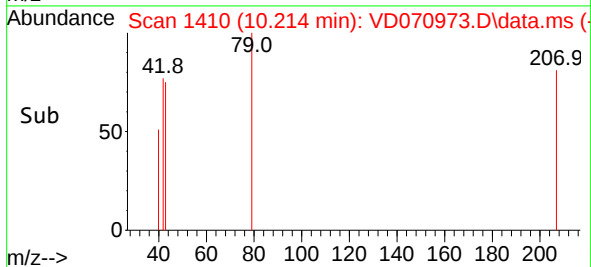
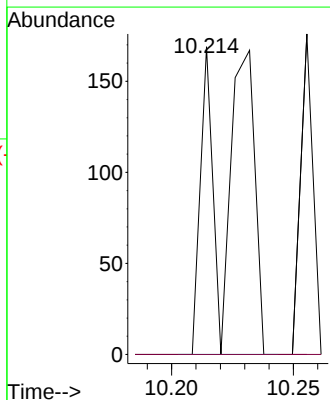
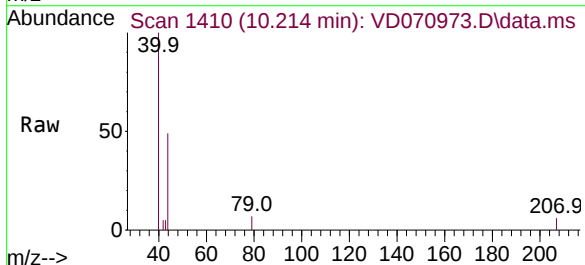
Instrument :
MSVOA_D
ClientSampleId :

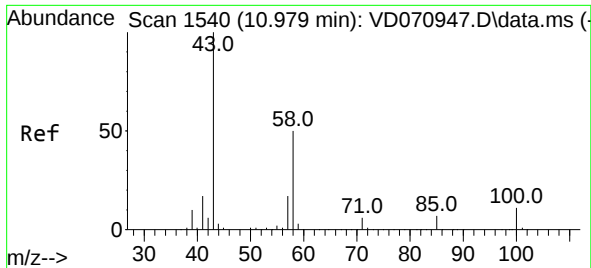
Tgt Ion: 98 Resp: 21213
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.339 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

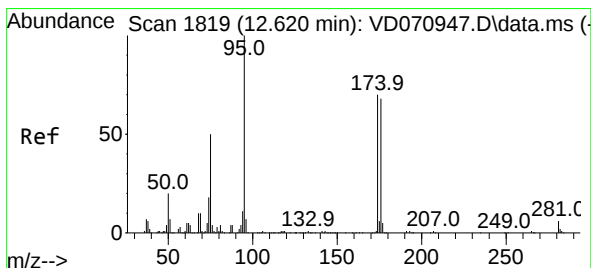
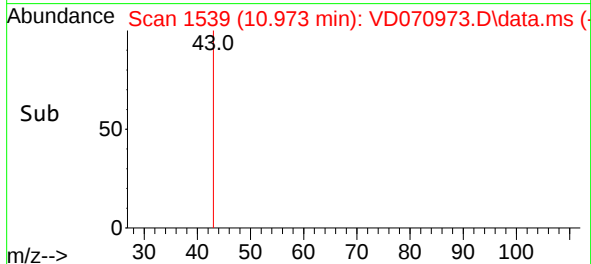
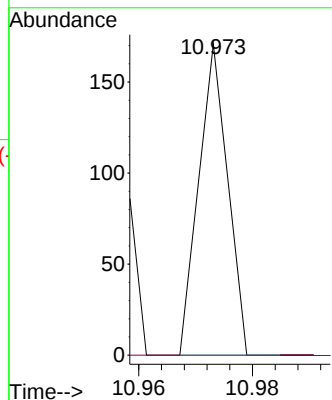
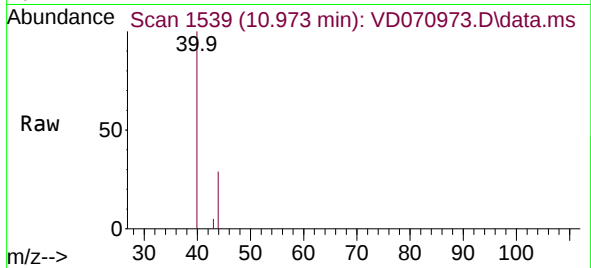




#59
2-Hexanone
Concen: 16.912 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

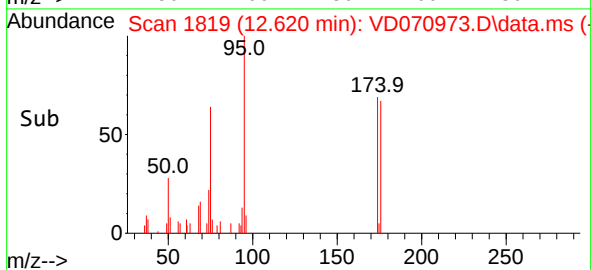
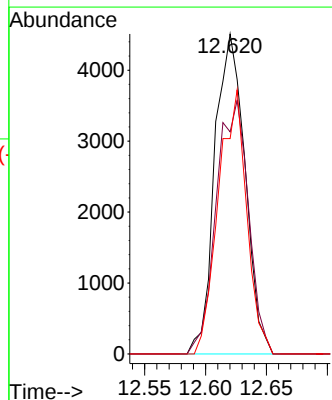
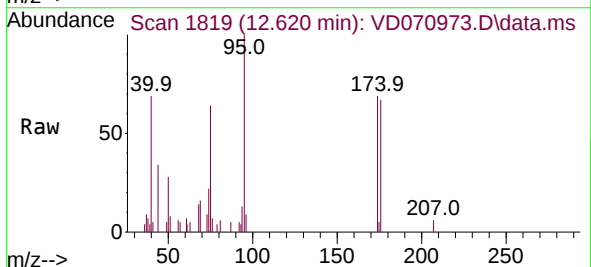
Instrument :
MSVOA_D
ClientSampleId :

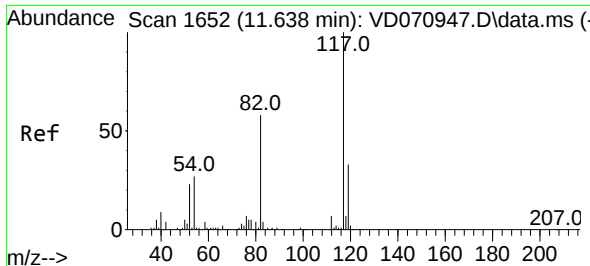
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 55.406 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

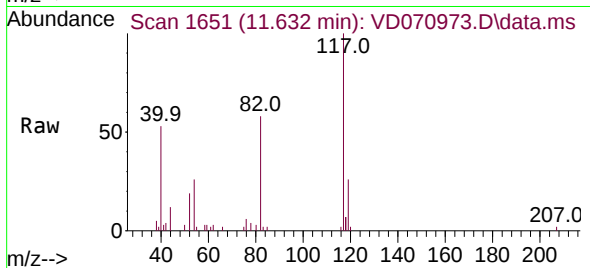
Tgt Ion: 95 Resp: 7756
Ion Ratio Lower Upper
95 100
174 84.5 0.0 159.4
176 77.5 0.0 154.0



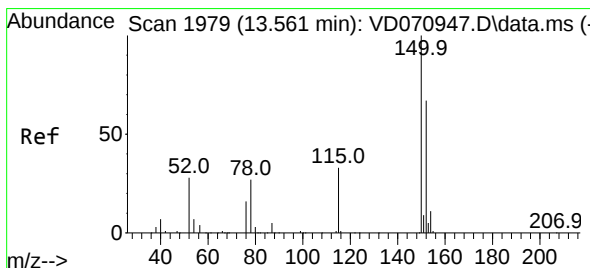
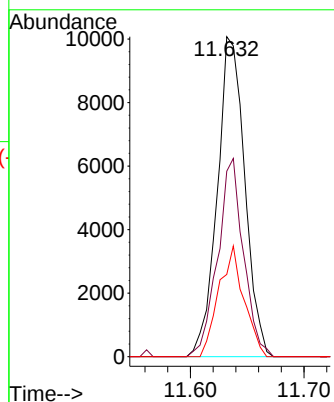
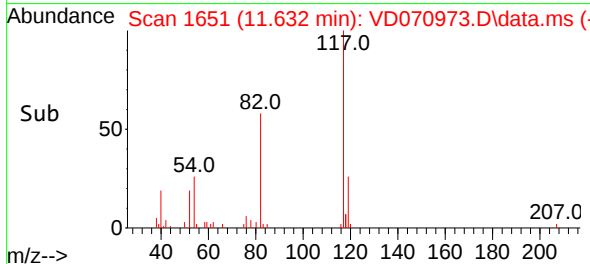


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

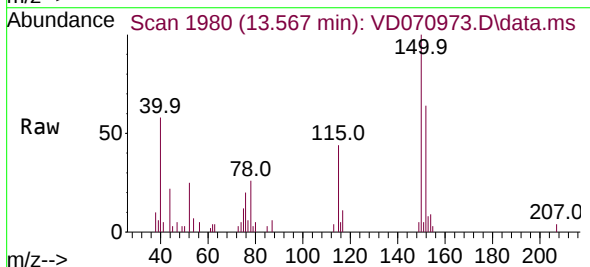
Instrument :
MSVOA_D
ClientSampleId :



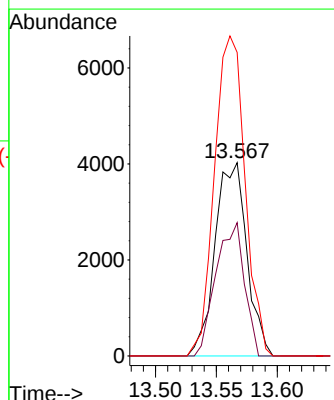
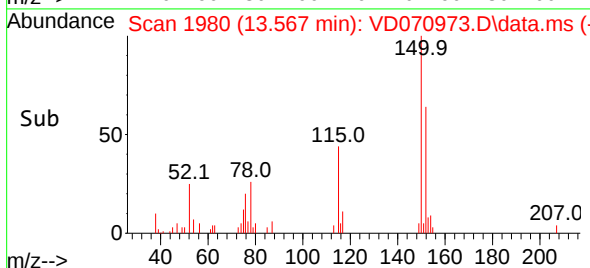
Tgt Ion:117 Resp: 16951
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 25.7 26.2 39.4#

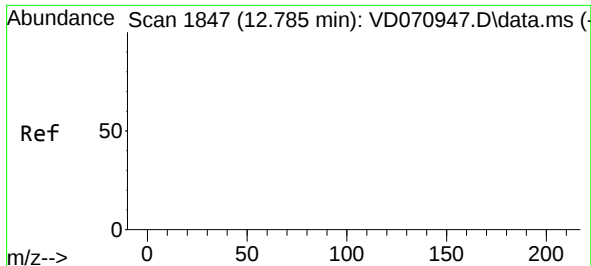


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38



Tgt Ion:152 Resp: 7307
Ion Ratio Lower Upper
152 100
115 61.7 29.8 89.3
150 159.5 0.0 349.2

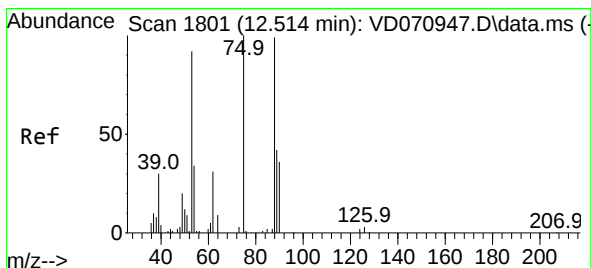
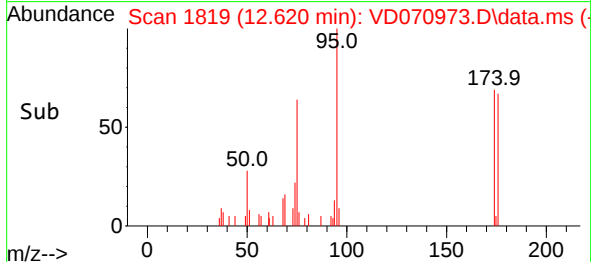
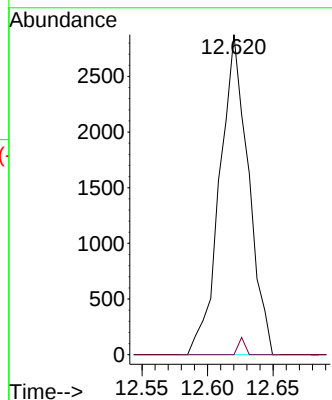
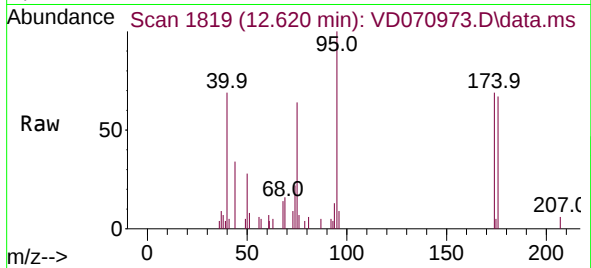




#76
1,2,3-Trichloropropane
Concen: 70.046 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

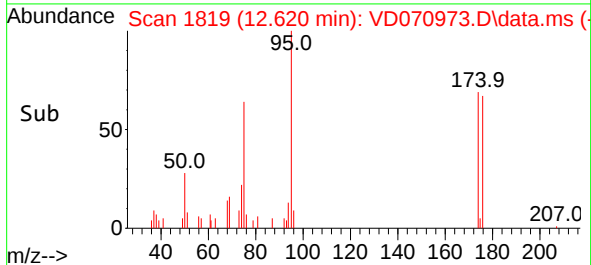
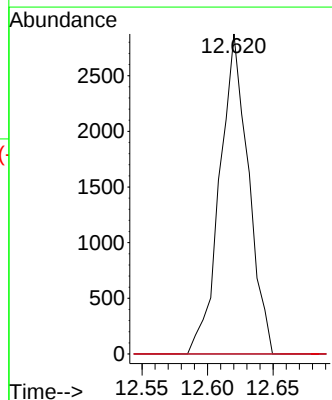
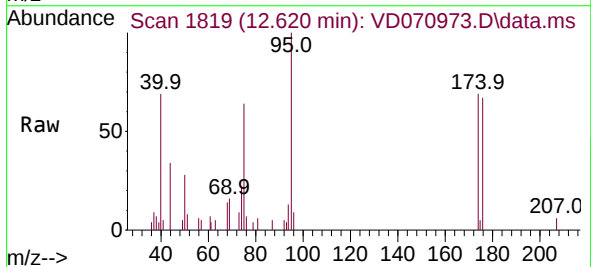
Instrument :
MSVOA_D
ClientSampleId :

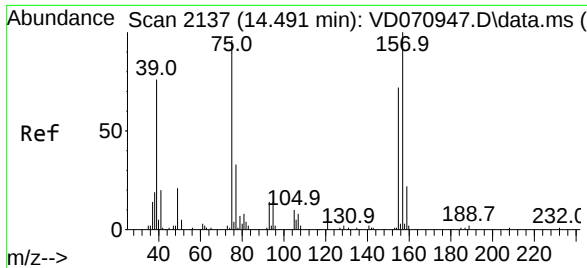
Tgt Ion: 75 Resp: 4372
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.231 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070973.D
Acq: 10 Nov 2021 16:38

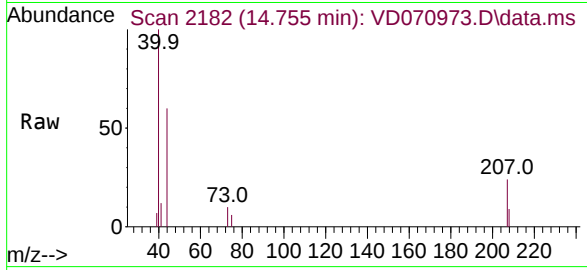
Tgt Ion: 75 Resp: 4372
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.970 ug/l
 RT: 14.755 min Scan# 21
 Delta R.T. 0.264 min
 Lab File: VD070973.D
 Acq: 10 Nov 2021 16:38

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.0 120.0#
 157 0.0 49.8 149.3#

