

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070974.D
 Acq On : 10 Nov 2021 17:34
 Operator : VA/SY
 Sample : M4523-06RE
 Misc : 4.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:30:22 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)

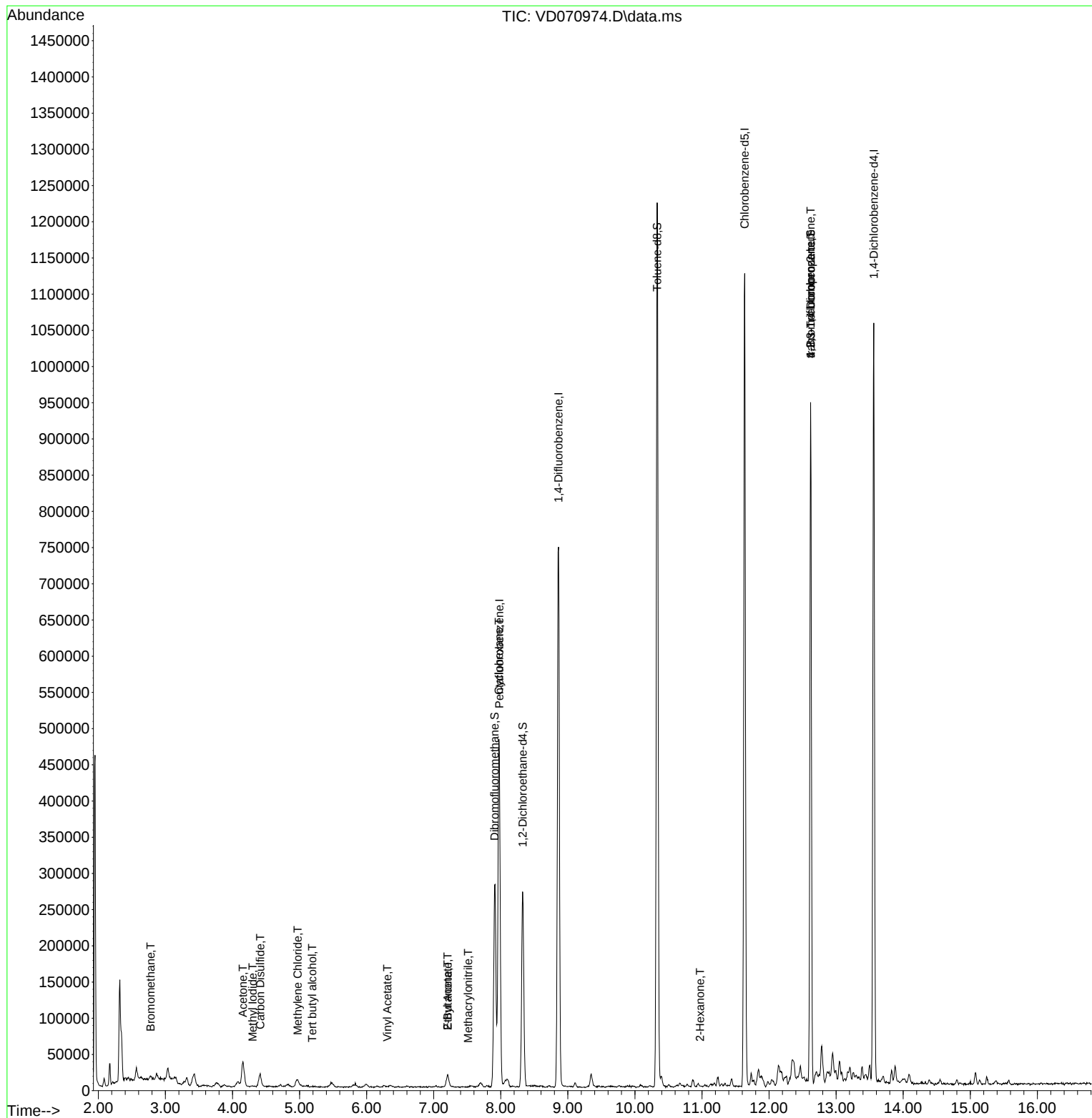
Internal Standards						
1) Pentafluorobenzene	7.979	168	345293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	634555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	607650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207631	56.477	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.960%			
35) Dibromofluoromethane	7.908	113	197005	55.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.040%			
50) Toluene-d8	10.332	98	813417	58.007	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.020%			
62) 4-Bromofluorobenzene	12.620	95	288597	57.159	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.320%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	3307	1.437	ug/l #	71
10) Methyl Iodide	4.303	142	1804	6.418	ug/l #	86
11) Tert butyl alcohol	5.191	59	286	1.064	ug/l #	71
13) Acrolein	3.885	56	180	Below Cal	#	1
16) Acetone	4.156	43	62734	77.980	ug/l #	87
17) Carbon Disulfide	4.414	76	33732	3.186	ug/l	97
20) Methylene Chloride	4.973	84	6825	1.219	ug/l #	92
23) Vinyl Acetate	6.308	43	1007	21.110	ug/l #	72
25) 2-Butanone	7.208	43	16272	32.017	ug/l	94
31) Cyclohexane	7.973	56	14673	1.941	ug/l #	43
37) Ethyl Acetate	7.208	43	16272	6.295	ug/l #	87
41) Methacrylonitrile	7.514	41	315	3.660	ug/l #	37
59) 2-Hexanone	10.973	43	533	16.175	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	155022	68.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	155022	127.128	ug/l #	18

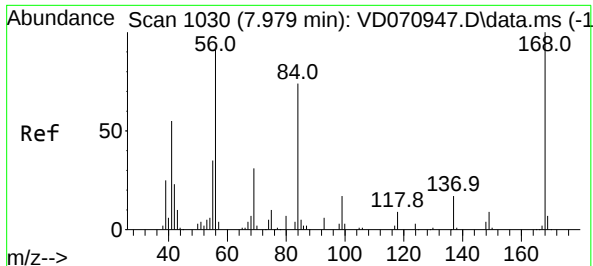
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD070974.D
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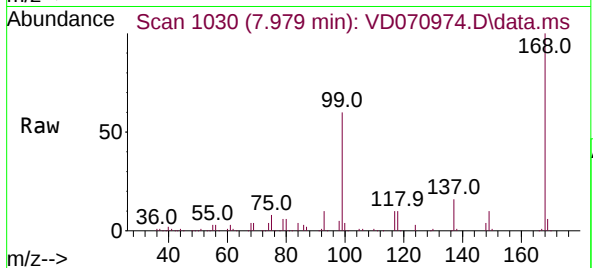
Quant Time: Nov 11 06:30:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
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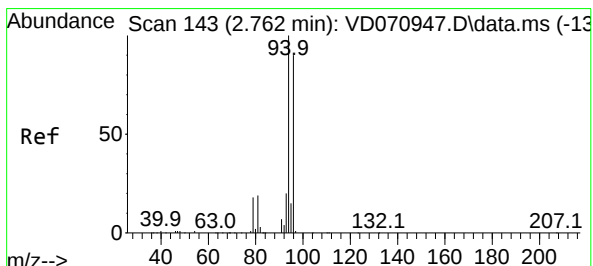
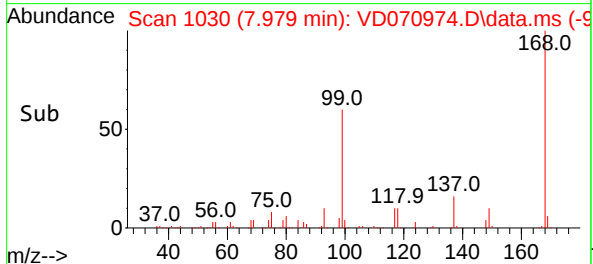
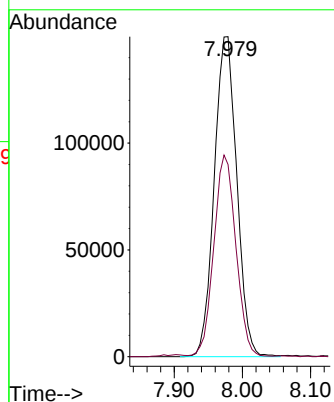


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Instrument :
MSVOA_D
ClientSampleId :

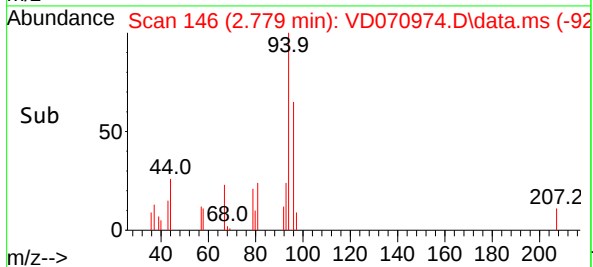
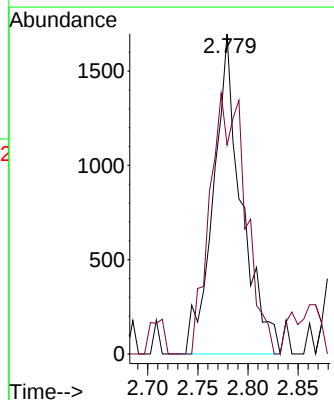
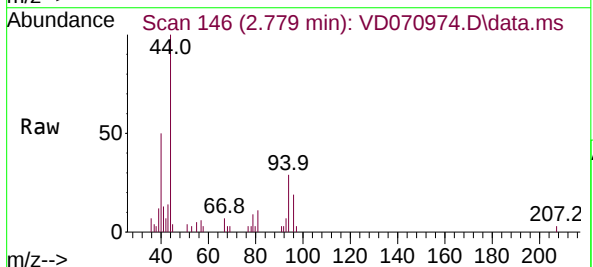


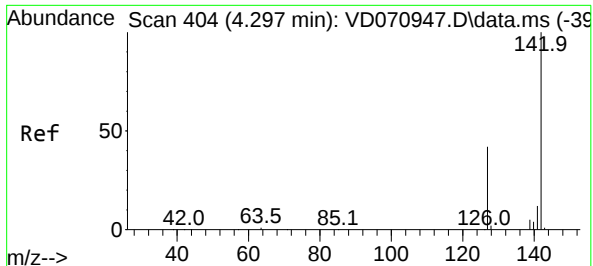
Tgt Ion:168 Resp: 345293
Ion Ratio Lower Upper
168 100
99 59.8 46.6 69.8



#5
Bromomethane
Concen: 1.437 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Tgt Ion: 94 Resp: 3307
Ion Ratio Lower Upper
94 100
96 65.3 74.8 112.2#

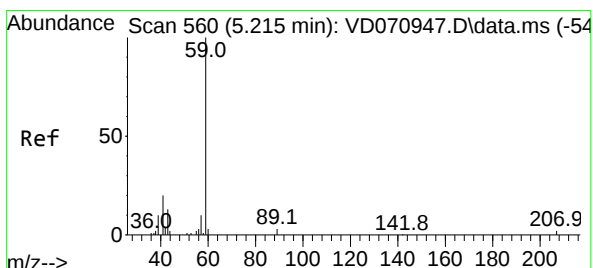
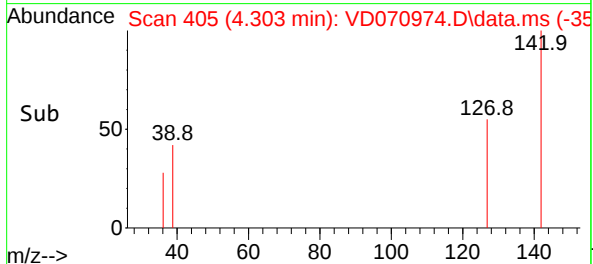
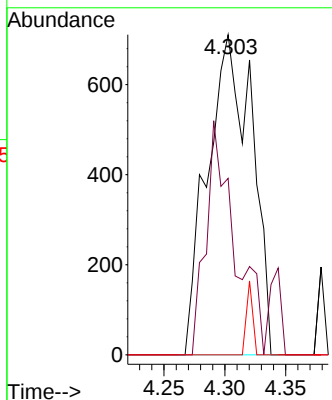
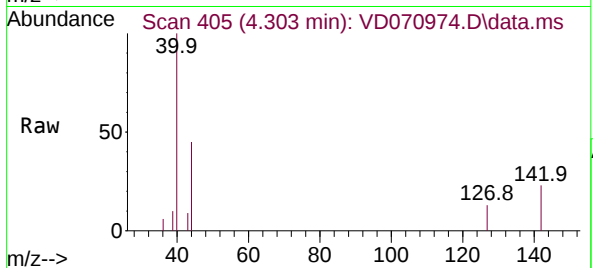




#10
Methyl Iodide
Concen: 6.418 ug/l
RT: 4.303 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

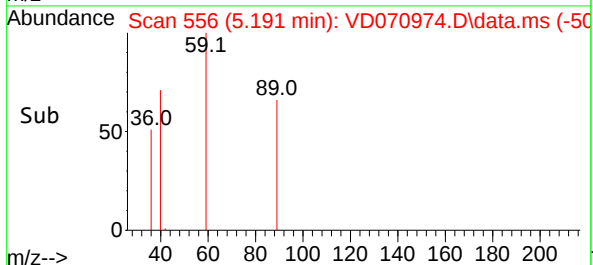
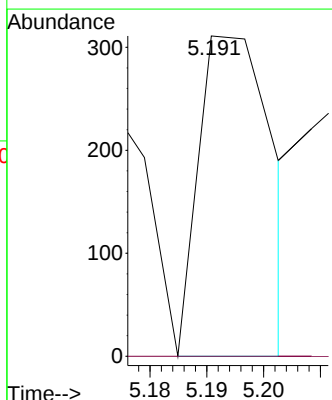
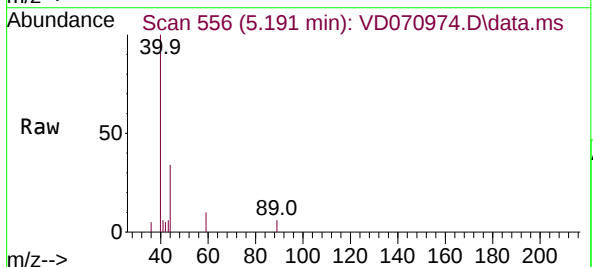
Instrument :
MSVOA_D
ClientSampleId :

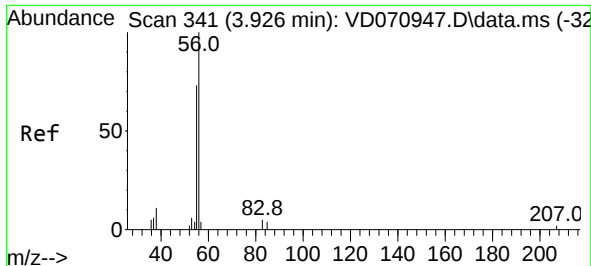
Tgt Ion:142 Resp: 1804
Ion Ratio Lower Upper
142 100
127 47.6 35.0 52.4
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.064 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#





#13

Acrolein

Concen: Below Cal

RT: 3.885 min Scan# 31

Delta R.T. -0.041 min

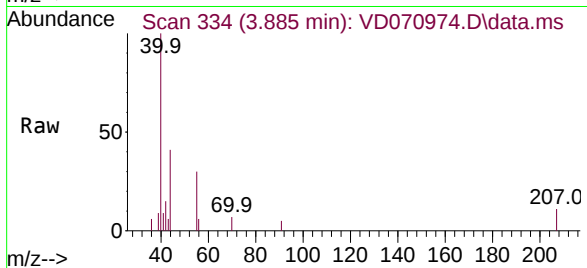
Lab File: VD070974.D

Acq: 10 Nov 2021 17:34

Instrument :

MSVOA_D

ClientSampleId :

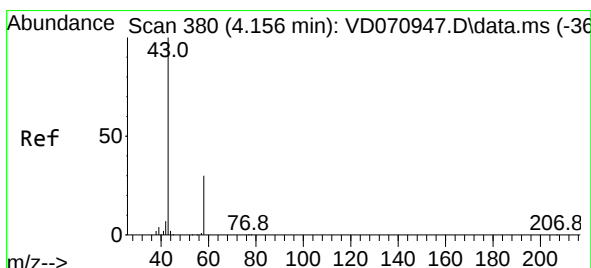
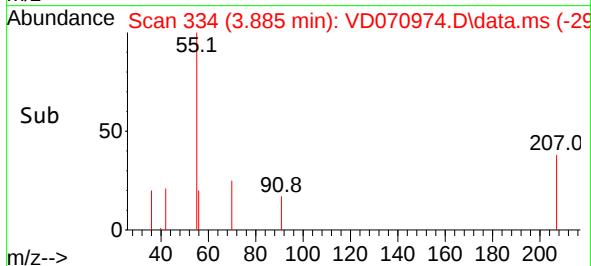
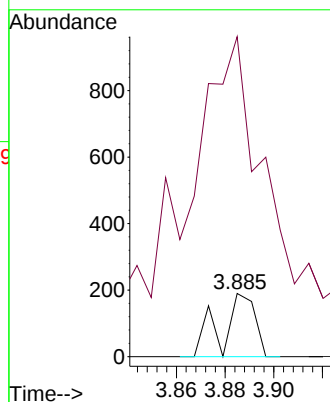


Tgt Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

55 1423.3 58.6 87.8#



#16

Acetone

Concen: 77.980 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD070974.D

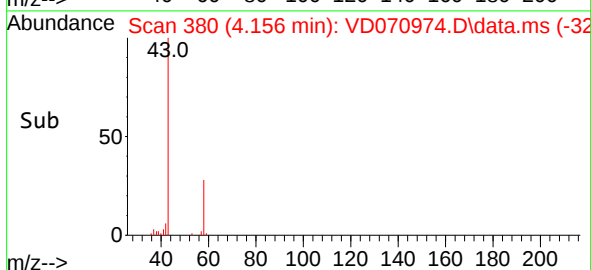
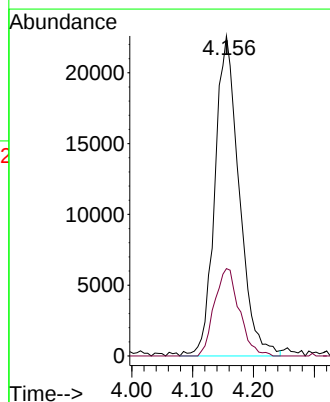
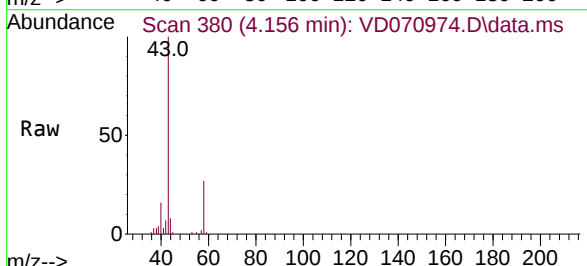
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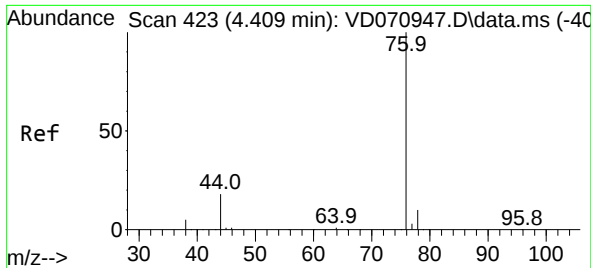
Tgt Ion: 43 Resp: 62734

Ion Ratio Lower Upper

43 100

58 27.3 27.8 41.8#

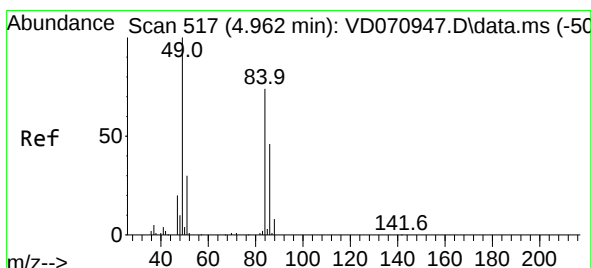
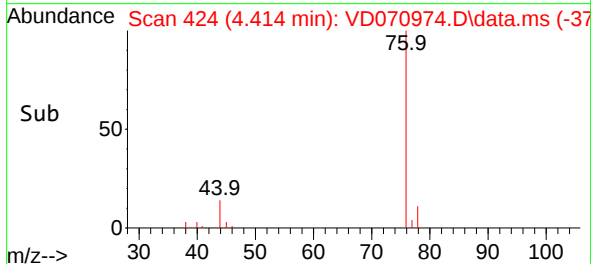
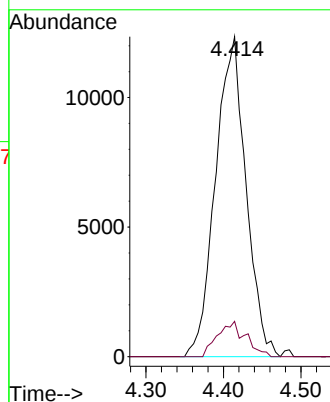
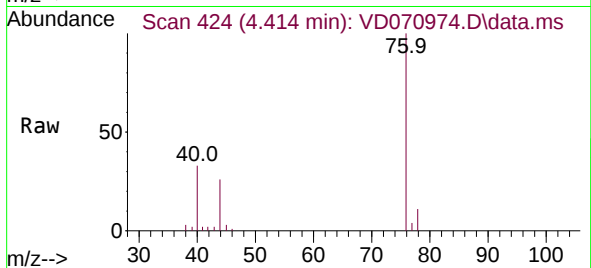




#17
Carbon Disulfide
Concen: 3.186 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

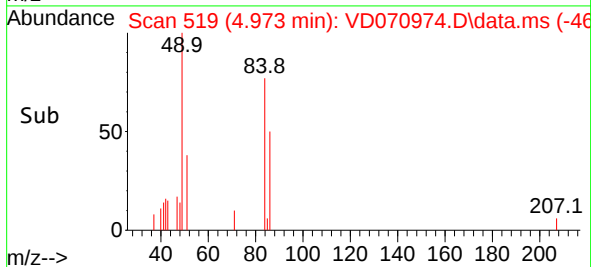
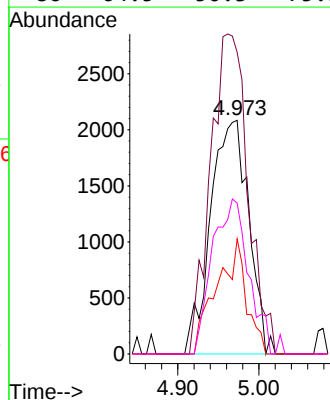
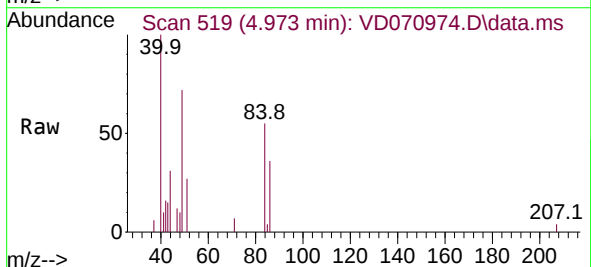
Instrument :
MSVOA_D
ClientSampleId :

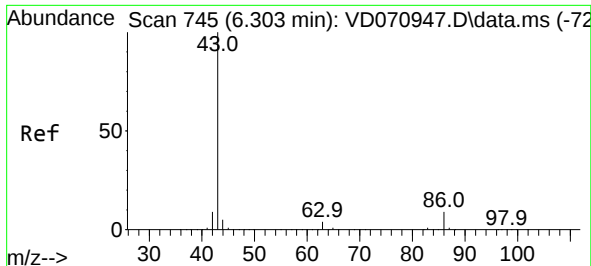
Tgt Ion: 76 Resp: 33732
Ion Ratio Lower Upper
76 100
78 11.1 7.8 11.8



#20
Methylene Chloride
Concen: 1.219 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Tgt Ion: 84 Resp: 6825
Ion Ratio Lower Upper
84 100
49 129.1 95.8 143.6
51 49.3 30.9 46.3#
86 64.5 50.3 75.5

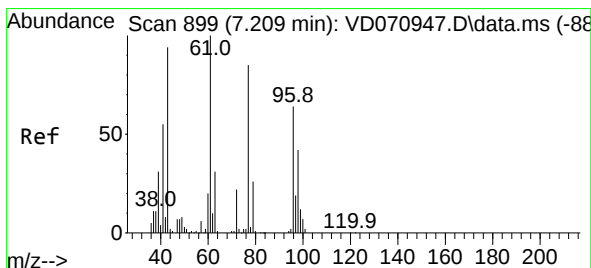
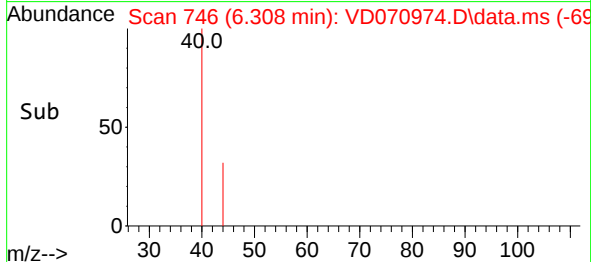
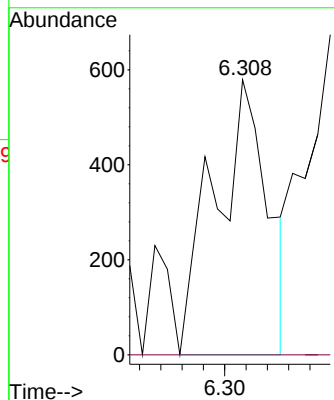
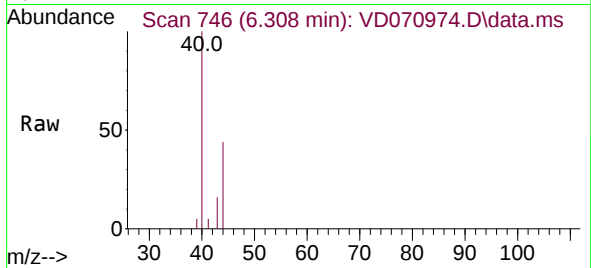




#23
 Vinyl Acetate
 Concen: 21.110 ug/l
 RT: 6.308 min Scan# 745
 Delta R.T. 0.005 min
 Lab File: VD070974.D
 Acq: 10 Nov 2021 17:34

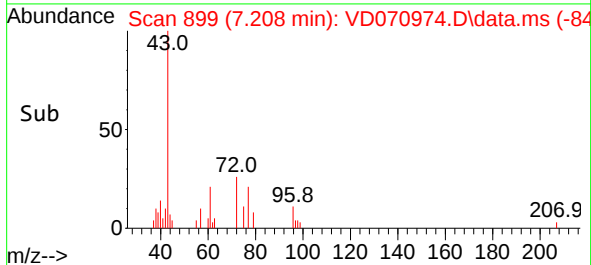
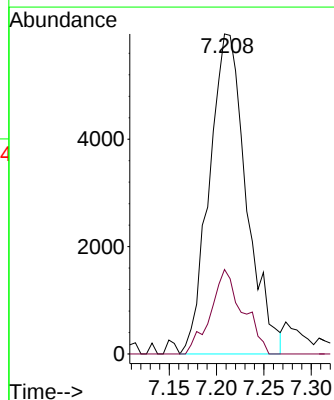
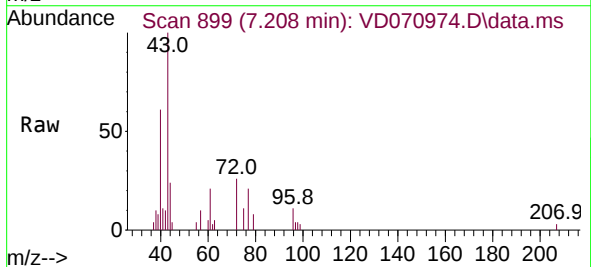
Instrument :
 MSVOA_D
 ClientSampleId :

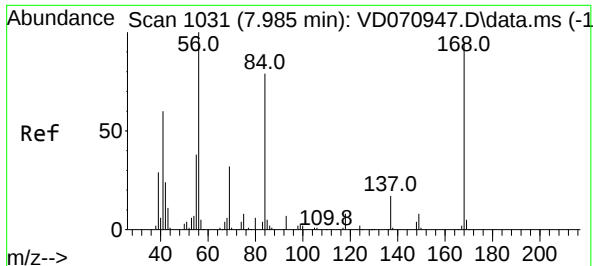
Tgt Ion: 43 Resp: 1007
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 32.017 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.001 min
 Lab File: VD070974.D
 Acq: 10 Nov 2021 17:34

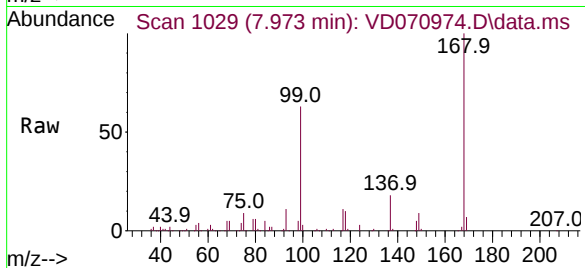
Tgt Ion: 43 Resp: 16272
 Ion Ratio Lower Upper
 43 100
 72 26.4 23.8 35.6



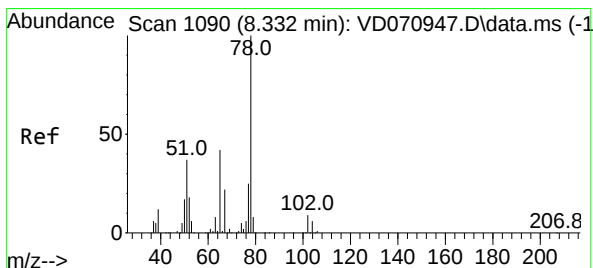
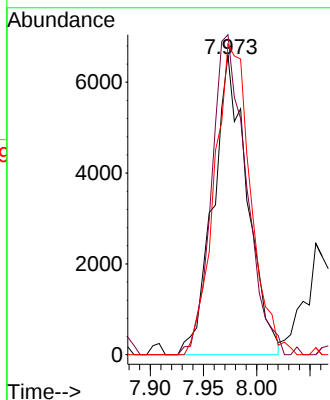
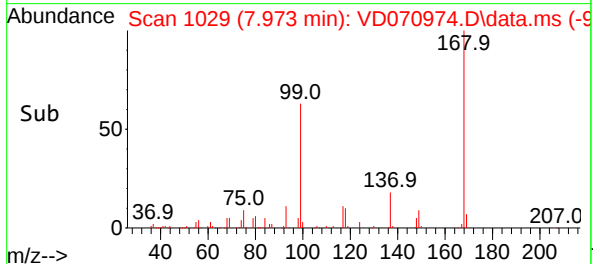


#31
Cyclohexane
Concen: 1.941 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

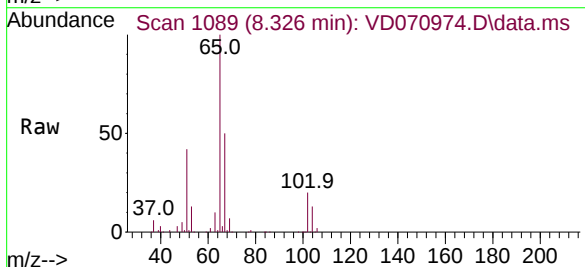
Instrument :
MSVOA_D
ClientSampleId :



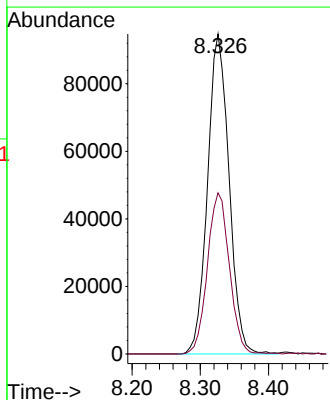
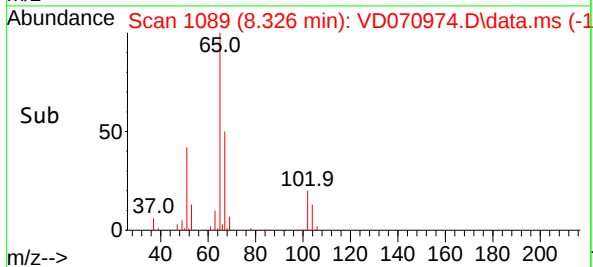
Tgt Ion: 56 Resp: 14673
Ion Ratio Lower Upper
56 100
69 106.9 25.9 38.9#
84 103.7 64.3 96.5#

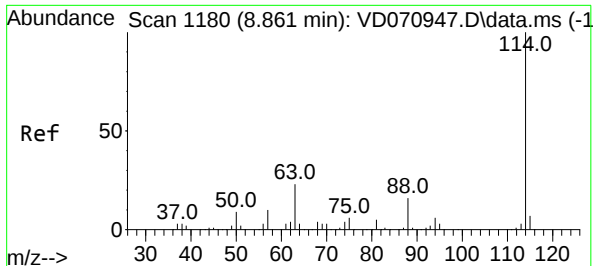


#33
1,2-Dichloroethane-d4
Concen: 56.477 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34



Tgt Ion: 65 Resp: 207631
Ion Ratio Lower Upper
65 100
67 51.5 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: VD070974.D

Acq: 10 Nov 2021 17:34

Instrument :

MSVOA_D

ClientSampleId :

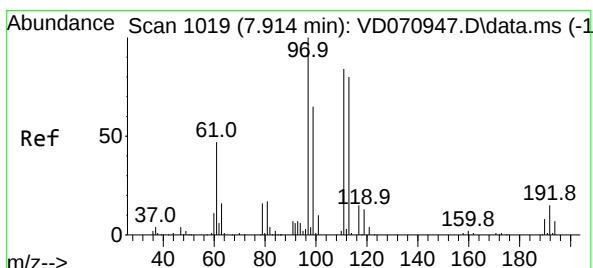
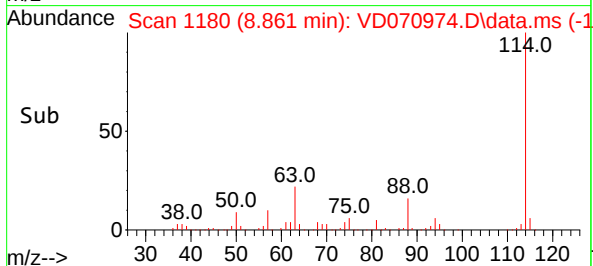
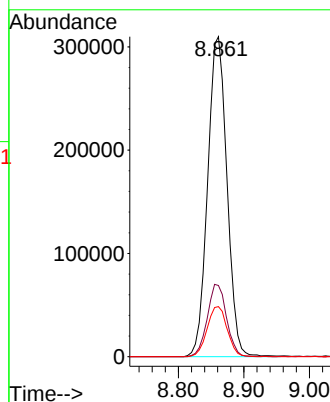
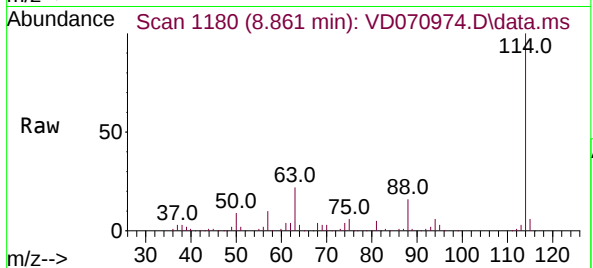
Tgt Ion:114 Resp: 634555

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.019 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070974.D

Acq: 10 Nov 2021 17:34

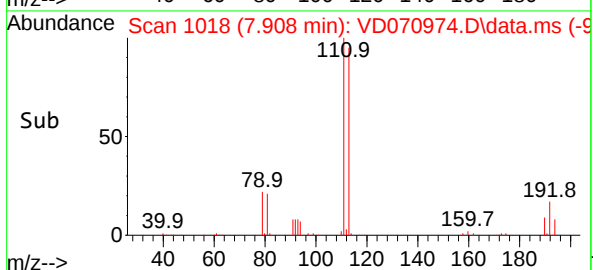
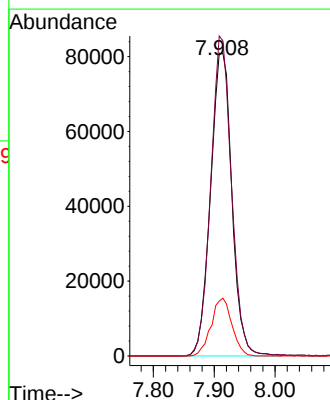
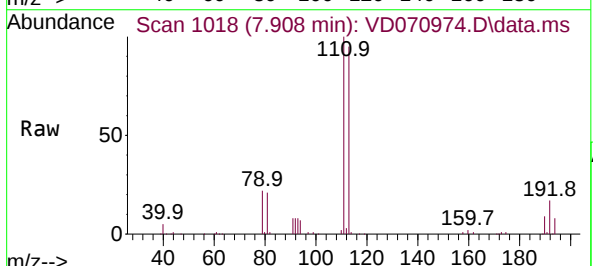
Tgt Ion:113 Resp: 197005

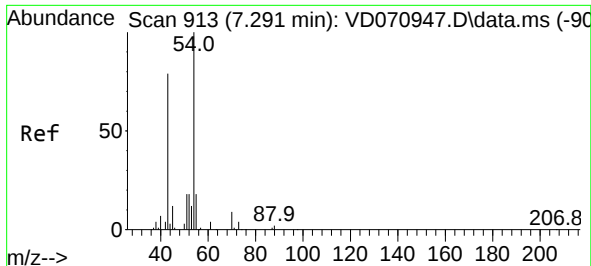
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 18.6 15.2 22.8





#37

Ethyl Acetate

Concen: 6.295 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

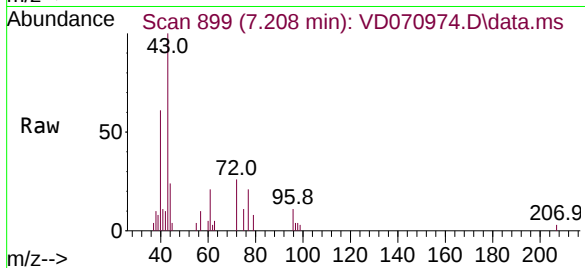
Lab File: VD070974.D

Acq: 10 Nov 2021 17:34

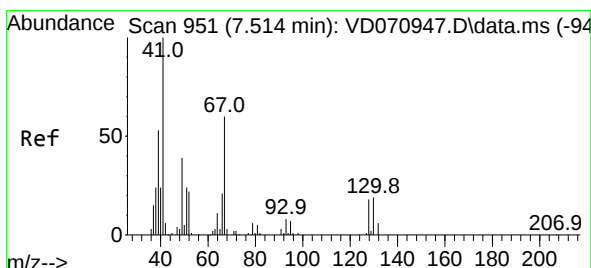
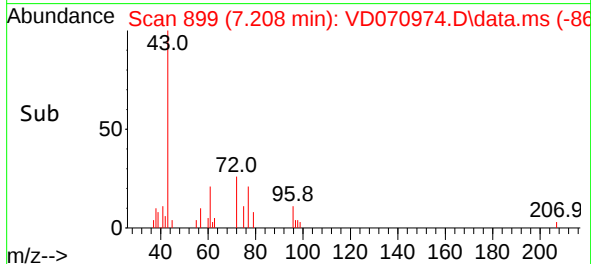
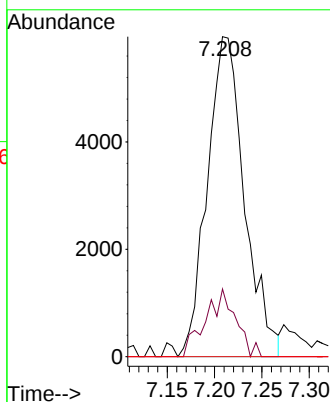
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	16272
Ion	Ratio	Lower	Upper
43	100		
61	17.4	13.0	19.6
70	0.0	8.7	13.1#



#41

Methacrylonitrile

Concen: 3.660 ug/l

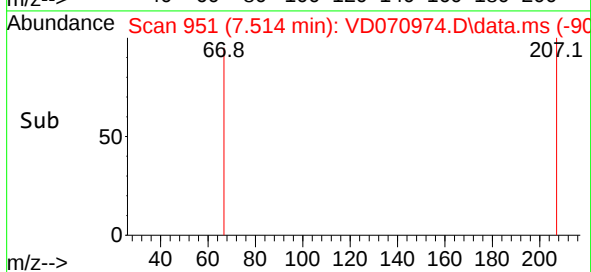
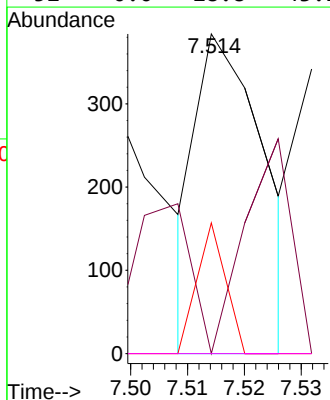
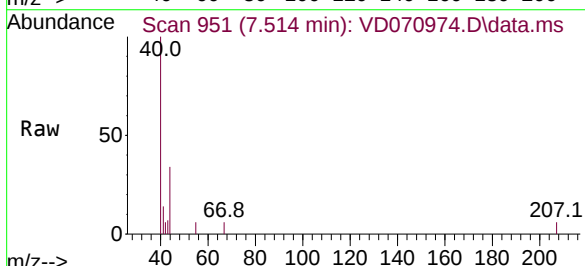
RT: 7.514 min Scan# 951

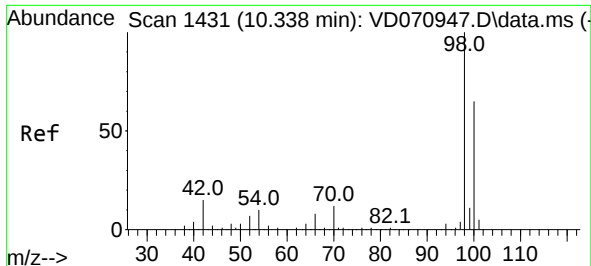
Delta R.T. 0.000 min

Lab File: VD070974.D

Acq: 10 Nov 2021 17:34

Tgt Ion:	41	Resp:	315
Ion	Ratio	Lower	Upper
41	100		
39	38.7	60.2	90.4#
67	17.5	74.8	112.2#
52	0.0	28.8	43.2#

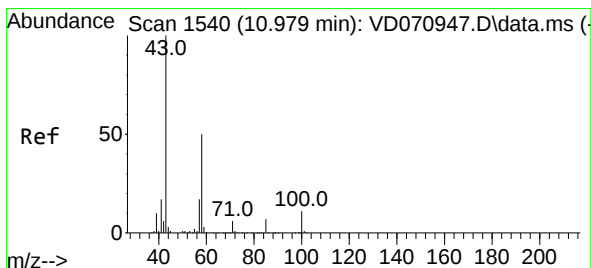
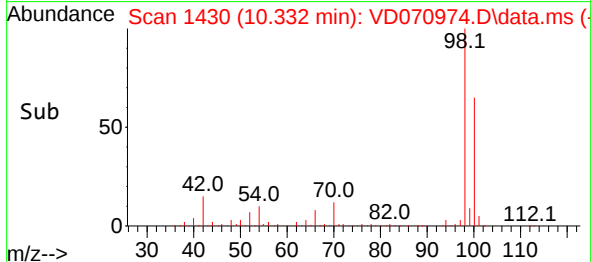
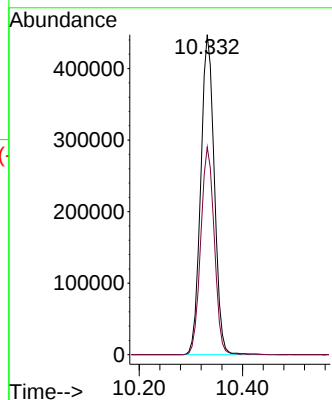
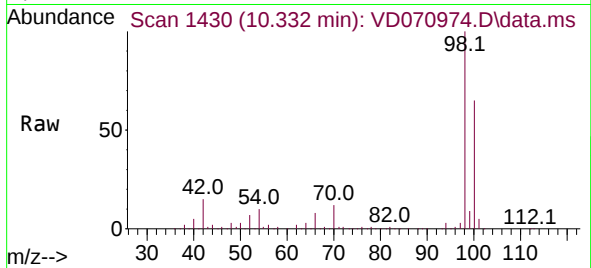




#50
Toluene-d8
Concen: 58.007 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

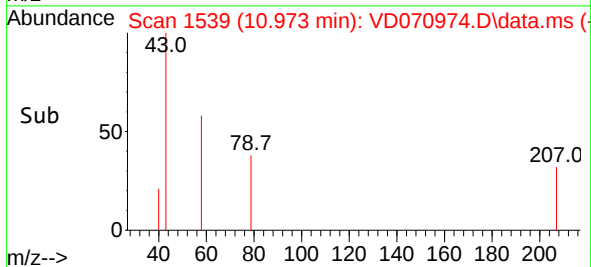
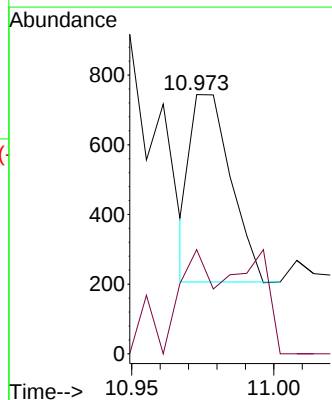
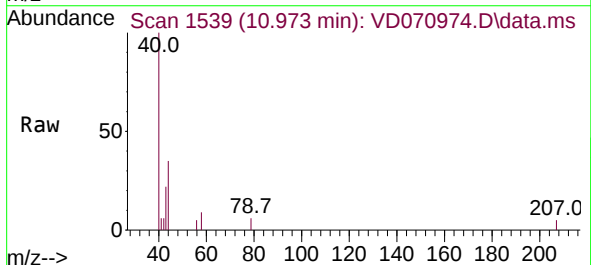
Instrument :
MSVOA_D
ClientSampleId :

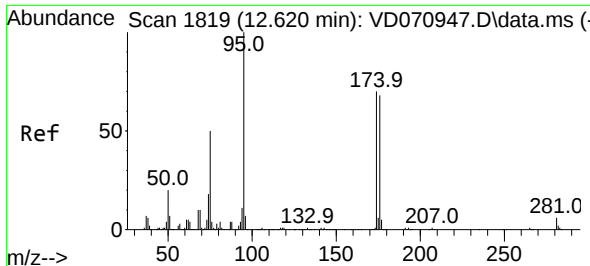
Tgt Ion: 98 Resp: 813417
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#59
2-Hexanone
Concen: 16.175 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
58 56.5 28.7 86.1

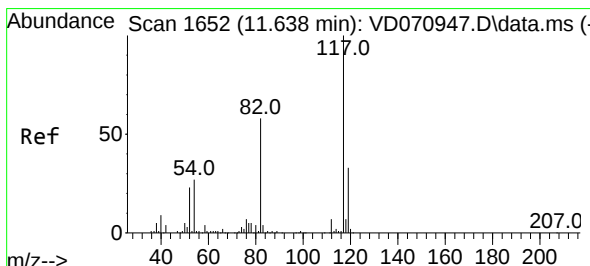
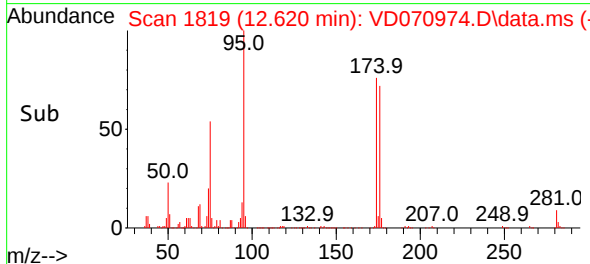
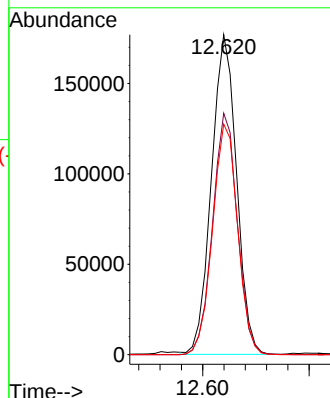
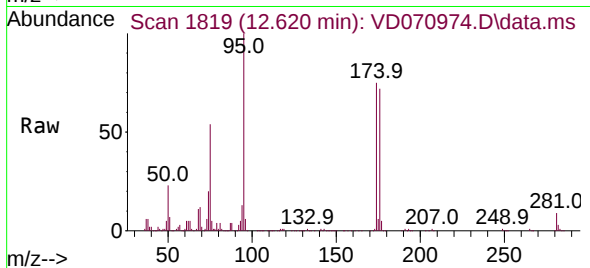




#62
4-Bromofluorobenzene
Concen: 57.159 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

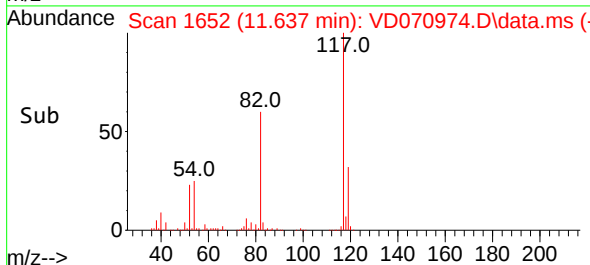
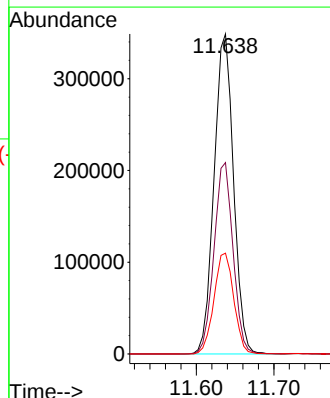
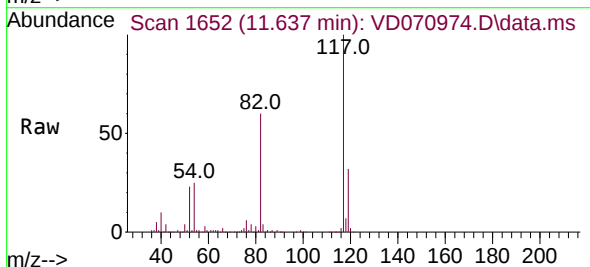
Instrument :
MSVOA_D
ClientSampleId :

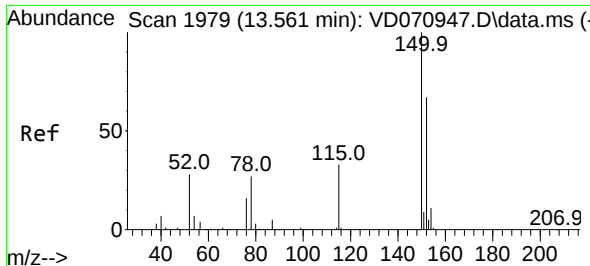
Tgt Ion: 95 Resp: 288597
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.4
176 72.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

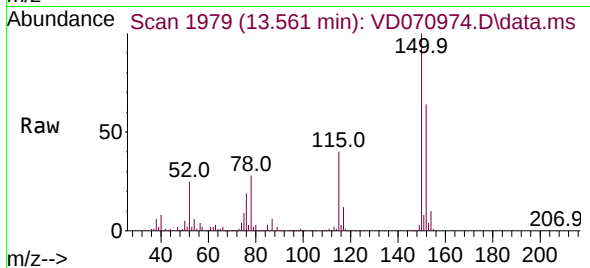
Tgt Ion: 117 Resp: 607650
Ion Ratio Lower Upper
117 100
82 59.8 44.7 67.1
119 31.5 26.2 39.4



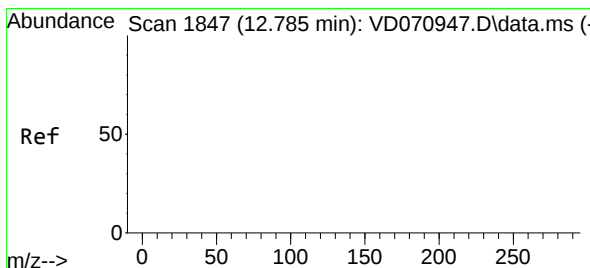
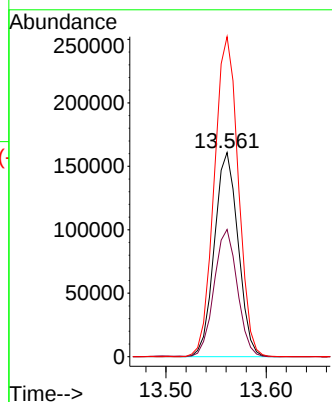
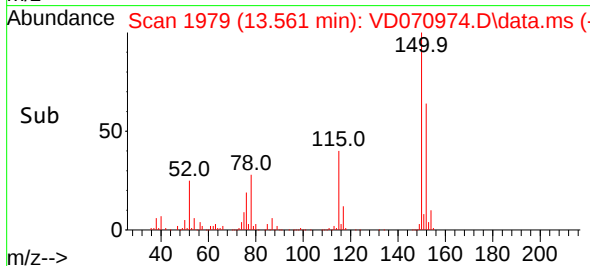


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

Instrument :
MSVOA_D
ClientSampleId :

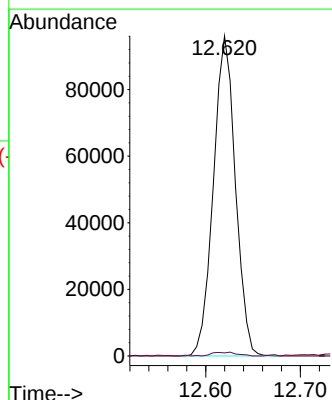
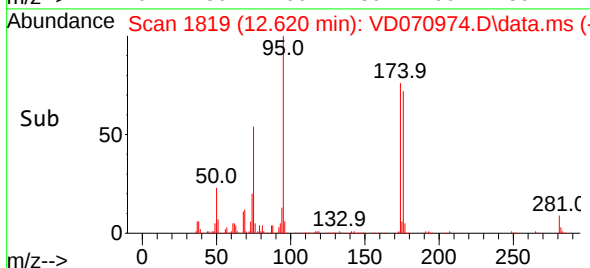
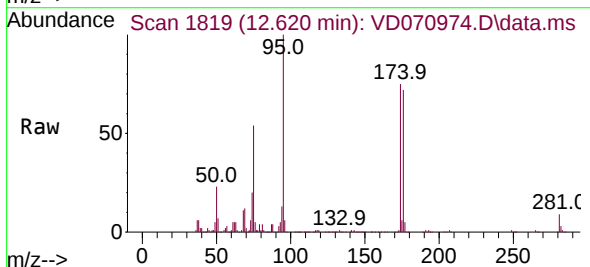


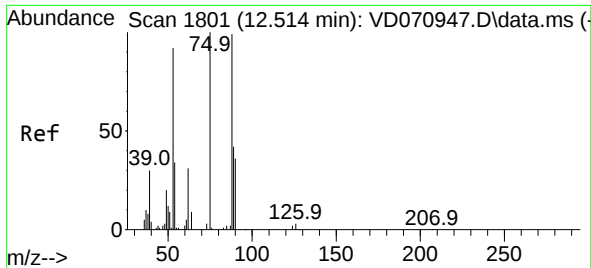
Tgt Ion:152 Resp: 263494
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 159.1 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 68.875 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070974.D
Acq: 10 Nov 2021 17:34

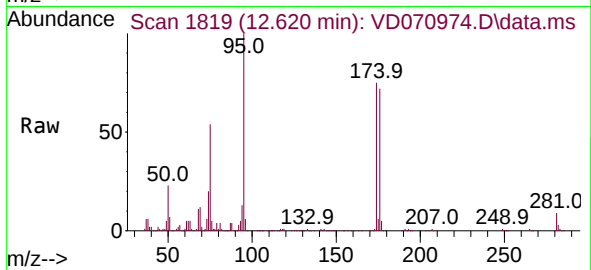
Tgt Ion: 75 Resp: 155022
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.128 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070974.D
 Acq: 10 Nov 2021 17:34

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 155022
 Ion Ratio Lower Upper
 75 100
 53 0.3 62.6 94.0#
 89 0.0 34.5 51.7#

