

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072539.D
 Acq On : 05 Apr 2022 17:10
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 06 01:14:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

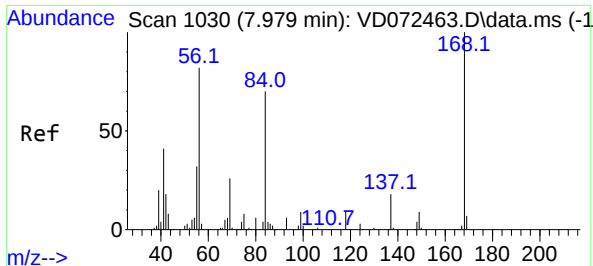
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	658531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1188176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1071047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	484987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	311485	39.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.200%		
35) Dibromofluoromethane	7.908	113	348334	37.724	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.440%		
50) Toluene-d8	10.331	98	1462122	45.553	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.100%		
62) 4-Bromofluorobenzene	12.620	95	498069	39.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.302	142	1383	3.912	ug/l #	65
13) Acrolein	4.138	56	3658	19.594	ug/l #	55
14) Allyl chloride	4.955	41	24956	3.475	ug/l #	55
15) Acrylonitrile	5.502	53	6743	4.000	ug/l #	24
16) Acetone	4.138	43	10621	7.150	ug/l #	66
17) Carbon Disulfide	4.408	76	2930	3.838	ug/l #	87
18) Methyl Acetate	4.949	43	50640	12.101	ug/l #	55
20) Methylene Chloride	4.961	84	18406	2.081	ug/l #	82
23) Vinyl Acetate	6.326	43	56	6.293	ug/l #	75
25) 2-Butanone	7.202	43	7501	3.651	ug/l #	52
31) Cyclohexane	7.979	56	68989	6.623	ug/l #	60
36) 1,1-Dichloropropene	7.973	75	50966	5.346	ug/l #	54
37) Ethyl Acetate	7.202	43	7501	1.533	ug/l #	72
38) Carbon Tetrachloride	7.973	117	71351	5.609	ug/l #	15
39) Methylcyclohexane	9.349	83	655066	47.802	ug/l	97
41) Methacrylonitrile	7.573	41	832	1.939	ug/l #	32
43) Isopropyl Acetate	8.443	43	48440	5.161	ug/l #	54
48) Methyl methacrylate	9.532	41	12698	2.787	ug/l #	19
51) 4-Methyl-2-Pentanone	10.331	43	30134	5.984	ug/l	91
55) 1,1,2-Trichloroethane	10.767	97	70138	9.830	ug/l #	20
56) Ethyl methacrylate	10.673	69	30183	4.549	ug/l #	31
59) 2-Hexanone	10.943	43	73388	21.430	ug/l #	31
74) N-amyl acetate	12.261	43	36733	4.470	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	248545	46.988	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	248545	115.299	ug/l #	7

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

Quant Time: Apr 06 01:14:32 2022
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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
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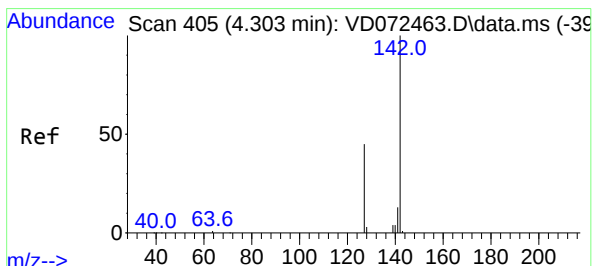
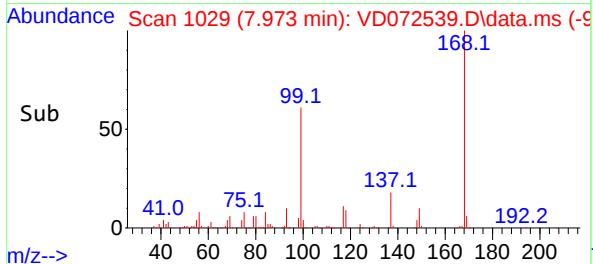
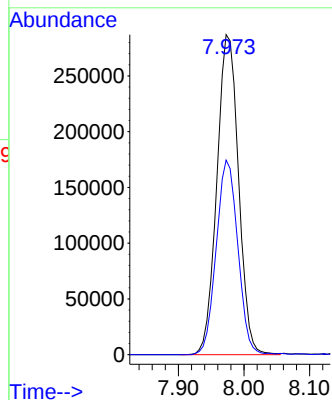
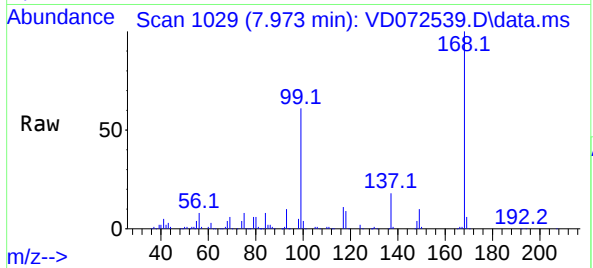




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

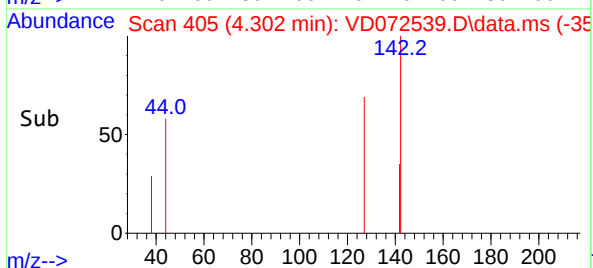
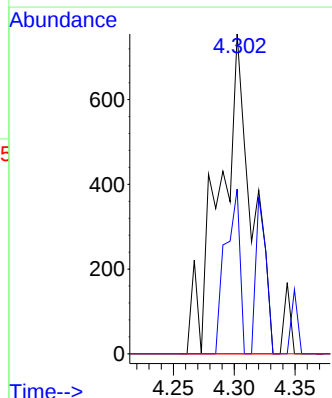
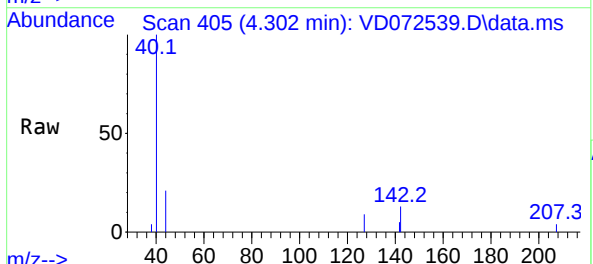
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

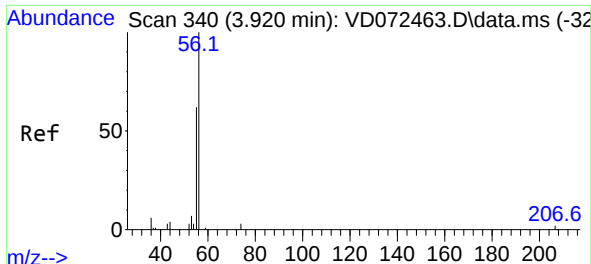
Tgt Ion:168 Resp: 658531
Ion Ratio Lower Upper
168 100
99 60.8 49.8 74.6



#10
Methyl Iodide
Concen: 3.912 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion:142 Resp: 1383
Ion Ratio Lower Upper
142 100
127 23.3 37.3 55.9#
141 0.0 11.7 17.5#

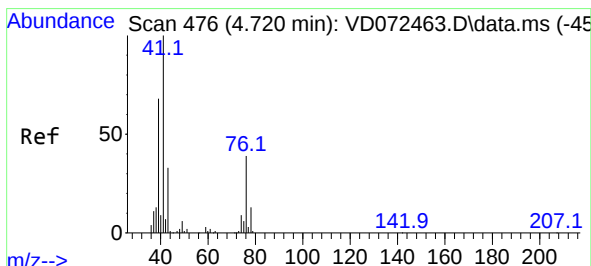
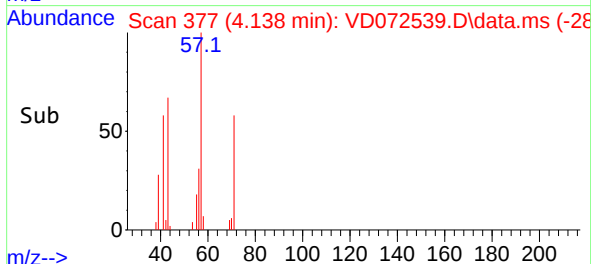
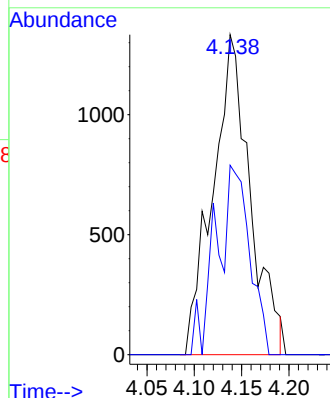
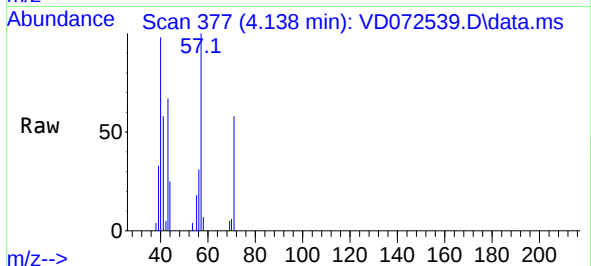




#13
Acrolein
Concen: 19.594 ug/l
RT: 4.138 min Scan# 31
Delta R.T. 0.218 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

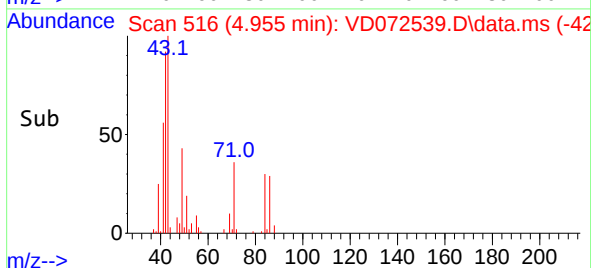
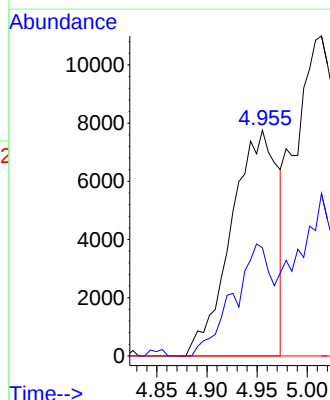
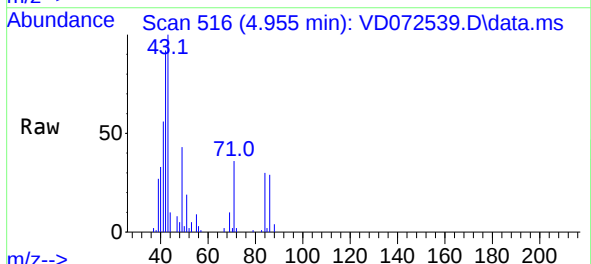
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

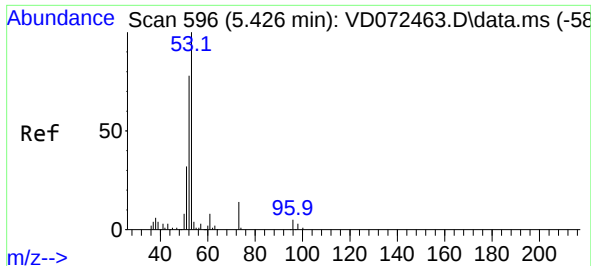
Tgt Ion: 56 Resp: 3658
Ion Ratio Lower Upper
56 100
55 34.2 57.1 85.7#



#14
Allyl chloride
Concen: 3.475 ug/l
RT: 4.955 min Scan# 516
Delta R.T. 0.235 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 41 Resp: 24956
Ion Ratio Lower Upper
41 100
39 40.3 59.3 88.9#
76 0.0 25.7 38.5#

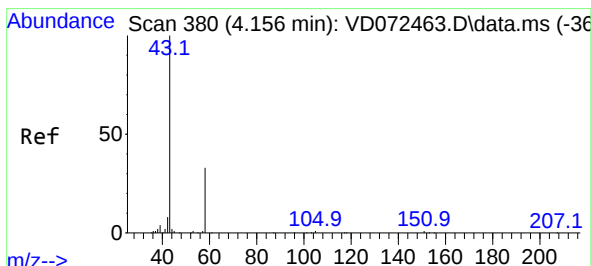
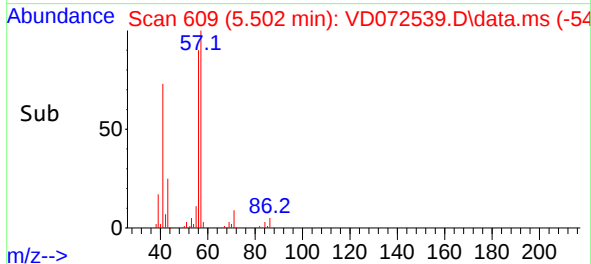
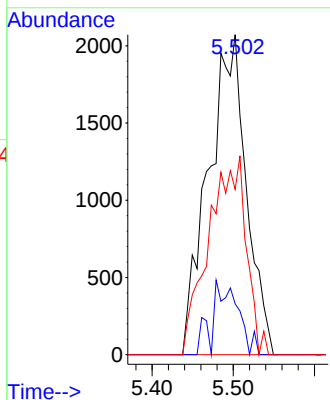
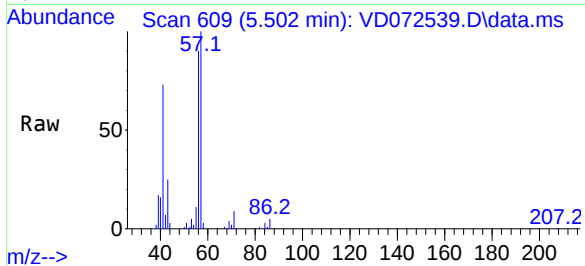




#15
Acrylonitrile
Concen: 4.000 ug/l
RT: 5.502 min Scan# 609
Delta R.T. 0.076 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

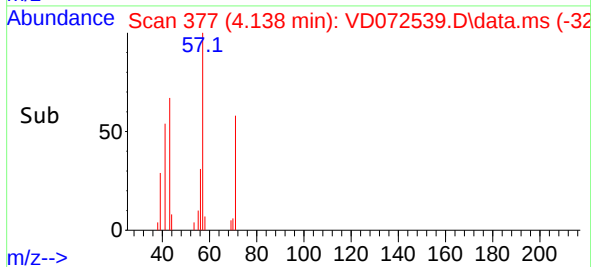
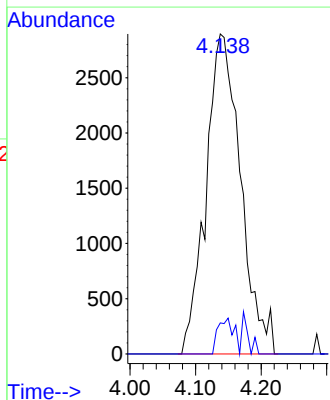
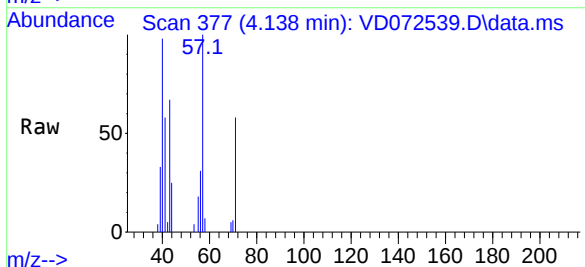
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

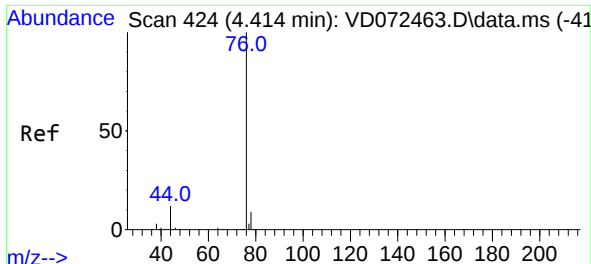
Tgt Ion: 53 Resp: 6743
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 60.7 30.3 45.5#



#16
Acetone
Concen: 7.150 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 43 Resp: 10621
Ion Ratio Lower Upper
43 100
58 9.7 22.1 33.1#

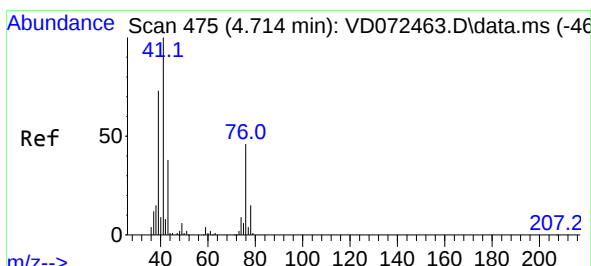
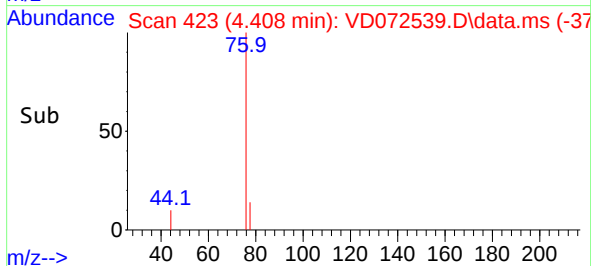
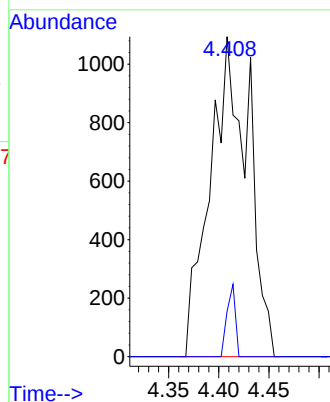
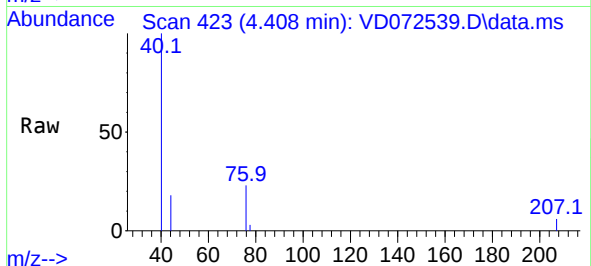




#17
Carbon Disulfide
Concen: 3.838 ug/l
RT: 4.408 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

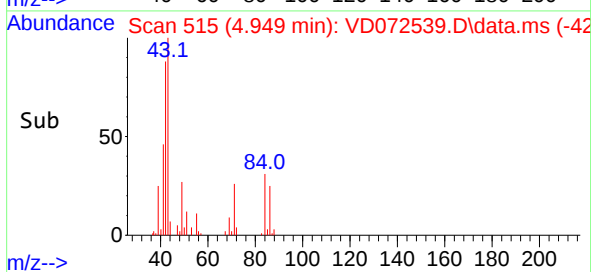
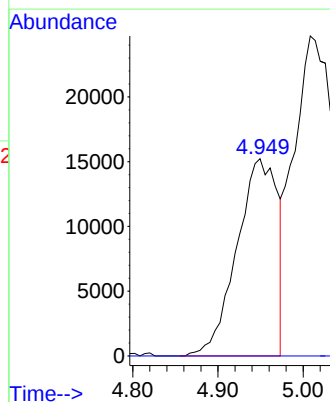
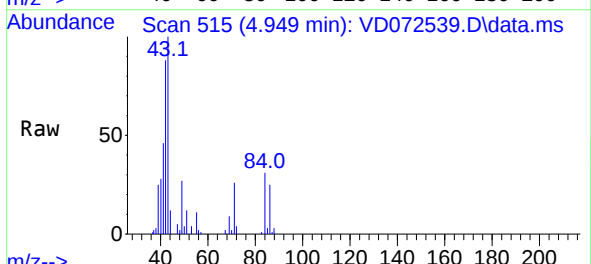
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

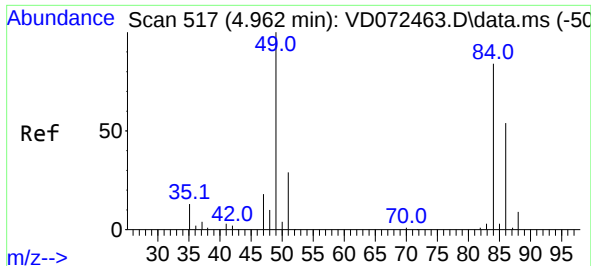
Tgt Ion: 76 Resp: 2930
Ion Ratio Lower Upper
76 100
78 14.2 7.5 11.3#



#18
Methyl Acetate
Concen: 12.101 ug/l
RT: 4.949 min Scan# 515
Delta R.T. 0.235 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 43 Resp: 50640
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



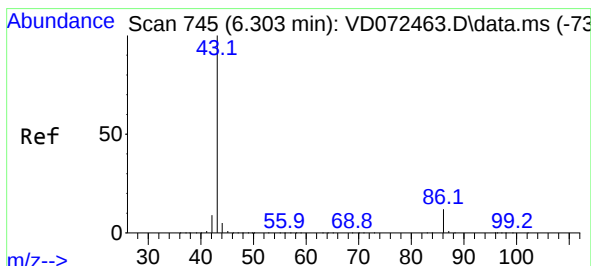
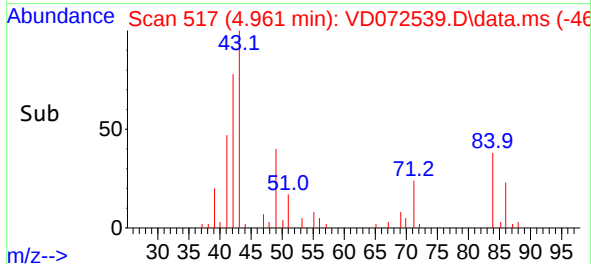
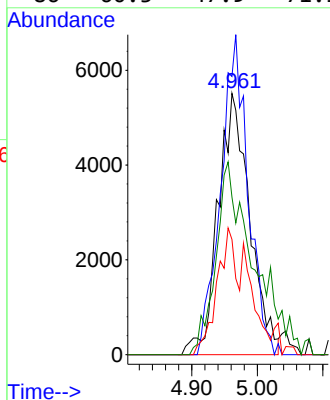
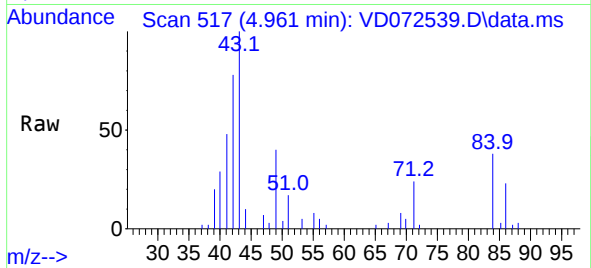


#20
Methylene Chloride
Concen: 2.081 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 18406

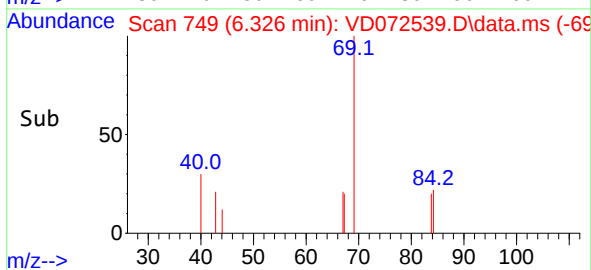
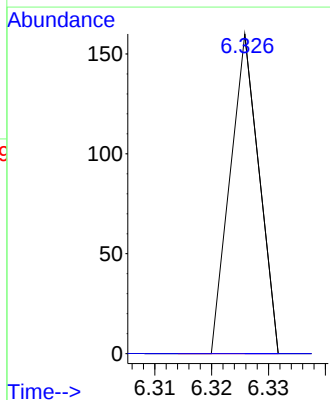
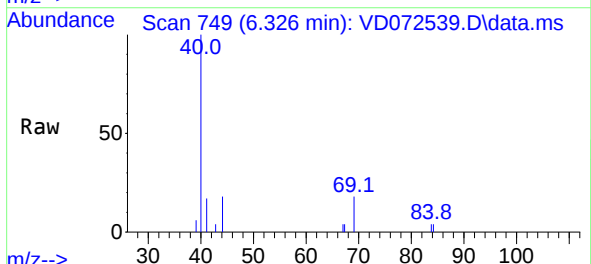
Ion	Ratio	Lower	Upper
84	100		
49	106.5	112.8	169.2#
51	44.1	32.6	48.8
86	60.3	47.9	71.9

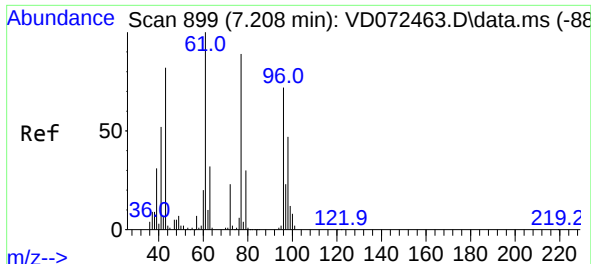


#23
Vinyl Acetate
Concen: 6.293 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#25

2-Butanone

Concen: 3.651 ug/l

RT: 7.202 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

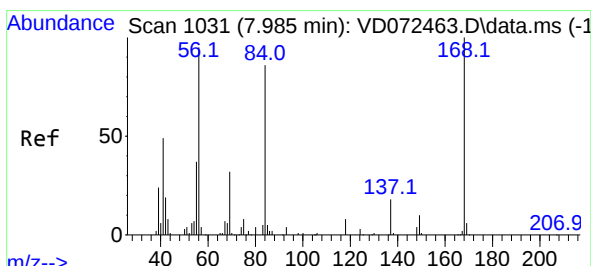
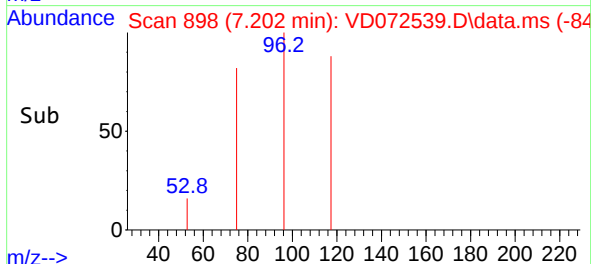
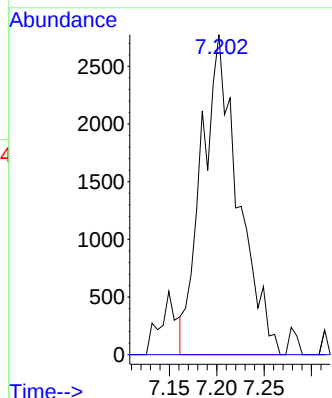
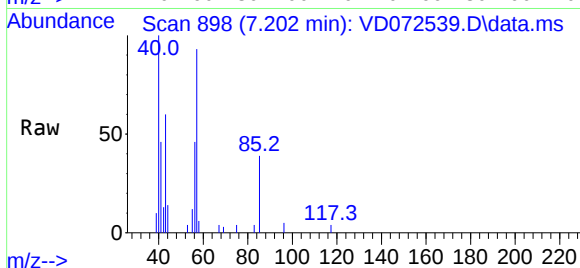
VIBLK

Tgt Ion: 43 Resp: 7501

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 6.623 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

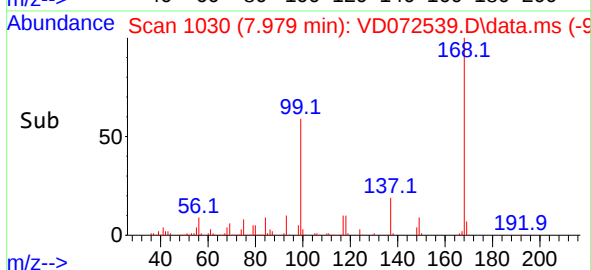
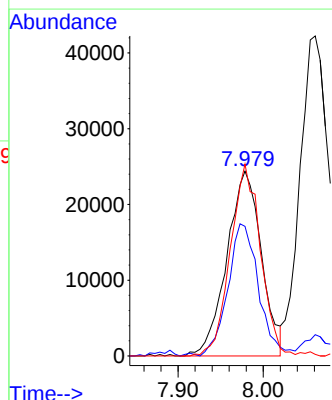
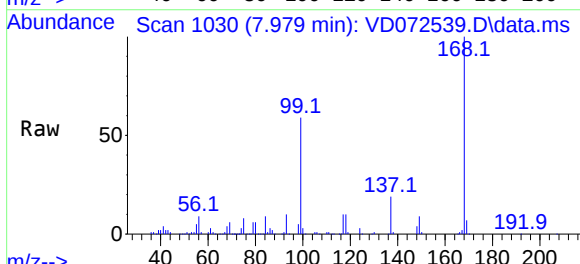
Tgt Ion: 56 Resp: 68989

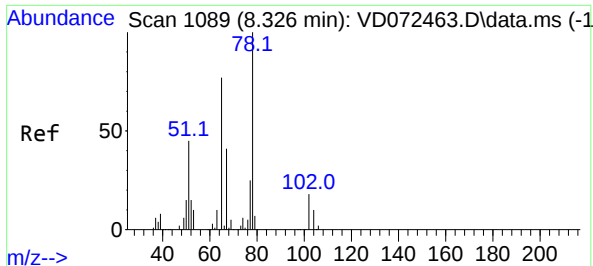
Ion Ratio Lower Upper

56 100

69 70.2 25.4 38.2#

84 103.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 39.101 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

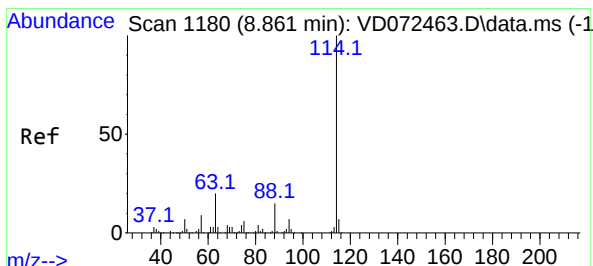
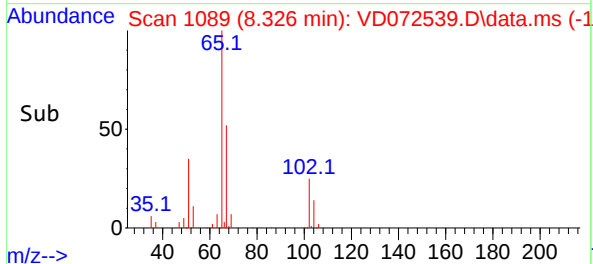
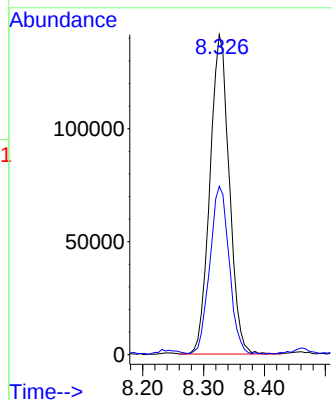
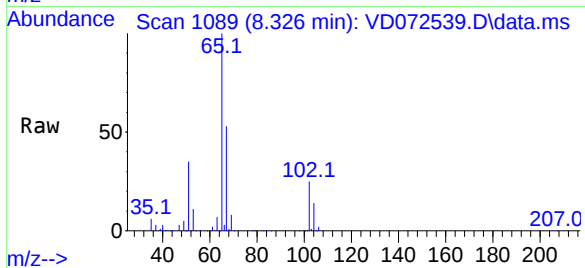
VIBLK

Tgt Ion: 65 Resp: 311485

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

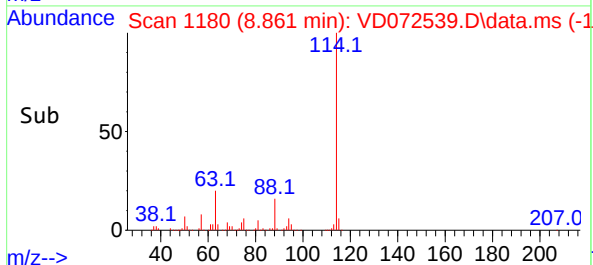
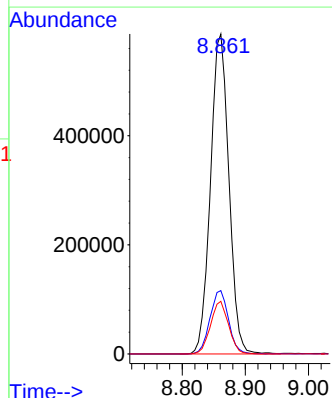
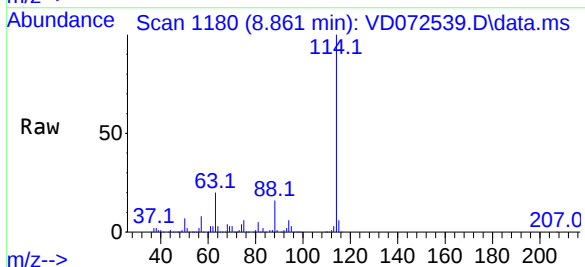
Tgt Ion: 114 Resp: 1188176

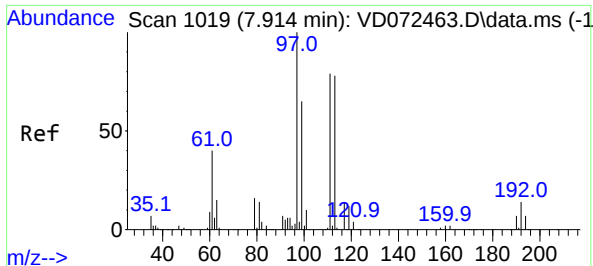
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.4 0.0 33.2

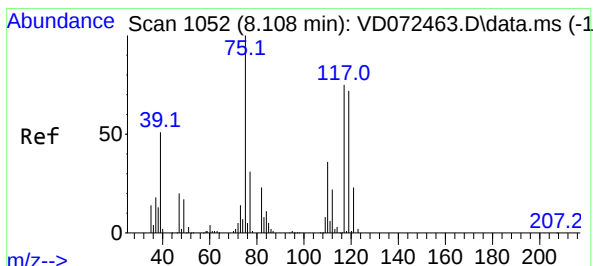
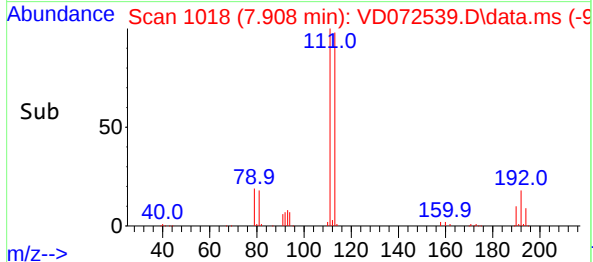
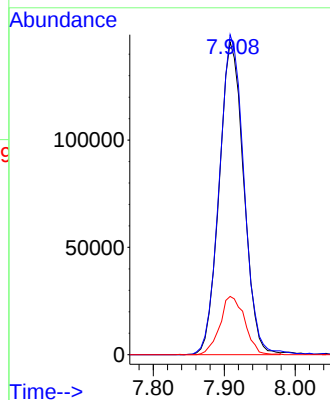
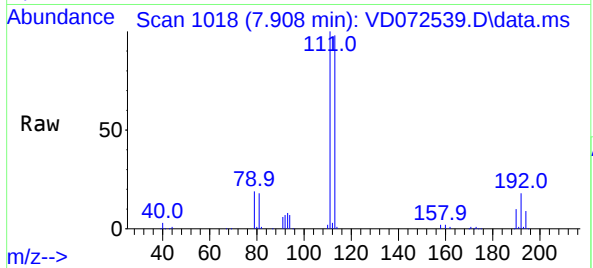




#35
Dibromofluoromethane
Concen: 37.724 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

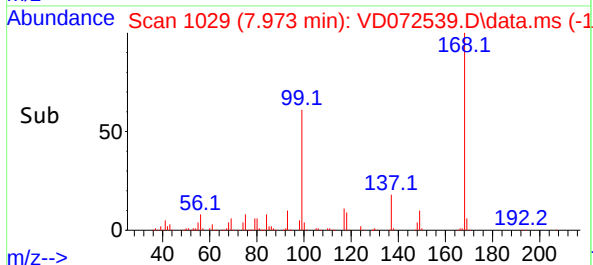
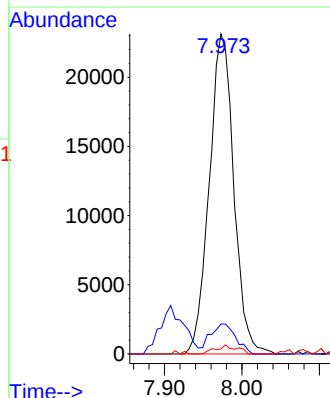
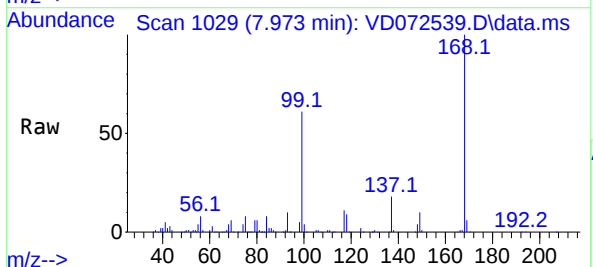
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

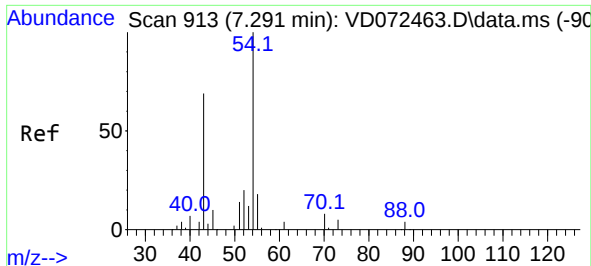
Tgt Ion:113 Resp: 348334
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.6
192 18.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.346 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 75 Resp: 50966
Ion Ratio Lower Upper
75 100
110 9.8 16.4 49.1#
77 2.4 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.533 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.089 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

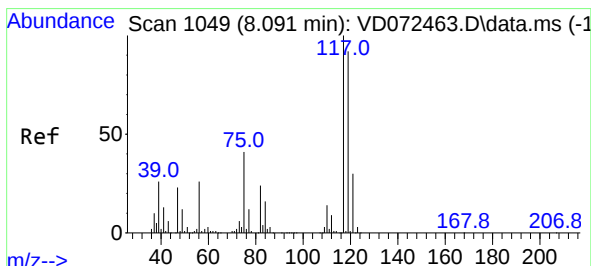
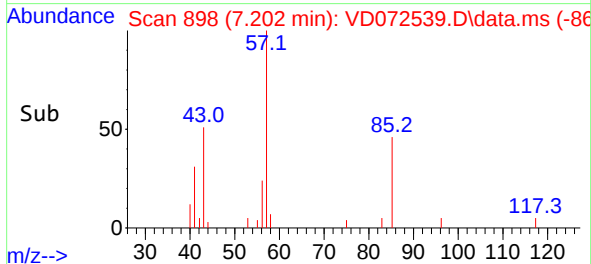
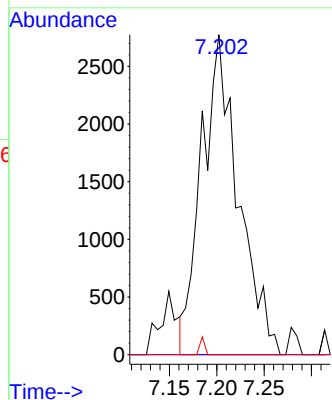
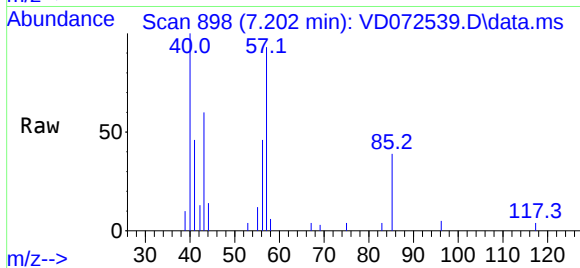
Tgt Ion: 43 Resp: 7501

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.7 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072539.D

Acq: 05 Apr 2022 17:10

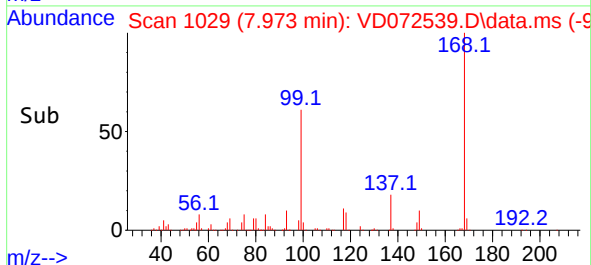
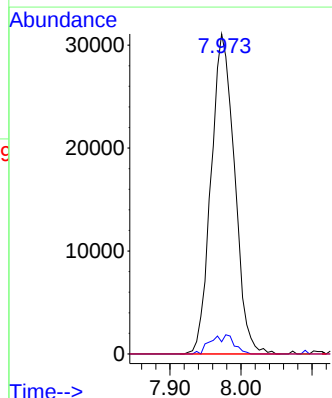
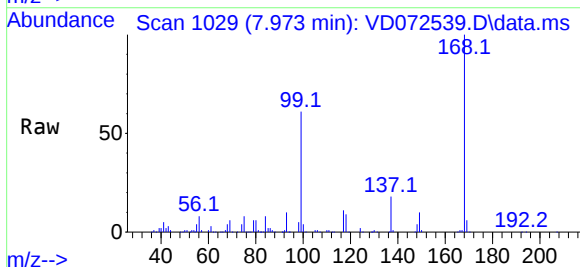
Tgt Ion: 117 Resp: 71351

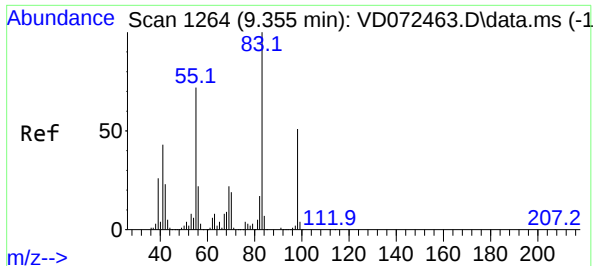
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 24.5 36.7#

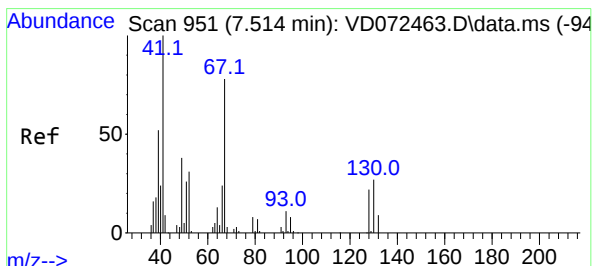
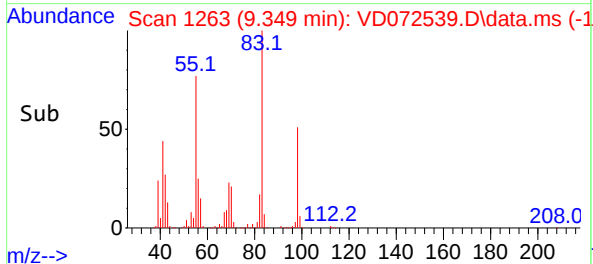
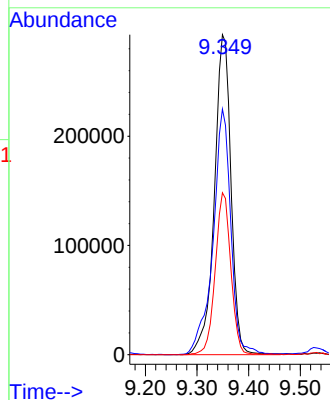
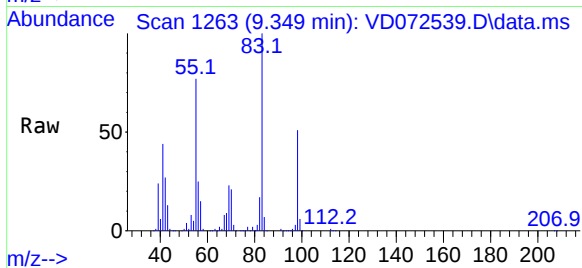




#39
Methylcyclohexane
Concen: 47.802 ug/l
RT: 9.349 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

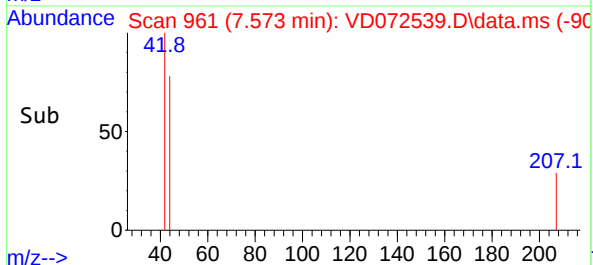
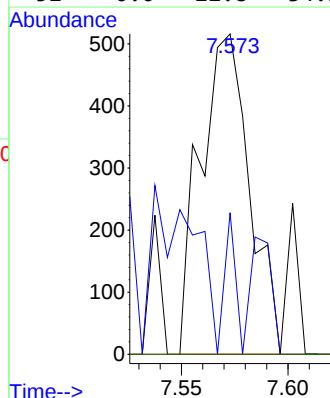
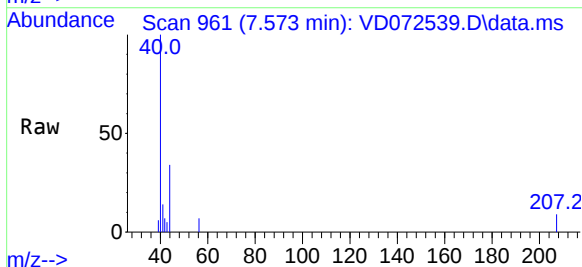
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

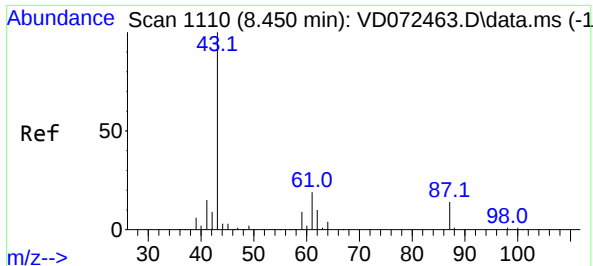
Tgt Ion: 83 Resp: 655066
Ion Ratio Lower Upper
83 100
55 76.7 63.2 94.8
98 50.6 38.2 57.4



#41
Methacrylonitrile
Concen: 1.939 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.059 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 41 Resp: 832
Ion Ratio Lower Upper
41 100
39 9.6 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

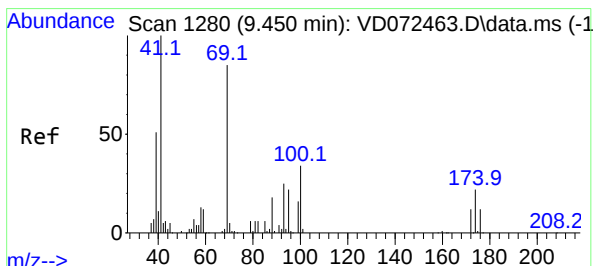
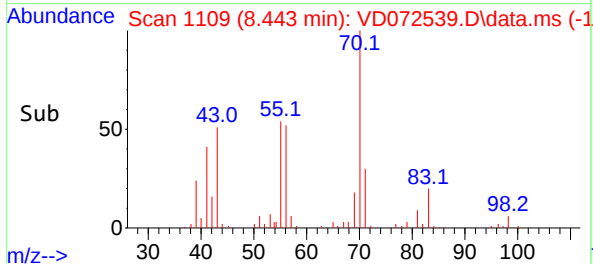
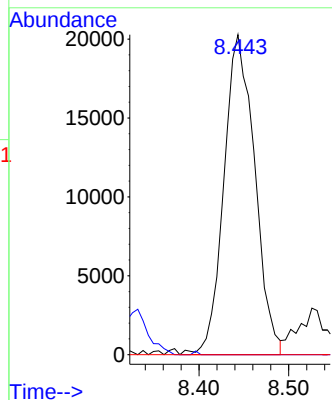
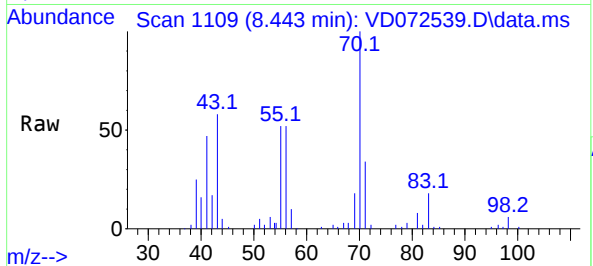




#43
Isopropyl Acetate
Concen: 5.161 ug/l
RT: 8.443 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

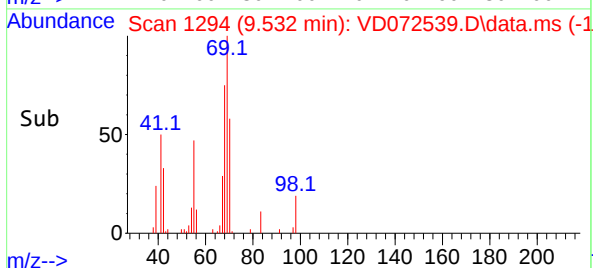
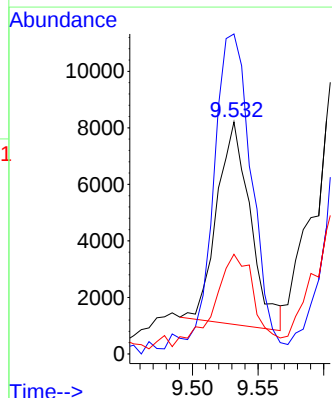
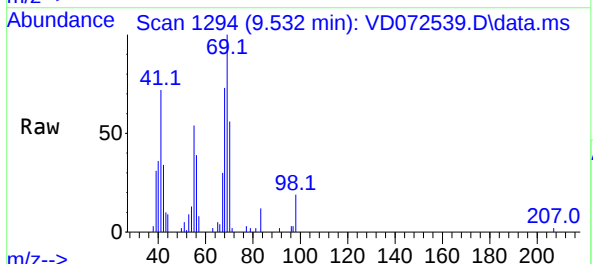
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

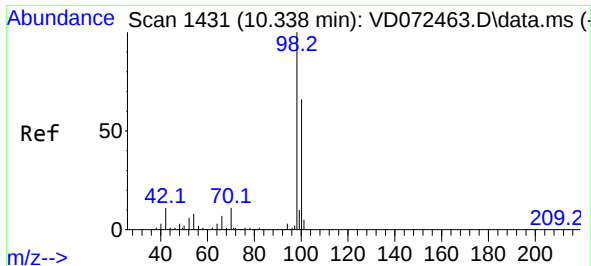
Tgt Ion: 43 Resp: 48440
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#48
Methyl methacrylate
Concen: 2.787 ug/l
RT: 9.532 min Scan# 1294
Delta R.T. 0.082 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 41 Resp: 12698
Ion Ratio Lower Upper
41 100
69 186.5 56.7 85.1#
39 56.2 42.7 64.1

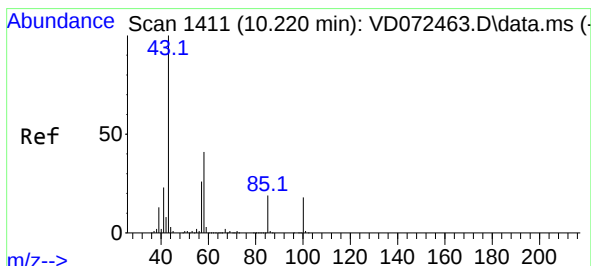
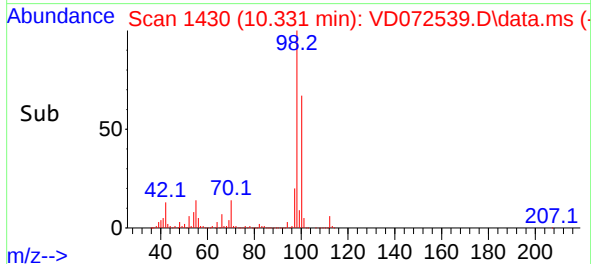
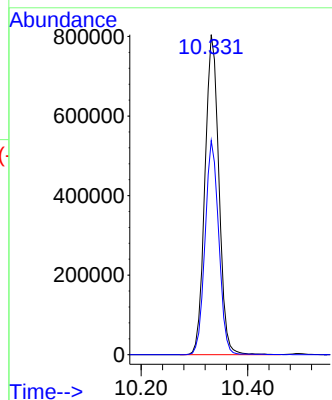
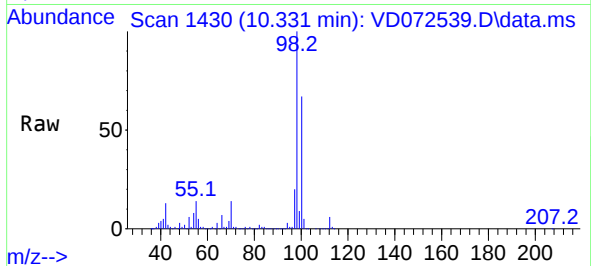




#50
Toluene-d8
Concen: 45.553 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

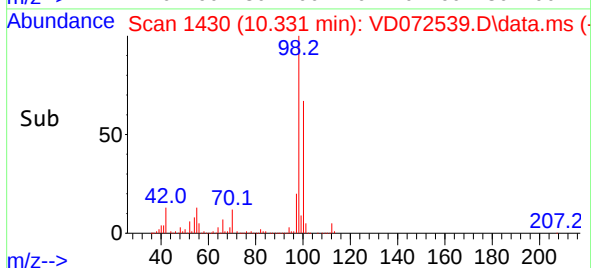
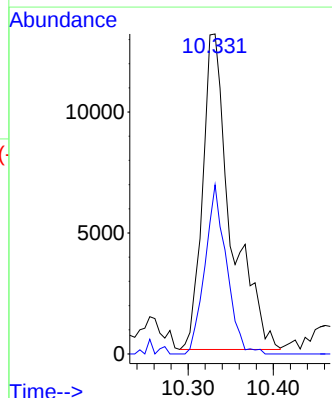
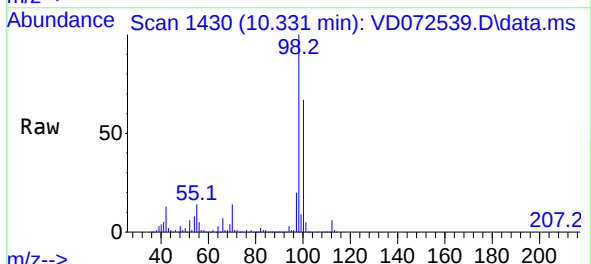
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

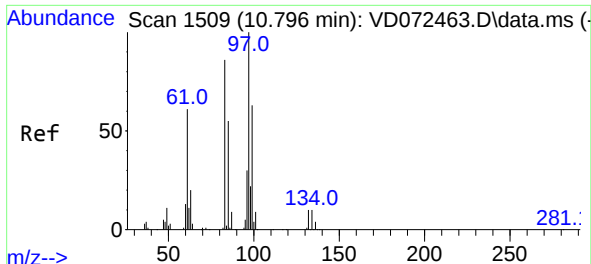
Tgt Ion: 98 Resp: 1462122
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 5.984 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. 0.111 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 43 Resp: 30134
Ion Ratio Lower Upper
43 100
58 40.8 28.6 43.0

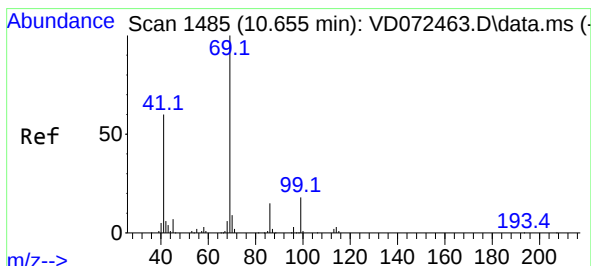
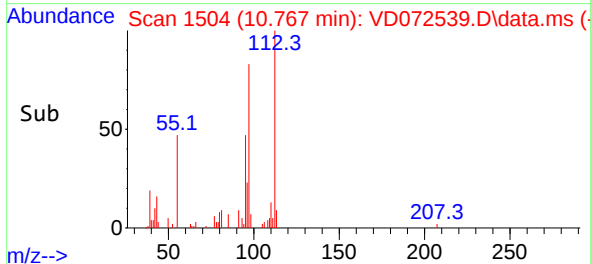
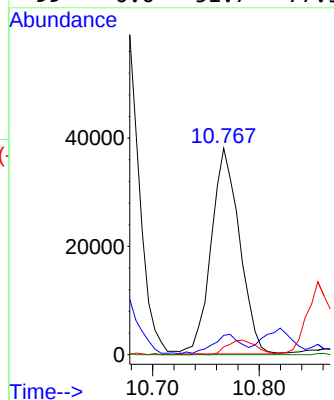
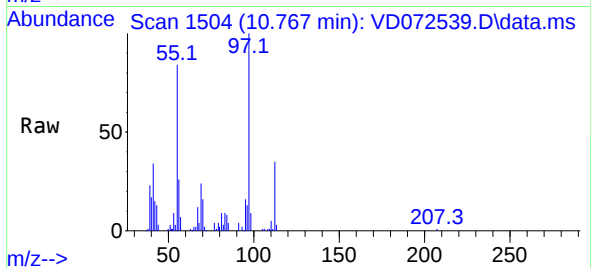




#55
1,1,2-Trichloroethane
Concen: 9.830 ug/l
RT: 10.767 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

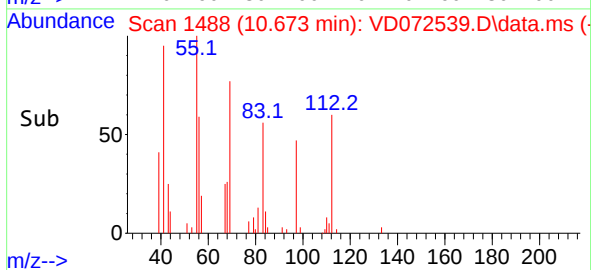
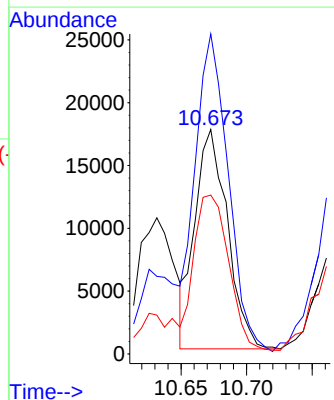
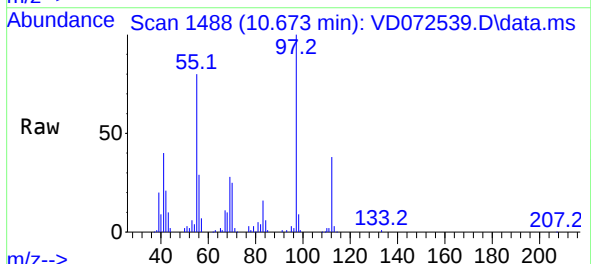
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

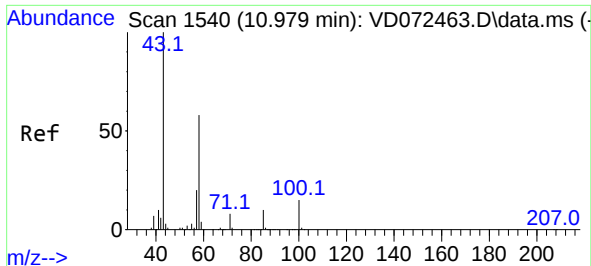
Tgt Ion: 97 Resp: 70138
Ion Ratio Lower Upper
97 100
83 9.0 69.0 103.4#
85 3.8 42.6 63.8#
99 0.0 51.7 77.5#



#56
Ethyl methacrylate
Concen: 4.549 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 69 Resp: 30183
Ion Ratio Lower Upper
69 100
41 146.7 63.0 94.6#
39 75.7 33.8 50.8#

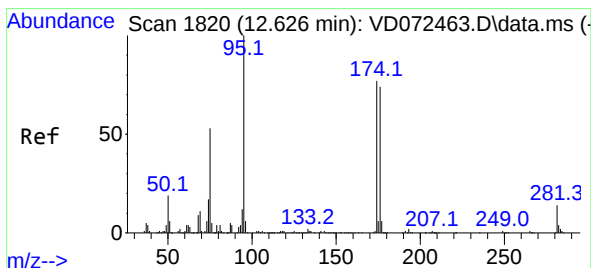
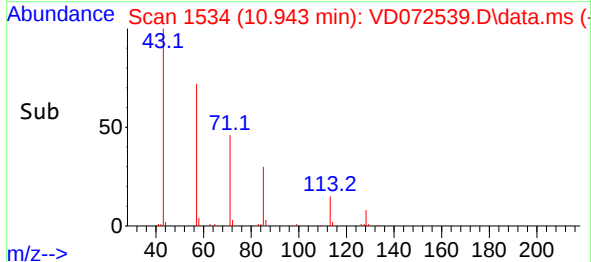
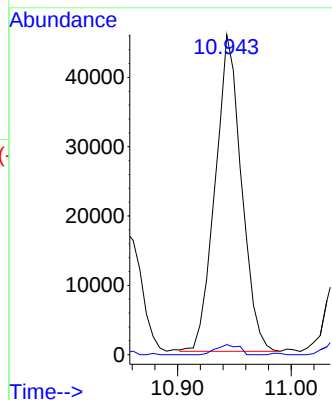
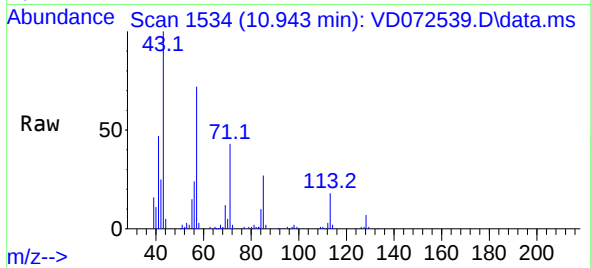




#59
2-Hexanone
Concen: 21.430 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

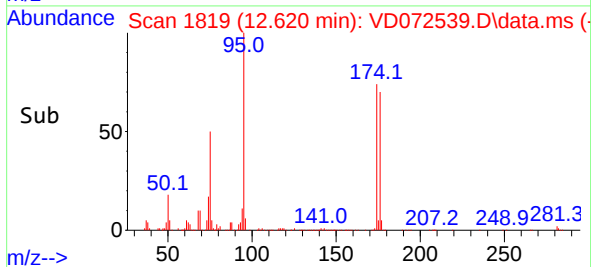
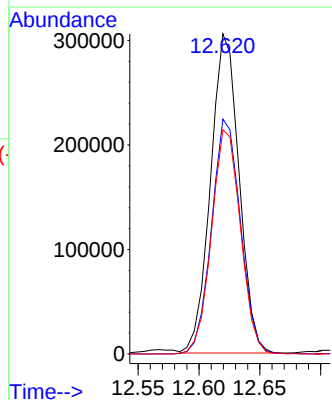
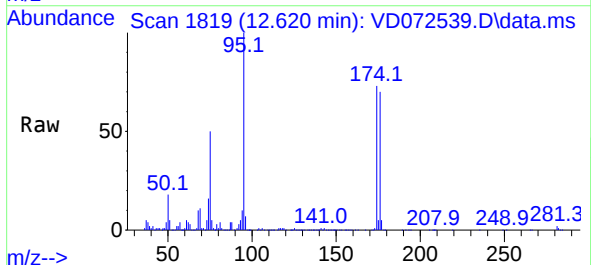
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

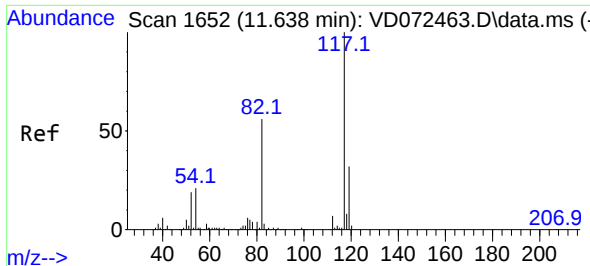
Tgt Ion: 43 Resp: 73388
Ion Ratio Lower Upper
43 100
58 2.8 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 39.733 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 95 Resp: 498069
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 71.3 0.0 145.4

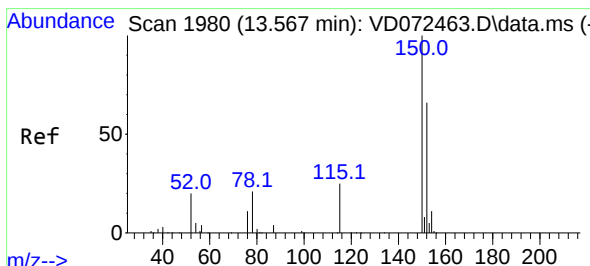
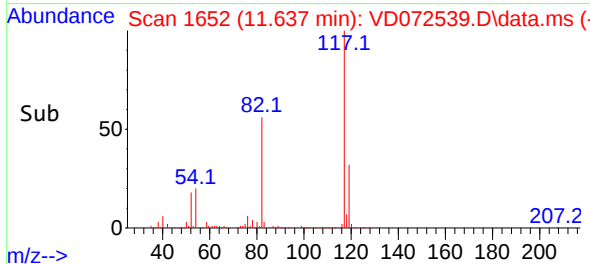
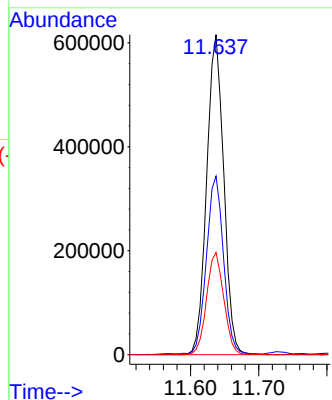
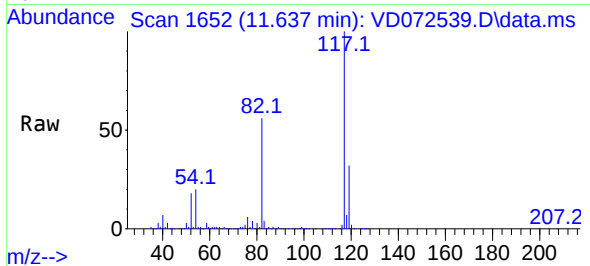




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

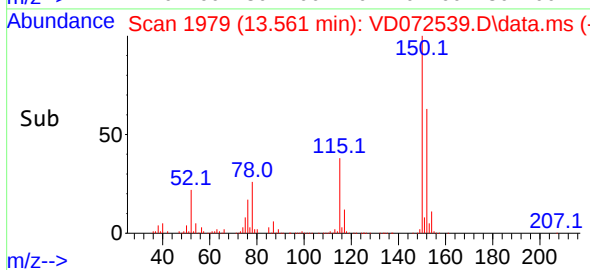
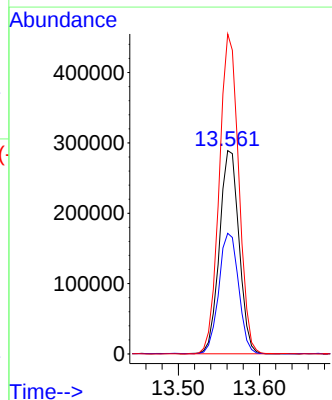
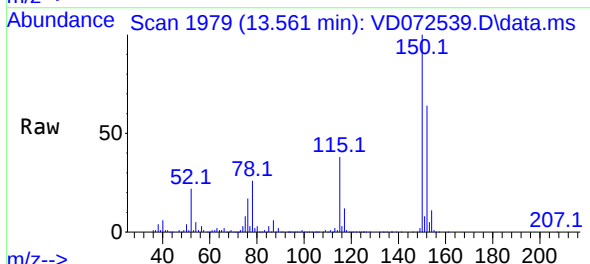
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

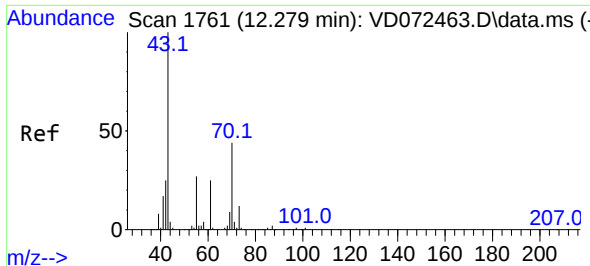
Tgt Ion:117 Resp: 1071047
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion:152 Resp: 484987
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 156.8 0.0 348.6



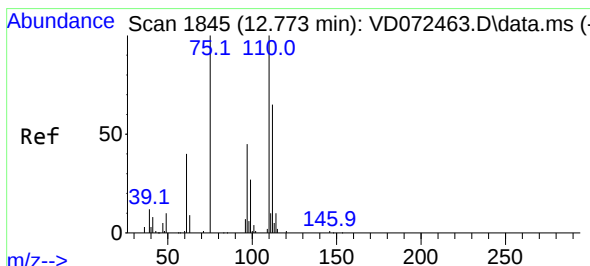
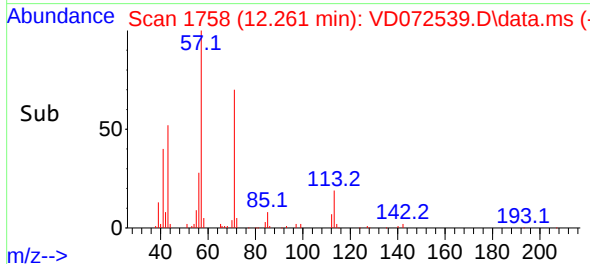
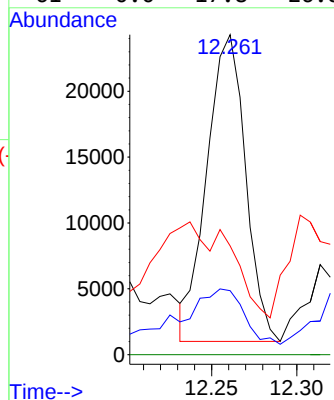
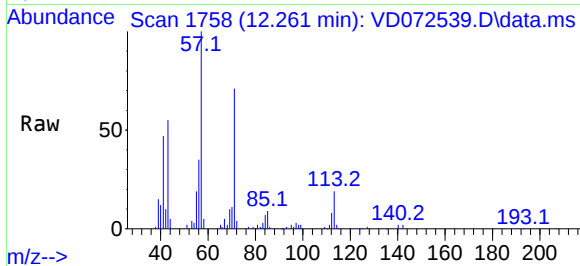


#74
N-amy1 acetate
Concen: 4.470 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 36733

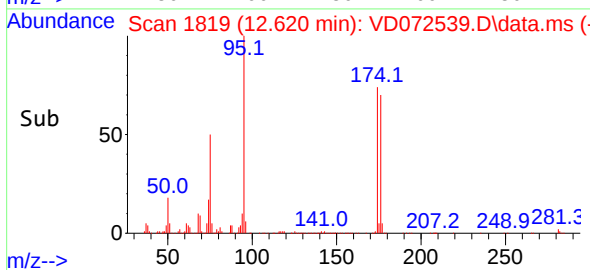
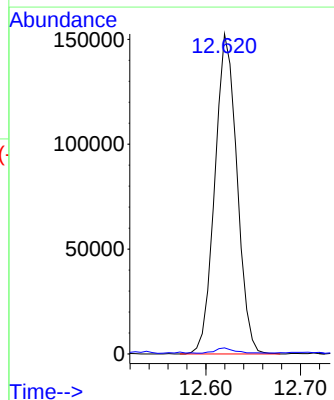
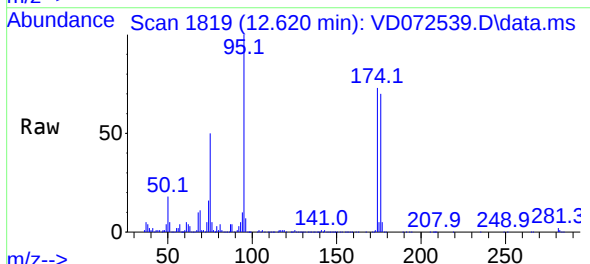
Ion	Ratio	Lower	Upper
43	100		
70	29.9	31.3	46.9#
55	0.0	20.0	30.0#
61	0.0	17.8	26.8#

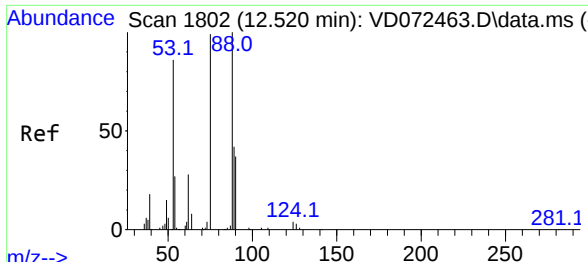


#76
1,2,3-Trichloropropane
Concen: 46.988 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072539.D
Acq: 05 Apr 2022 17:10

Tgt Ion: 75 Resp: 248545

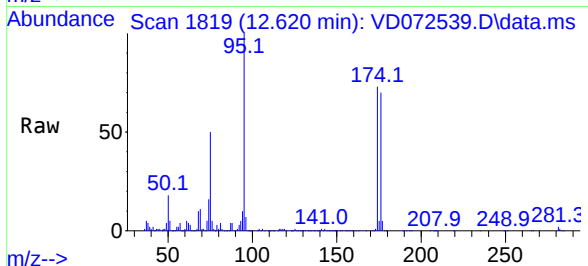
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.299 ug/l
 RT: 12.620 min Scan# 1802
 Delta R.T. 0.100 min
 Lab File: VD072539.D
 Acq: 05 Apr 2022 17:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 248545
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.5 129.7#
 89 0.0 33.9 50.9#

