

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073996.D
 Acq On : 09 Aug 2022 14:46
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Aug 10 01:07:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 01:05:43 2022
 Response via : Initial Calibration

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

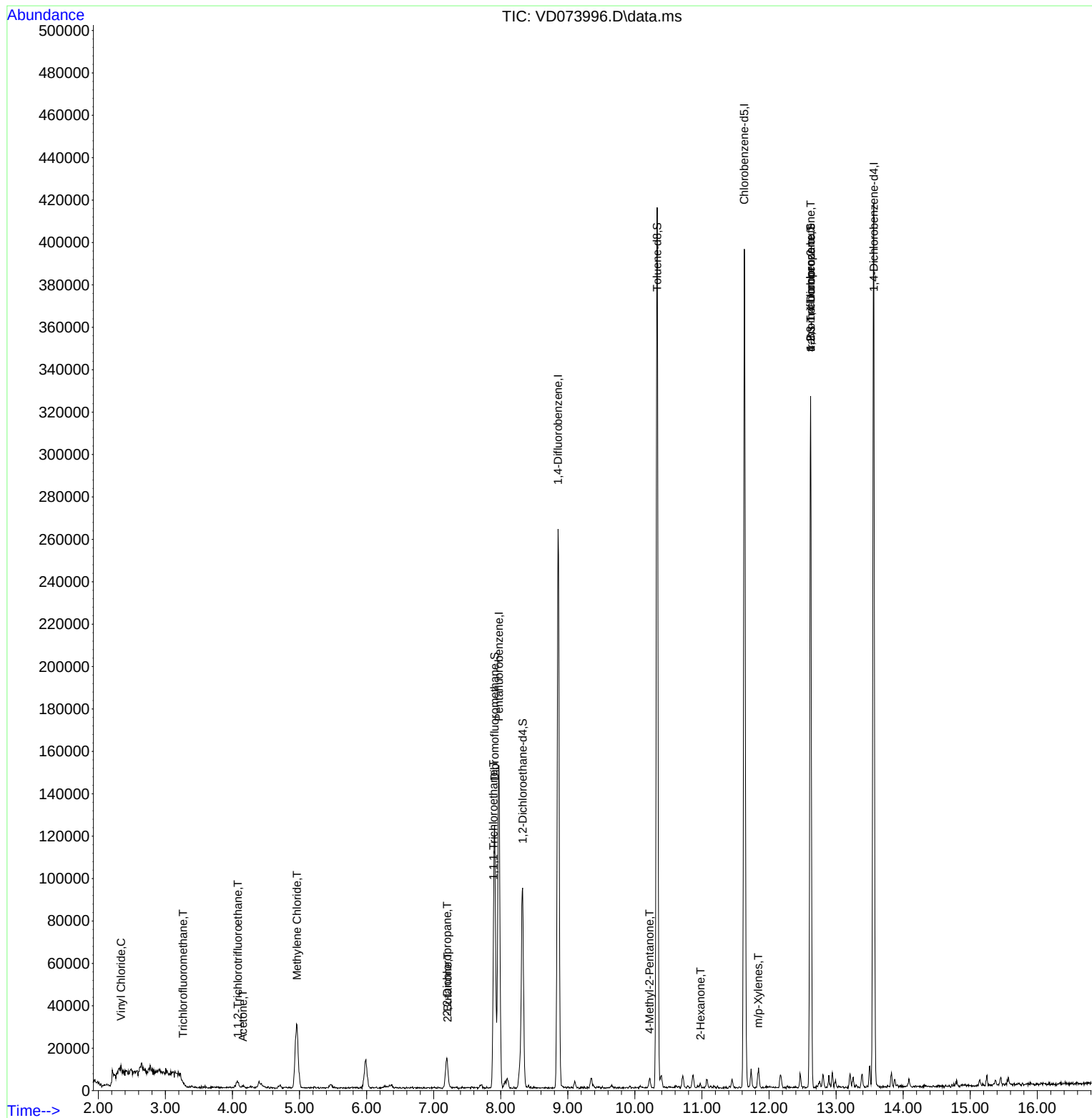
Internal Standards						
1) Pentafluorobenzene	7.973	168	108440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	228851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	225729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	105995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	74122	77.097	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.200%	
35) Dibromofluoromethane	7.909	113	85609	61.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.480%	
50) Toluene-d8	10.332	98	275672	66.754	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.500%	
62) 4-Bromofluorobenzene	12.620	95	98305	55.388	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	956	Below Cal		99
3) Chloromethane	2.209	50	2227	Below Cal		96
4) Vinyl Chloride	2.338	62	2046	1.114 ug/l	#	77
5) Bromomethane	2.774	94	2526	Below Cal		88
7) Trichlorofluoromethane	3.262	101	2518	1.211 ug/l		94
9) 1,1,2-Trichlorotrifluo...	4.079	101	1575	1.419 ug/l	#	67
11) Tert butyl alcohol	5.220	59	129	Below Cal	#	74
16) Acetone	4.156	43	833	4.155 ug/l		91
17) Carbon Disulfide	4.397	76	5758	Below Cal		96
18) Methyl Acetate	4.868	43	61	Below Cal	#	49
20) Methylene Chloride	4.962	84	25156	14.552 ug/l		93
25) 2-Butanone	7.209	43	860	2.829 ug/l	#	46
26) 2,2-Dichloropropane	7.203	77	2722	1.372 ug/l	#	58
31) Cyclohexane	7.973	56	4353	Below Cal	#	72
32) 1,1,1-Trichloroethane	7.891	97	2250	1.062 ug/l	#	50
51) 4-Methyl-2-Pentanone	10.220	43	3127	3.745 ug/l		94
59) 2-Hexanone	10.979	43	1449	2.560 ug/l		85
68) m/p-Xylenes	11.838	106	3022	1.008 ug/l		92
76) 1,2,3-Trichloropropane	12.620	75	53524	66.623 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	53524	143.190 ug/l	#	13

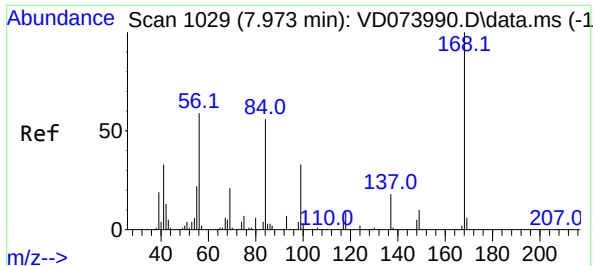
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

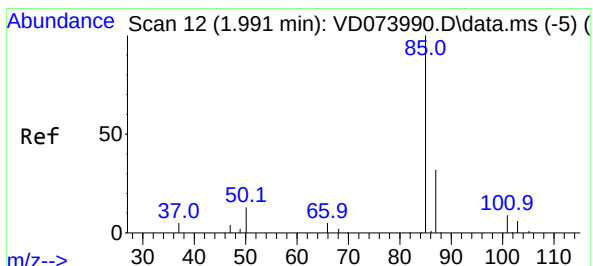
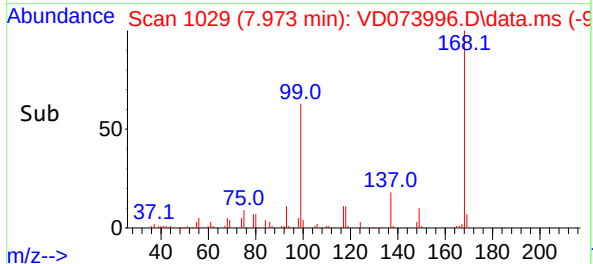
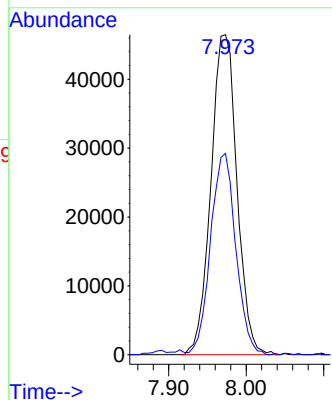
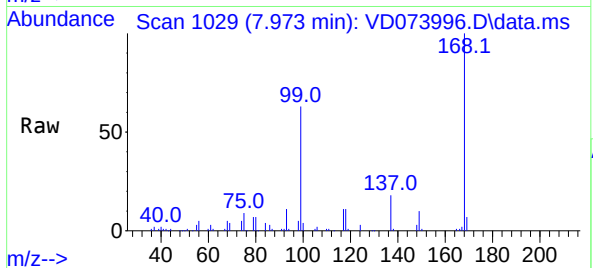




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

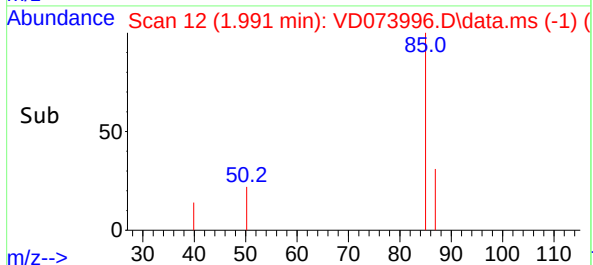
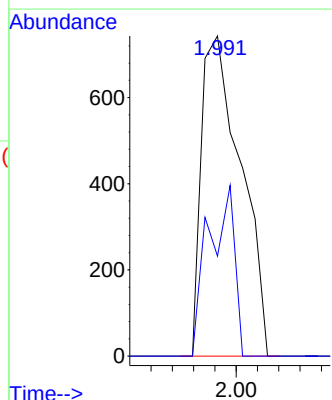
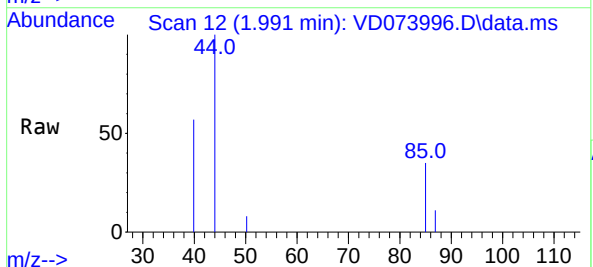
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 108440
Ion Ratio Lower Upper
168 100
99 62.9 48.3 72.5

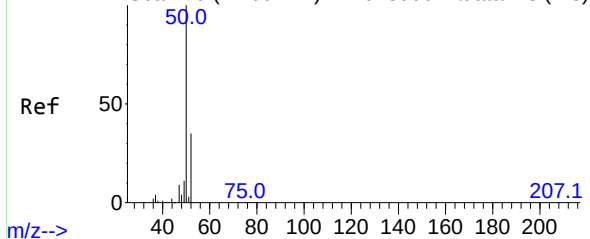


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 85 Resp: 956
Ion Ratio Lower Upper
85 100
87 31.2 16.0 47.9



Abundance Scan 49 (2.209 min): VD073990.D\data.ms (-43)



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

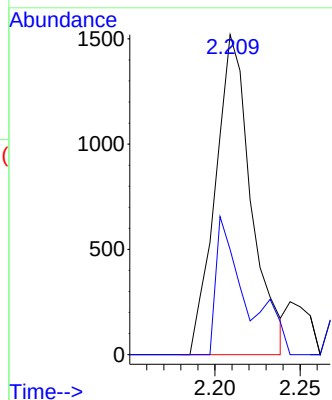
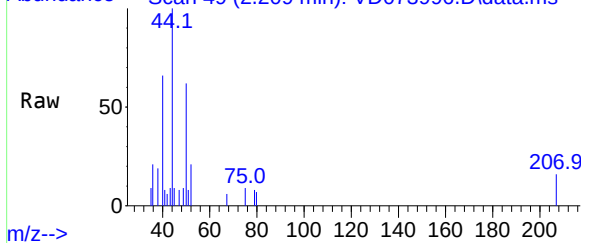
Tgt Ion: 50 Resp: 2227

Ion Ratio Lower Upper

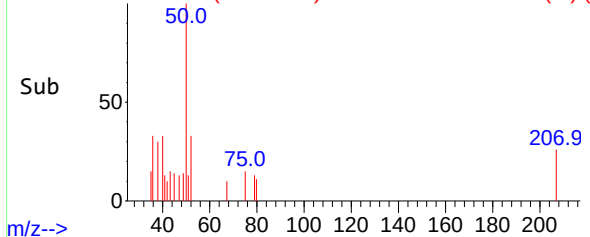
50 100

52 32.8 28.1 42.1

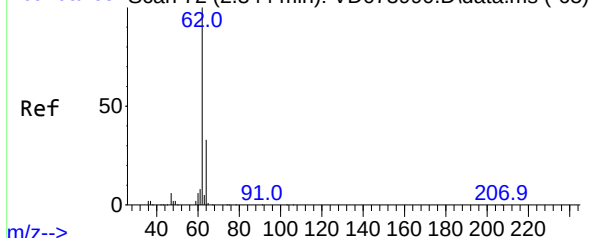
Abundance Scan 49 (2.209 min): VD073996.D\data.ms



Abundance Scan 49 (2.209 min): VD073996.D\data.ms (-1)



Abundance Scan 72 (2.344 min): VD073990.D\data.ms (-65)



#4

Vinyl Chloride

Concen: 1.114 ug/l

RT: 2.338 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

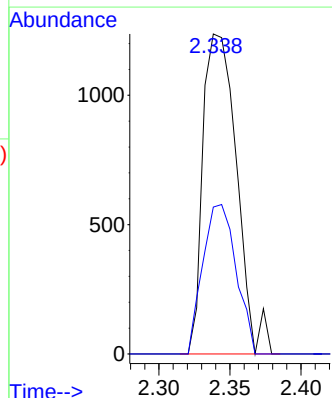
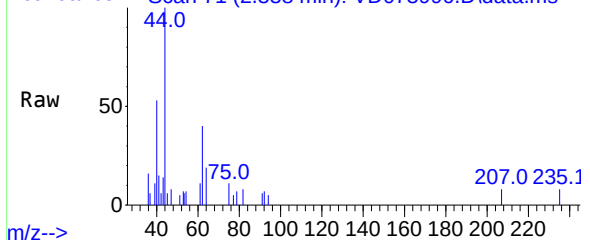
Tgt Ion: 62 Resp: 2046

Ion Ratio Lower Upper

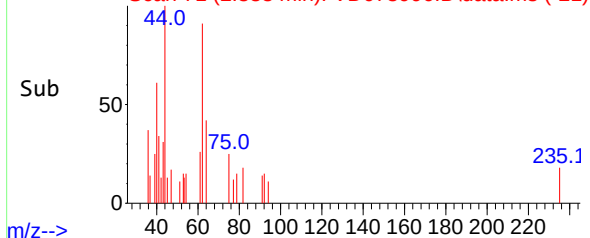
62 100

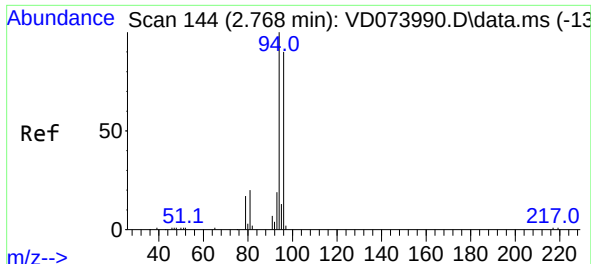
64 45.9 26.2 39.4#

Abundance Scan 71 (2.338 min): VD073996.D\data.ms



Abundance Scan 71 (2.338 min): VD073996.D\data.ms (-21)

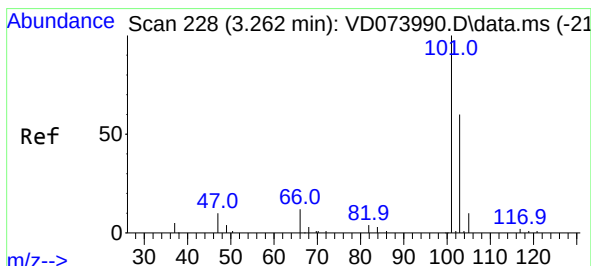
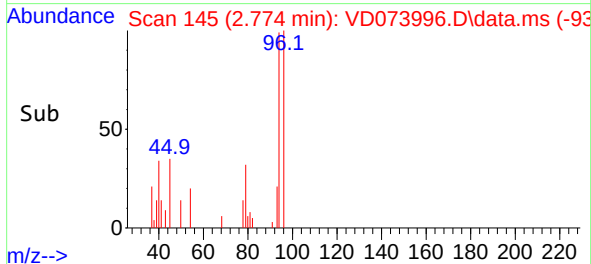
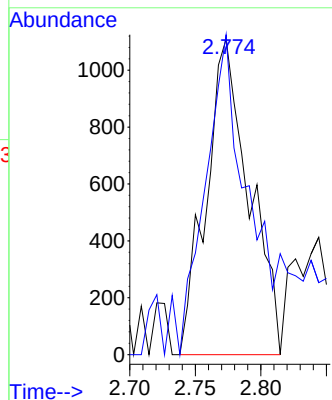
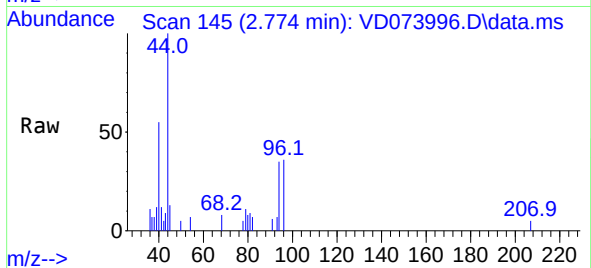




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

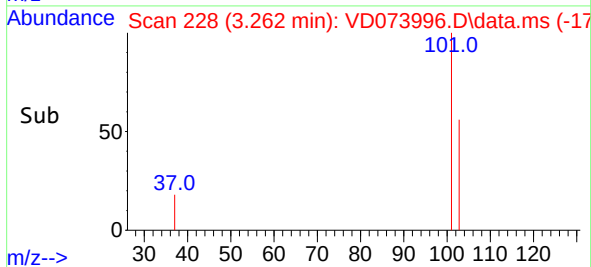
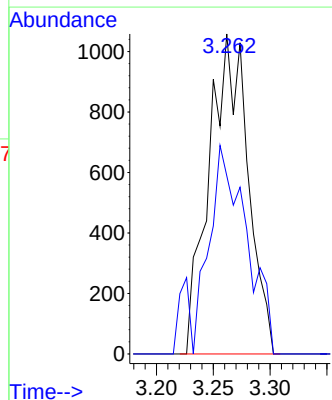
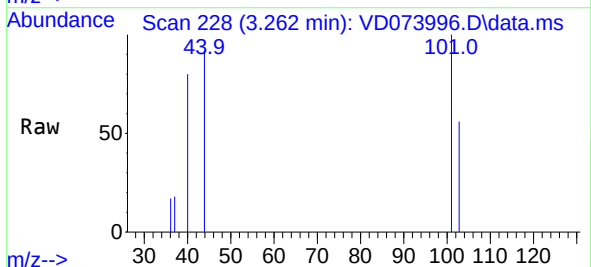
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

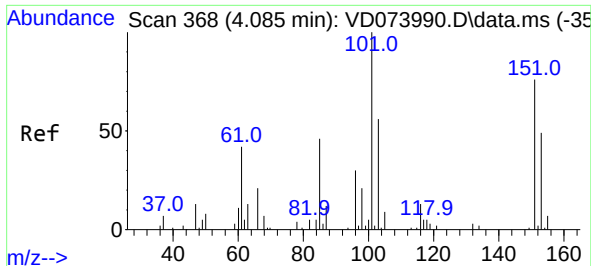
Tgt Ion: 94 Resp: 2526
Ion Ratio Lower Upper
94 100
96 101.4 72.0 108.0



#7
Trichlorofluoromethane
Concen: 1.211 ug/l
RT: 3.262 min Scan# 228
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 101 Resp: 2518
Ion Ratio Lower Upper
101 100
103 55.7 48.2 72.2

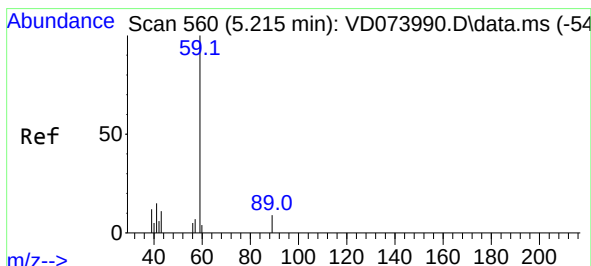
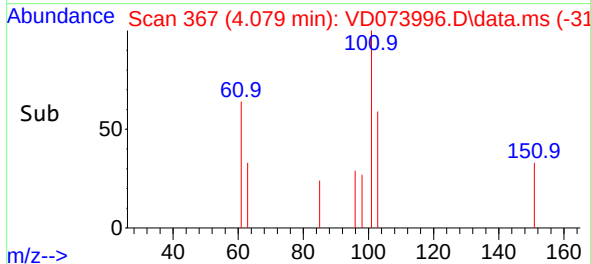
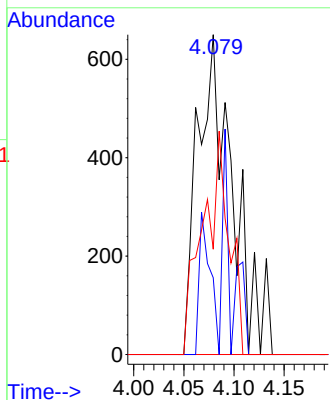
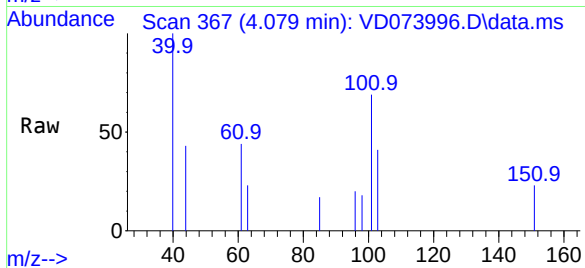




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.419 ug/l
RT: 4.079 min Scan# 30
Delta R.T. -0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

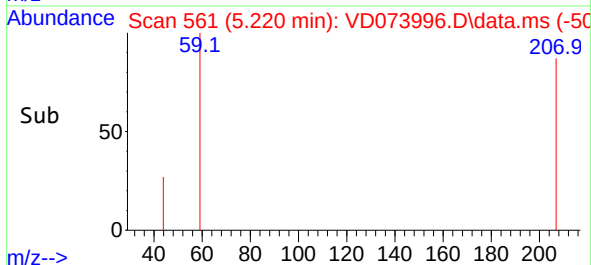
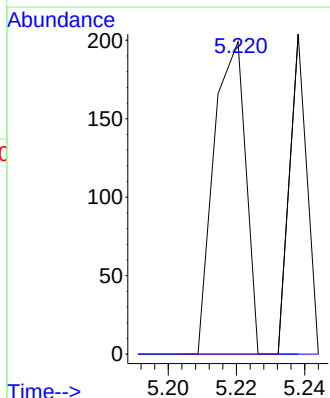
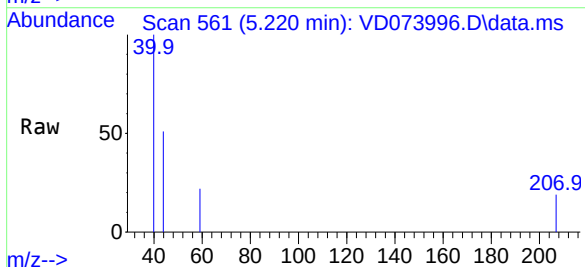
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

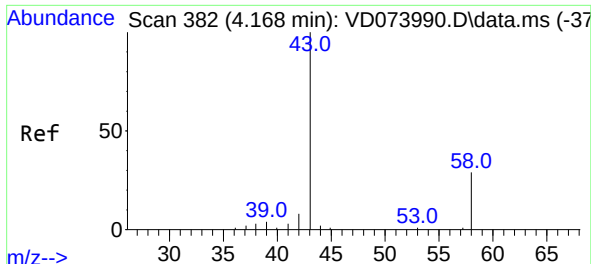
Tgt Ion:101 Resp: 1575
Ion Ratio Lower Upper
101 100
85 18.5 37.1 55.7#
151 52.1 60.7 91.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

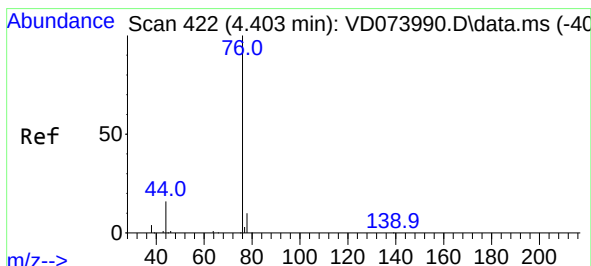
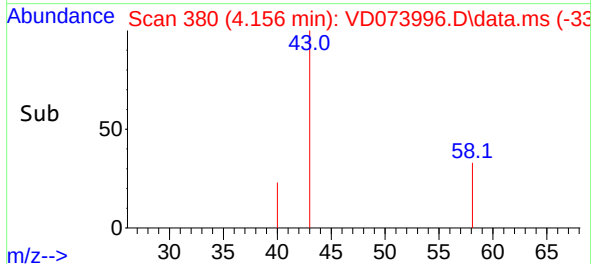
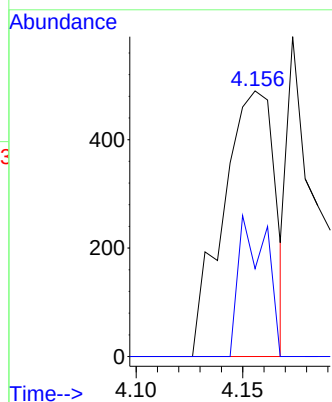
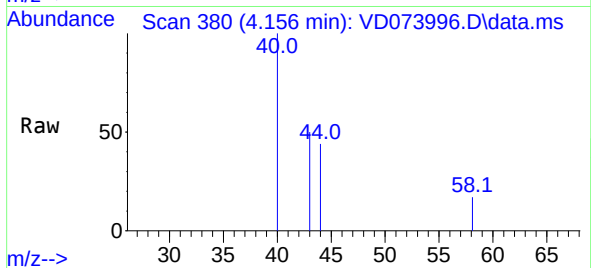




#16
Acetone
Concen: 4.155 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.012 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

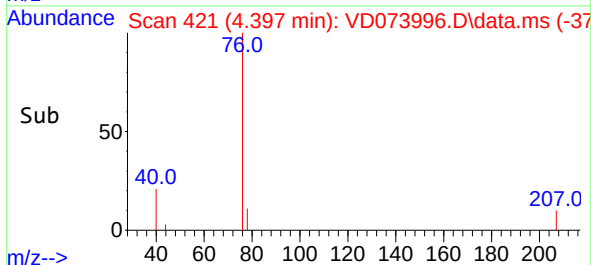
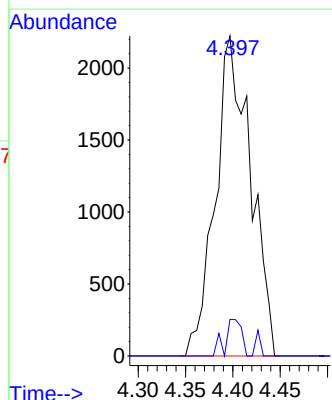
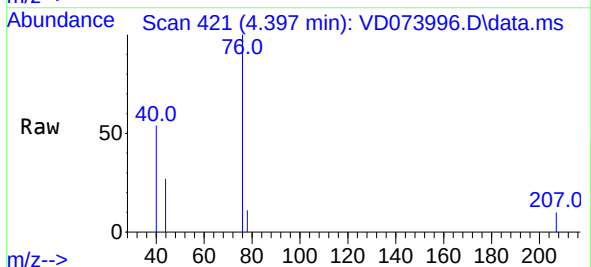
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

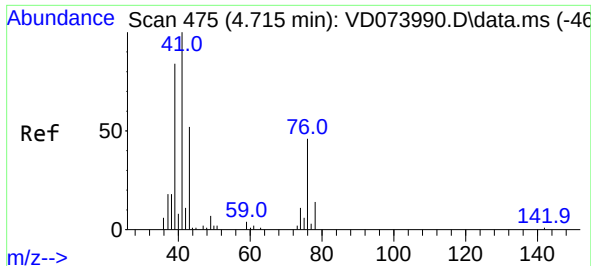
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
58 33.1 22.8 34.2



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 76 Resp: 5758
Ion Ratio Lower Upper
76 100
78 11.4 7.9 11.9

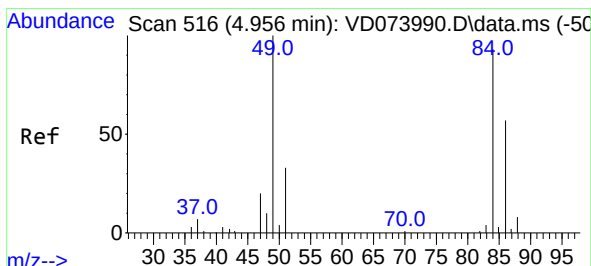
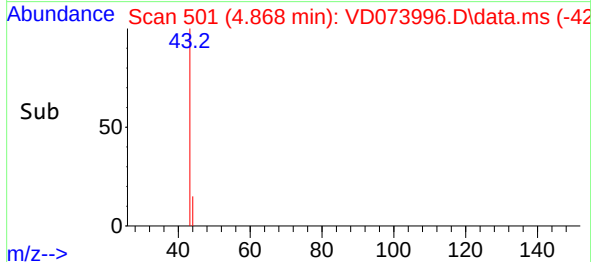
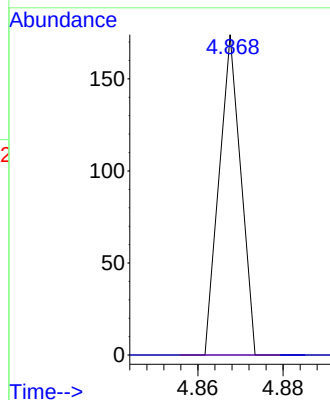
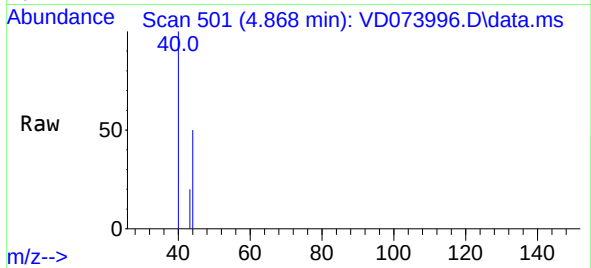




#18
Methyl Acetate
Concen: Below Cal
RT: 4.868 min Scan# 501
Delta R.T. 0.153 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

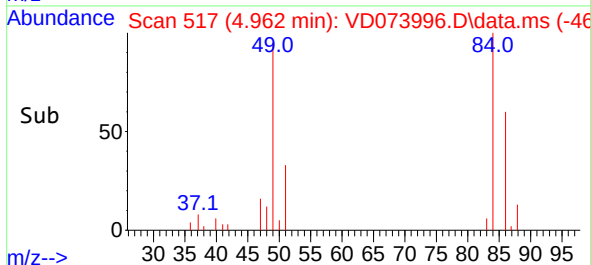
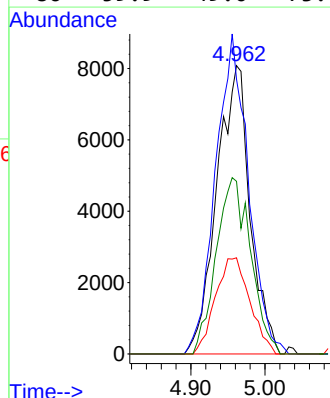
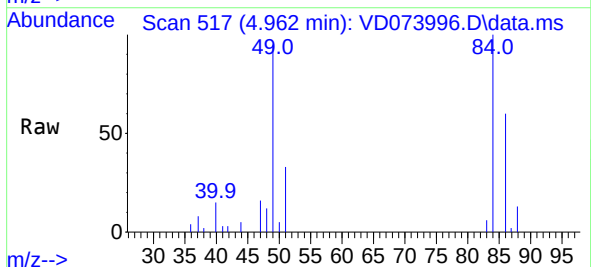
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ClientSampleId :
VIBLK

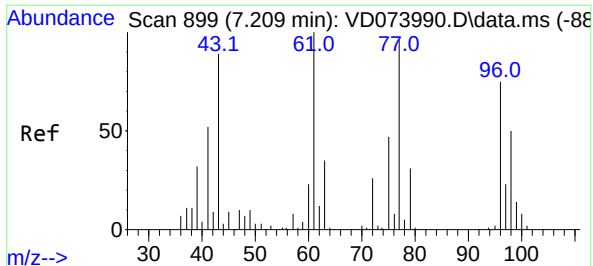
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 14.552 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 84 Resp: 25156
Ion Ratio Lower Upper
84 100
49 95.3 85.8 128.6
51 33.4 28.0 42.0
86 59.9 49.0 73.4

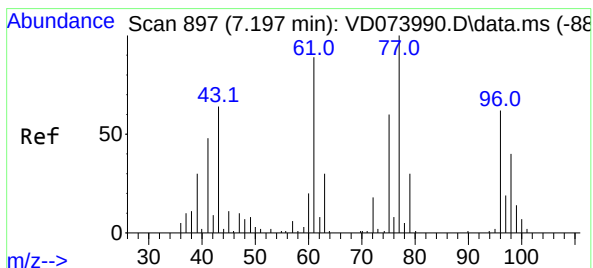
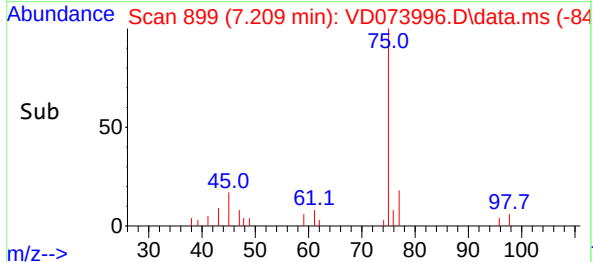
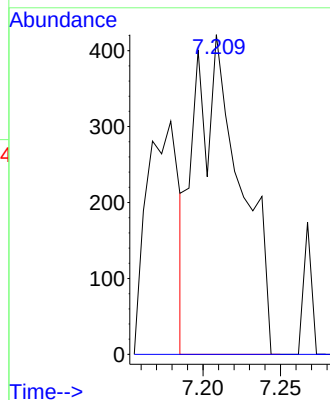
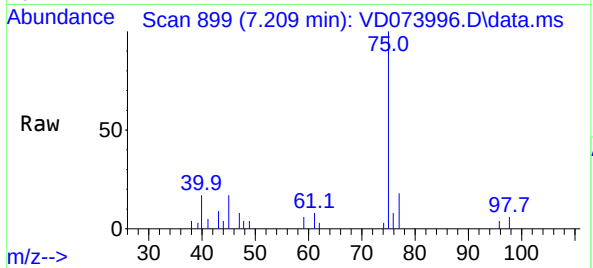




#25
2-Butanone
Concen: 2.829 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

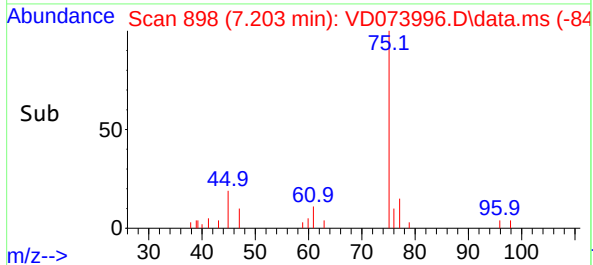
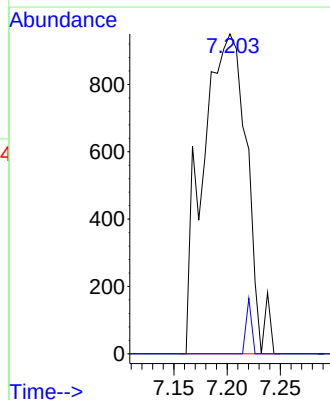
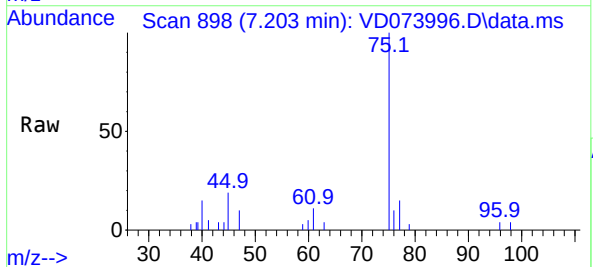
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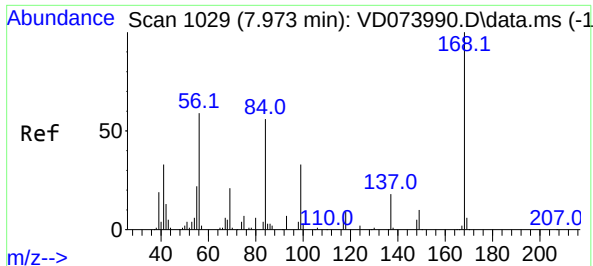
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 1.372 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 77 Resp: 2722
Ion Ratio Lower Upper
77 100
97 2.1 11.2 33.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

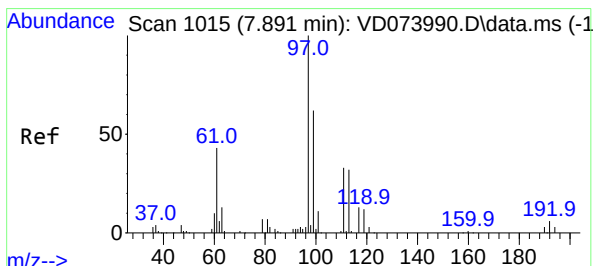
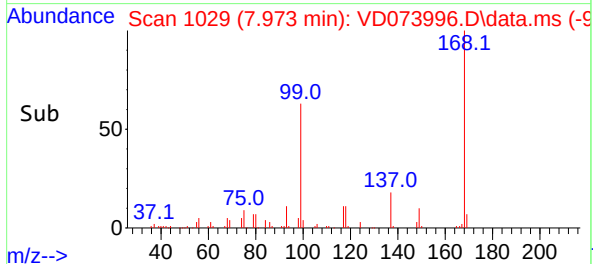
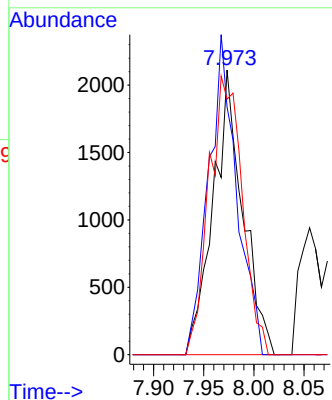
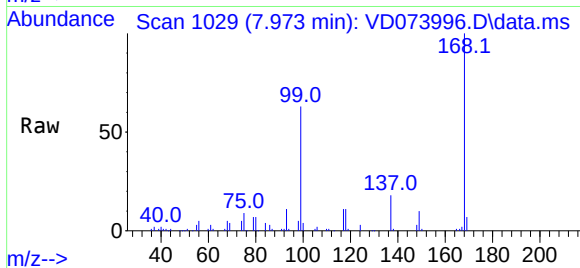
Tgt Ion: 56 Resp: 4353

Ion Ratio Lower Upper

56 100

69 87.0 27.9 41.9#

84 89.8 75.8 113.6



#32

1,1,1-Trichloroethane

Concen: 1.062 ug/l

RT: 7.891 min Scan# 1015

Delta R.T. 0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

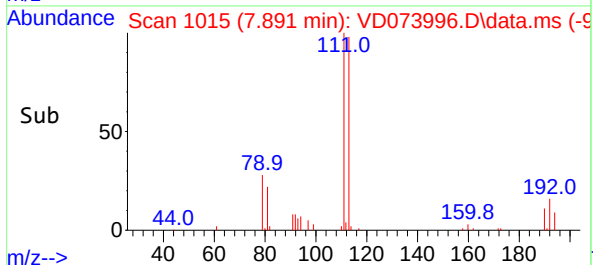
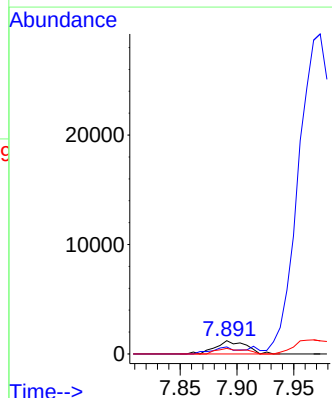
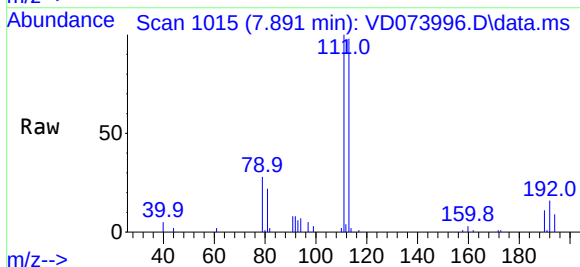
Tgt Ion: 97 Resp: 2250

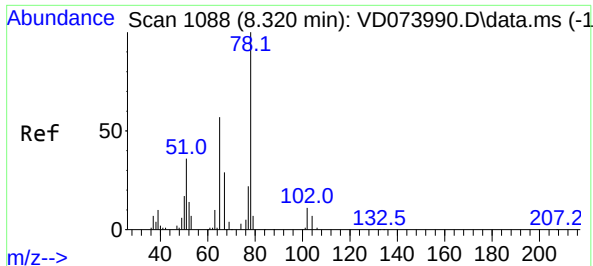
Ion Ratio Lower Upper

97 100

99 0.0 49.8 74.6#

61 38.5 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 77.097 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

Instrument :

MSVOA_D

ClientSampleId :

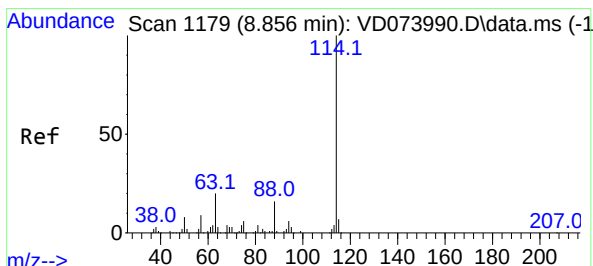
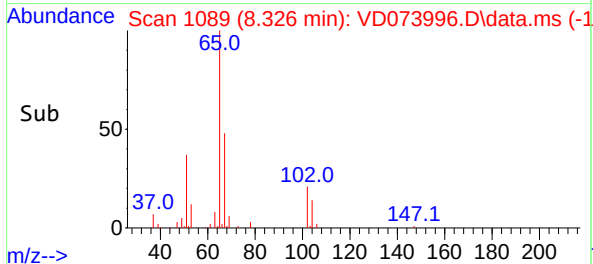
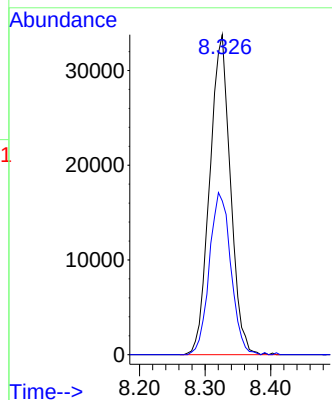
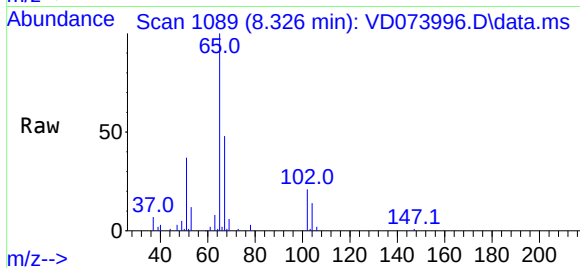
VIBLK

Tgt Ion: 65 Resp: 74122

Ion Ratio Lower Upper

65 100

67 52.5 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073996.D

Acq: 09 Aug 2022 14:46

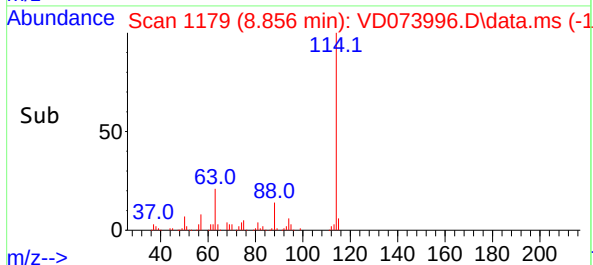
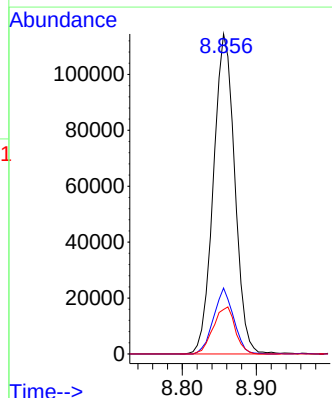
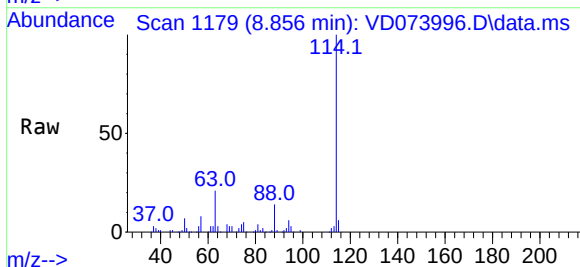
Tgt Ion: 114 Resp: 228851

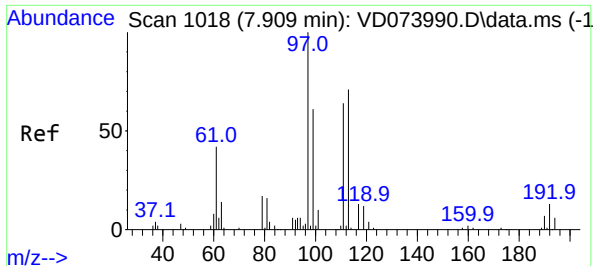
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 13.9 0.0 31.6

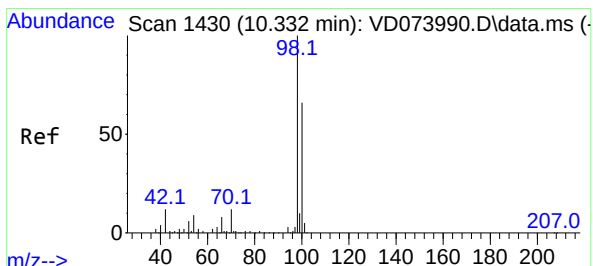
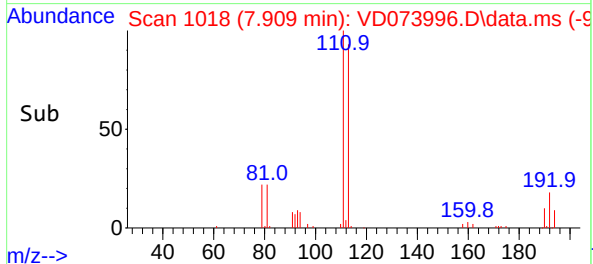
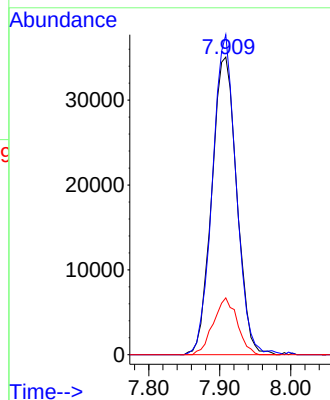
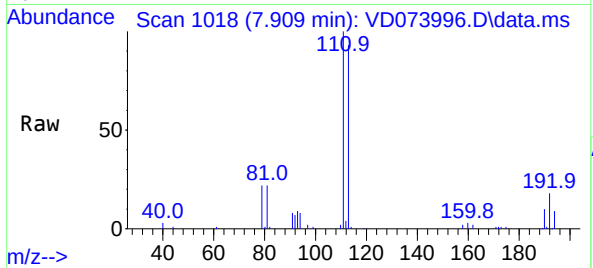




#35
Dibromofluoromethane
Concen: 61.237 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

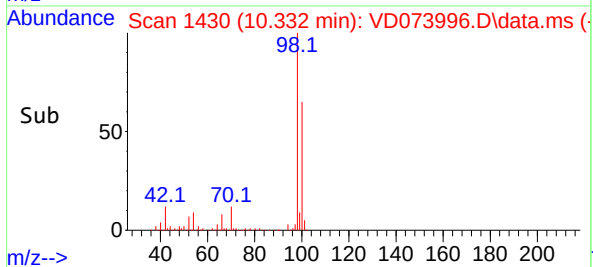
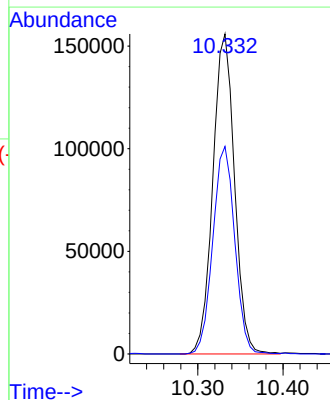
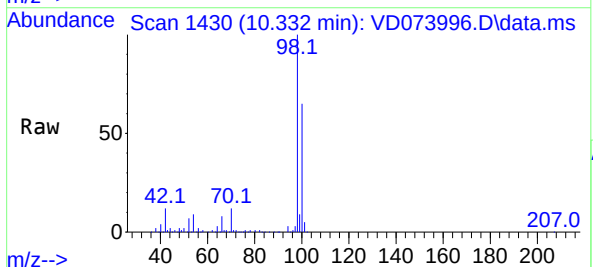
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

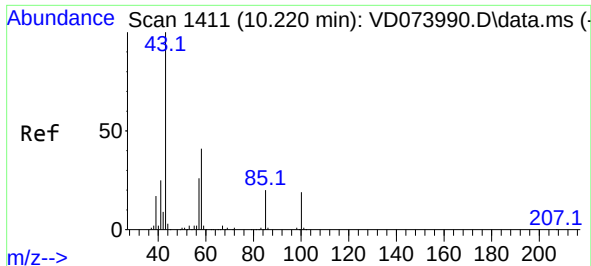
Tgt Ion:113 Resp: 85609
Ion Ratio Lower Upper
113 100
111 102.1 80.0 120.0
192 18.3 14.2 21.4



#50
Toluene-d8
Concen: 66.754 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 98 Resp: 275672
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9

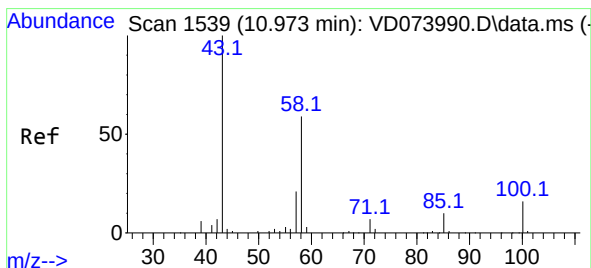
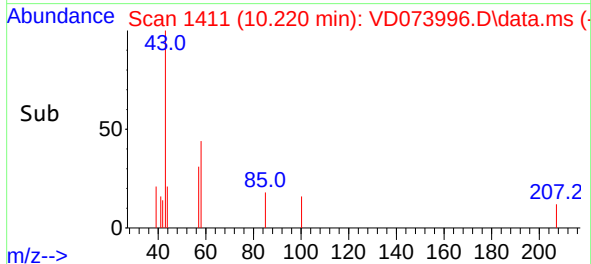
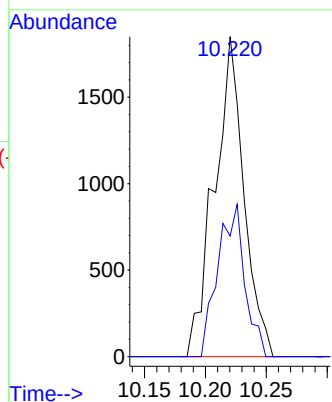
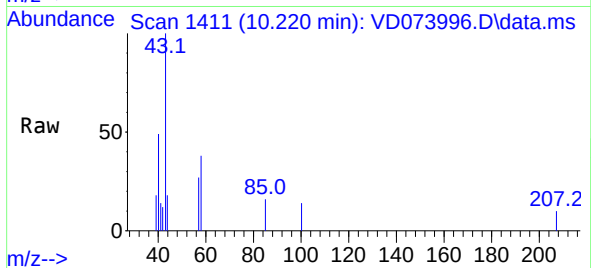




#51
4-Methyl-2-Pentanone
Concen: 3.745 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

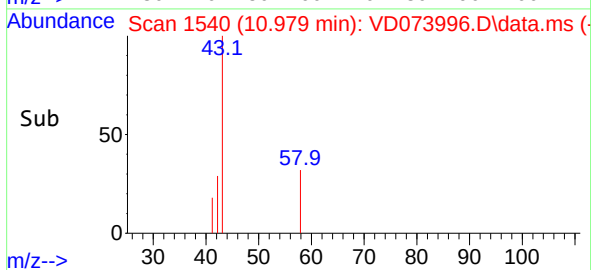
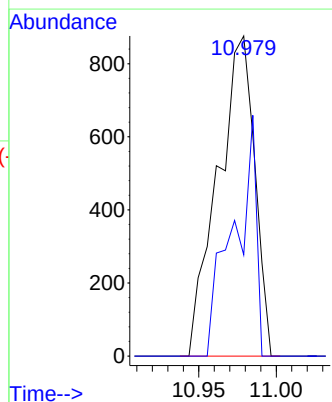
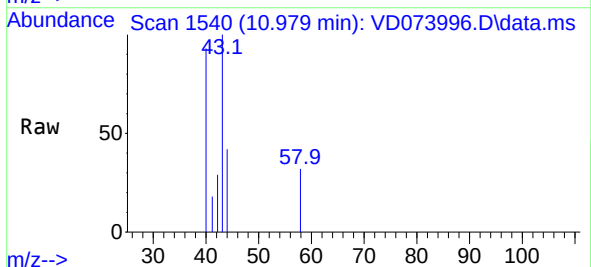
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

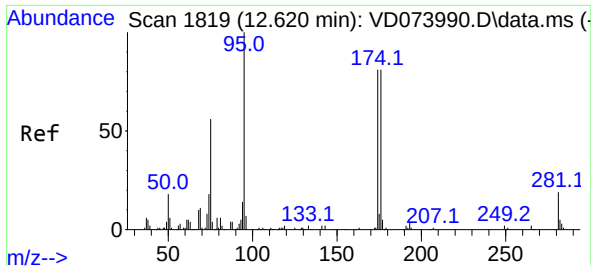
Tgt Ion: 43 Resp: 3127
Ion Ratio Lower Upper
43 100
58 43.3 31.7 47.5



#59
2-Hexanone
Concen: 2.560 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
58 45.8 28.2 84.6

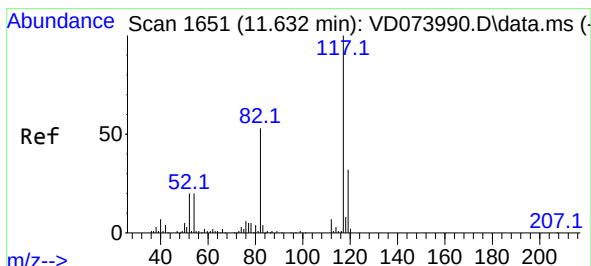
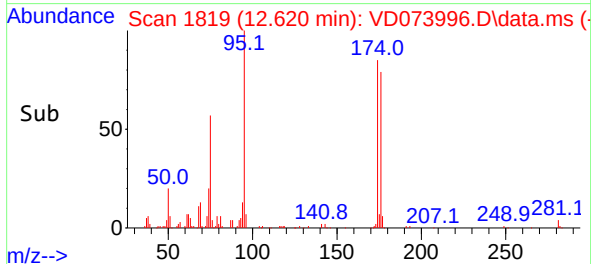
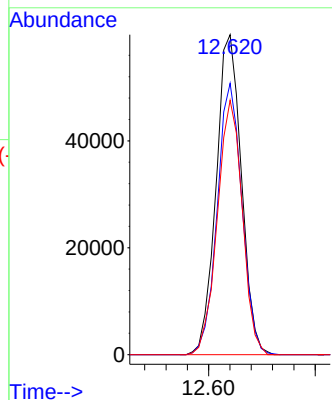
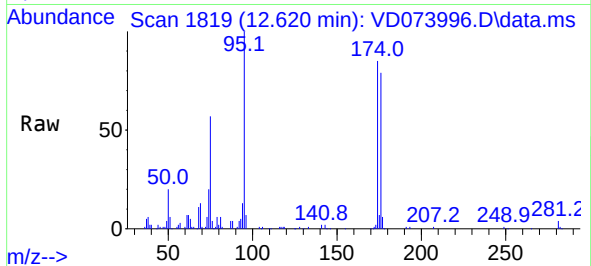




#62
4-Bromofluorobenzene
Concen: 55.388 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

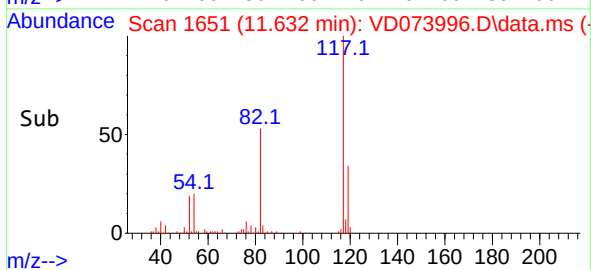
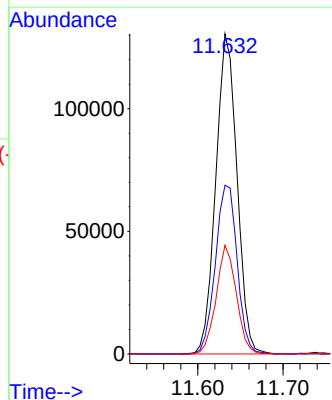
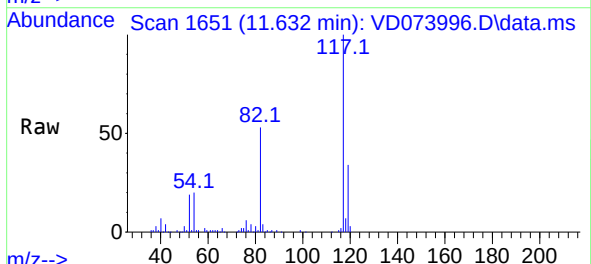
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

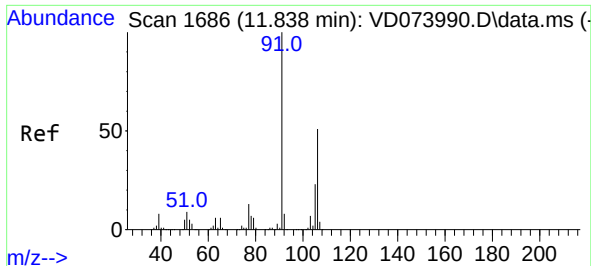
Tgt Ion: 95 Resp: 98305
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.6
176 78.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 117 Resp: 225729
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 34.0 25.8 38.8

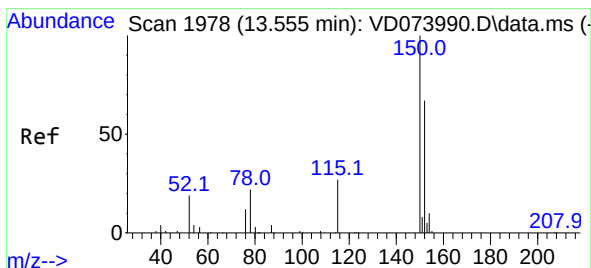
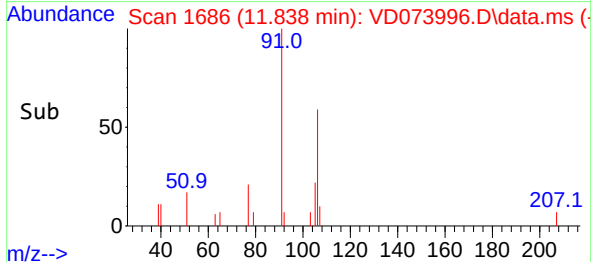
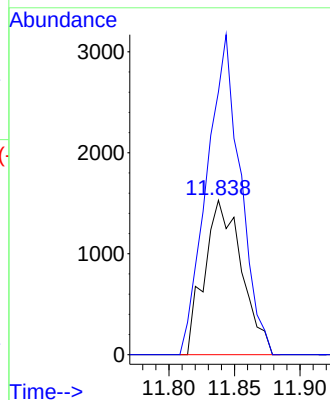
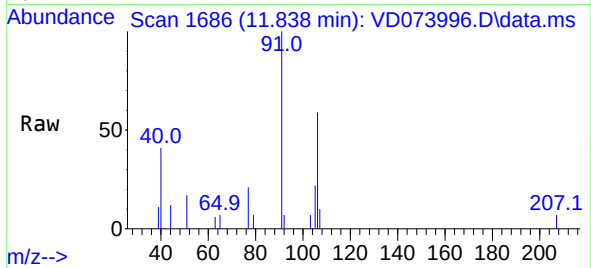




#68
m/p-Xylenes
Concen: 1.008 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

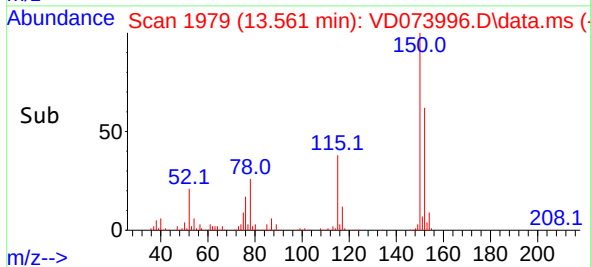
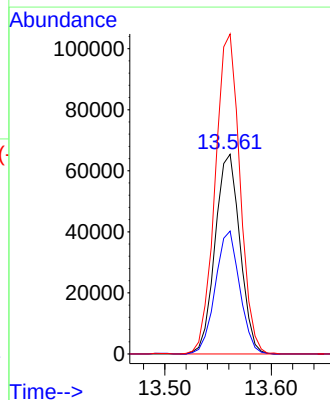
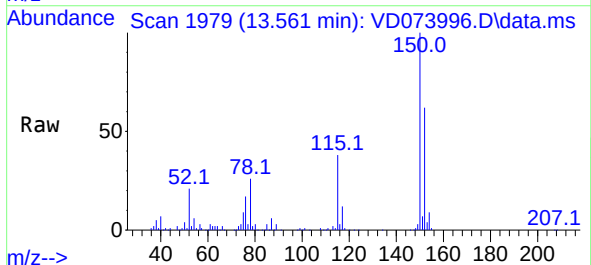
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

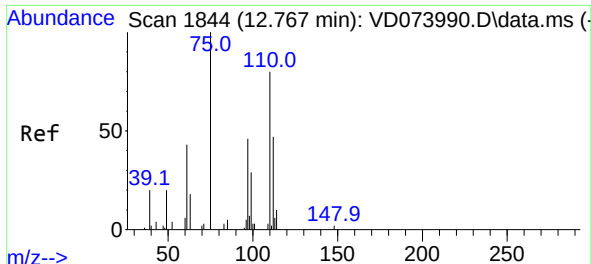
Tgt Ion:106 Resp: 3022
Ion Ratio Lower Upper
106 100
91 187.3 159.2 238.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion:152 Resp: 105995
Ion Ratio Lower Upper
152 100
115 60.5 29.9 89.8
150 159.4 0.0 342.8

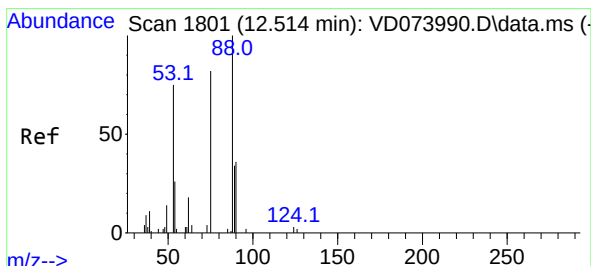
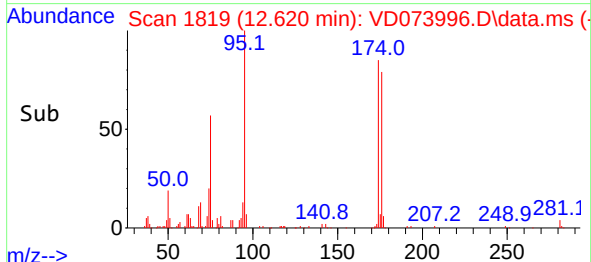
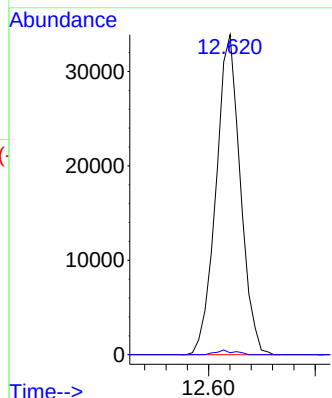
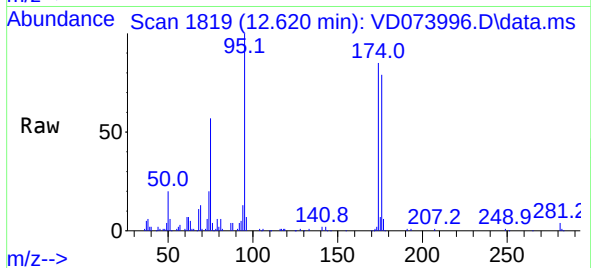




#76
1,2,3-Trichloropropane
Concen: 66.623 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 53524
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.190 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073996.D
Acq: 09 Aug 2022 14:46

Tgt Ion: 75 Resp: 53524
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 38.3 57.5#

