

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073993.D
 Acq On : 09 Aug 2022 13:17
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 01:06:42 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)

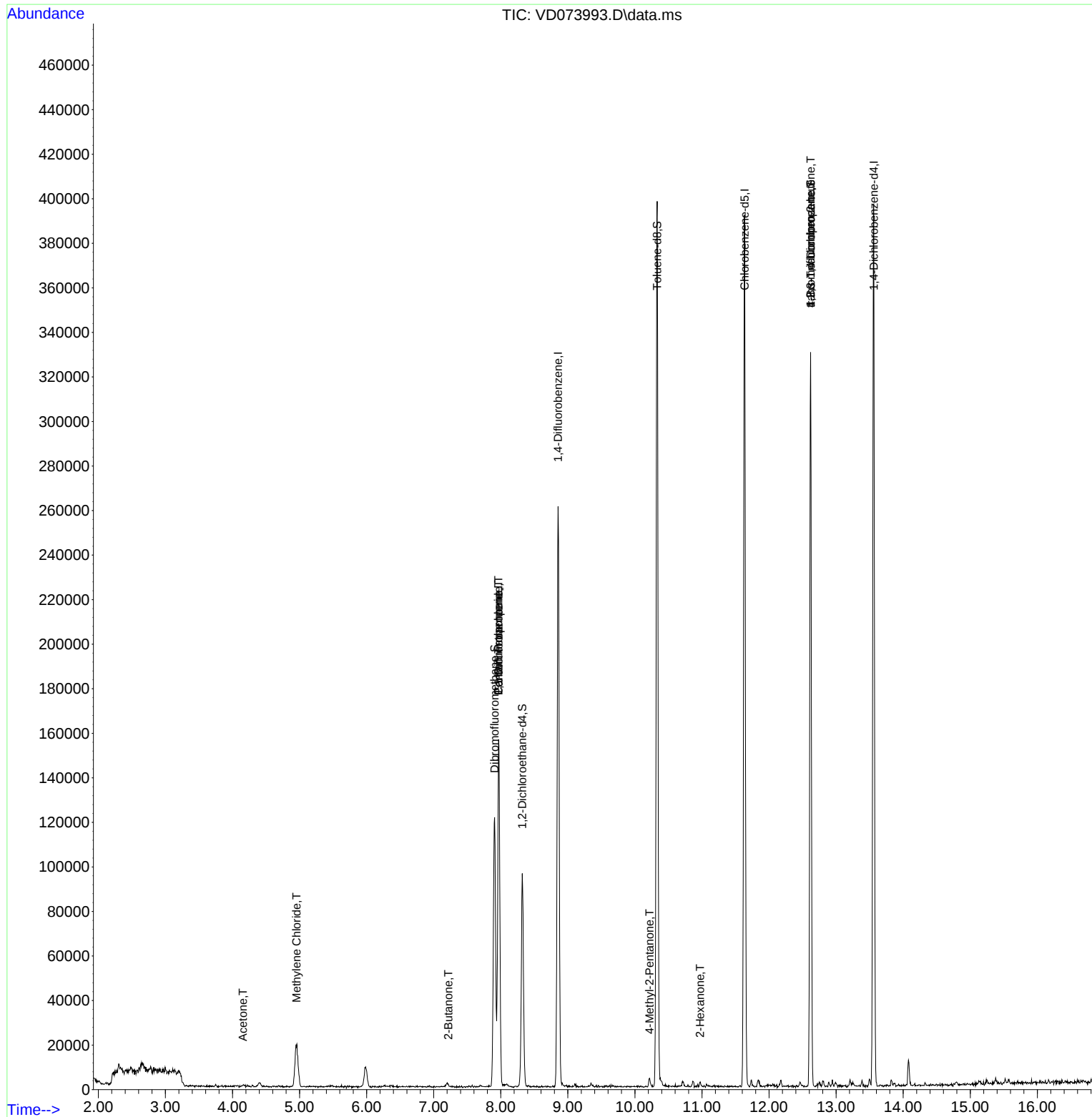
Internal Standards						
1) Pentafluorobenzene	7.967	168	110522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	230153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	104951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74589	76.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.240%			
35) Dibromofluoromethane	7.908	113	85198	61.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.320%			
50) Toluene-d8	10.332	98	277450	67.424	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 134.840%			
62) 4-Bromofluorobenzene	12.620	95	99718	56.384	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	431	Below Cal		97
3) Chloromethane	2.203	50	1134	Below Cal	#	77
5) Bromomethane	2.773	94	1226	Below Cal	#	27
16) Acetone	4.156	43	635	3.108 ug/l	#	62
17) Carbon Disulfide	4.391	76	4002	Below Cal	#	73
18) Methyl Acetate	4.550	43	53	Below Cal	#	49
20) Methylene Chloride	4.956	84	15562	6.549 ug/l		96
25) 2-Butanone	7.220	43	588	1.898 ug/l	#	46
31) Cyclohexane	7.973	56	3096	Below Cal	#	63
36) 1,1-Dichloropropene	7.967	75	9152	4.668 ug/l	#	48
38) Carbon Tetrachloride	7.967	117	11557	5.007 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.220	43	2278	2.738 ug/l		91
59) 2-Hexanone	10.973	43	1327	2.353 ug/l		95
76) 1,2,3-Trichloropropane	12.620	75	54798	68.887 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	54798	148.057 ug/l	#	13

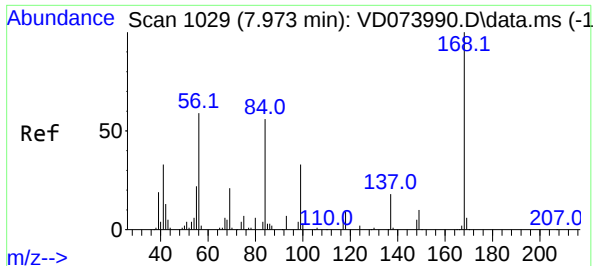
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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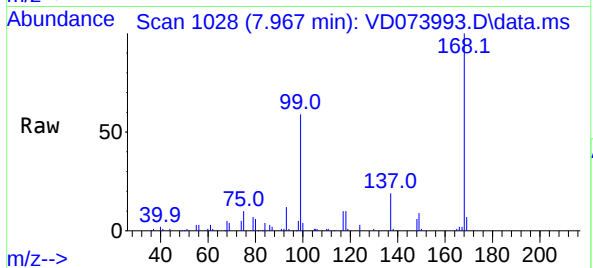
Quant Time: Aug 10 01:06:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
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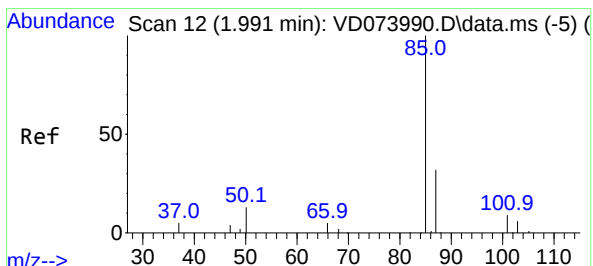
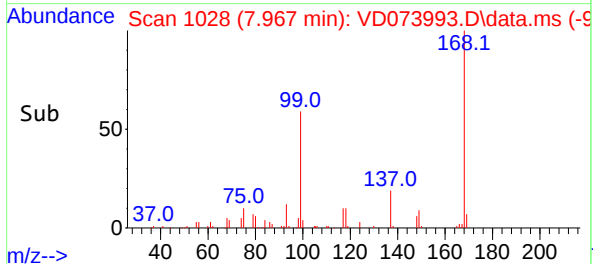
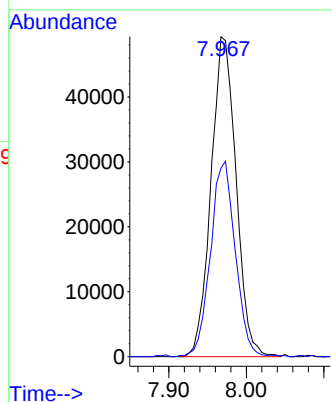


Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.967 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

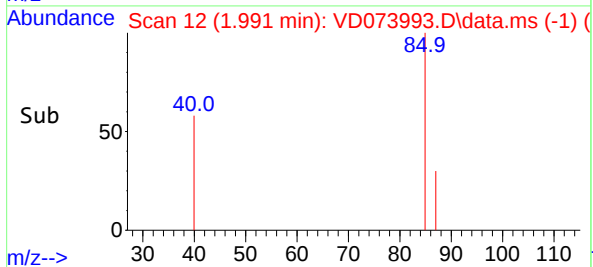
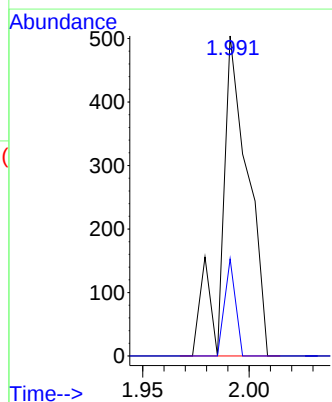
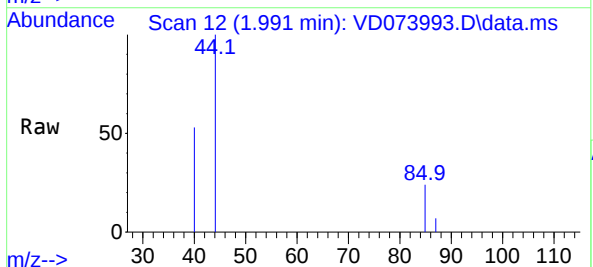


Tgt Ion:168 Resp: 110522
 Ion Ratio Lower Upper
 168 100
 99 58.6 48.3 72.5

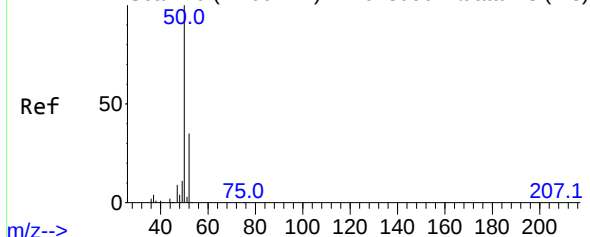


Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.991 min Scan# 12
 Delta R.T. 0.000 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

Tgt Ion: 85 Resp: 431
 Ion Ratio Lower Upper
 85 100
 87 30.4 16.0 47.9



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



#3

Chloromethane

Concen: Below Cal

RT: 2.203 min Scan# 44

Delta R.T. -0.006 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

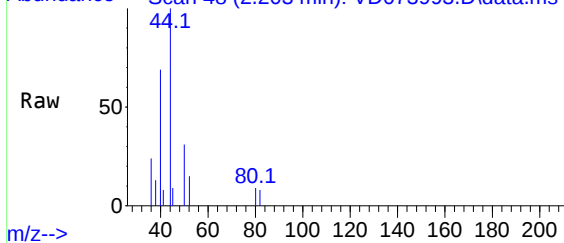
Tgt Ion: 50 Resp: 1134

Ion Ratio Lower Upper

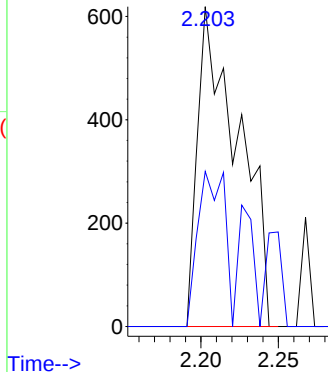
50 100

52 48.5 28.1 42.1#

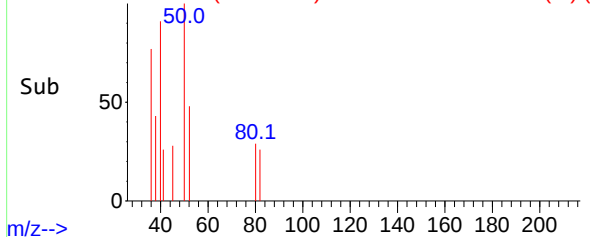
Abundance Scan 48 (2.203 min): VD073993.D\data.ms



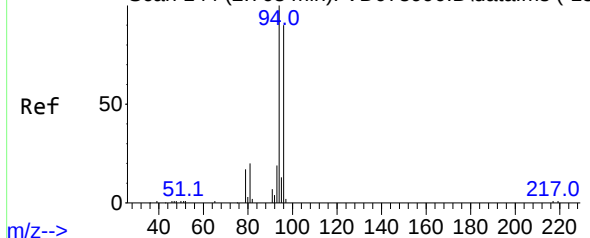
Abundance



Abundance Scan 48 (2.203 min): VD073993.D\data.ms (-1)



Abundance Scan 144 (2.768 min): VD073990.D\data.ms (-13)



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.005 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

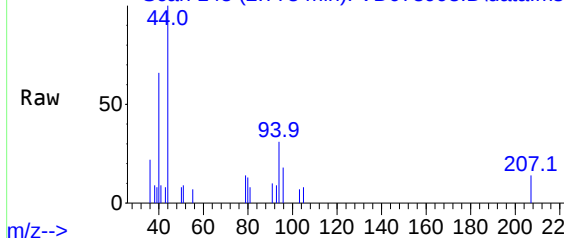
Tgt Ion: 94 Resp: 1226

Ion Ratio Lower Upper

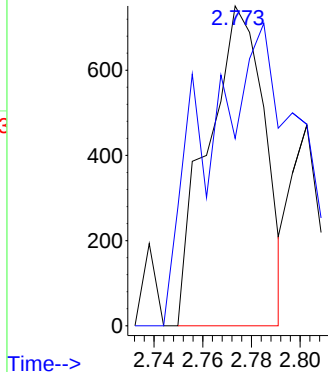
94 100

96 21.6 72.0 108.0#

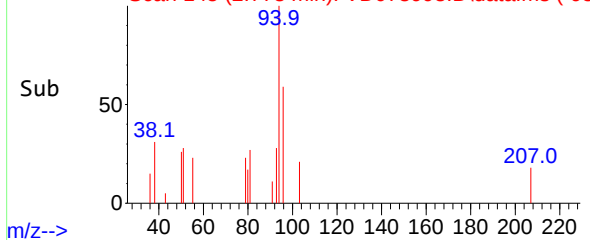
Abundance Scan 145 (2.773 min): VD073993.D\data.ms

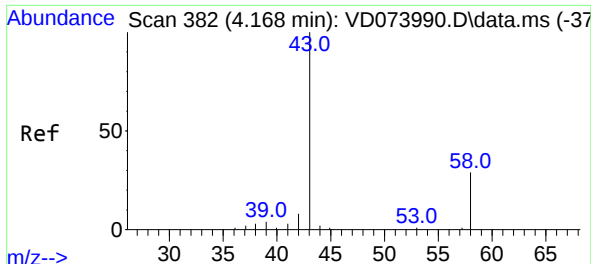


Abundance



Abundance Scan 145 (2.773 min): VD073993.D\data.ms (-93)

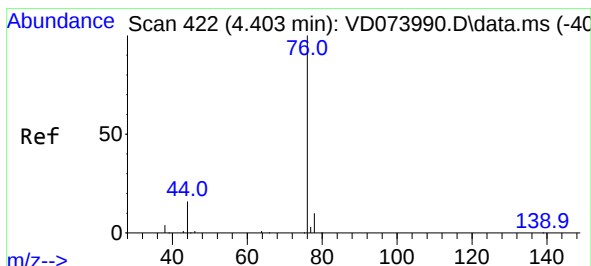
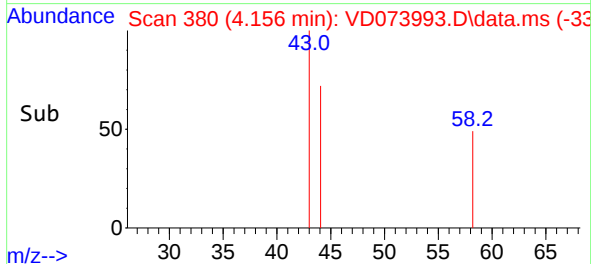
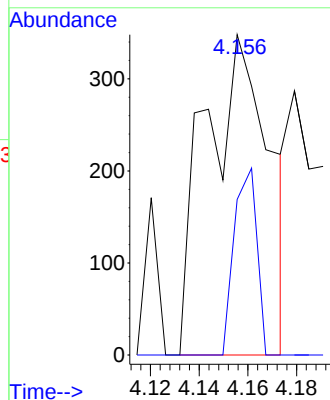
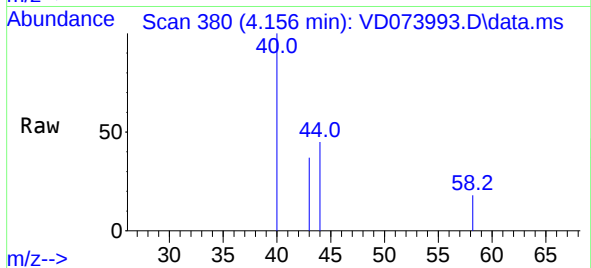




#16
Acetone
Concen: 3.108 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

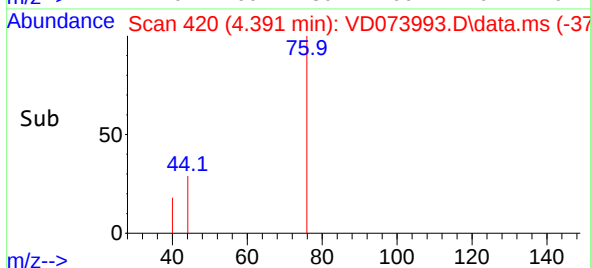
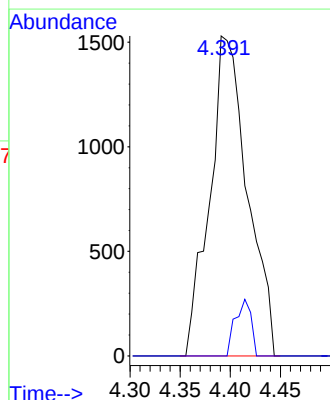
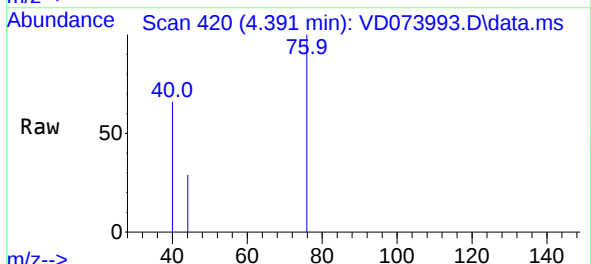
Instrument :
MSVOA_D
ClientSampleId :

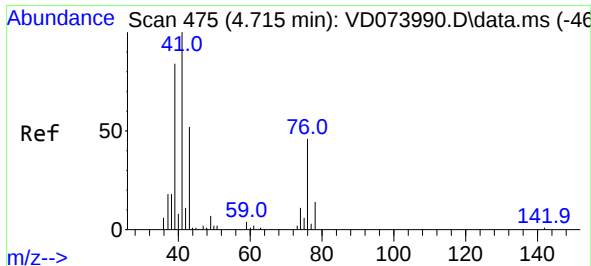
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 48.6 22.8 34.2#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.391 min Scan# 420
Delta R.T. -0.012 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

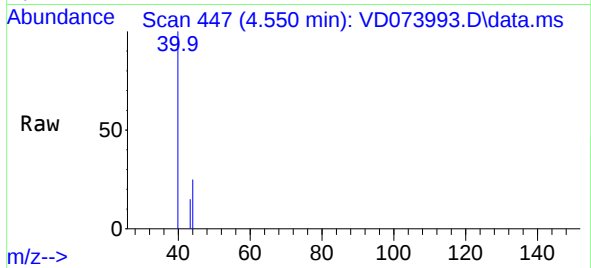
Tgt Ion: 76 Resp: 4002
Ion Ratio Lower Upper
76 100
78 0.0 7.9 11.9#



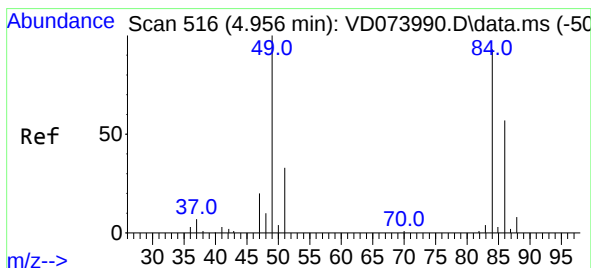
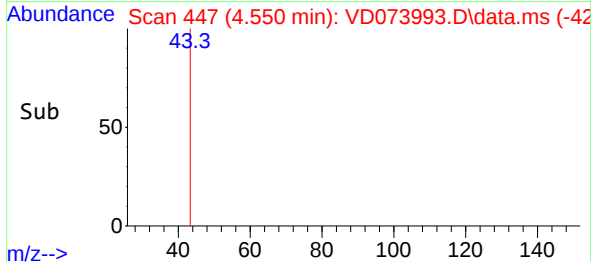
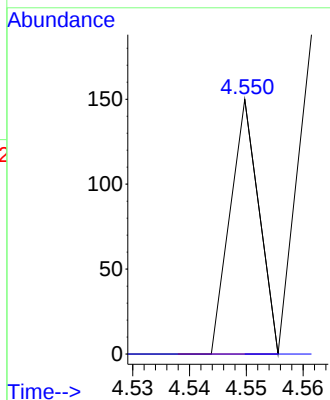


#18
Methyl Acetate
Concen: Below Cal
RT: 4.550 min Scan# 447
Delta R.T. -0.165 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

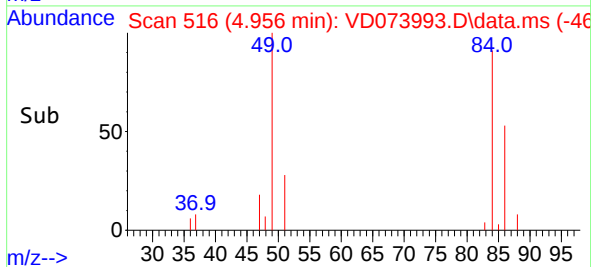
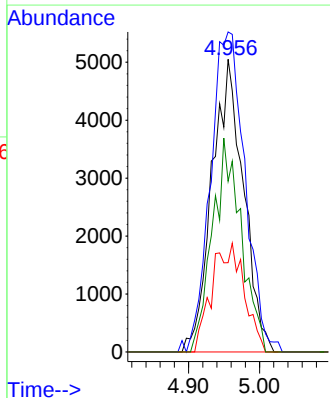
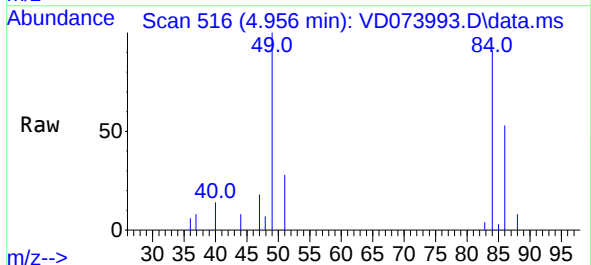


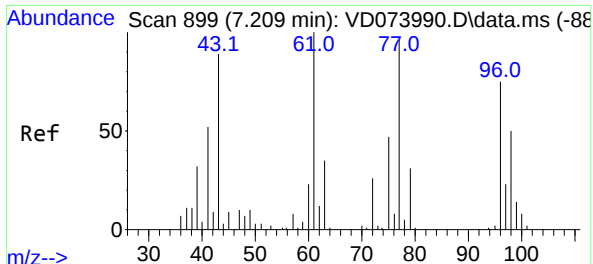
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 6.549 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 84 Resp: 15562
Ion Ratio Lower Upper
84 100
49 109.4 85.8 128.6
51 30.5 28.0 42.0
86 58.4 49.0 73.4





#25

2-Butanone

Concen: 1.898 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.012 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

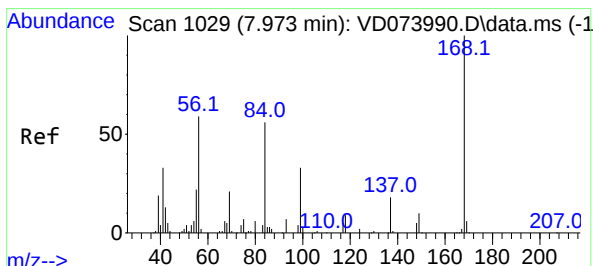
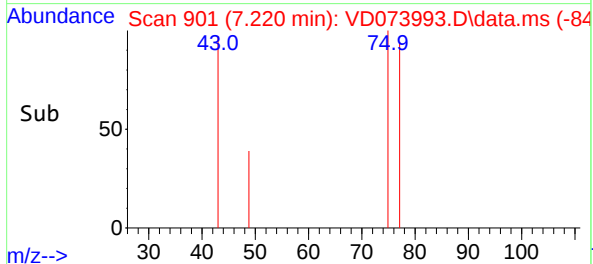
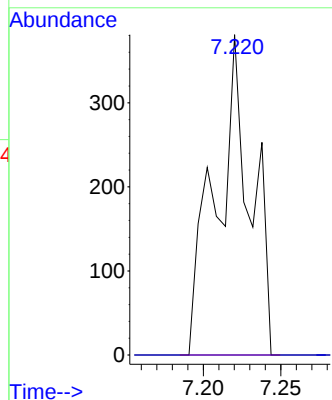
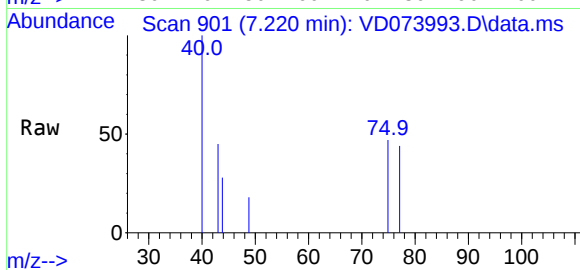
ClientSampleId :

Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

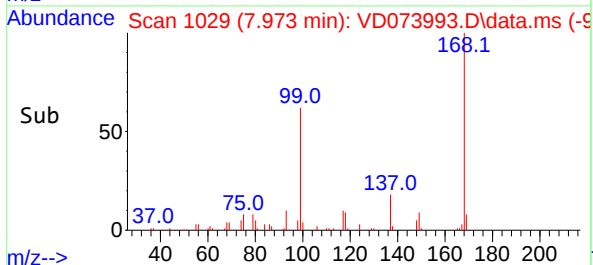
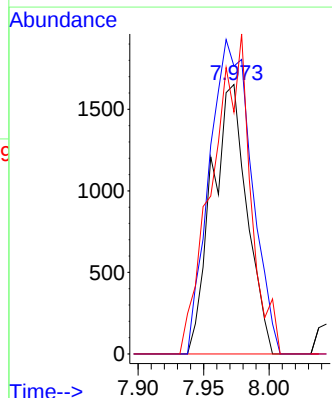
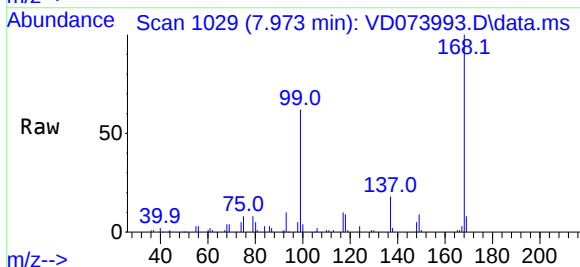
Tgt Ion: 56 Resp: 3096

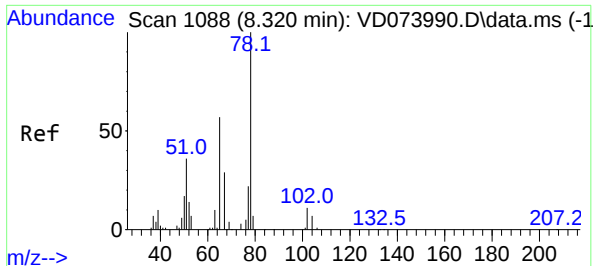
Ion Ratio Lower Upper

56 100

69 106.8 27.9 41.9#

84 89.7 75.8 113.6





#33

1,2-Dichloroethane-d4

Concen: 76.122 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

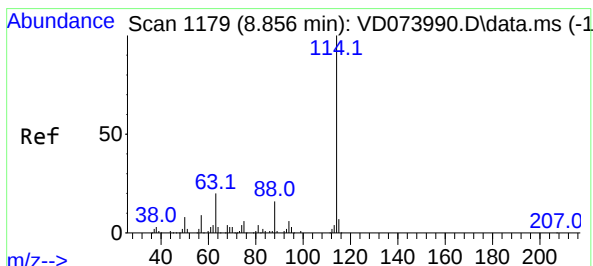
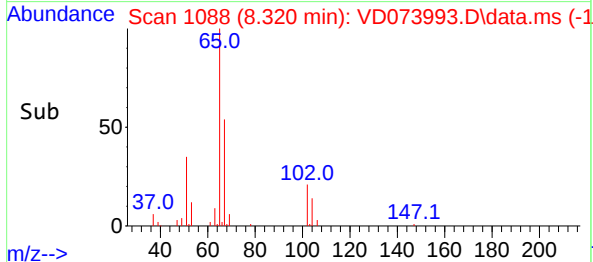
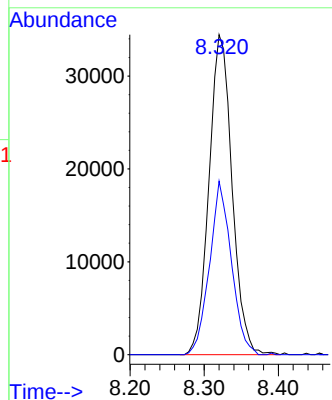
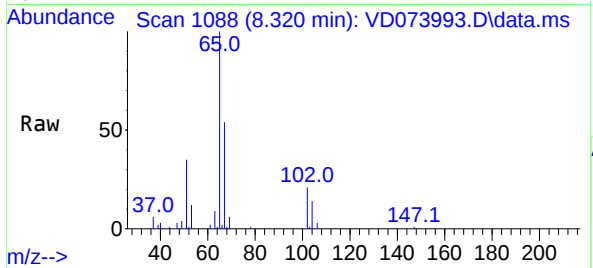
ClientSampleId :

Tgt Ion: 65 Resp: 74589

Ion Ratio Lower Upper

65 100

67 51.3 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.001 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

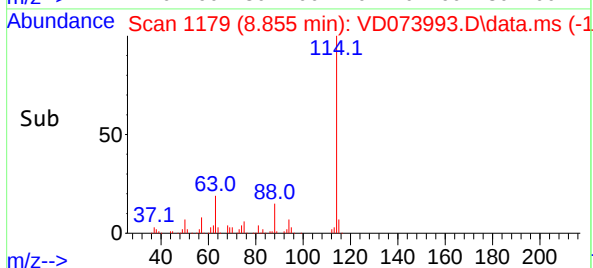
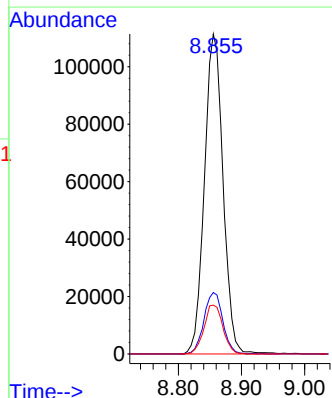
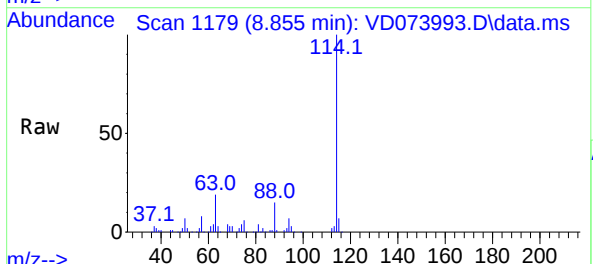
Tgt Ion: 114 Resp: 228039

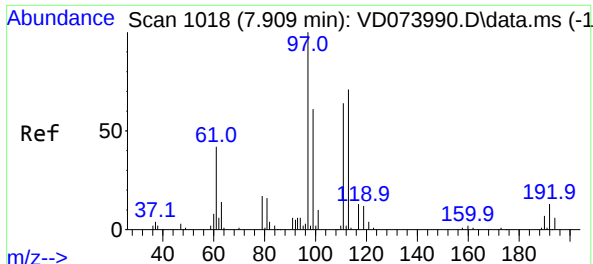
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 15.3 0.0 31.6

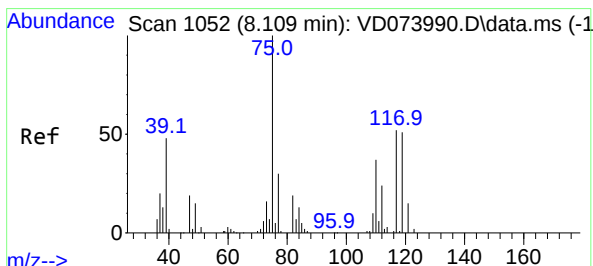
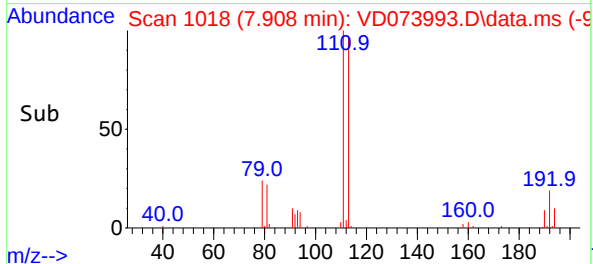
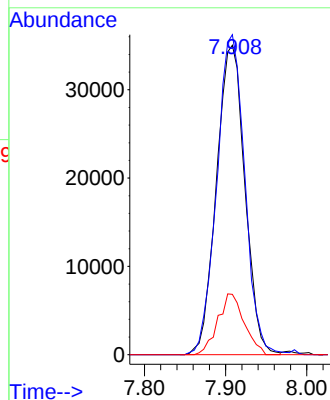
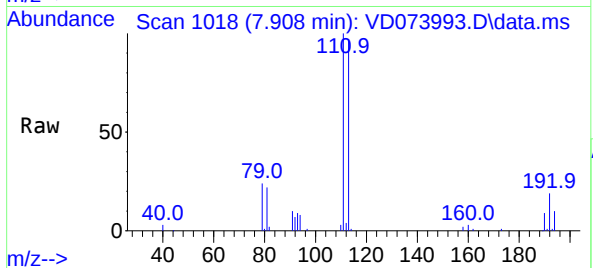




#35
Dibromofluoromethane
Concen: 61.160 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

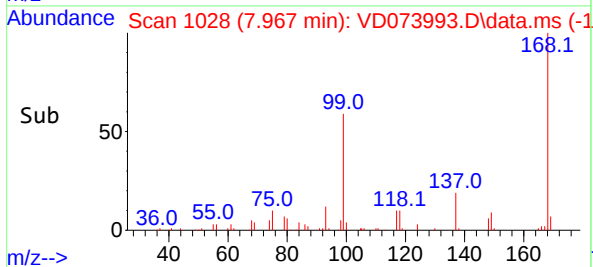
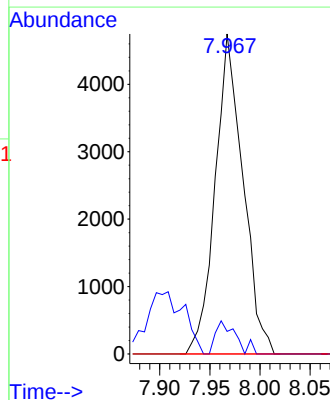
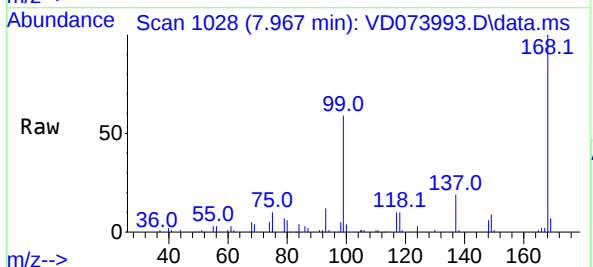
Instrument :
MSVOA_D
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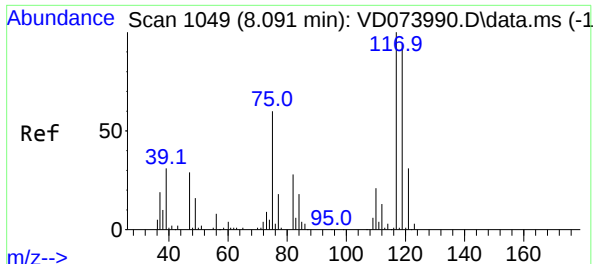
Tgt Ion:113 Resp: 85198
Ion Ratio Lower Upper
113 100
111 102.0 80.0 120.0
192 18.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

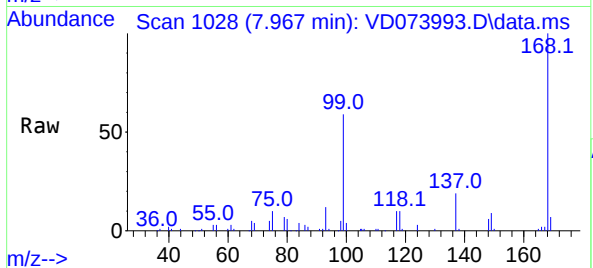
Tgt Ion: 75 Resp: 9152
Ion Ratio Lower Upper
75 100
110 7.5 18.4 55.4#
77 0.0 24.6 36.8#



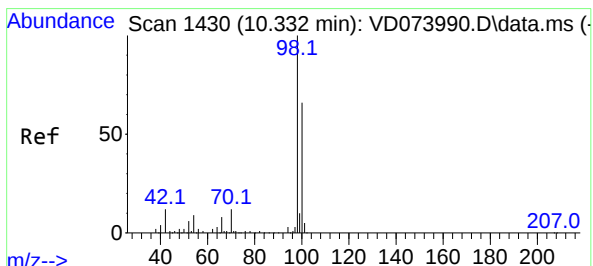
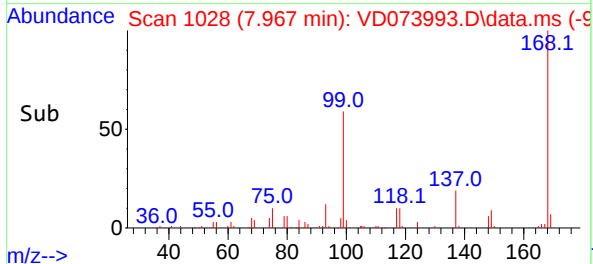
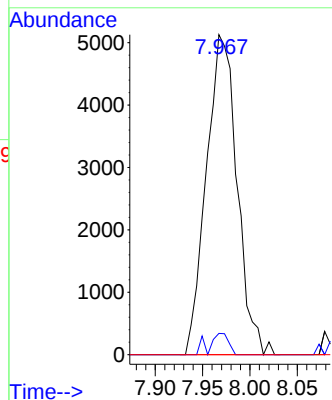


#38
Carbon Tetrachloride
Concen: 5.007 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

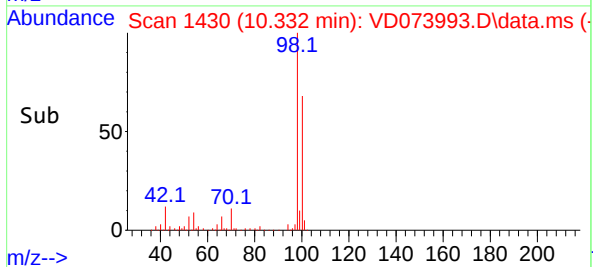
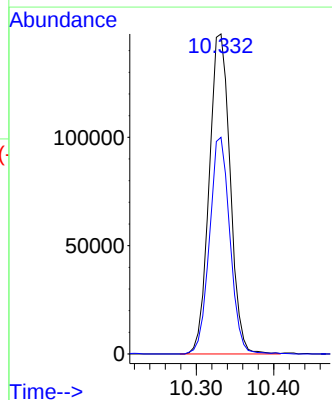
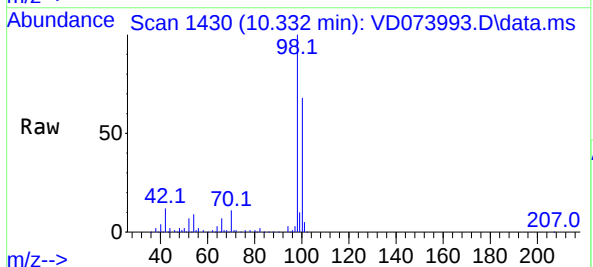


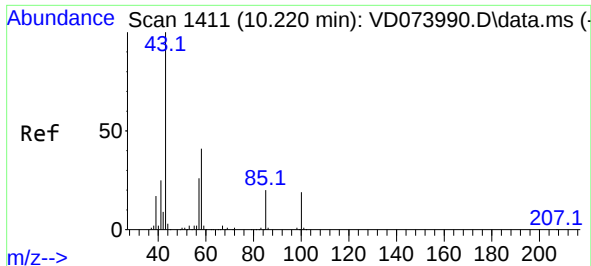
Tgt Ion:117 Resp: 11557
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 67.424 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

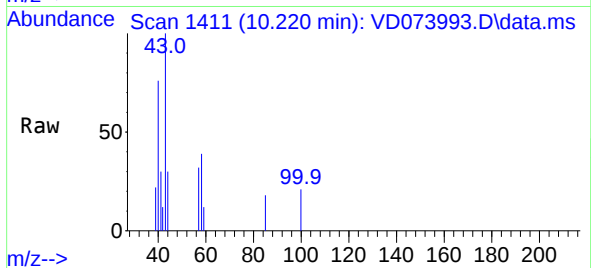
Tgt Ion: 98 Resp: 277450
Ion Ratio Lower Upper
98 100
100 66.0 51.3 76.9



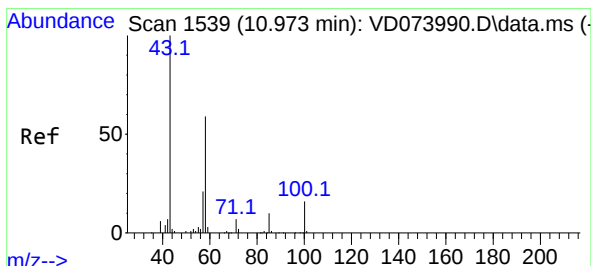
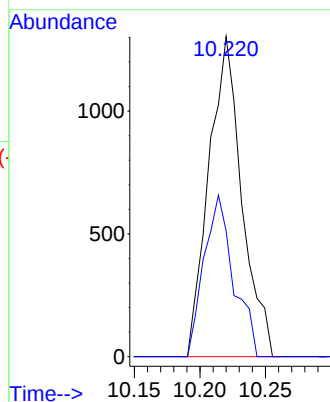
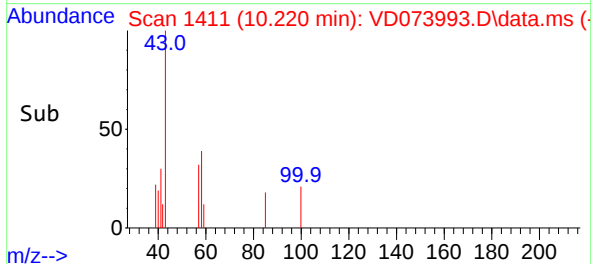


#51
4-Methyl-2-Pentanone
Concen: 2.738 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Instrument :
MSVOA_D
ClientSampleId :

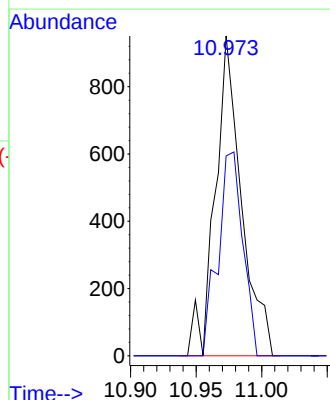
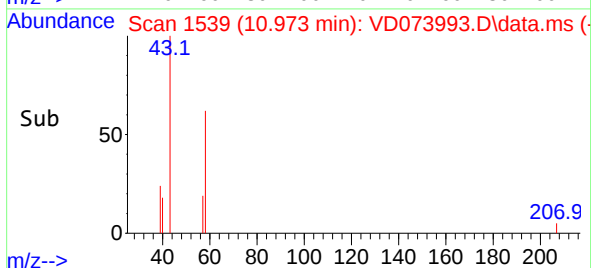
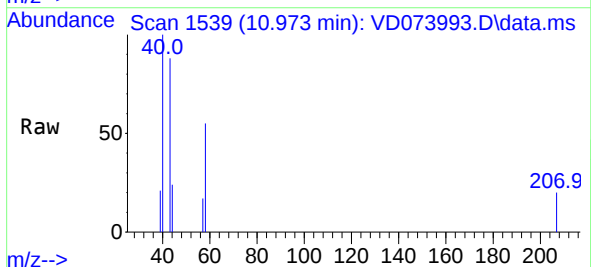


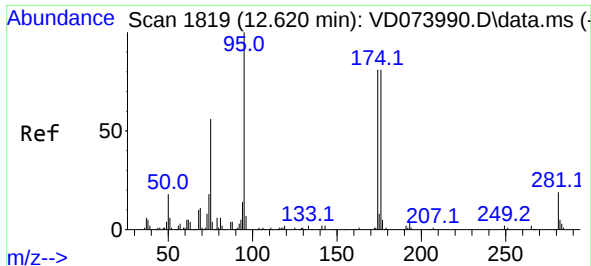
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
58 45.3 31.7 47.5



#59
2-Hexanone
Concen: 2.353 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
58 60.0 28.2 84.6

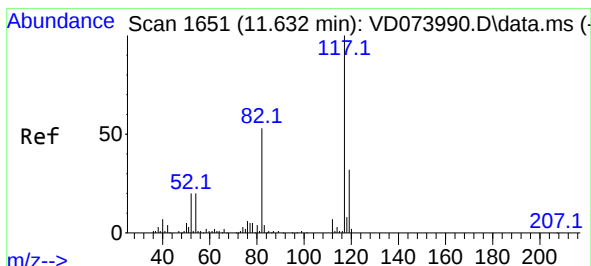
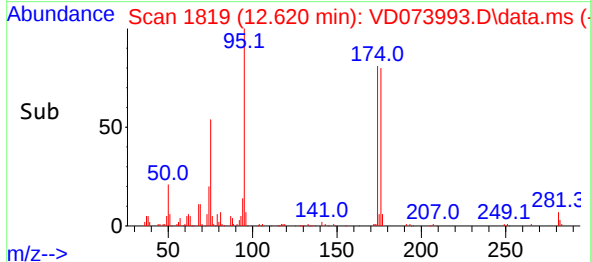
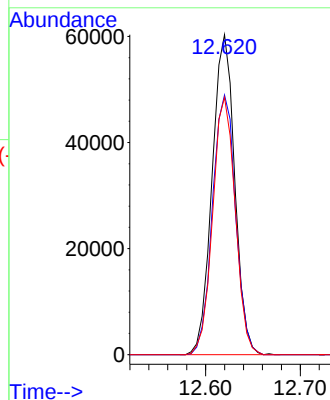
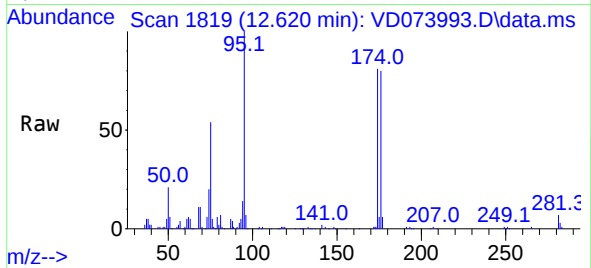




#62
4-Bromofluorobenzene
Concen: 56.384 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

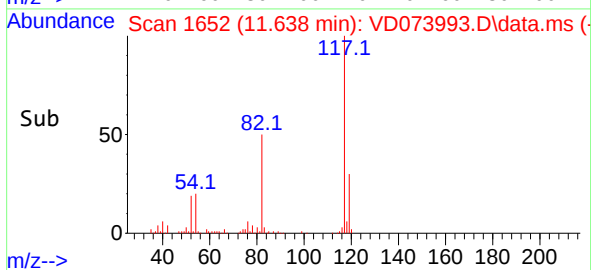
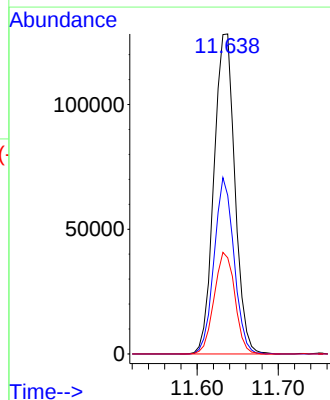
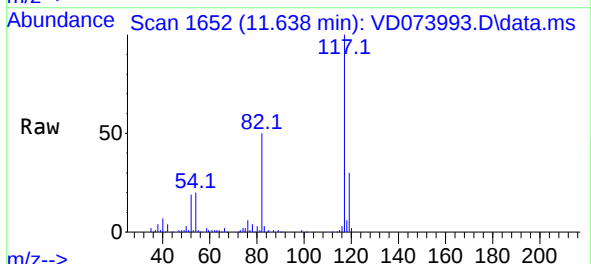
Instrument :
MSVOA_D
ClientSampleId :

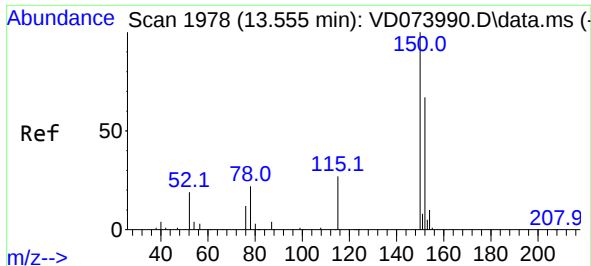
Tgt Ion: 95 Resp: 99718
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.6
176 80.3 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

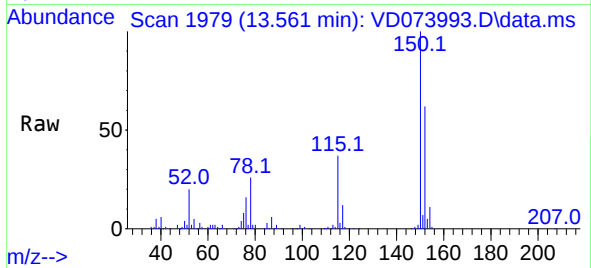
Tgt Ion: 117 Resp: 230153
Ion Ratio Lower Upper
117 100
82 49.5 42.7 64.1
119 30.0 25.8 38.8



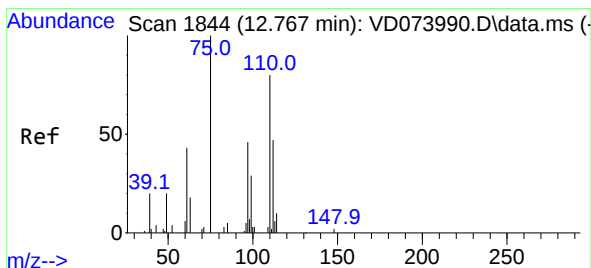
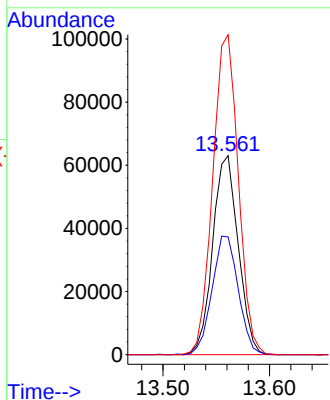
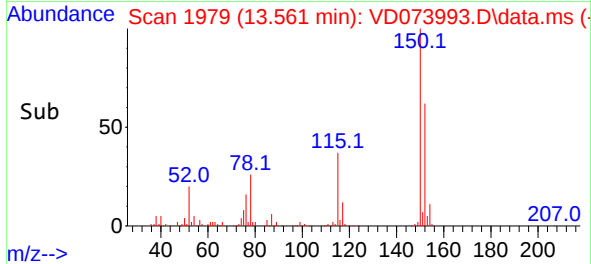


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

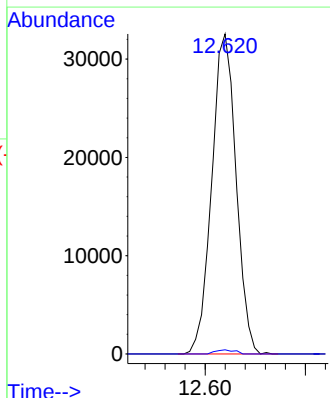
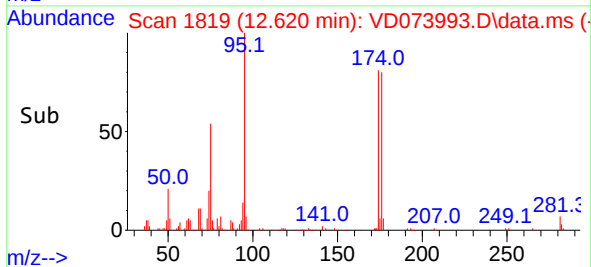
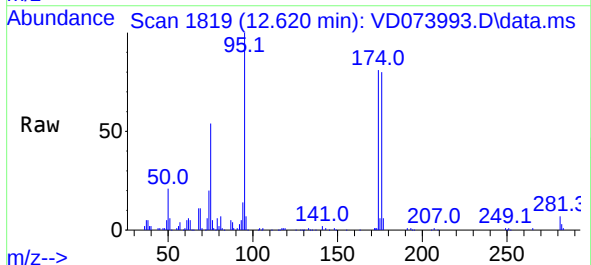


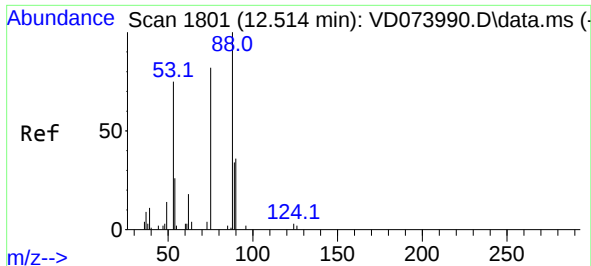
Tgt Ion:152 Resp: 104951
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.9 89.8
 150 160.9 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 68.887 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

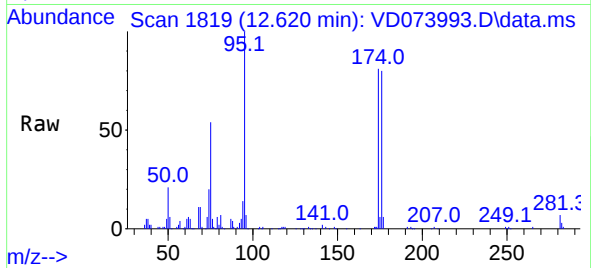
Tgt Ion: 75 Resp: 54798
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.057 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 54798
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.2 38.3 57.5#

