

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031904.D
 Acq On : 05 Oct 2022 18:49
 Operator : JC/MD
 Sample : N4983-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 06 06:48:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 05 12:20:53 2022
 Response via : Initial Calibration

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

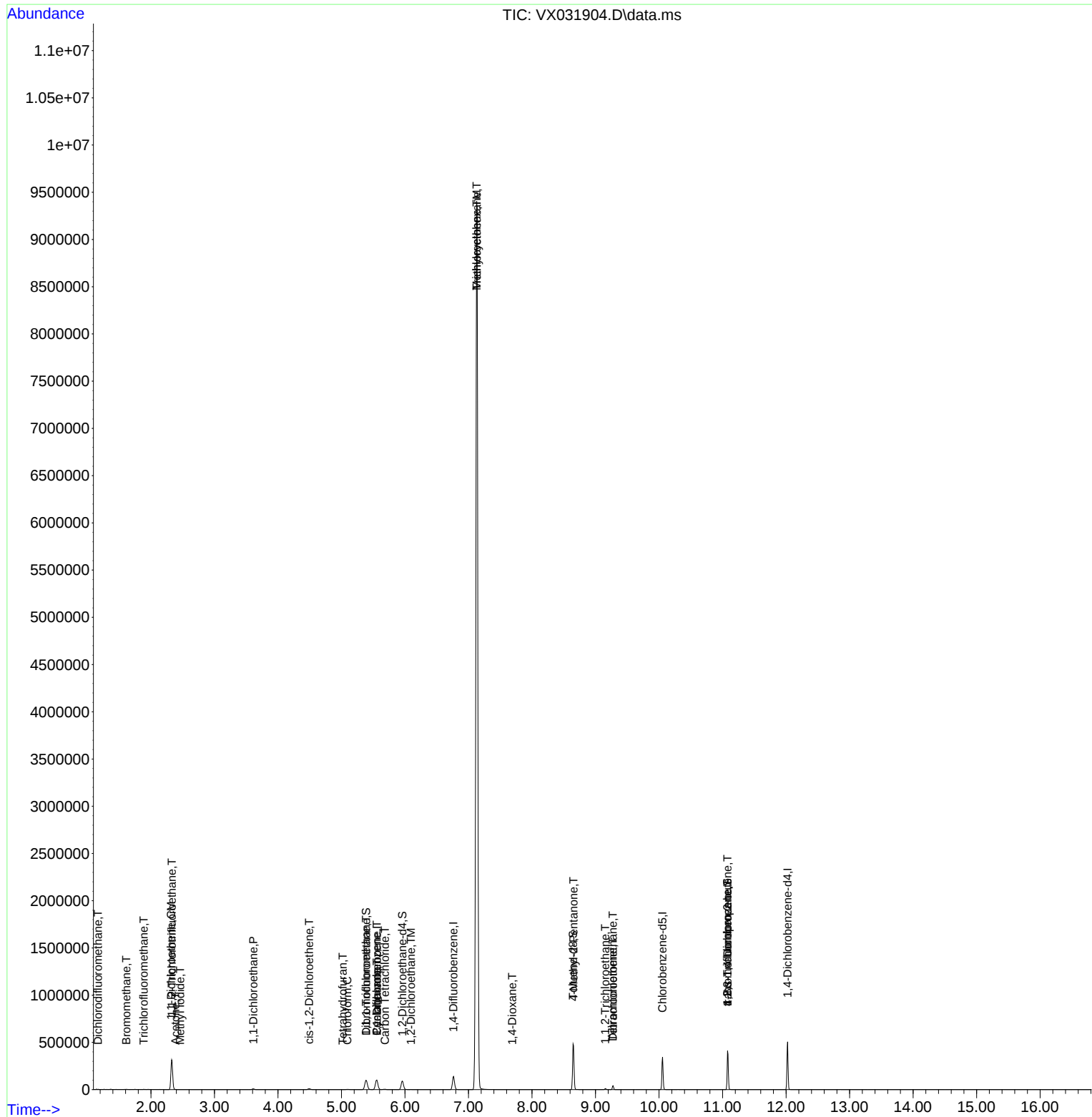
Internal Standards						
1) Pentafluorobenzene	5.556	168	108840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158023	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84786	51.720	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	5.385	113	82501	47.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.440%			
50) Toluene-d8	8.647	98	303956	49.632	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.079	95	104641	47.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	478	0.379	ug/l	94
5) Bromomethane	1.611	94	628	0.468	ug/l #	65
6) Chloroethane	1.648	64	75	Below Cal	#	43
7) Trichlorofluoromethane	1.886	101	1095	0.367	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	94868	65.694	ug/l #	84
10) Methyl Iodide	2.459	142	168	3.191	ug/l #	52
11) Tert butyl alcohol	2.953	59	64	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	36754	26.875	ug/l #	77
16) Acetone	2.386	43	1952	4.111	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	9966	4.377	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	7245	4.039	ug/l	70
29) Tetrahydrofuran	5.019	42	206	0.438	ug/l #	32
30) Chloroform	5.093	83	3563	1.276	ug/l	95
31) Cyclohexane	5.556	56	1721	0.909	ug/l #	14
32) 1,1,1-Trichloroethane	5.385	97	4417	1.797	ug/l	95
36) 1,1-Dichloropropene	5.556	75	6412	3.195	ug/l #	47
38) Carbon Tetrachloride	5.684	117	3948	1.671	ug/l	88
39) Methylcyclohexane	7.129	83	40715	15.834	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1349	0.673	ug/l	86
44) Trichloroethene	7.129	130	3931973	1914.540	ug/l	83
49) 1,4-Dioxane	7.690	88	834	21.935	ug/l #	56
51) 4-Methyl-2-Pentanone	8.653	43	942	0.592	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	3096	1.762	ug/l	98
60) Dibromochloromethane	9.275	129	7603	4.300	ug/l #	11
64) Tetrachloroethene	9.275	164	8206	3.977	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	48906	27.238	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	48906	89.994	ug/l #	11

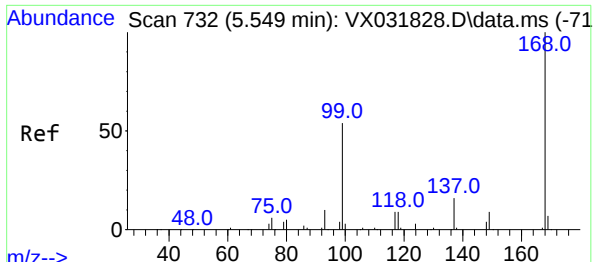
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
Data File : VX031904.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
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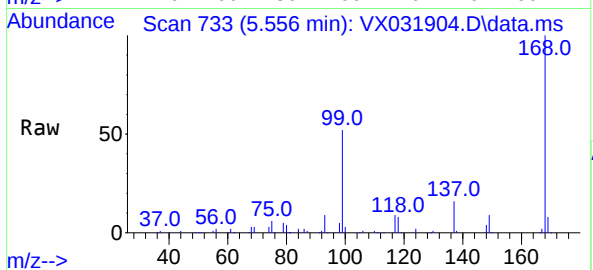
Quant Time: Oct 06 06:48:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 05 12:20:53 2022
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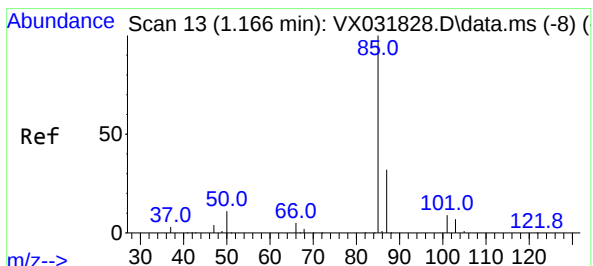
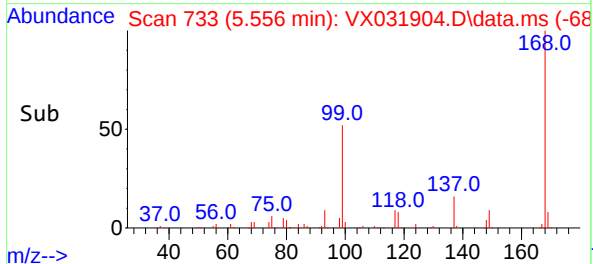
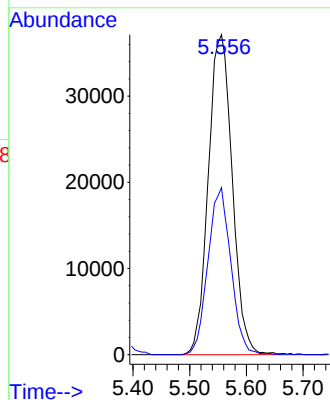


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :

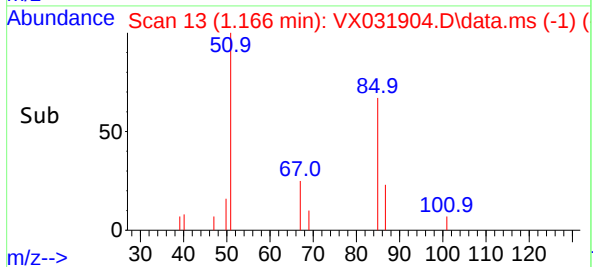
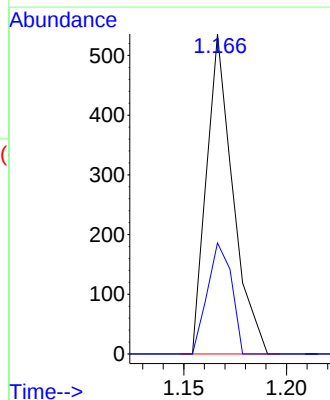
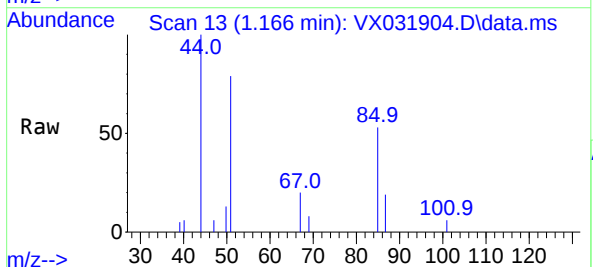


Tgt Ion:168 Resp: 108840
Ion Ratio Lower Upper
168 100
99 52.2 48.8 73.2

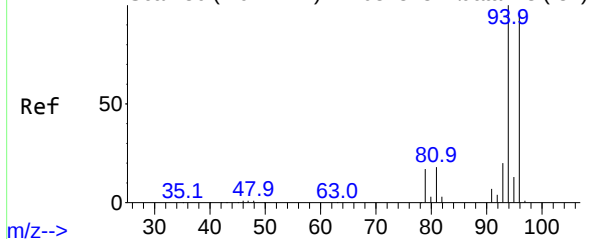


#2
Dichlorodifluoromethane
Concen: 0.379 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

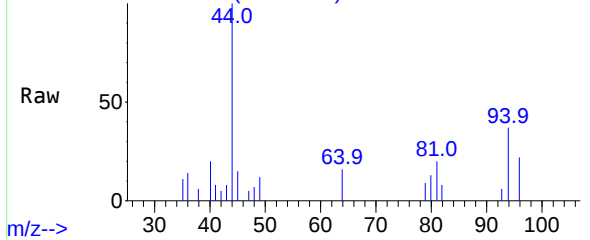
Tgt Ion: 85 Resp: 478
Ion Ratio Lower Upper
85 100
87 34.7 15.8 47.4



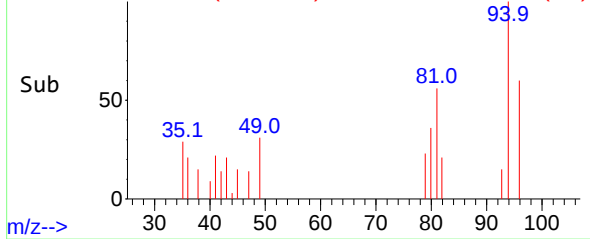
Abundance Scan 86 (1.611 min): VX031828.D\data.ms (-81)



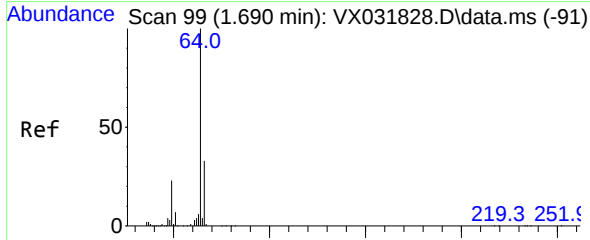
m/z--> Scan 86 (1.611 min): VX031904.D\data.ms



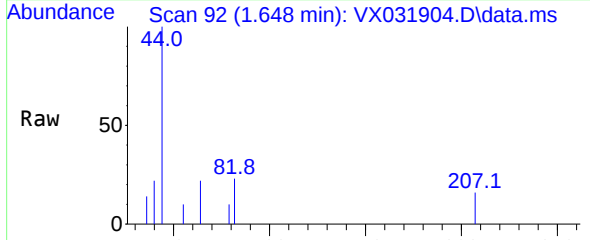
Abundance Scan 86 (1.611 min): VX031904.D\data.ms (-37)



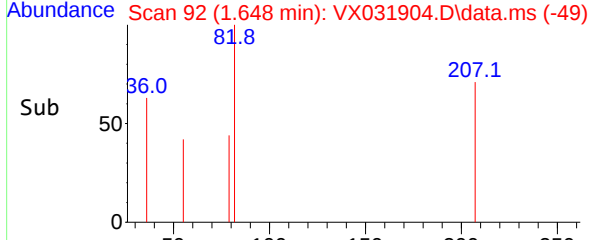
m/z--> Scan 99 (1.690 min): VX031828.D\data.ms (-91)



m/z--> Scan 92 (1.648 min): VX031904.D\data.ms



Abundance Scan 92 (1.648 min): VX031904.D\data.ms (-49)



m/z--> Time-->

#5

Bromomethane

Concen: 0.468 ug/l

RT: 1.611 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

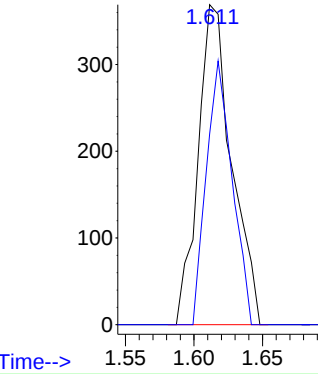
Tgt Ion: 94 Resp: 628

Ion Ratio Lower Upper

94 100

96 59.6 74.4 111.6#

Abundance



#6

Chloroethane

Concen: Below Cal

RT: 1.648 min Scan# 92

Delta R.T. -0.037 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

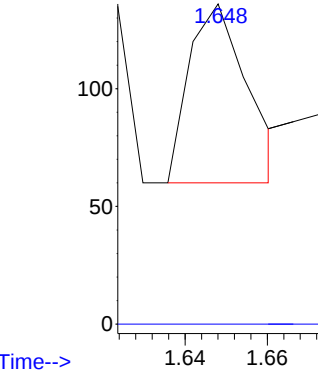
Tgt Ion: 64 Resp: 75

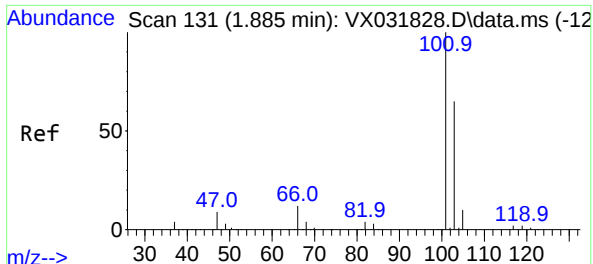
Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#

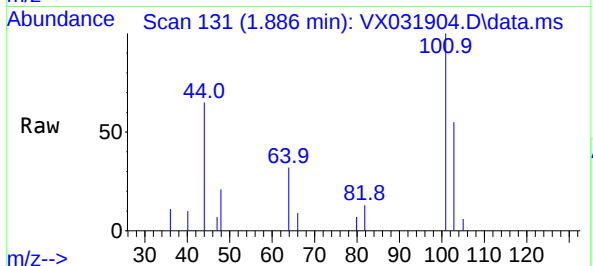
Abundance



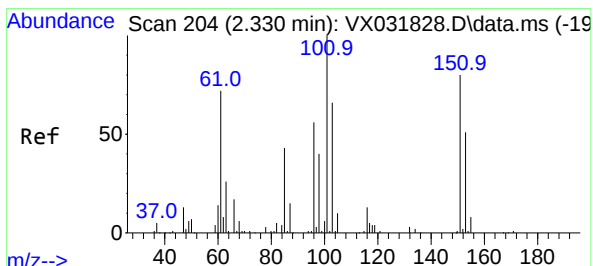
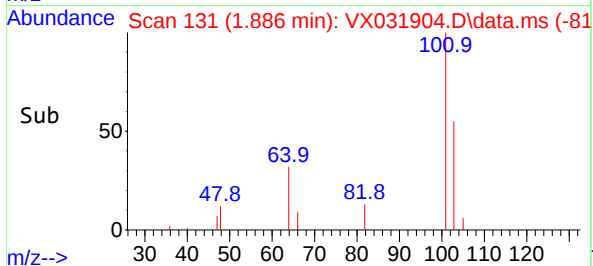
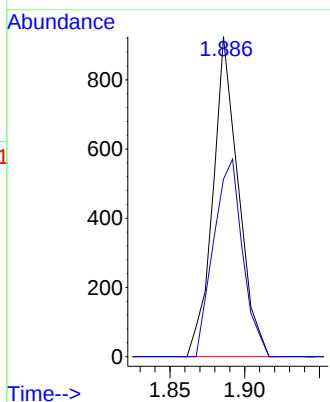


#7
Trichlorofluoromethane
Concen: 0.367 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :

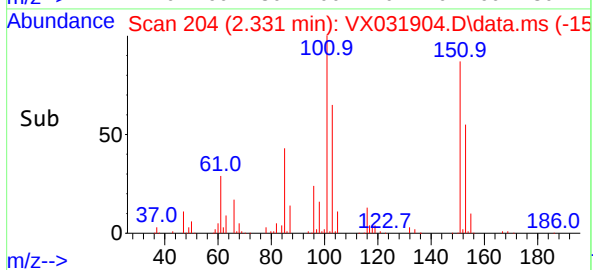
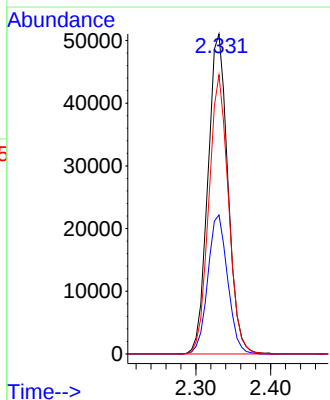
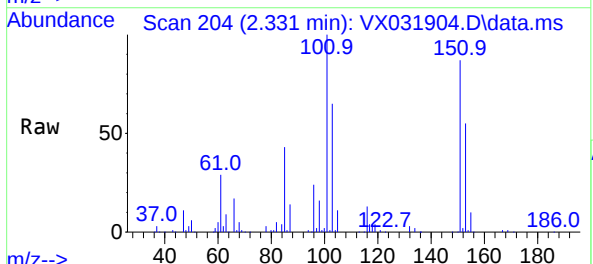


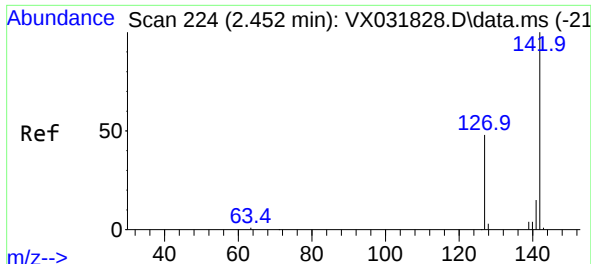
Tgt Ion:101 Resp: 1095
Ion Ratio Lower Upper
101 100
103 55.5 51.8 77.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 65.694 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

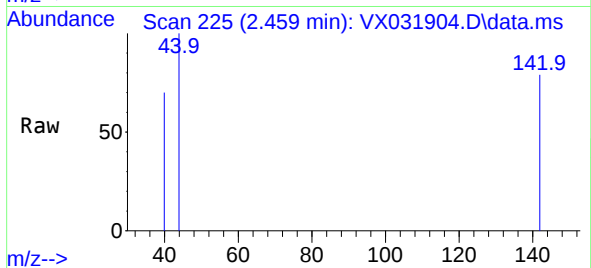
Tgt Ion:101 Resp: 94868
Ion Ratio Lower Upper
101 100
85 43.0 38.6 57.8
151 85.5 54.0 81.0#



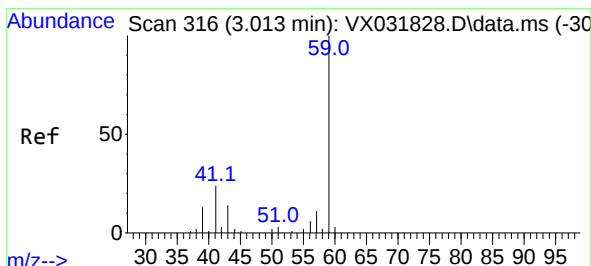
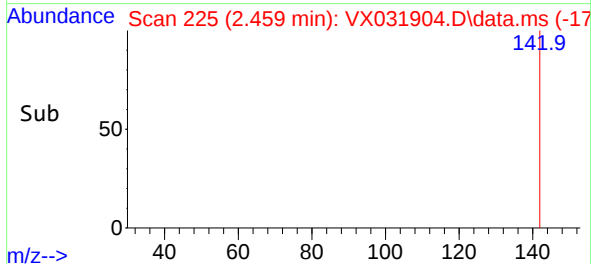
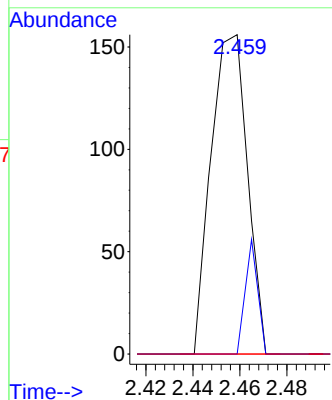


#10
Methyl Iodide
Concen: 3.191 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :

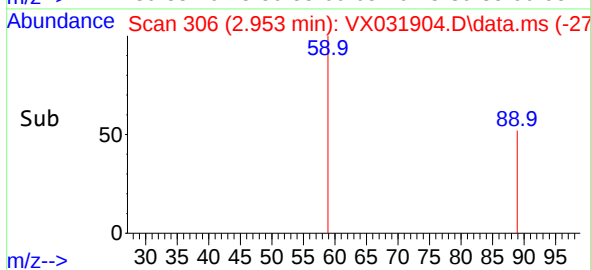
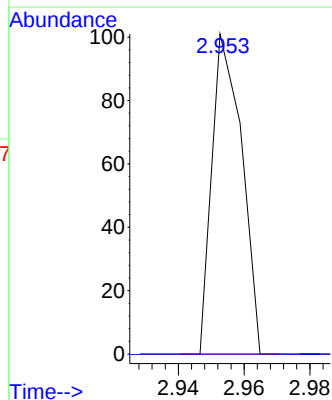
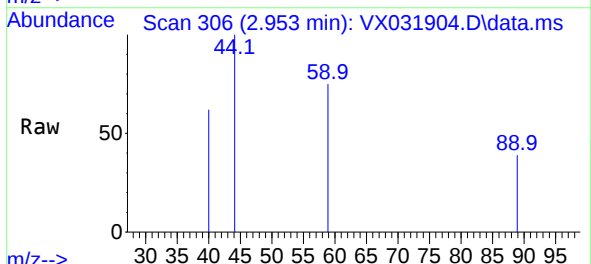


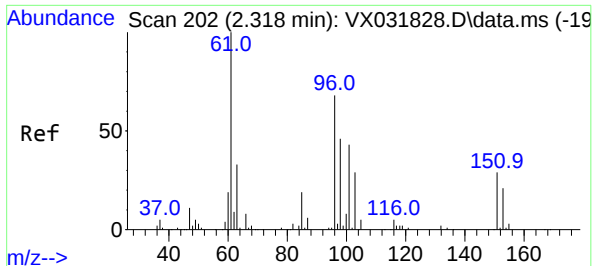
Tgt Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 11.9 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.128 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

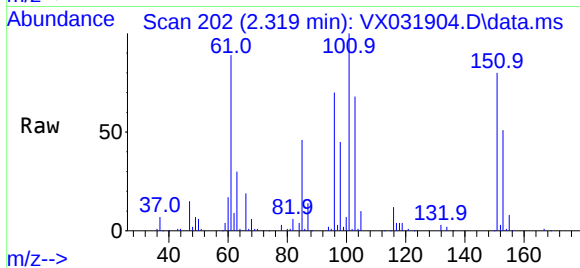
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



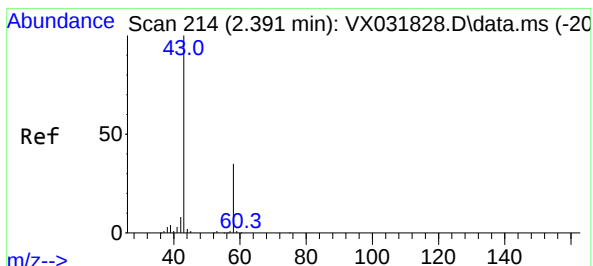
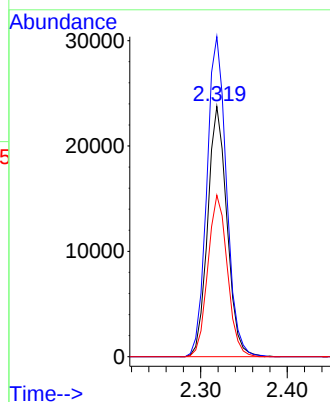
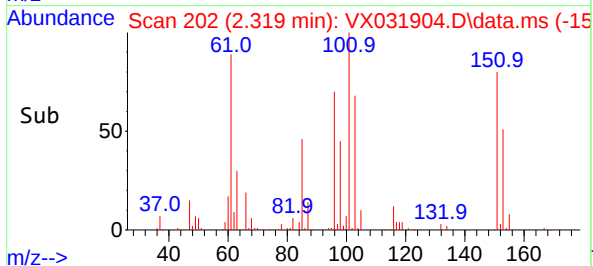


#12
1,1-Dichloroethene
Concen: 26.875 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :

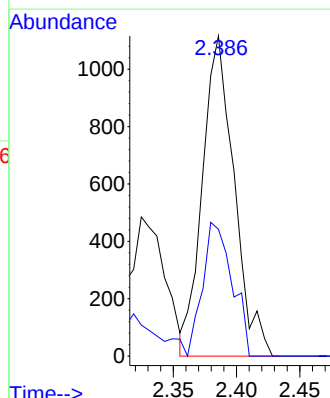
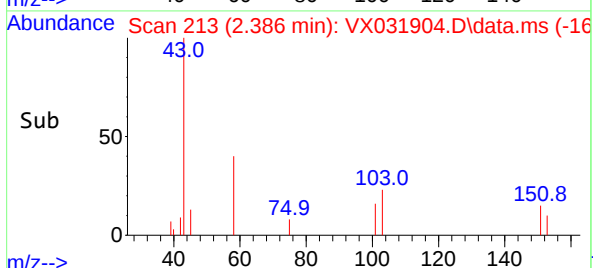
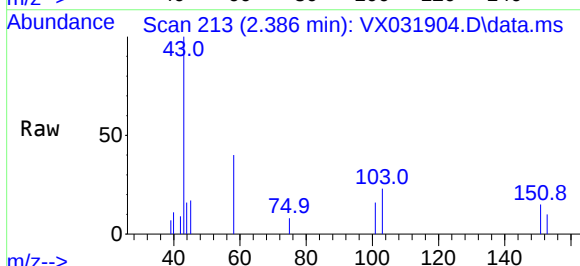


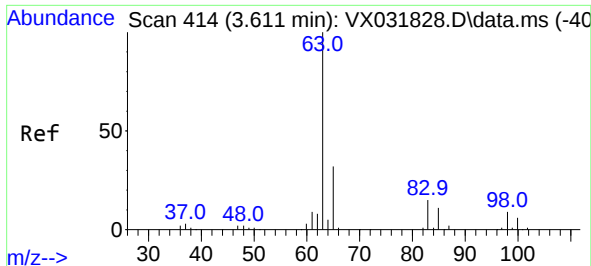
Tgt Ion: 96 Resp: 36754
Ion Ratio Lower Upper
96 100
61 127.8 135.3 202.9#
98 64.5 49.4 74.2



#16
Acetone
Concen: 4.111 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

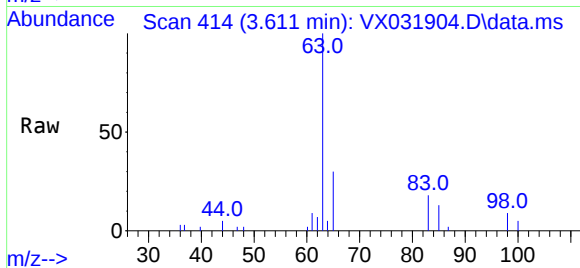
Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
58 39.6 23.8 35.8#



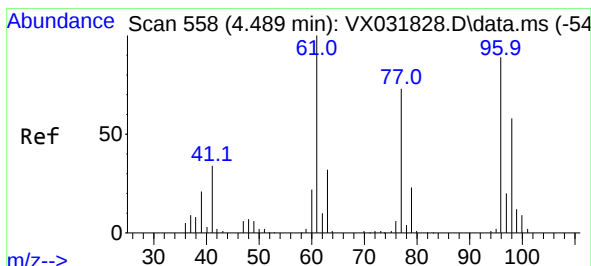
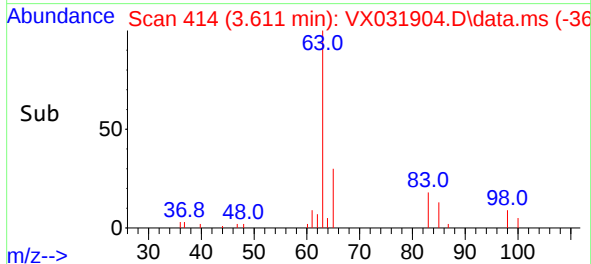
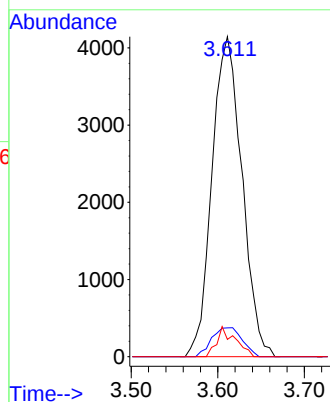


#24
1,1-Dichloroethane
Concen: 4.377 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
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ClientSampleId :

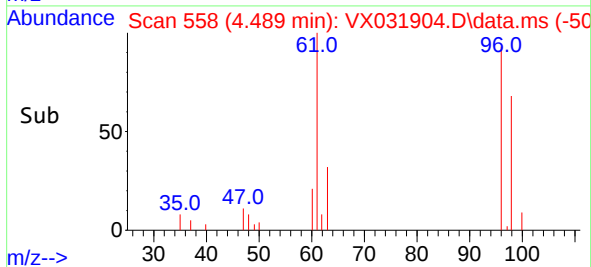
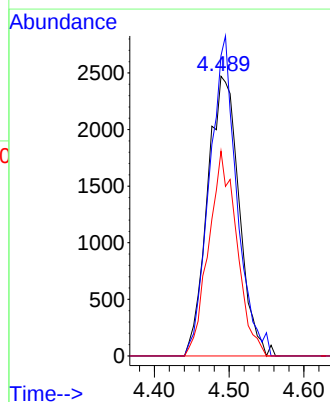
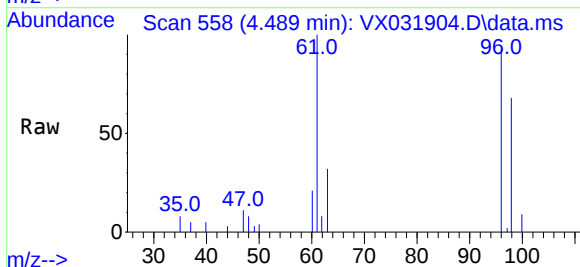


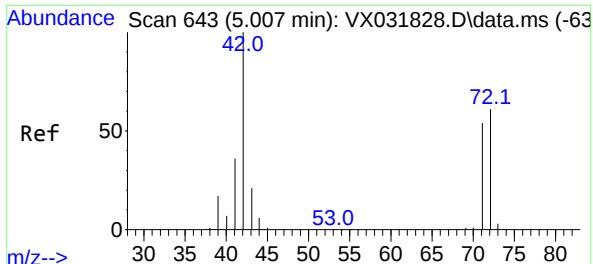
Tgt Ion: 63 Resp: 9966
Ion Ratio Lower Upper
63 100
98 9.0 3.5 10.4
100 5.4 2.4 7.2



#27
cis-1,2-Dichloroethene
Concen: 4.039 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 96 Resp: 7245
Ion Ratio Lower Upper
96 100
61 99.3 0.0 305.2
98 65.3 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX031904.D

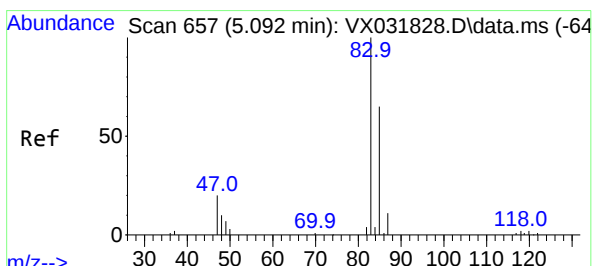
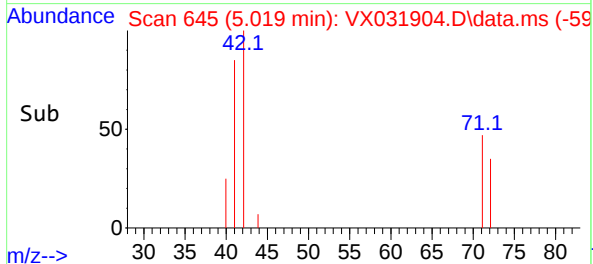
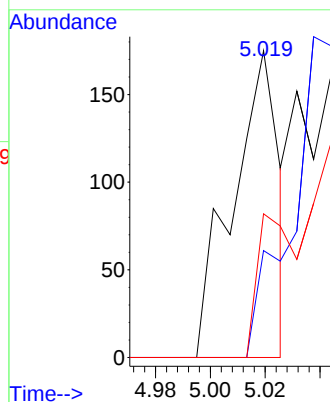
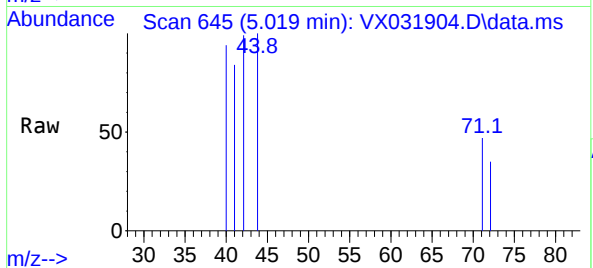
Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 206
Ion Ratio	Lower Upper
42	100
72	0.0 36.4 54.6#
71	0.0 33.5 50.3#



#30

Chloroform

Concen: 1.276 ug/l

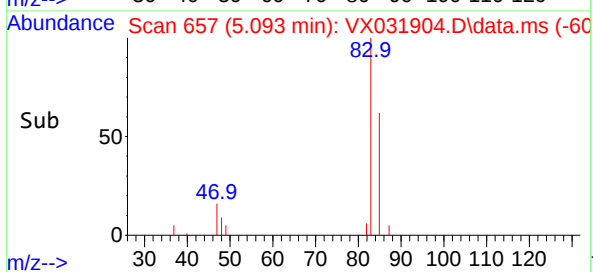
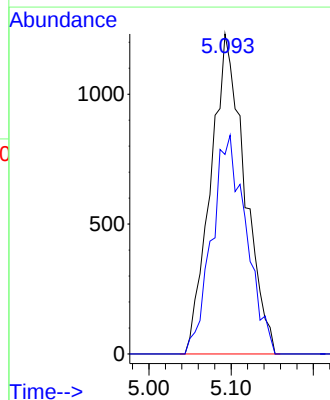
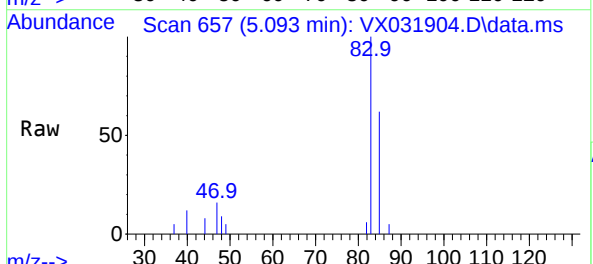
RT: 5.093 min Scan# 657

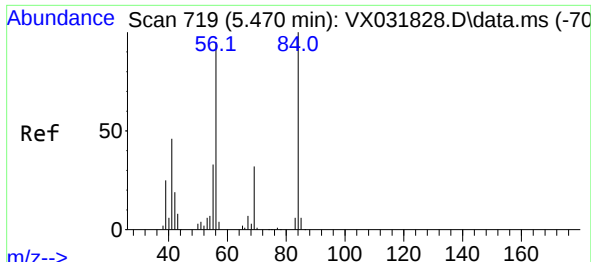
Delta R.T. 0.001 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

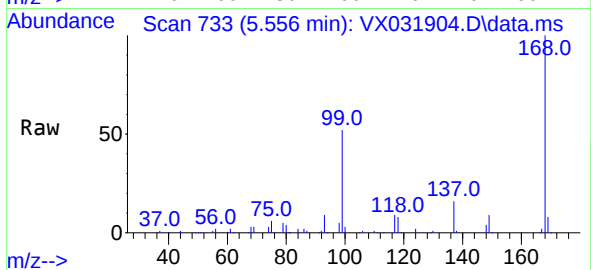
Tgt Ion: 83	Resp: 3563
Ion Ratio	Lower Upper
83	100
85	62.3 52.8 79.2



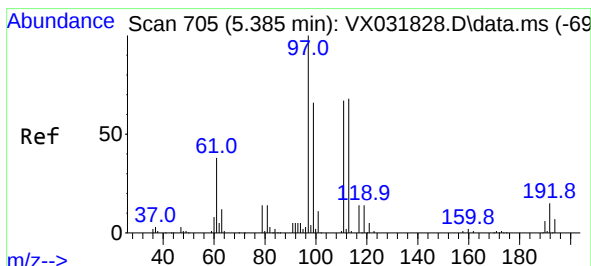
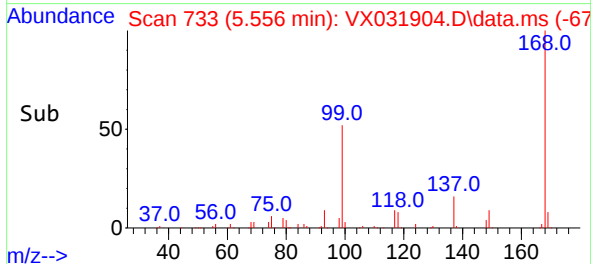
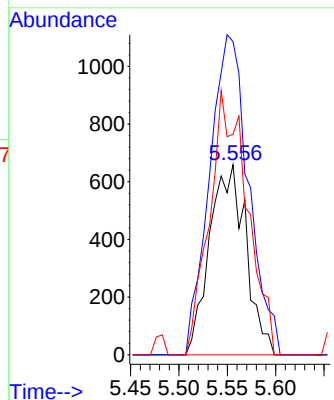


#31
Cyclohexane
Concen: 0.909 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :

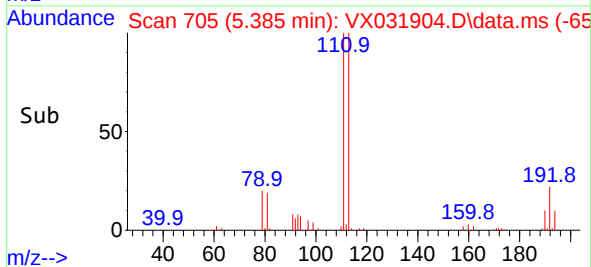
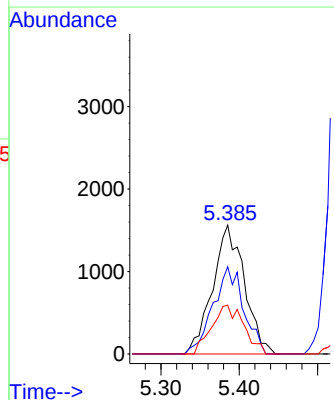
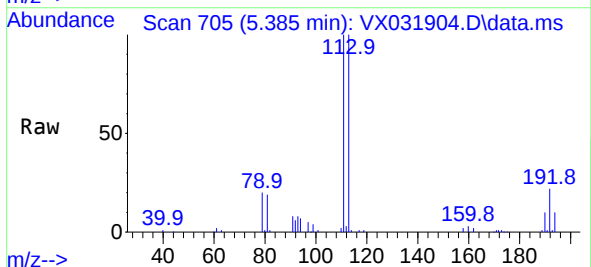


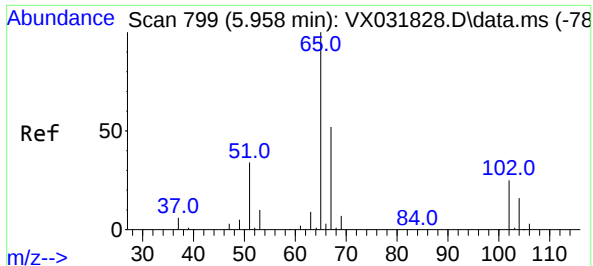
Tgt Ion: 56 Resp: 1721
Ion Ratio Lower Upper
56 100
69 164.8 25.1 37.7#
84 116.1 70.2 105.4#



#32
1,1,1-Trichloroethane
Concen: 1.797 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 97 Resp: 4417
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 38.3 35.9 53.9

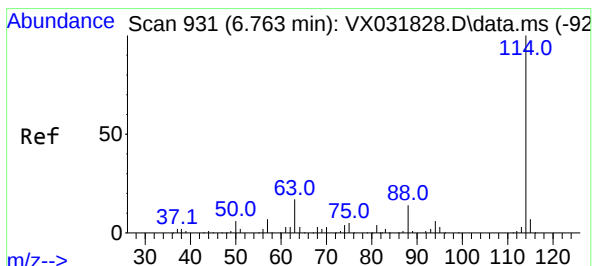
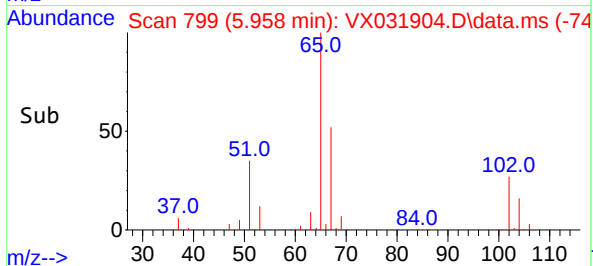
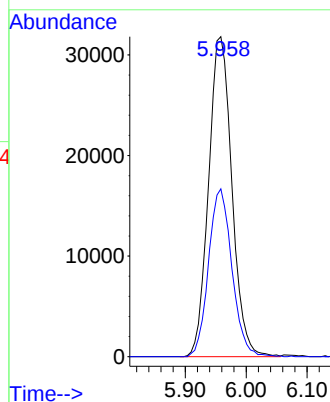
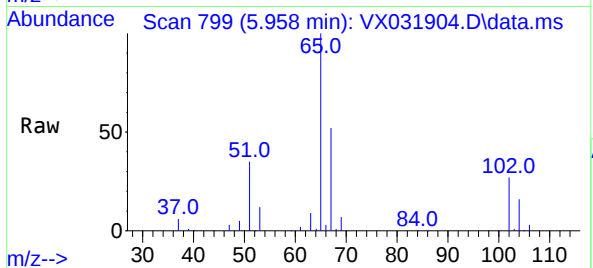




#33
 1,2-Dichloroethane-d4
 Concen: 51.720 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

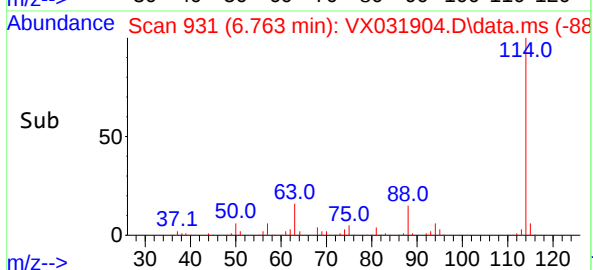
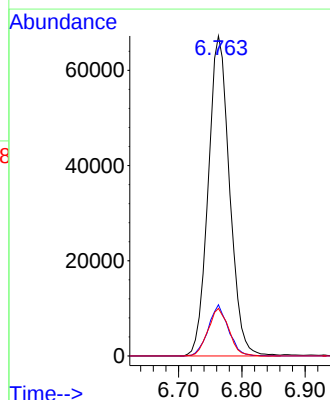
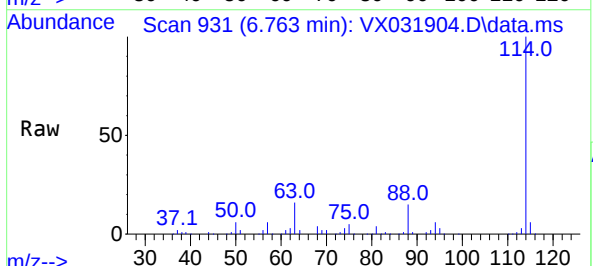
Instrument :
 MSVOA_X
 ClientSampleId :

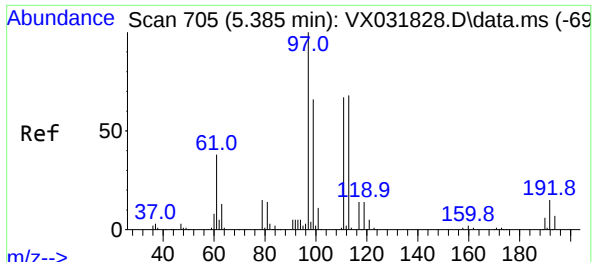
Tgt Ion: 65 Resp: 84786
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

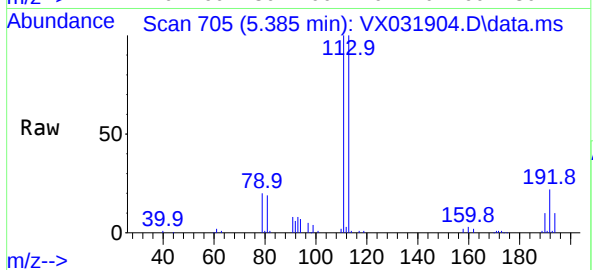
Tgt Ion: 114 Resp: 158023
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 42.6
 88 14.9 0.0 33.0



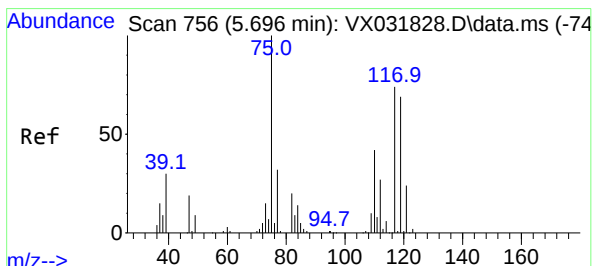
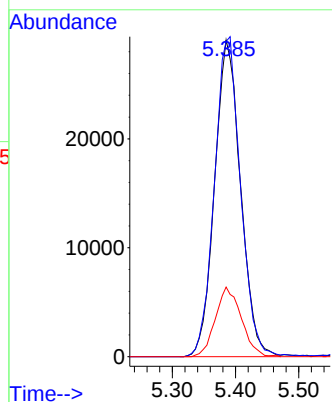
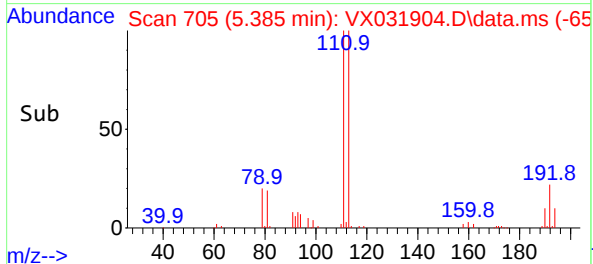


#35
Dibromofluoromethane
Concen: 47.718 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

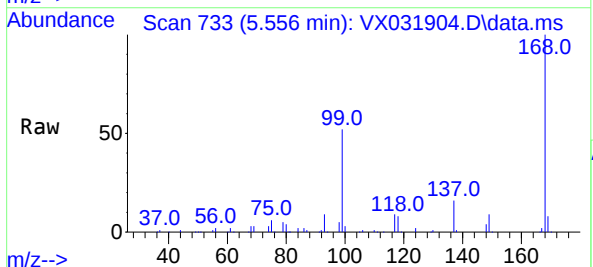
Instrument :
MSVOA_X
ClientSampleId :



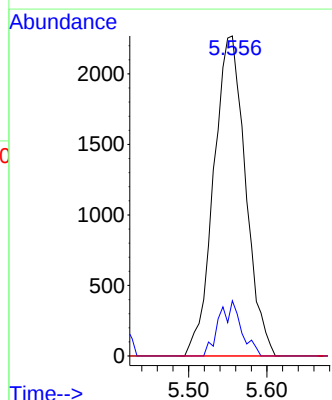
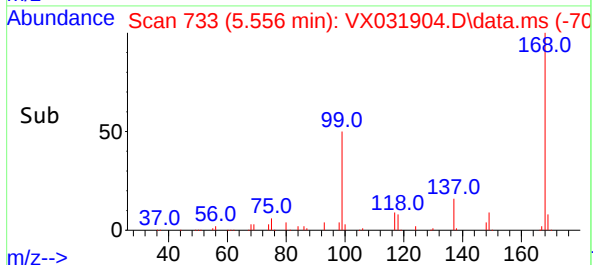
Tgt Ion:113 Resp: 82501
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 22.0 14.1 21.1#

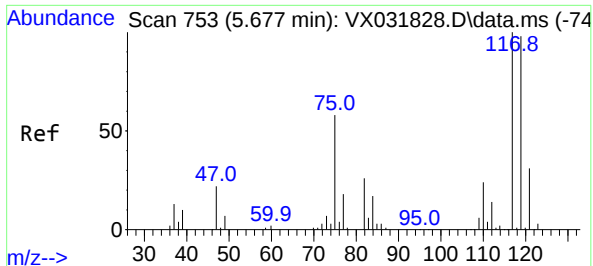


#36
1,1-Dichloropropene
Concen: 3.195 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49



Tgt Ion: 75 Resp: 6412
Ion Ratio Lower Upper
75 100
110 5.8 17.5 52.5#
77 0.0 24.9 37.3#

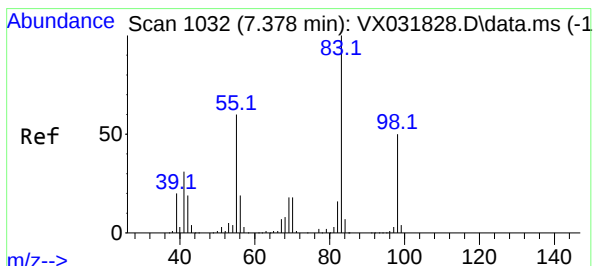
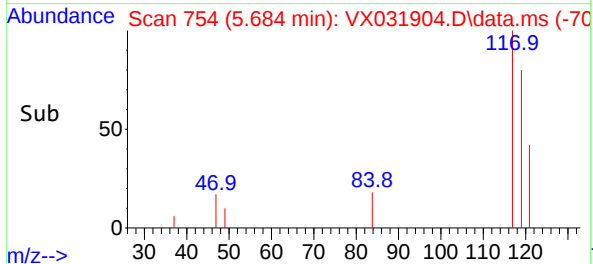
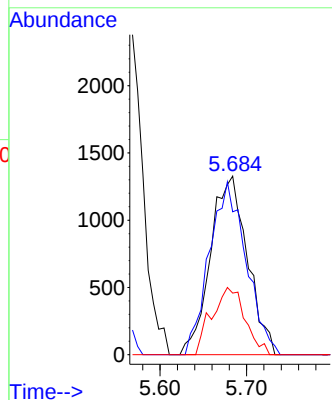
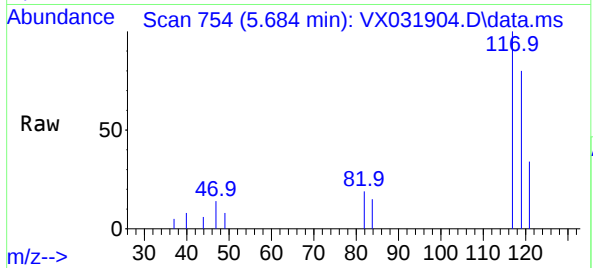




#38
Carbon Tetrachloride
Concen: 1.671 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

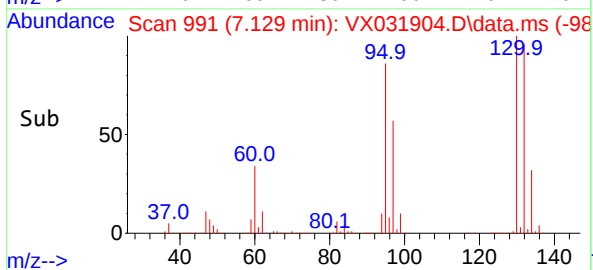
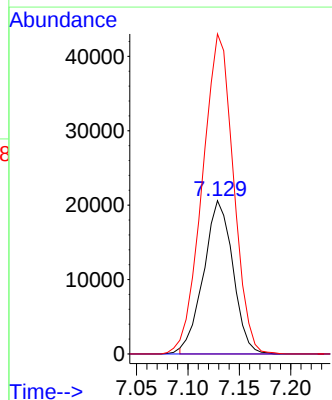
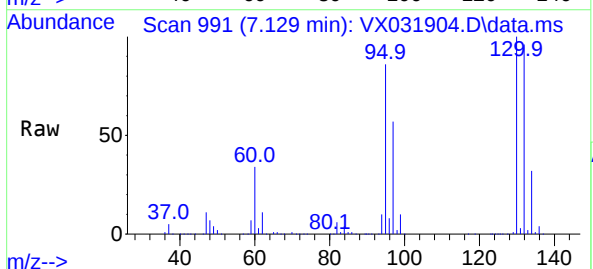
Instrument :
MSVOA_X
ClientSampleId :

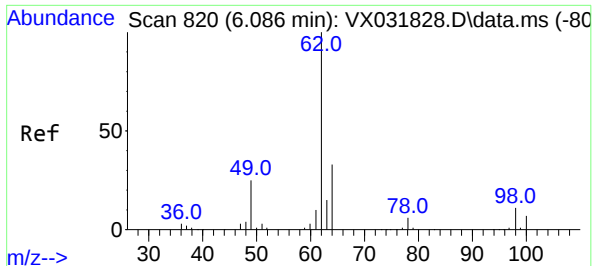
Tgt Ion:117 Resp: 3948
Ion Ratio Lower Upper
117 100
119 80.0 74.6 112.0
121 34.5 25.3 37.9



#39
Methylcyclohexane
Concen: 15.834 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 83 Resp: 40715
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 208.6 37.7 56.5#





#42

1,2-Dichloroethane

Concen: 0.673 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

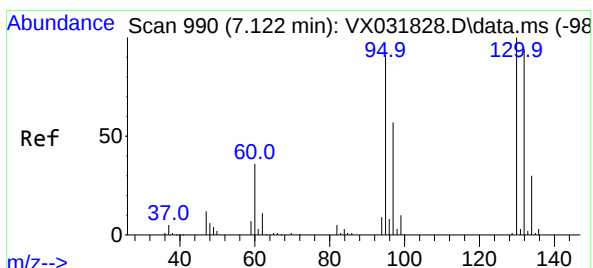
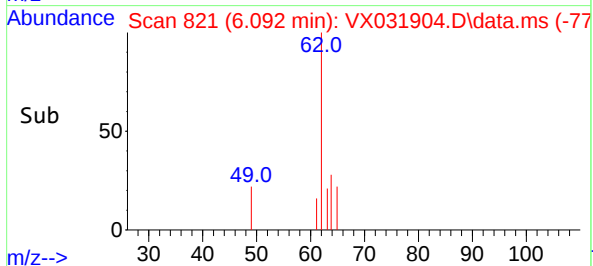
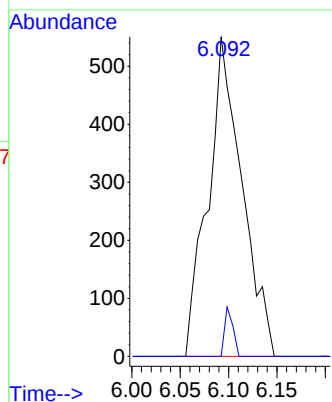
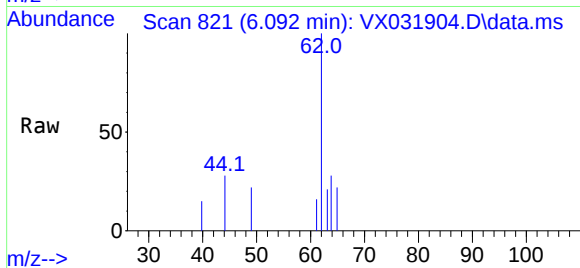
ClientSampleId :

Tgt Ion: 62 Resp: 1349

Ion Ratio Lower Upper

62 100

98 3.7 0.0 17.8



#44

Trichloroethene

Concen: 1914.540 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031904.D

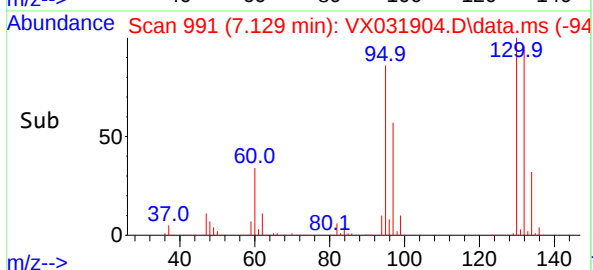
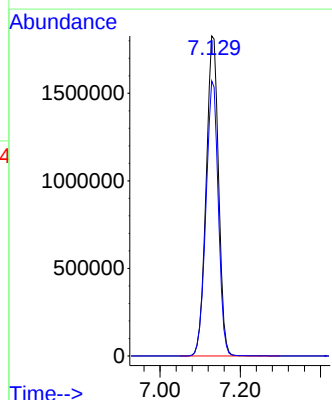
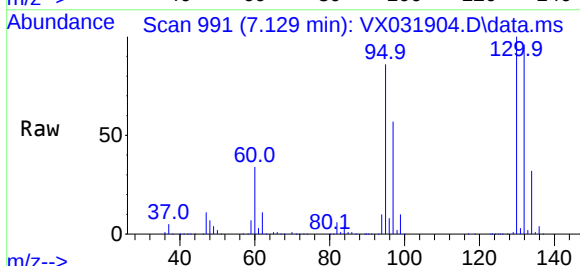
Acq: 05 Oct 2022 18:49

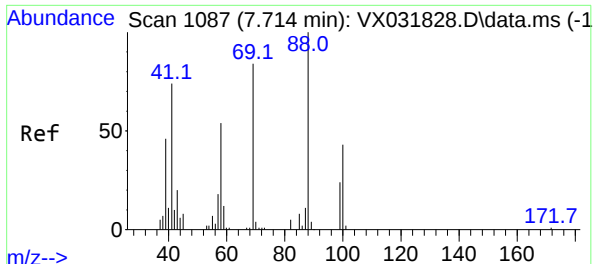
Tgt Ion:130 Resp: 3931973

Ion Ratio Lower Upper

130 100

95 85.9 0.0 206.8





#49

1,4-Dioxane

Concen: 21.935 ug/l

RT: 7.690 min Scan# 1087

Delta R.T. -0.024 min

Lab File: VX031904.D

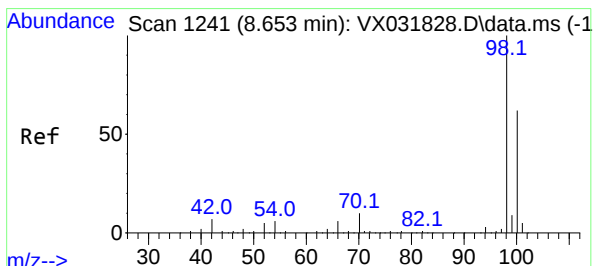
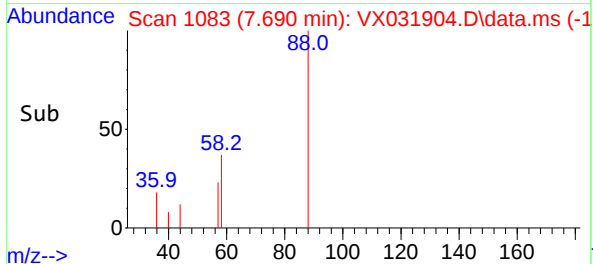
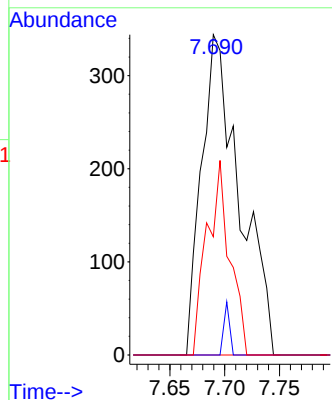
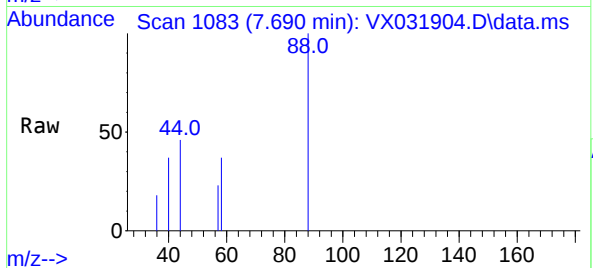
Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 834
Ion Ratio	Lower Upper
88 100	
43 2.5	27.1 40.7#
58 36.3	53.9 80.9#



#50

Toluene-d8

Concen: 49.632 ug/l

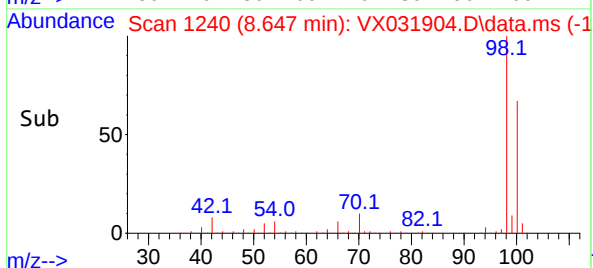
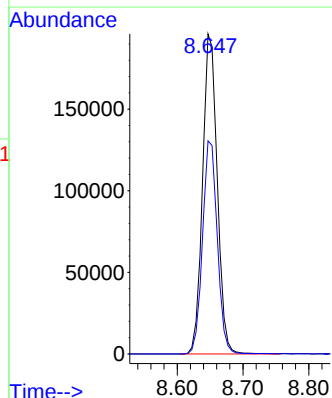
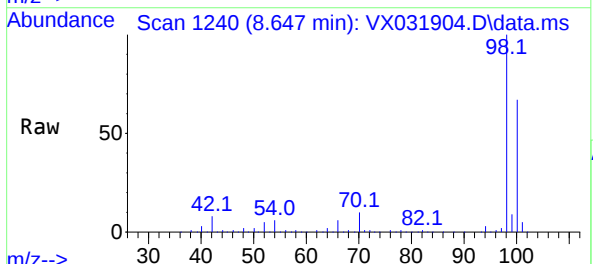
RT: 8.647 min Scan# 1240

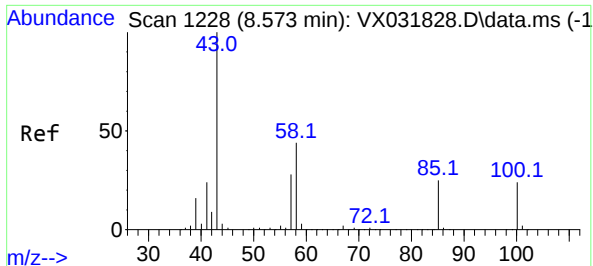
Delta R.T. -0.006 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Tgt Ion: 98	Resp: 303956
Ion Ratio	Lower Upper
98 100	
100 67.0	52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.592 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

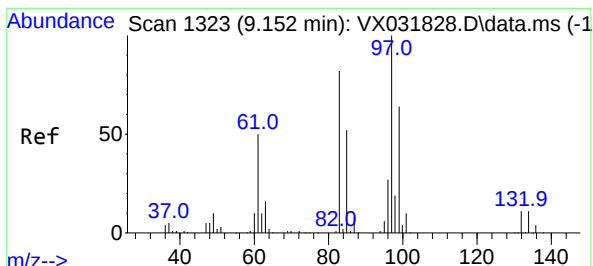
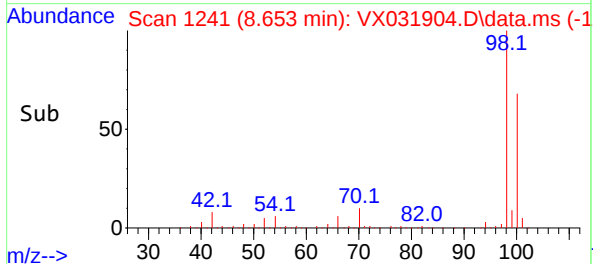
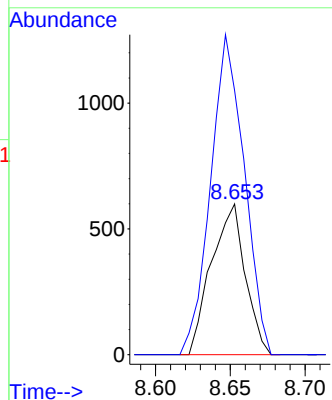
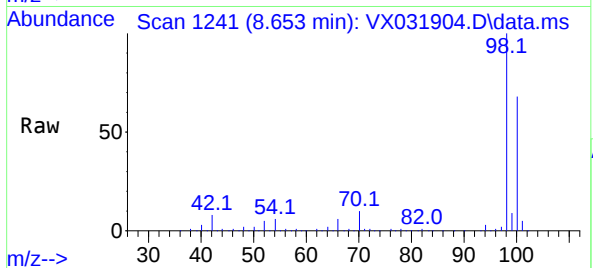
ClientSampleId :

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

58 211.4 30.6 46.0#



#55

1,1,2-Trichloroethane

Concen: 1.762 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Tgt Ion: 97 Resp: 3096

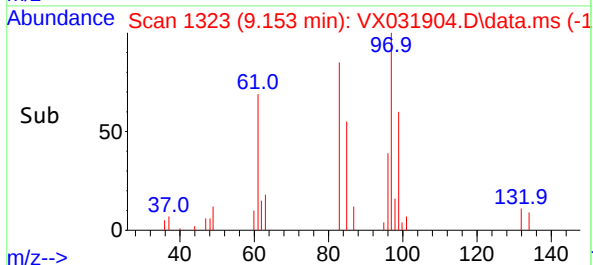
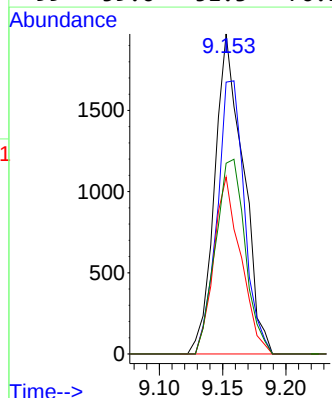
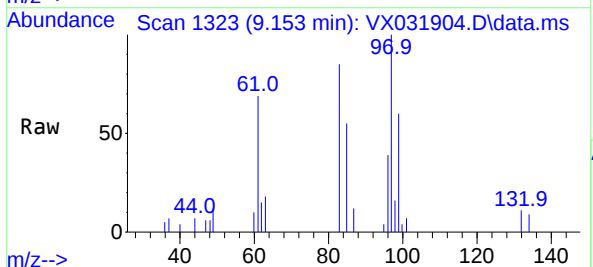
Ion Ratio Lower Upper

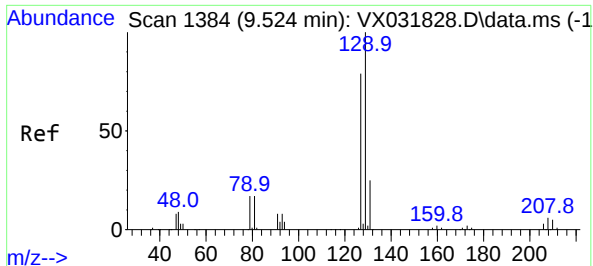
97 100

83 84.9 69.0 103.6

85 55.3 44.1 66.1

99 59.6 51.3 76.9

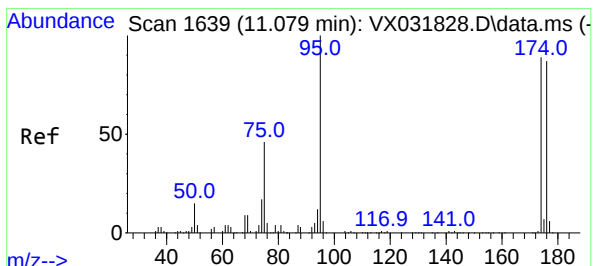
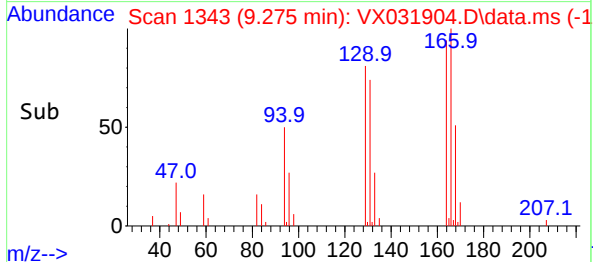
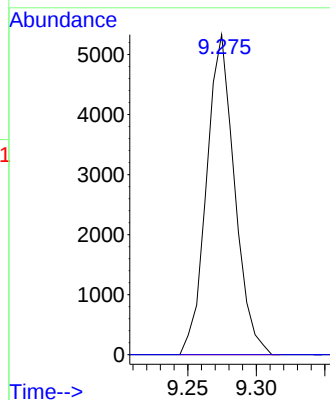
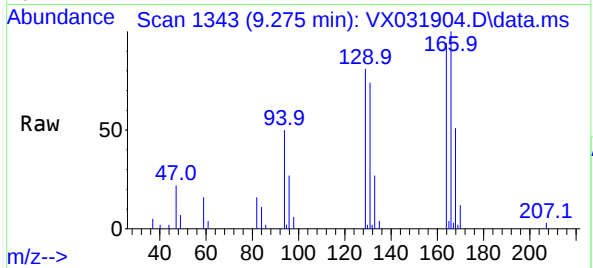




#60
Dibromochloromethane
Concen: 4.300 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

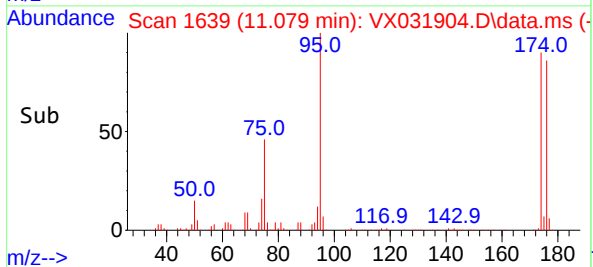
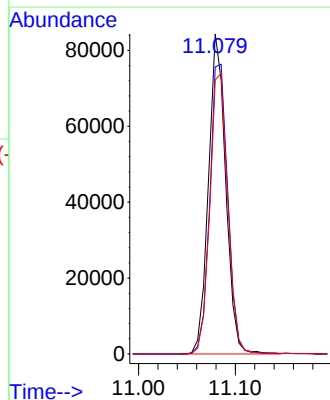
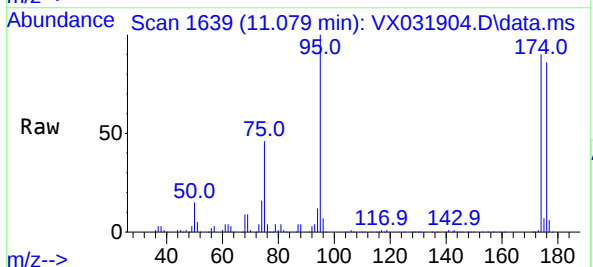
Instrument :
MSVOA_X
ClientSampleId :

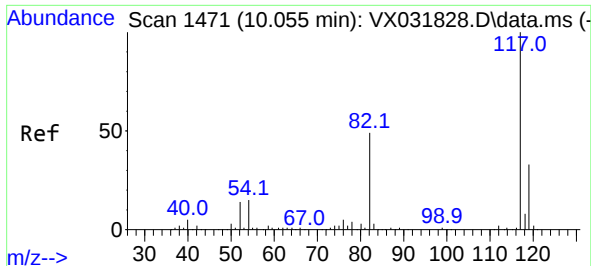
Tgt Ion:129 Resp: 7603
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 47.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 95 Resp: 104641
Ion Ratio Lower Upper
95 100
174 94.8 0.0 153.2
176 91.4 0.0 144.0

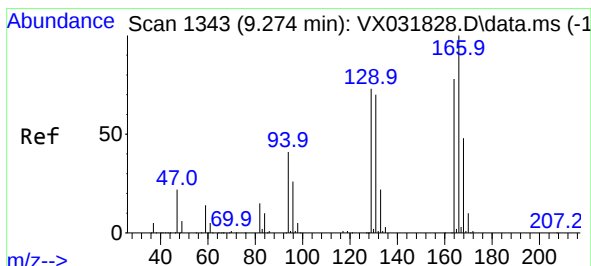
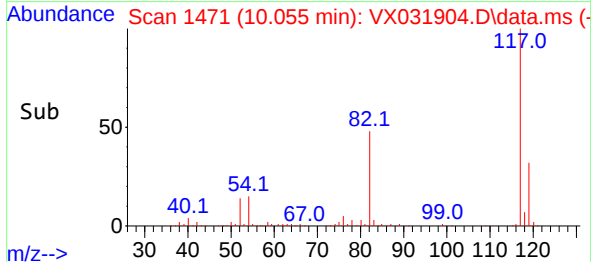
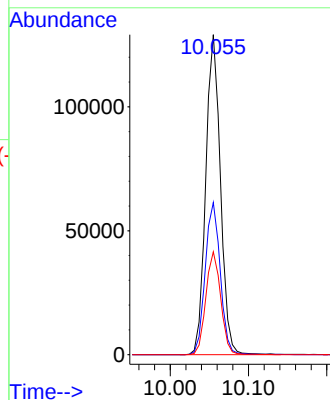
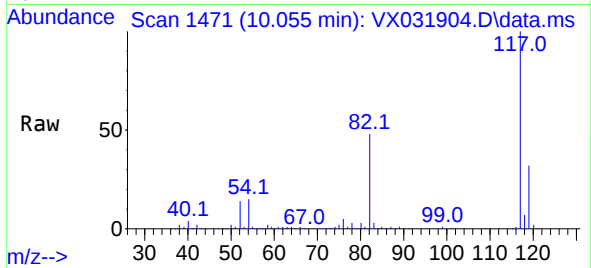




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

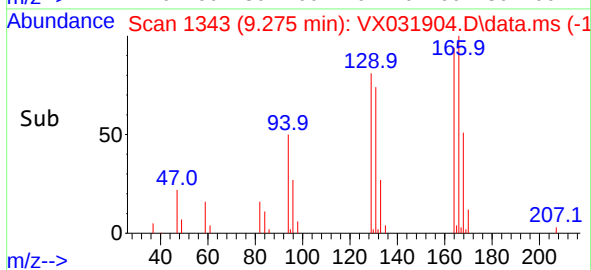
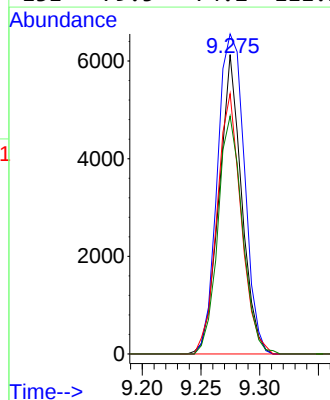
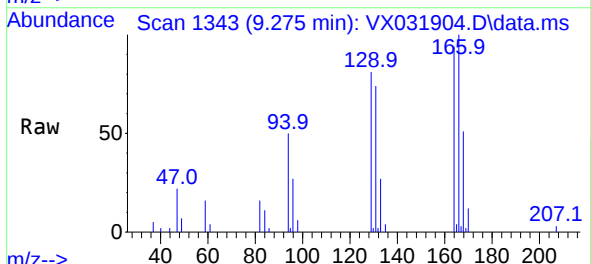
Instrument :
MSVOA_X
ClientSampleId :

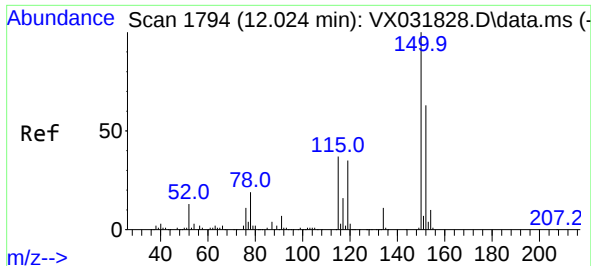
Tgt Ion:117 Resp: 167740
Ion Ratio Lower Upper
117 100
82 47.5 46.8 70.2
119 32.1 26.4 39.6



#64
Tetrachloroethene
Concen: 3.977 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

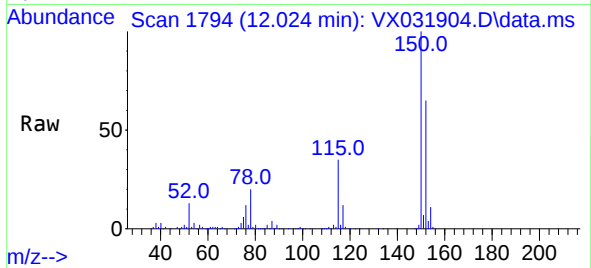
Tgt Ion:164 Resp: 8206
Ion Ratio Lower Upper
164 100
166 106.9 99.0 148.4
129 86.9 78.0 117.0
131 79.5 74.2 111.2



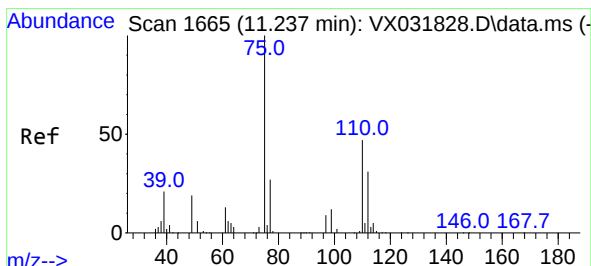
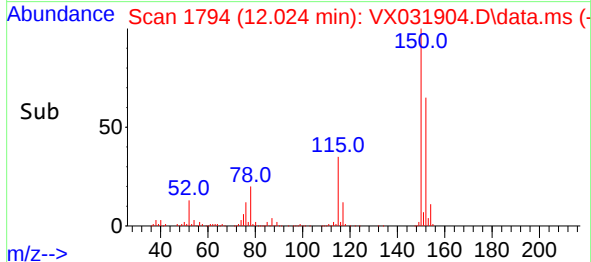
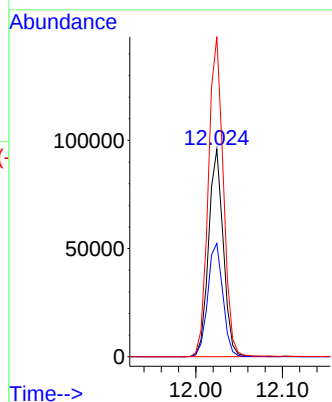


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

Instrument :
 MSVOA_X
 ClientSampleId :

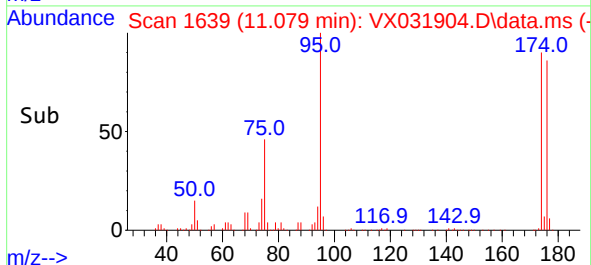
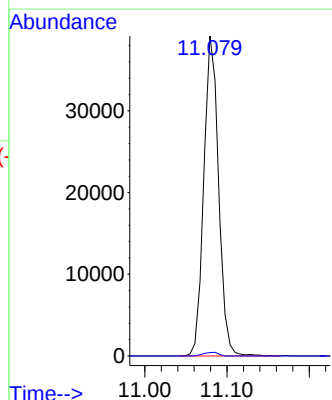
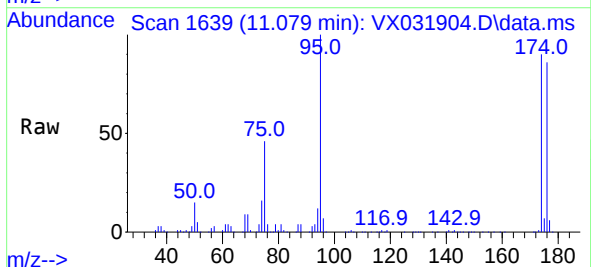


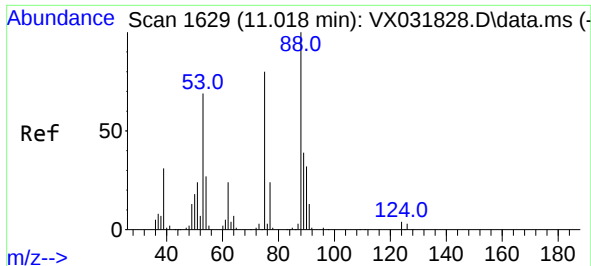
Tgt Ion:152 Resp: 112928
 Ion Ratio Lower Upper
 152 100
 115 56.4 43.4 130.1
 150 157.4 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.238 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

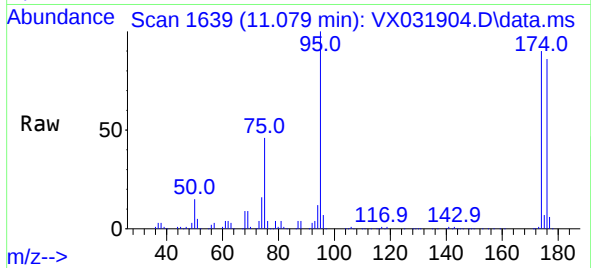
Tgt Ion: 75 Resp: 48906
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 89.994 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48906
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

