

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031905.D
 Acq On : 05 Oct 2022 19:12
 Operator : JC/MD
 Sample : N4983-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 06 06:48:56 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

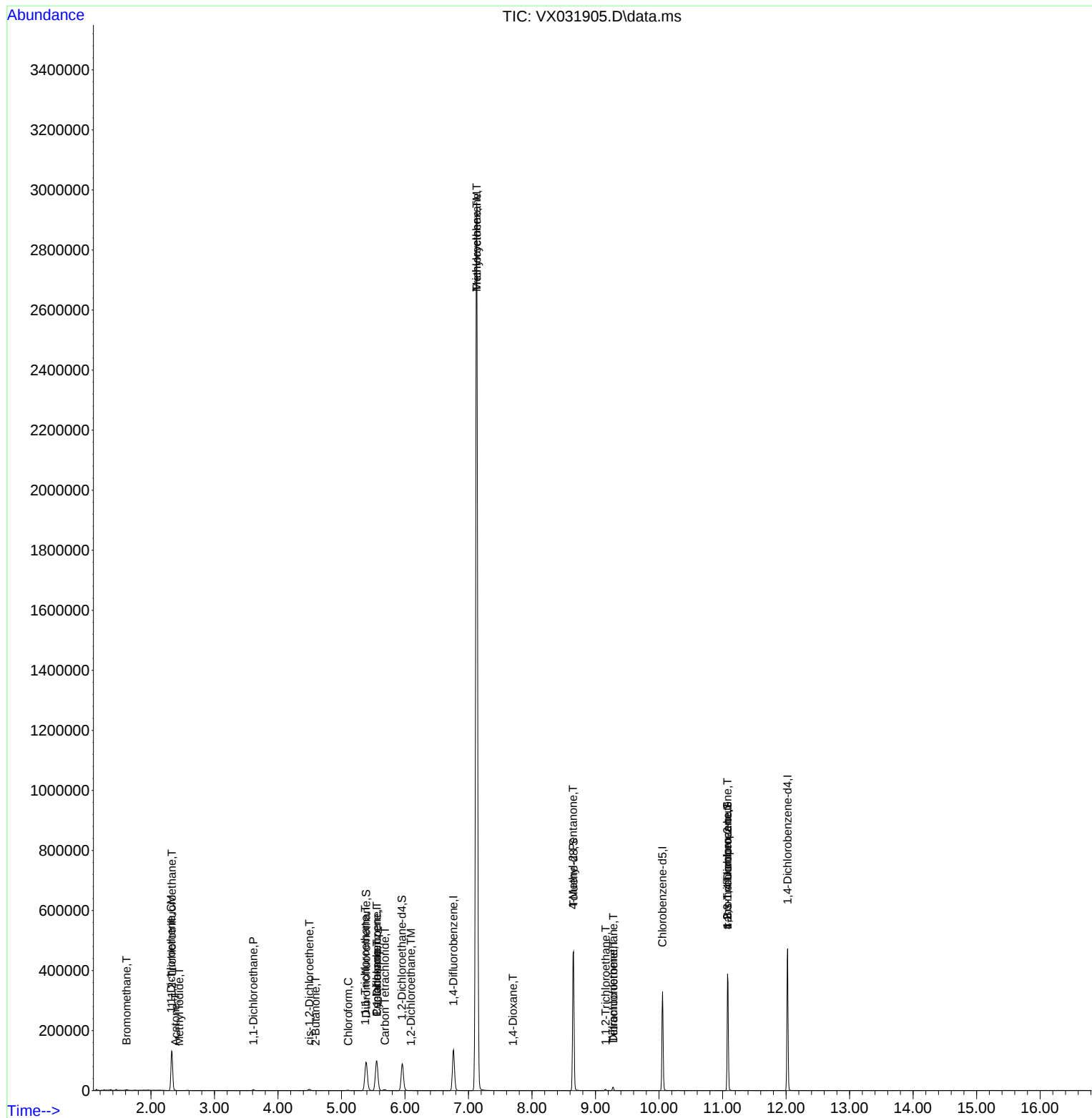
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	105753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	153912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162817	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84692	53.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.340%	
35) Dibromofluoromethane	5.385	113	81237	48.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	8.653	98	299570	50.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	11.079	95	101913	47.498	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	431	0.330	ug/l #	80
6) Chloroethane	1.685	64	25	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	44148	31.464	ug/l #	85
10) Methyl Iodide	2.447	142	128	3.170	ug/l #	38
11) Tert butyl alcohol	2.947	59	128	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	10762	8.099	ug/l #	78
13) Acrolein	2.233	56	24	Below Cal	#	15
16) Acetone	2.386	43	1358	2.943	ug/l #	86
24) 1,1-Dichloroethane	3.611	63	3131	1.415	ug/l #	81
25) 2-Butanone	4.593	43	169	0.230	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	3386	1.943	ug/l	67
30) Chloroform	5.105	83	2103	0.775	ug/l #	68
31) Cyclohexane	5.556	56	1478	0.803	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	1633	0.684	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	6314	3.230	ug/l #	51
38) Carbon Tetrachloride	5.684	117	3095	1.345	ug/l	94
39) Methylcyclohexane	7.129	83	12763	5.096	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	675	0.346	ug/l #	75
44) Trichloroethene	7.129	130	1252298	626.050	ug/l	81
49) 1,4-Dioxane	7.702	88	119	3.213	ug/l #	67
51) 4-Methyl-2-Pentanone	8.647	43	960	0.619	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1375	0.803	ug/l	90
60) Dibromochloromethane	9.281	129	2165	1.257	ug/l #	11
64) Tetrachloroethene	9.281	164	2341	1.169	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	47744	28.046	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	47744	92.539	ug/l #	11

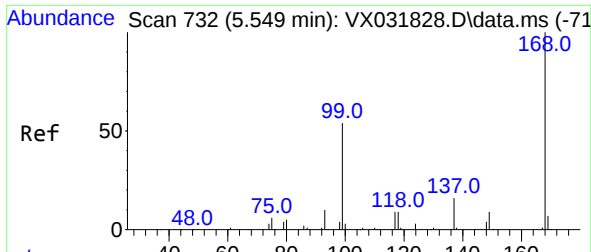
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
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Quant Title : SW846 8260
QLast Update : Wed Oct 05 12:20:53 2022
Response via : Initial Calibration

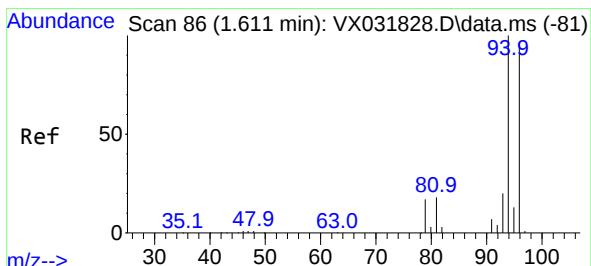
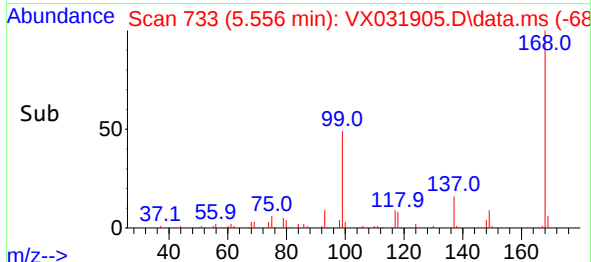
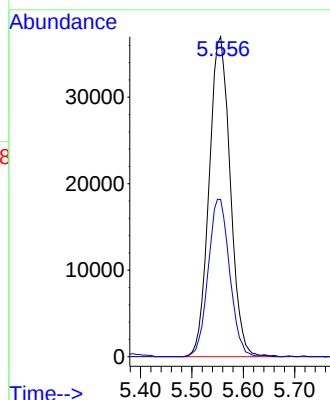
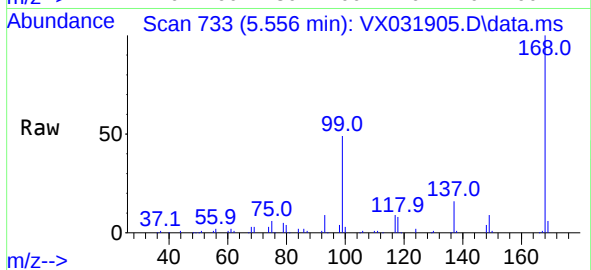




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

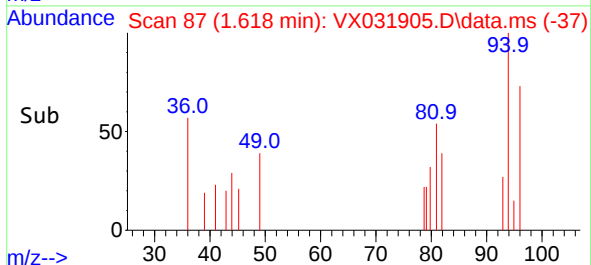
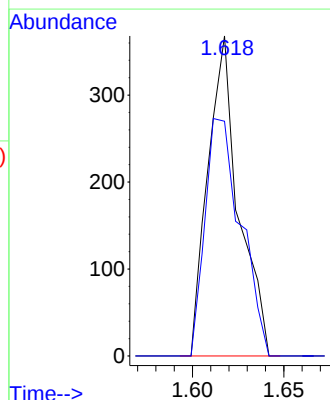
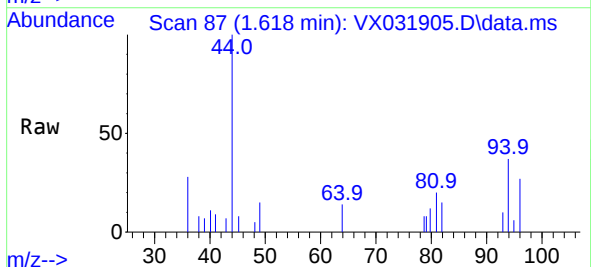
Instrument :
MSVOA_X
ClientSampleId :

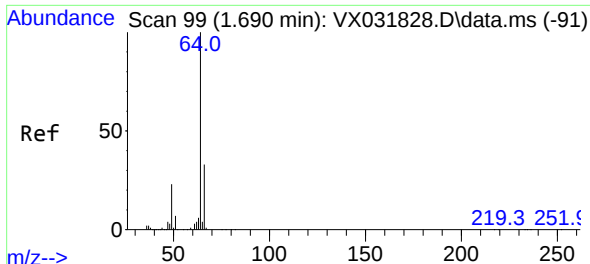
Tgt Ion:168 Resp: 105753
Ion Ratio Lower Upper
168 100
99 49.1 48.8 73.2



#5
Bromomethane
Concen: 0.330 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 73.4 74.4 111.6#

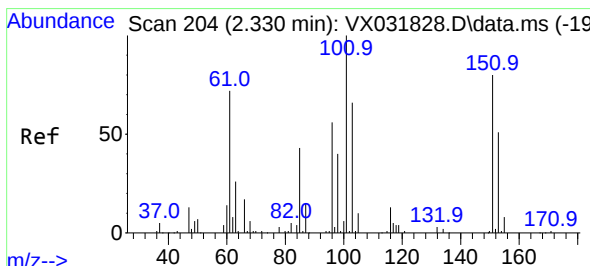
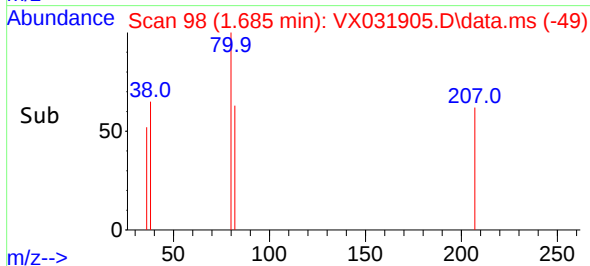
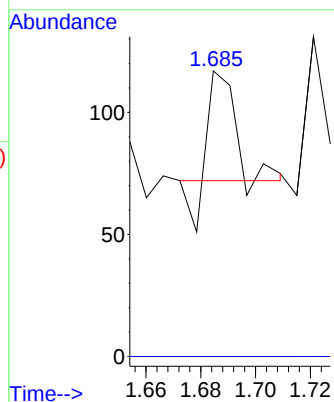
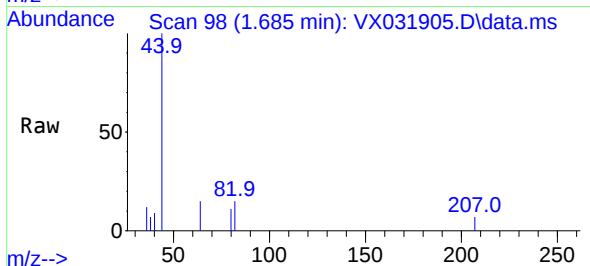




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

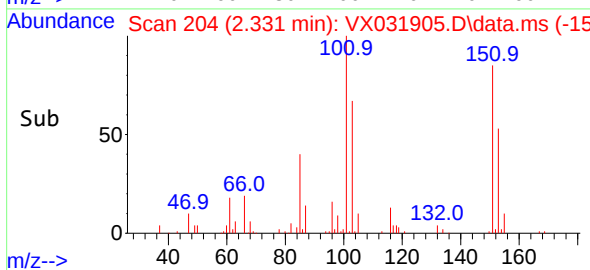
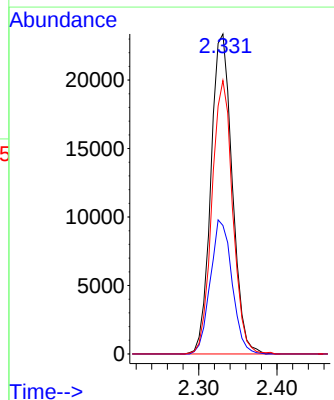
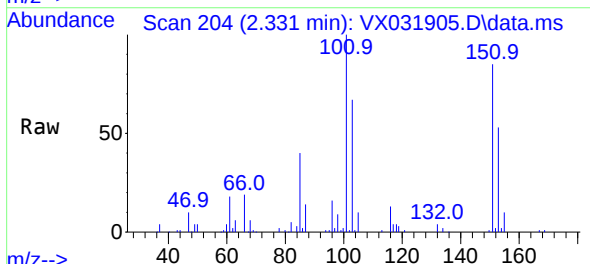
Instrument :
MSVOA_X
ClientSampleId :

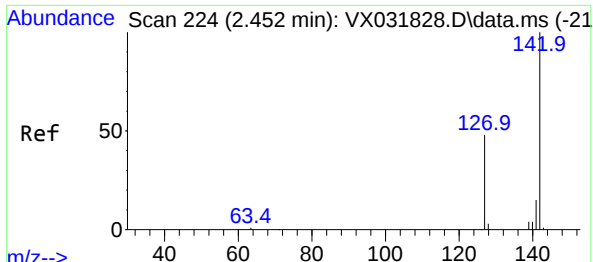
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 31.464 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

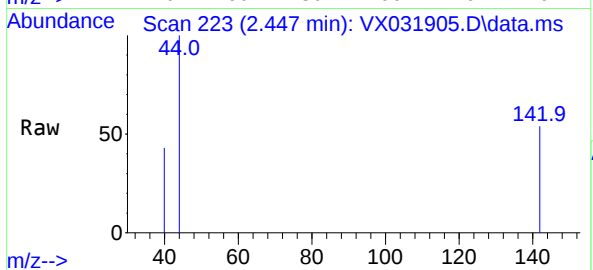
Tgt Ion: 101 Resp: 44148
Ion Ratio Lower Upper
101 100
85 42.6 38.6 57.8
151 83.3 54.0 81.0#



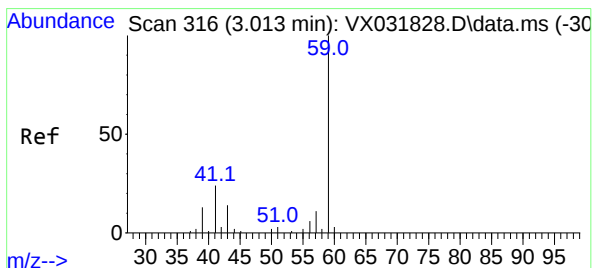
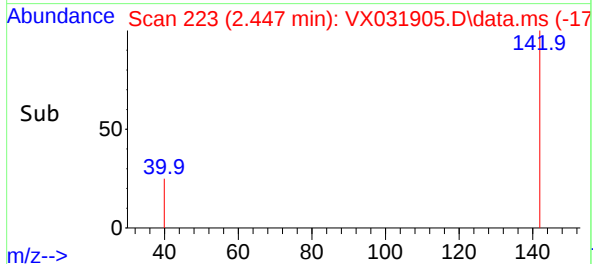
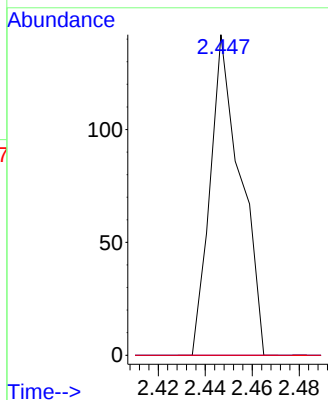


#10
Methyl Iodide
Concen: 3.170 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

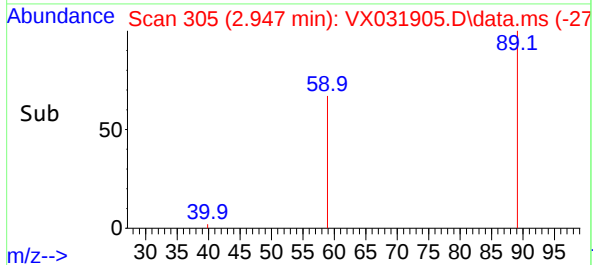
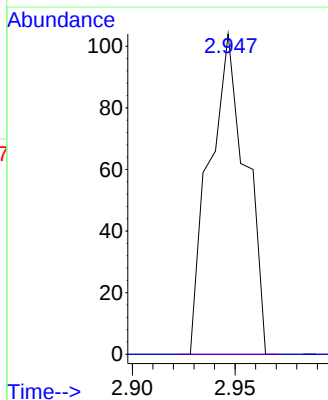
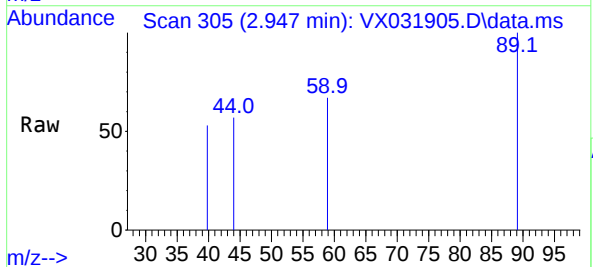


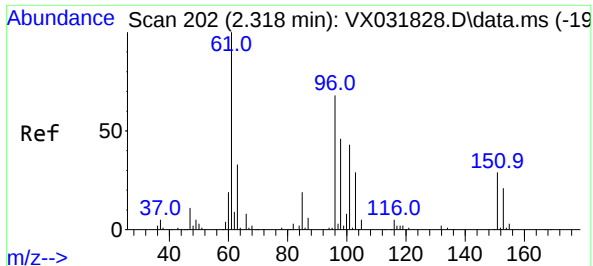
Tgt Ion:142 Resp: 128
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.134 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

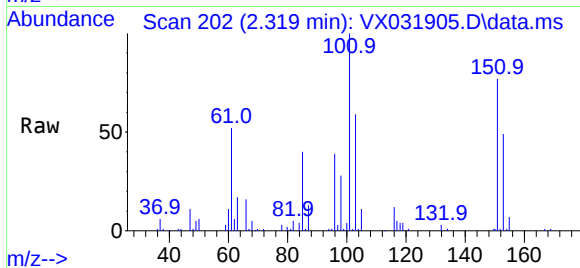
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



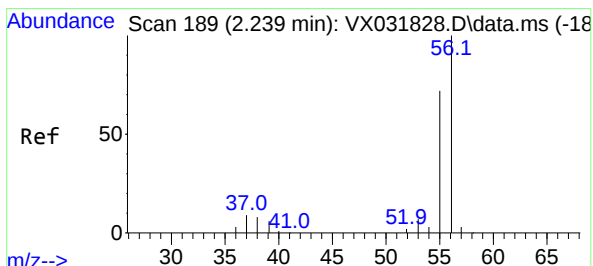
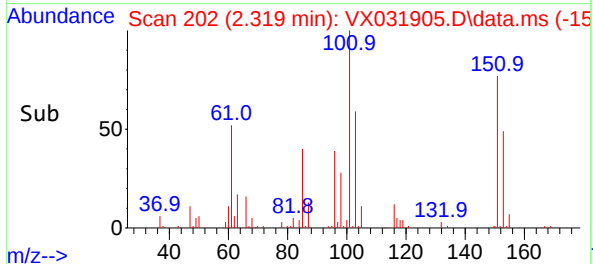
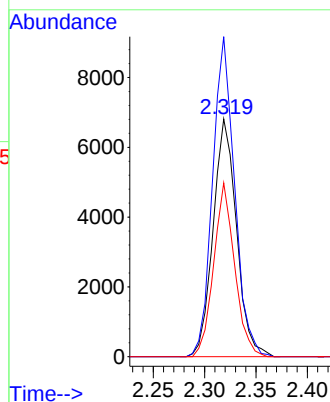


#12
1,1-Dichloroethene
Concen: 8.099 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

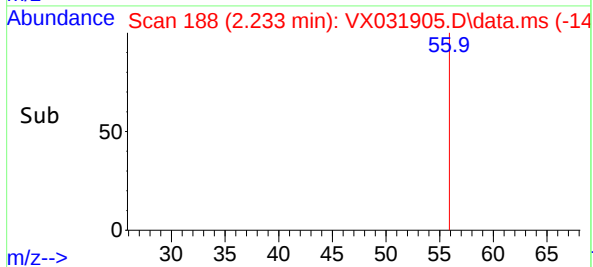
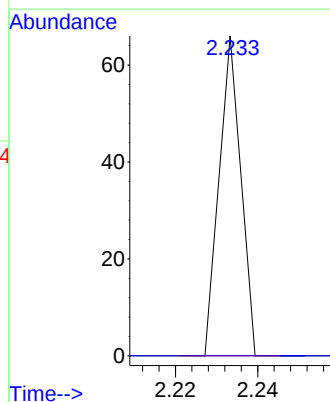
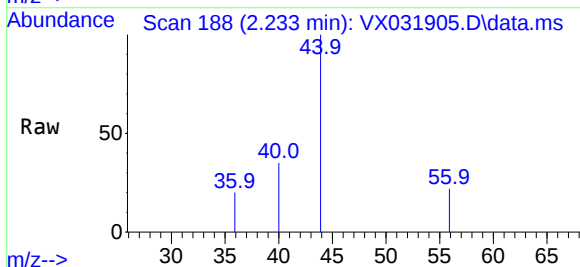


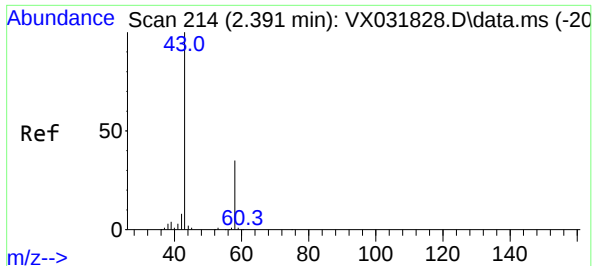
Tgt Ion: 96 Resp: 10762
Ion Ratio Lower Upper
96 100
61 134.6 135.3 202.9#
98 73.0 49.4 74.2



#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

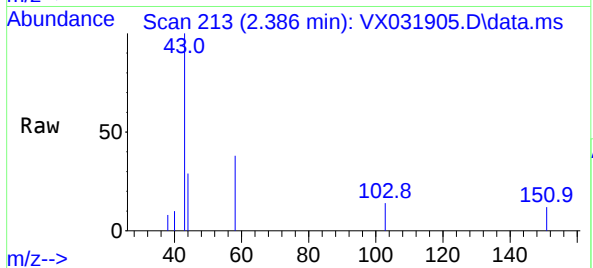
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



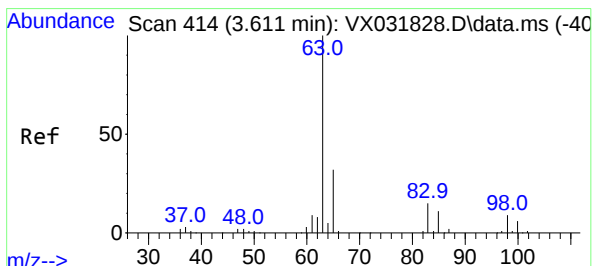
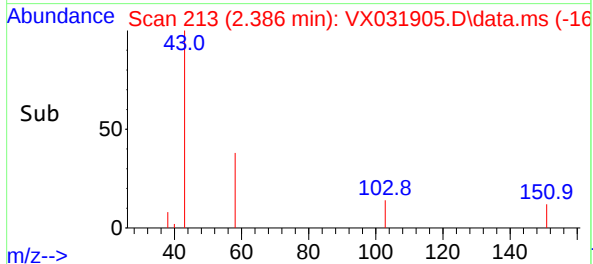
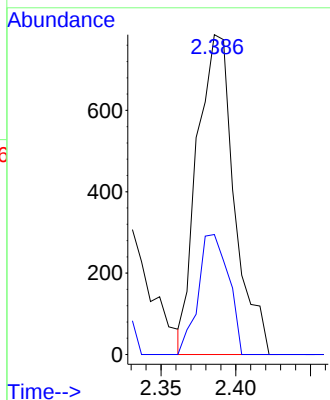


#16
Acetone
Concen: 2.943 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

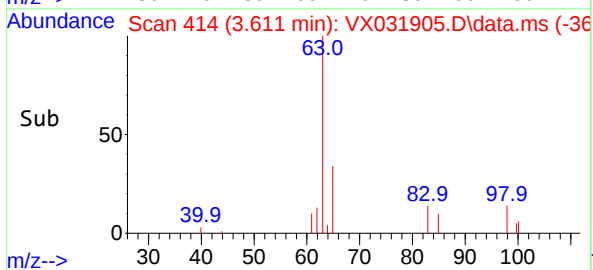
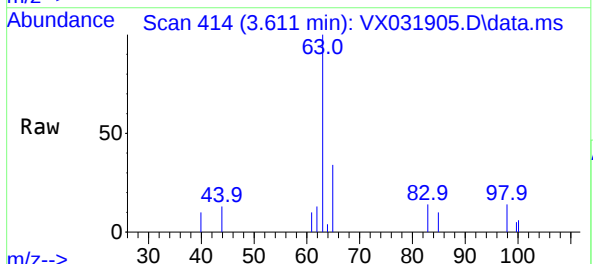
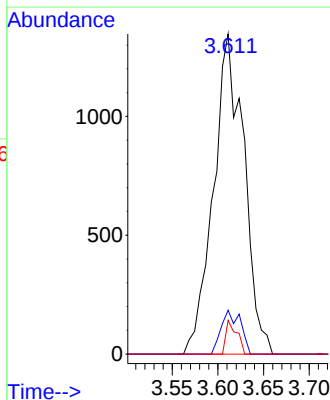


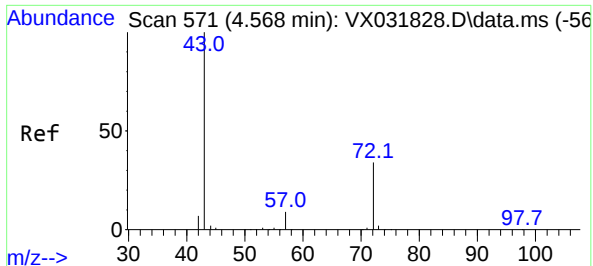
Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 37.5 23.8 35.8#



#24
1,1-Dichloroethane
Concen: 1.415 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 63 Resp: 3131
Ion Ratio Lower Upper
63 100
98 13.7 3.5 10.4#
100 10.5 2.4 7.2#





#25

2-Butanone

Concen: 0.230 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

Instrument :

MSVOA_X

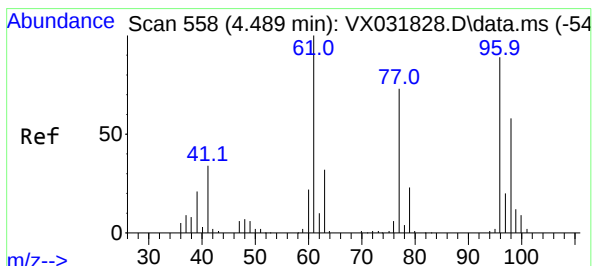
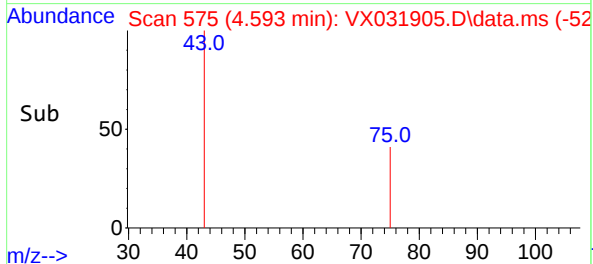
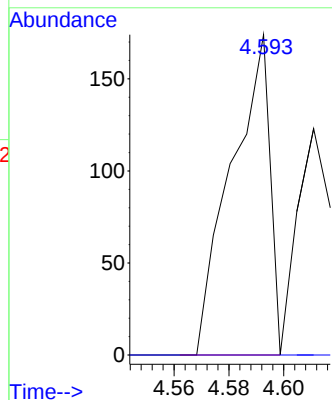
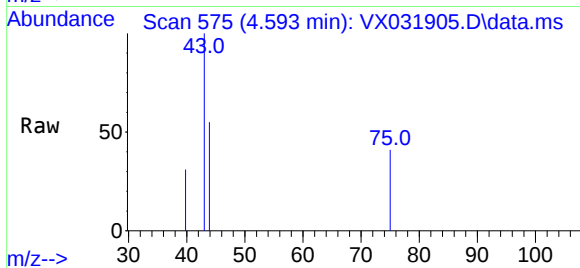
ClientSampleId :

Tgt Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 1.943 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

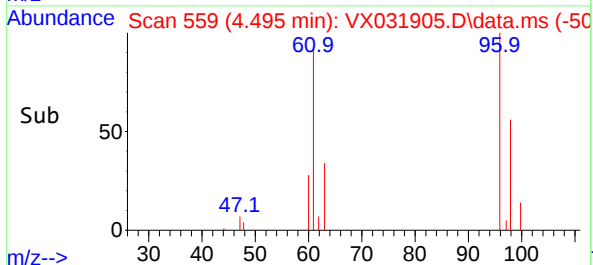
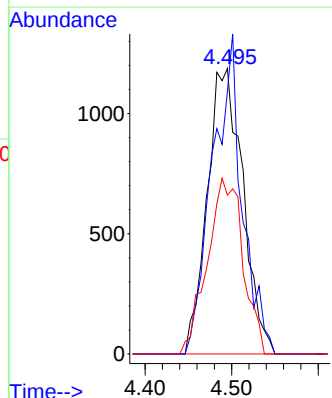
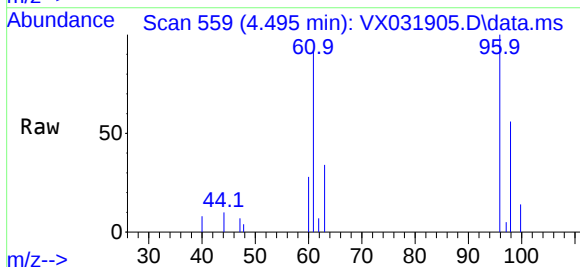
Tgt Ion: 96 Resp: 3386

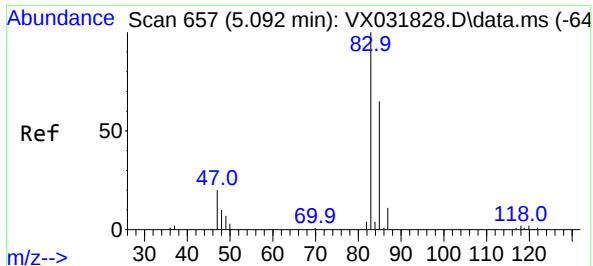
Ion Ratio Lower Upper

96 100

61 93.6 0.0 305.2

98 61.5 0.0 128.4





#30

Chloroform

Concen: 0.775 ug/l

RT: 5.105 min Scan# 6

Delta R.T. 0.013 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

Instrument :

MSVOA_X

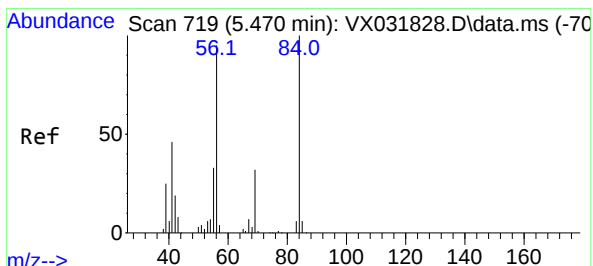
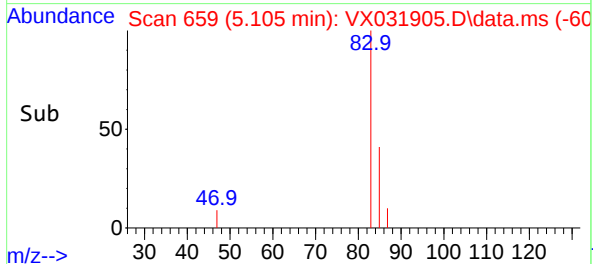
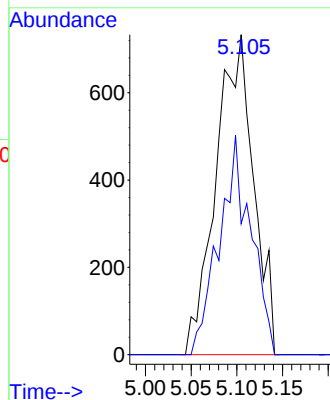
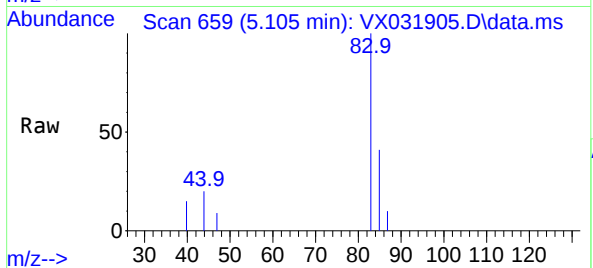
ClientSampleId :

Tgt Ion: 83 Resp: 2103

Ion Ratio Lower Upper

83 100

85 40.9 52.8 79.2#



#31

Cyclohexane

Concen: 0.803 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

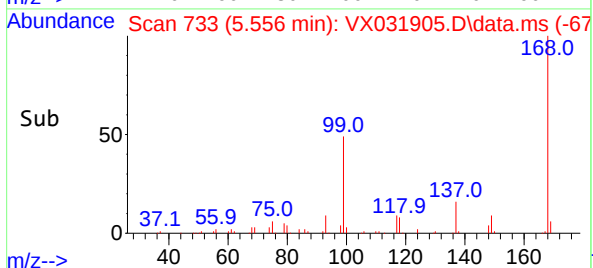
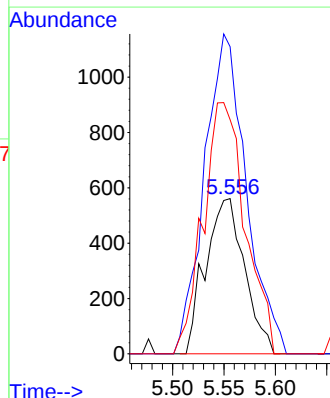
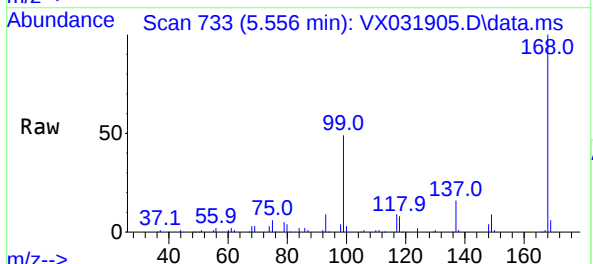
Tgt Ion: 56 Resp: 1478

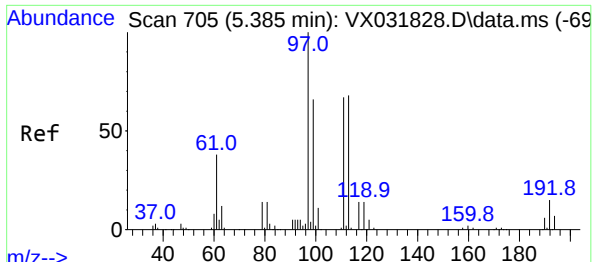
Ion Ratio Lower Upper

56 100

69 186.6 25.1 37.7#

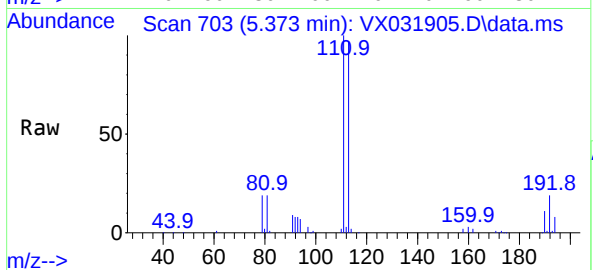
84 150.8 70.2 105.4#



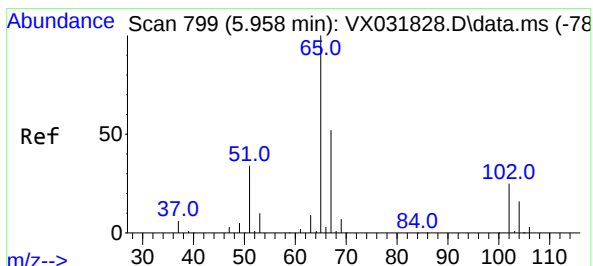
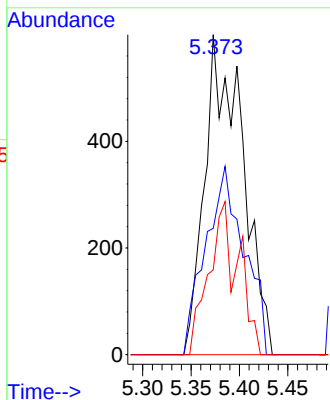
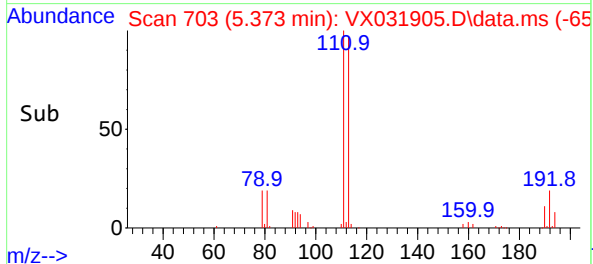


#32
1,1,1-Trichloroethane
Concen: 0.684 ug/l
RT: 5.373 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

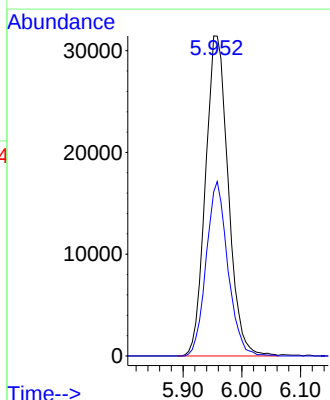
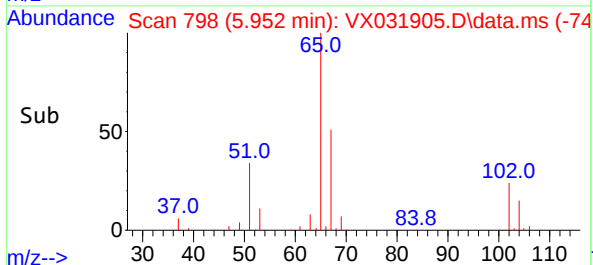
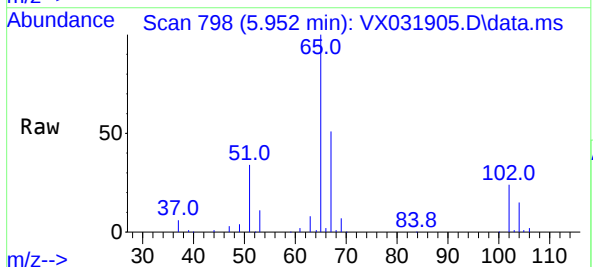


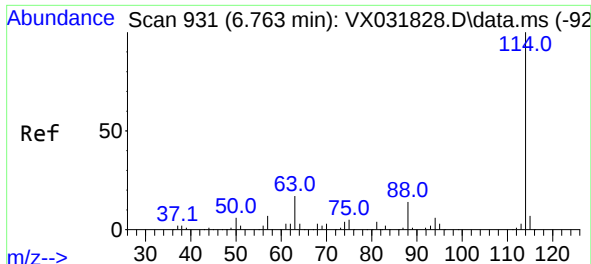
Tgt Ion: 97 Resp: 1633
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 37.6 35.9 53.9



#33
1,2-Dichloroethane-d4
Concen: 53.171 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 65 Resp: 84692
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4

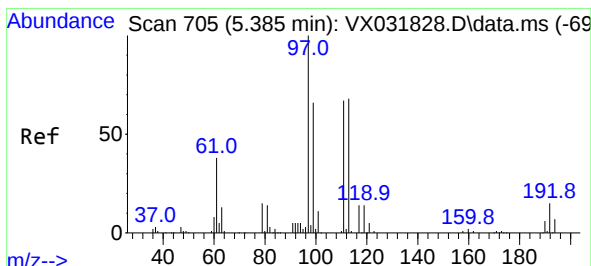
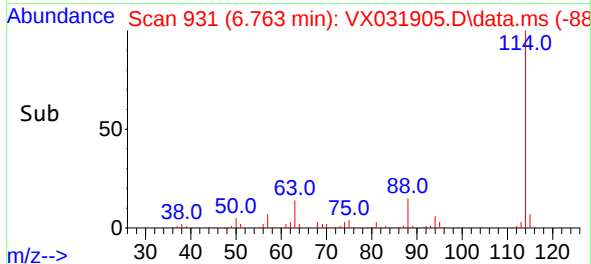
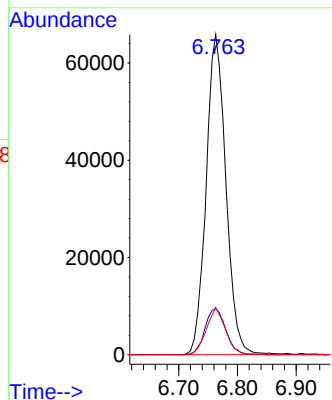
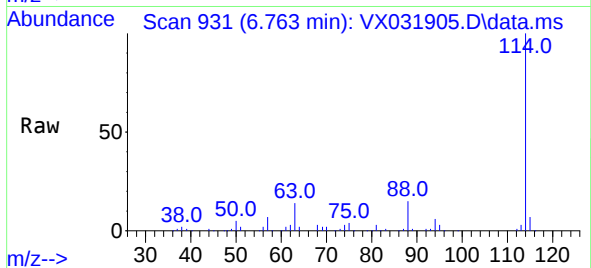




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

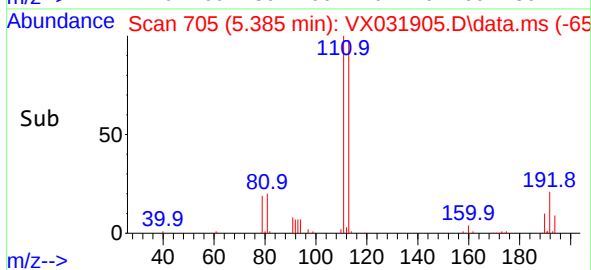
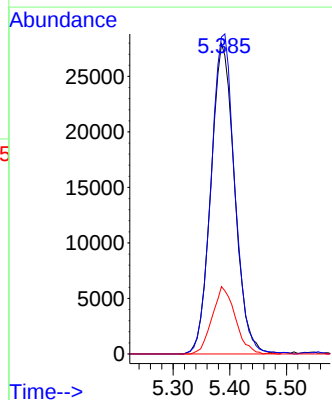
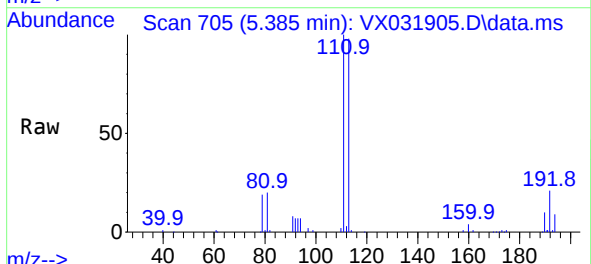
Instrument :
MSVOA_X
ClientSampleId :

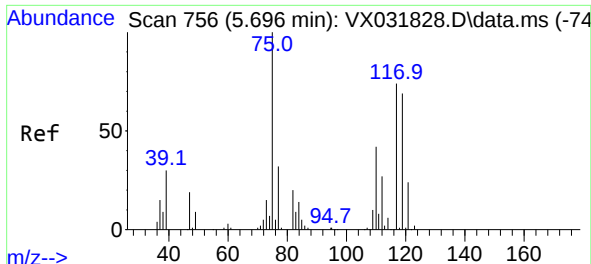
Tgt Ion:114 Resp: 153912
Ion Ratio Lower Upper
114 100
63 14.4 0.0 42.6
88 14.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.242 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

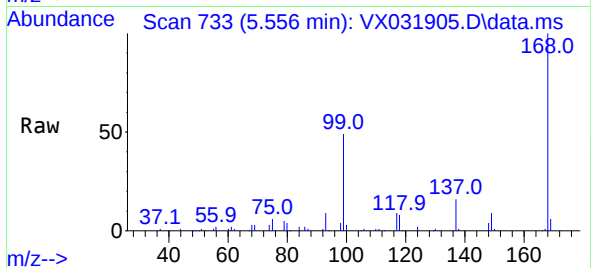
Tgt Ion:113 Resp: 81237
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 21.1 14.1 21.1



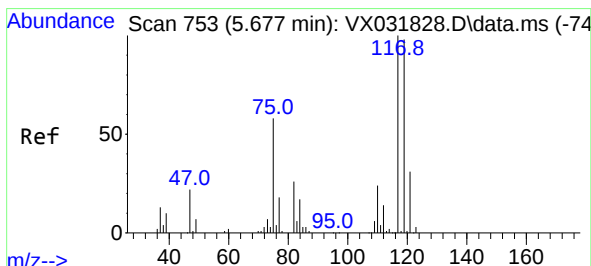
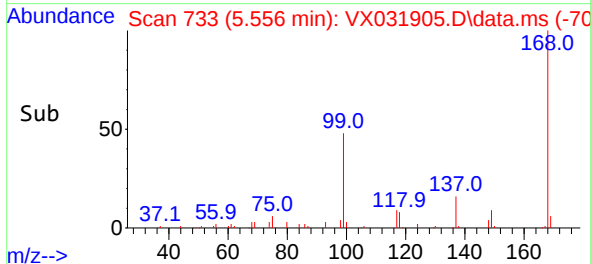
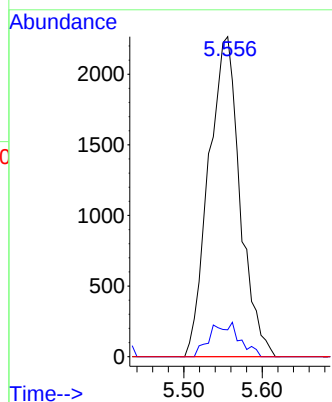


#36
1,1-Dichloropropene
Concen: 3.230 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

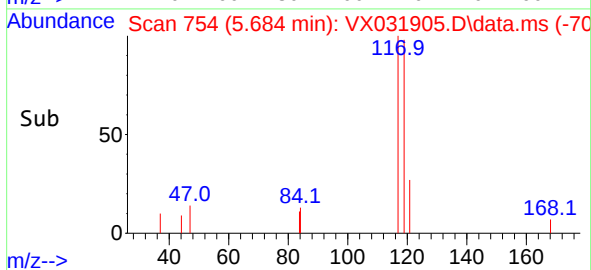
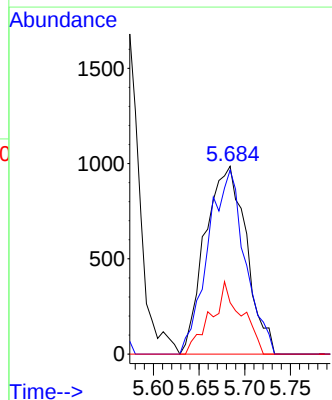
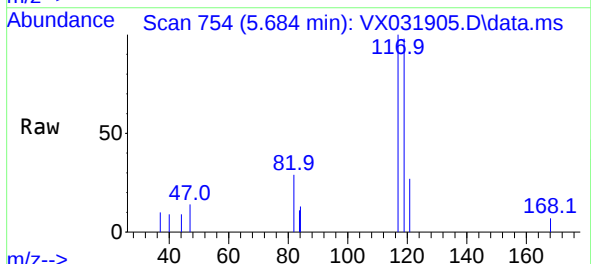


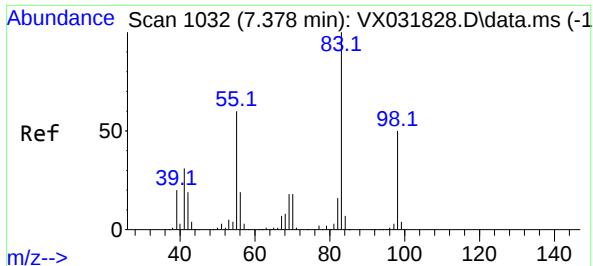
Tgt Ion: 75 Resp: 6314
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 1.345 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 117 Resp: 3095
Ion Ratio Lower Upper
117 100
119 98.0 74.6 112.0
121 27.4 25.3 37.9





#39

Methylcyclohexane

Concen: 5.096 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

Instrument :

MSVOA_X

ClientSampleId :

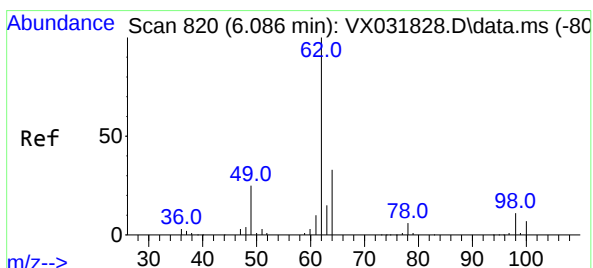
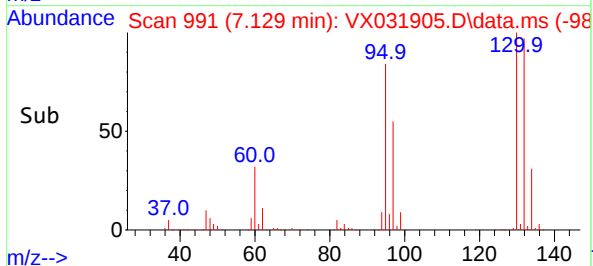
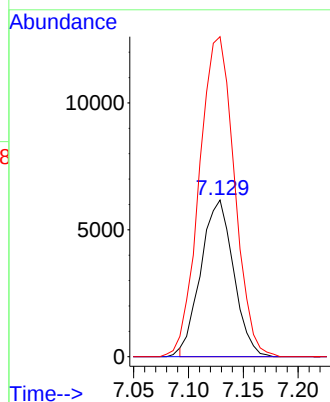
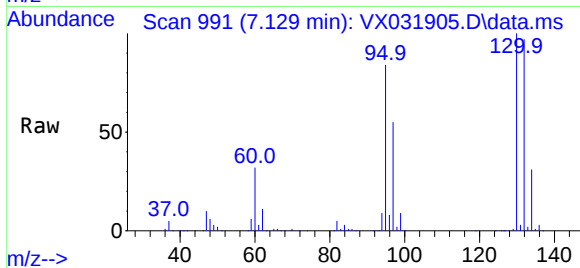
Tgt Ion: 83 Resp: 12763

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.4#

98 204.2 37.7 56.5#



#42

1,2-Dichloroethane

Concen: 0.346 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX031905.D

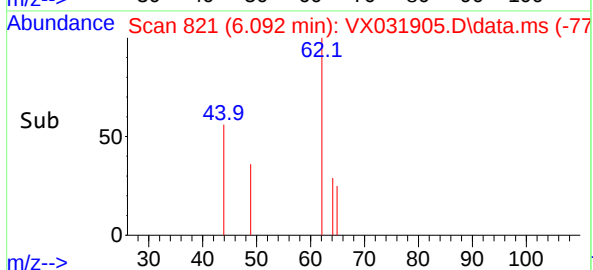
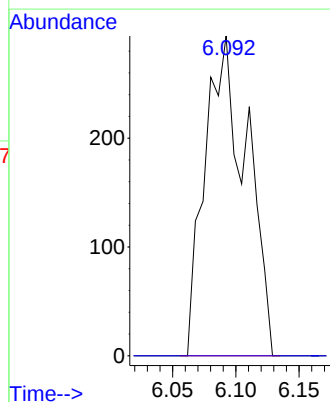
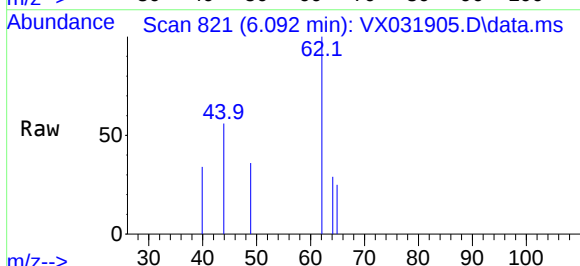
Acq: 05 Oct 2022 19:12

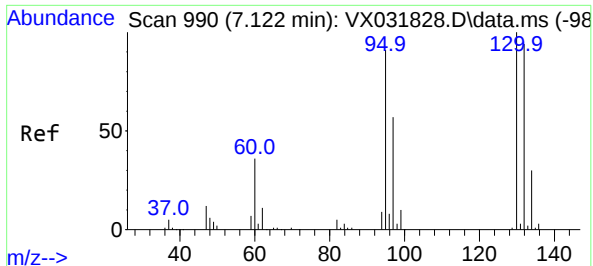
Tgt Ion: 62 Resp: 675

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8

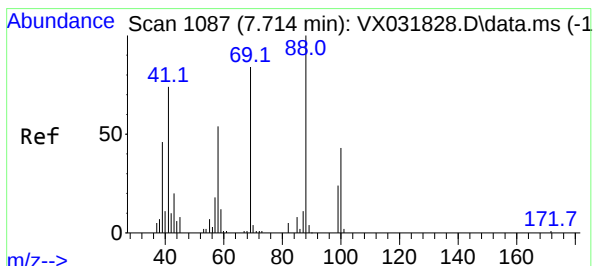
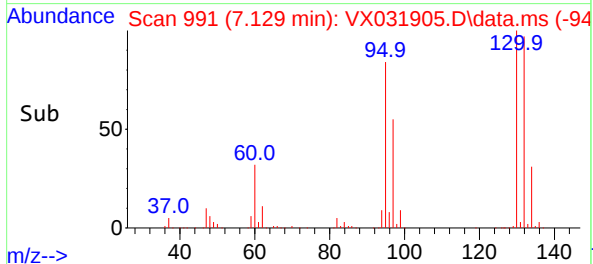
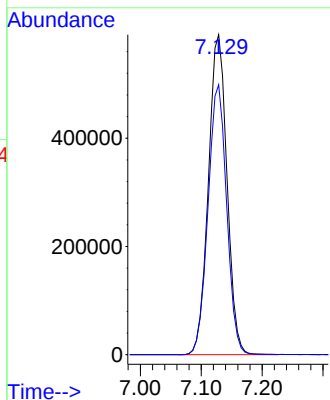
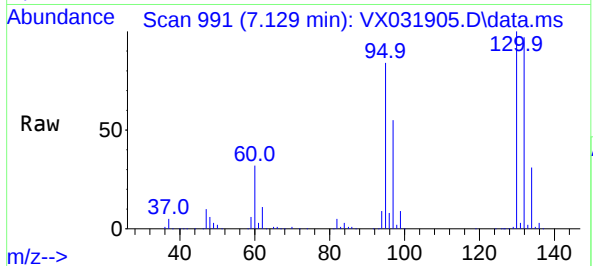




#44
Trichloroethene
Concen: 626.050 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

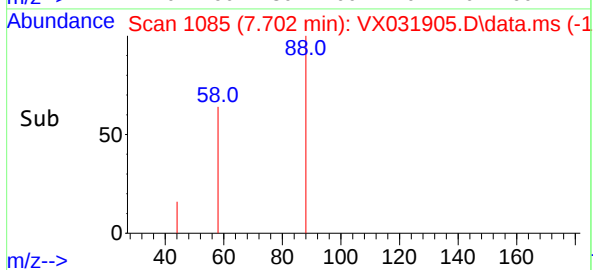
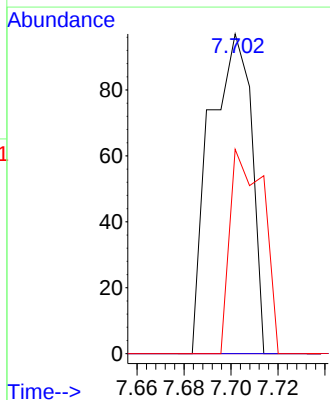
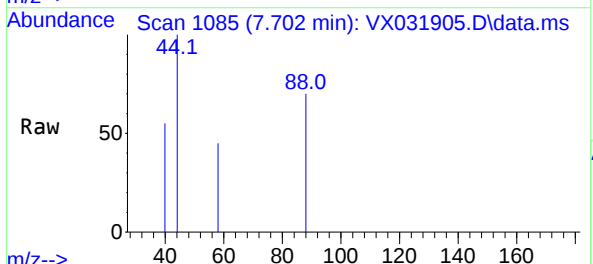
Instrument :
MSVOA_X
ClientSampleId :

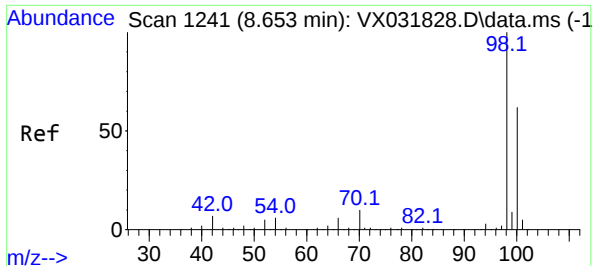
Tgt Ion:130 Resp: 1252298
Ion Ratio Lower Upper
130 100
95 84.4 0.0 206.8



#49
1,4-Dioxane
Concen: 3.213 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.012 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 51.3 53.9 80.9#

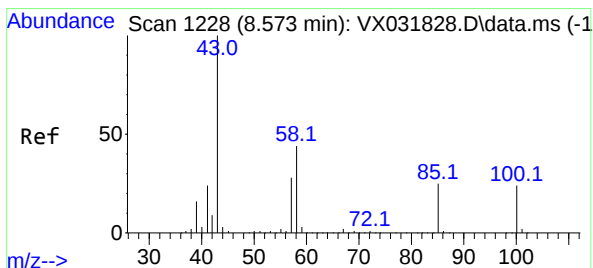
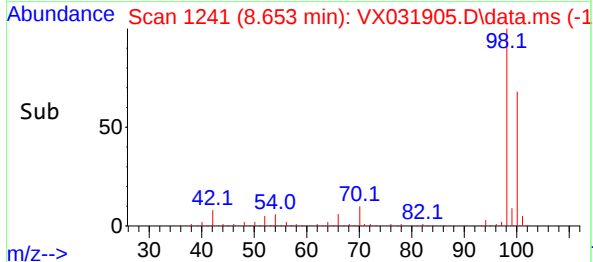
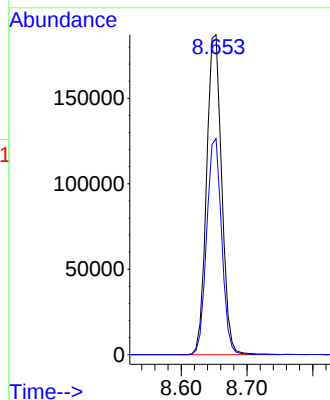
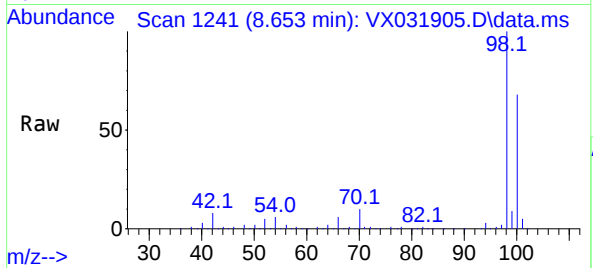




#50
Toluene-d8
Concen: 50.222 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

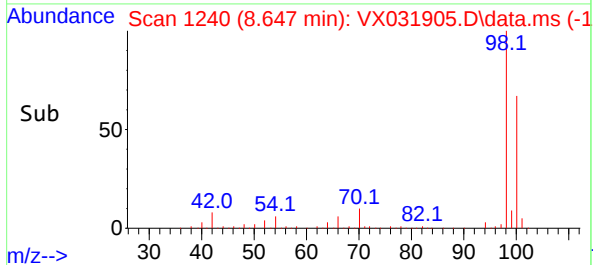
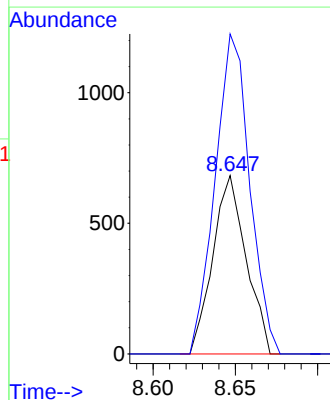
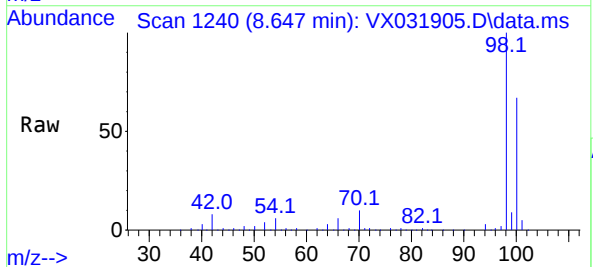
Instrument :
MSVOA_X
ClientSampleId :

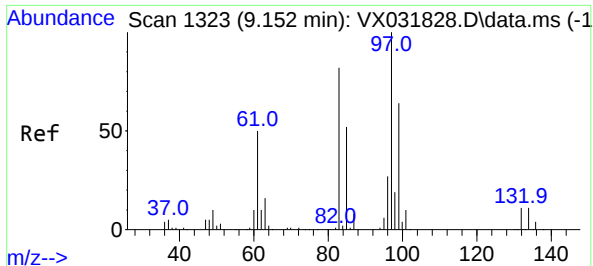
Tgt Ion: 98 Resp: 299570
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.619 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
58 186.6 30.6 46.0#





#55

1,1,2-Trichloroethane

Concen: 0.803 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

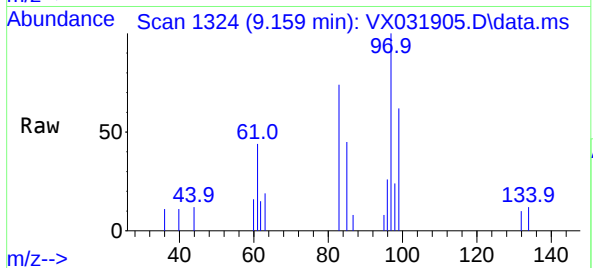
Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 1375

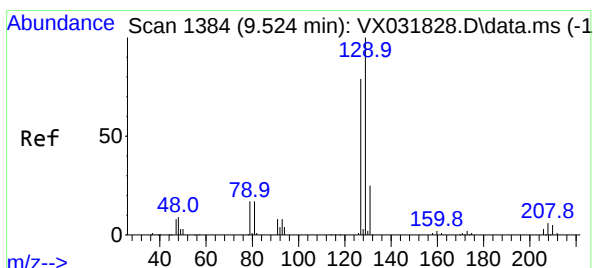
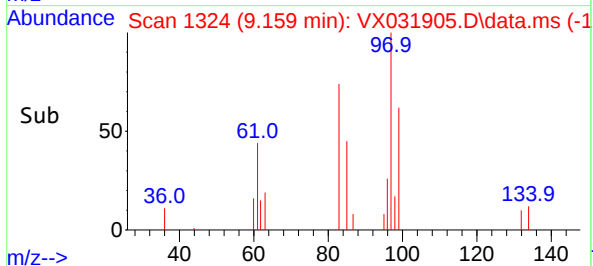
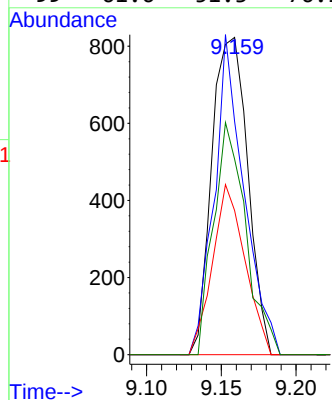
Ion Ratio Lower Upper

97 100

83 73.5 69.0 103.6

85 45.4 44.1 66.1

99 61.6 51.3 76.9



#60

Dibromochloromethane

Concen: 1.257 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX031905.D

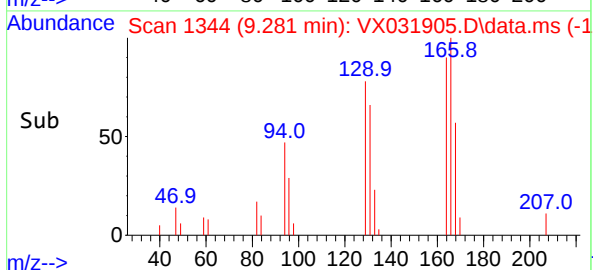
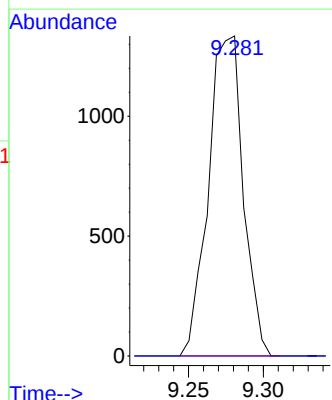
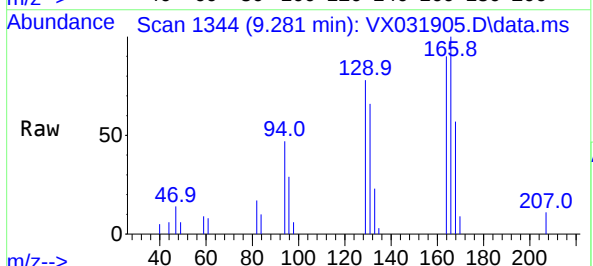
Acq: 05 Oct 2022 19:12

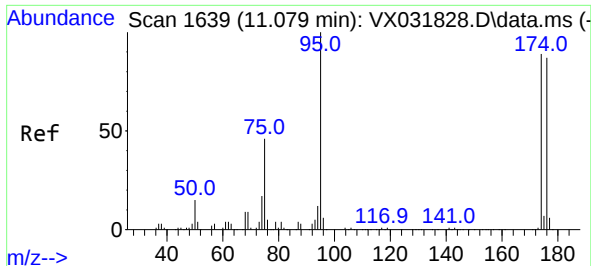
Tgt Ion: 129 Resp: 2165

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 47.498 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031905.D

Acq: 05 Oct 2022 19:12

Instrument :

MSVOA_X

ClientSampleId :

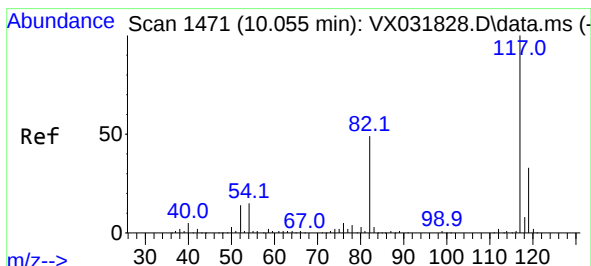
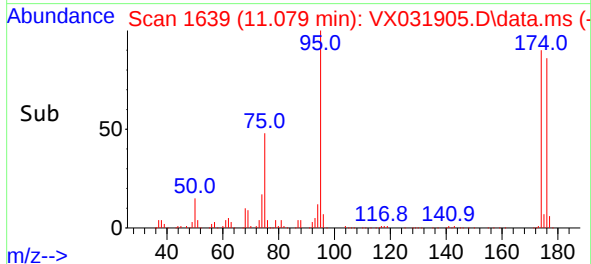
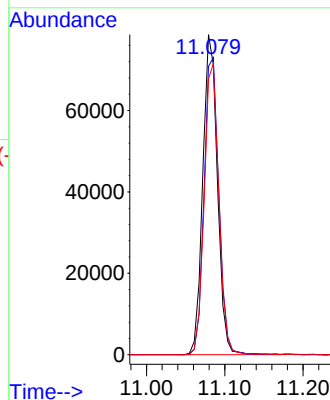
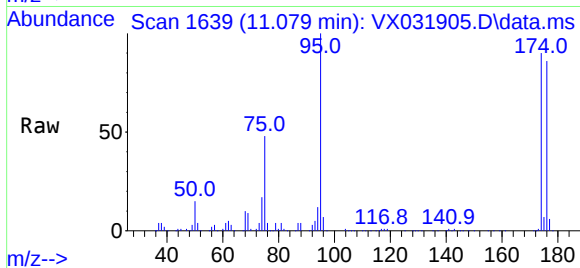
Tgt Ion: 95 Resp: 101913

Ion Ratio Lower Upper

95 100

174 93.8 0.0 153.2

176 90.8 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: VX031905.D

Acq: 05 Oct 2022 19:12

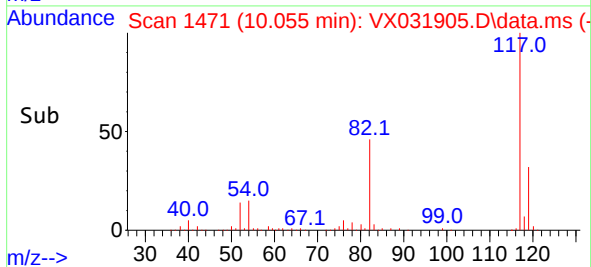
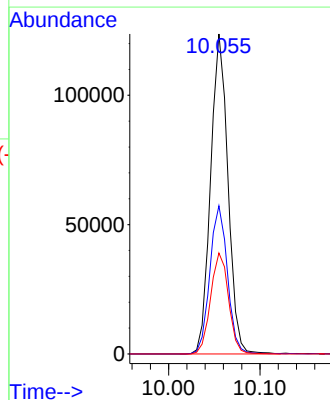
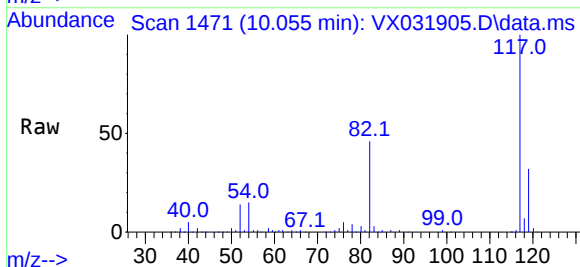
Tgt Ion: 117 Resp: 162817

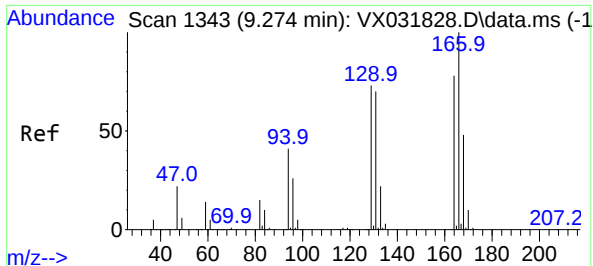
Ion Ratio Lower Upper

117 100

82 46.3 46.8 70.2#

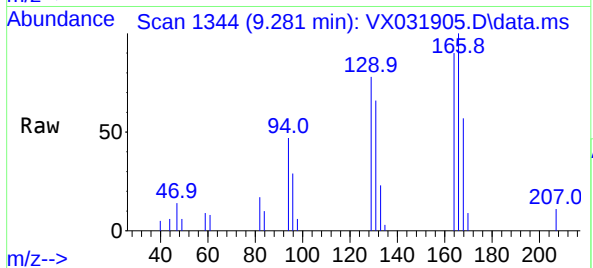
119 31.6 26.4 39.6



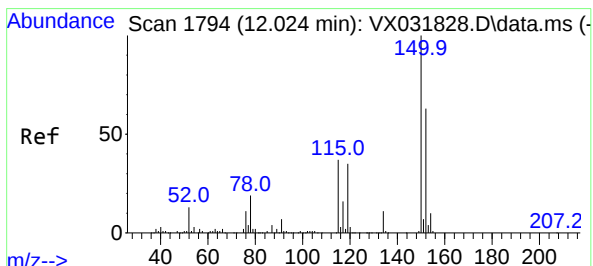
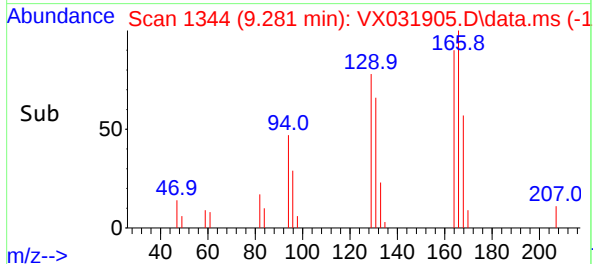
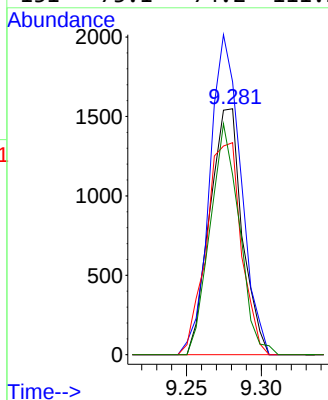


#64
Tetrachloroethene
Concen: 1.169 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

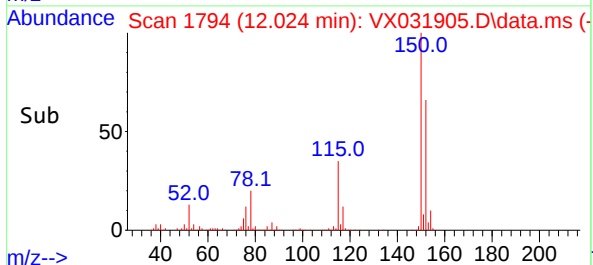
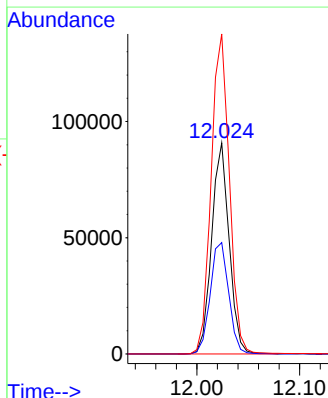
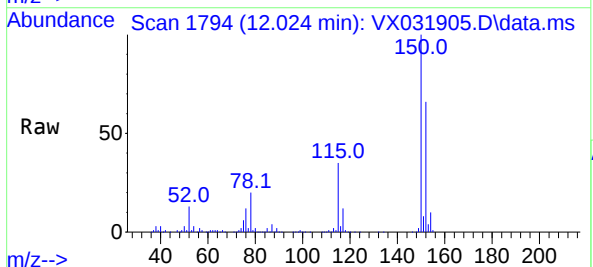


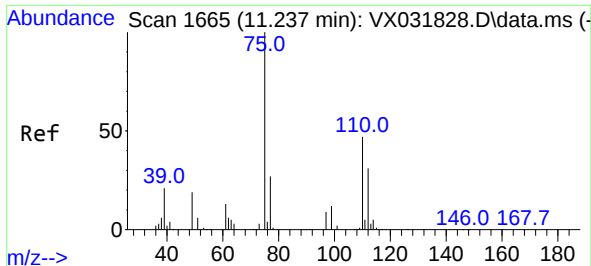
Tgt Ion:164 Resp: 2341
Ion Ratio Lower Upper
164 100
166 110.9 99.0 148.4
129 86.2 78.0 117.0
131 73.1 74.2 111.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion:152 Resp: 107067
Ion Ratio Lower Upper
152 100
115 55.9 43.4 130.1
150 157.8 0.0 346.8

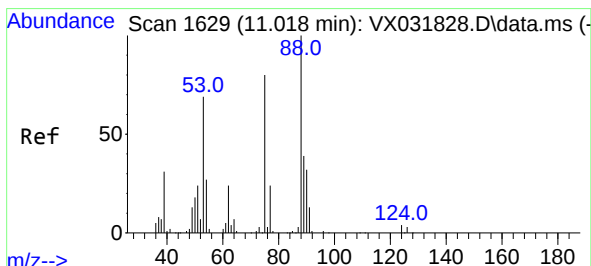
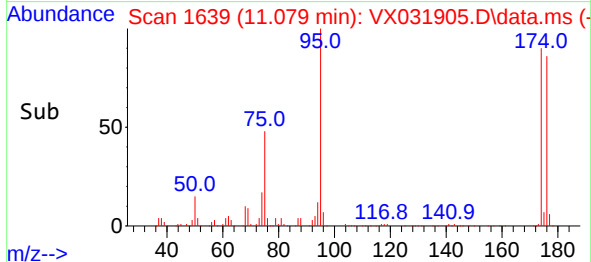
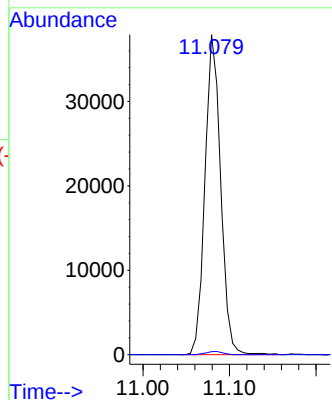
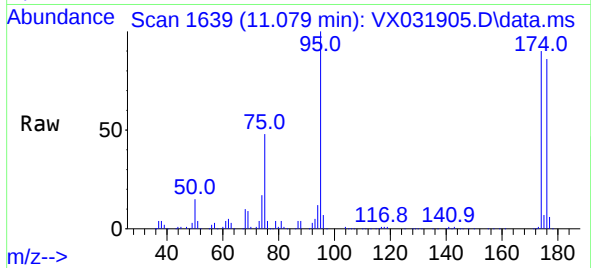




#76
1,2,3-Trichloropropane
Concen: 28.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 47744
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031905.D
Acq: 05 Oct 2022 19:12

Tgt Ion: 75 Resp: 47744
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

