

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031098.D
 Acq On : 03 Sep 2022 21:21
 Operator : JC/MD
 Sample : N4357-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20220823

Quant Time: Sep 06 00:17:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

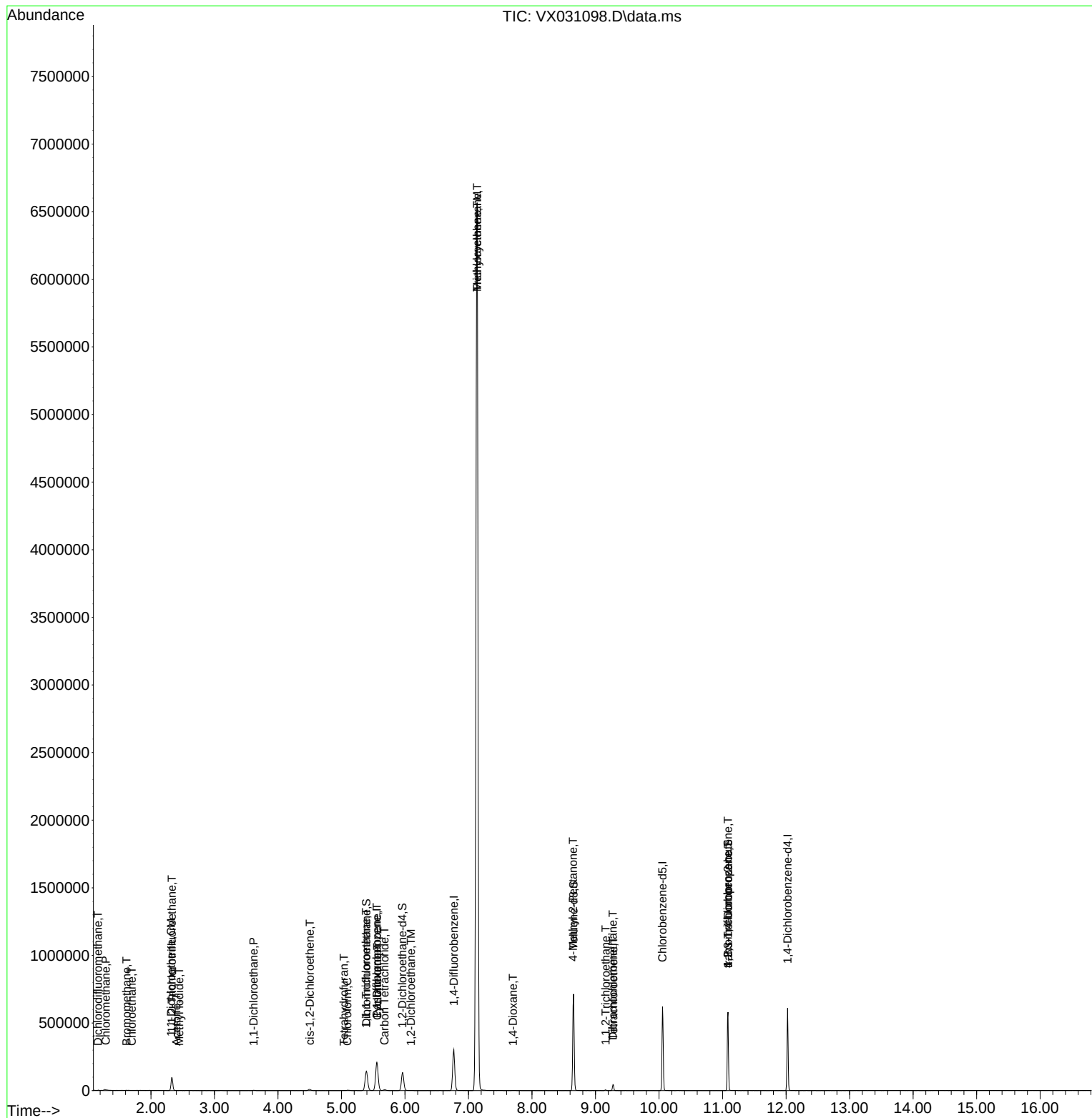
Internal Standards						
1) Pentafluorobenzene	5.555	168	209493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	328546	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	301047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134054	49.732	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.460%
35) Dibromofluoromethane	5.391	113	128582	53.629	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.260%
50) Toluene-d8	8.652	98	450091	51.007	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.020%
62) 4-Bromofluorobenzene	11.085	95	154847	49.684	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	622	0.289	ug/l	93
3) Chloromethane	1.288	50	363	0.874	ug/l #	42
5) Bromomethane	1.617	94	221	0.220	ug/l #	70
6) Chloroethane	1.696	64	436	1.994	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.330	101	32792	13.012	ug/l	90
10) Methyl Iodide	2.446	142	560	3.125	ug/l #	86
12) 1,1-Dichloroethene	2.318	96	8248	3.389	ug/l	94
16) Acetone	2.398	43	817	0.785	ug/l #	65
20) Methylene Chloride	2.794	84	205	Below Cal	#	34
24) 1,1-Dichloroethane	3.617	63	2606	0.594	ug/l #	89
27) cis-1,2-Dichloroethene	4.501	96	6254	2.060	ug/l	85
29) Tetrahydrofuran	5.037	42	282	0.272	ug/l #	50
30) Chloroform	5.092	83	4379	0.910	ug/l	86
31) Cyclohexane	5.562	56	3352	0.910	ug/l #	21
32) 1,1,1-Trichloroethane	5.385	97	919	0.223	ug/l #	47
36) 1,1-Dichloropropene	5.555	75	13497	4.019	ug/l #	50
38) Carbon Tetrachloride	5.677	117	6039	1.732	ug/l #	92
39) Methylcyclohexane	7.134	83	29583	7.108	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	804	0.253	ug/l #	73
44) Trichloroethene	7.134	130	2792034	914.865	ug/l	95
49) 1,4-Dioxane	7.701	88	1478	21.106	ug/l #	58
51) 4-Methyl-2-Pentanone	8.646	43	1546	0.527	ug/l #	1
55) 1,1,2-Trichloroethane	9.158	97	1886	0.709	ug/l #	84
60) Dibromochloromethane	9.274	129	8687	3.147	ug/l #	11
64) Tetrachloroethene	9.280	164	8807	2.930	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	71728	22.910	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71728	72.000	ug/l #	12

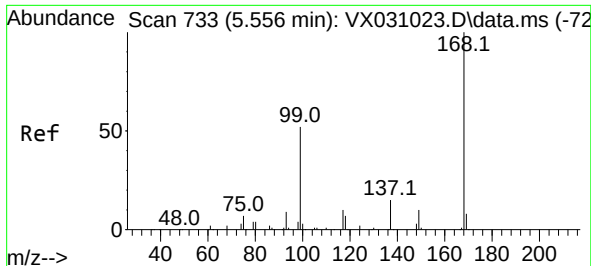
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
Data File : VX031098.D
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Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

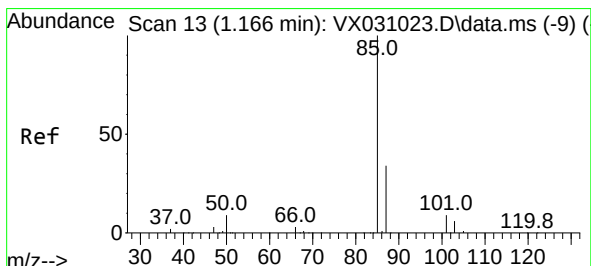
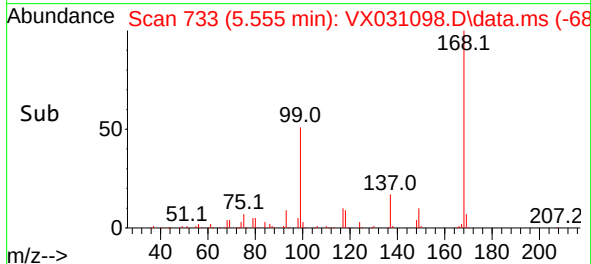
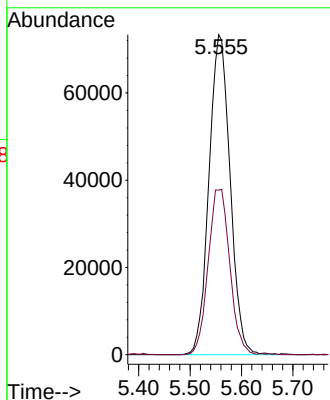
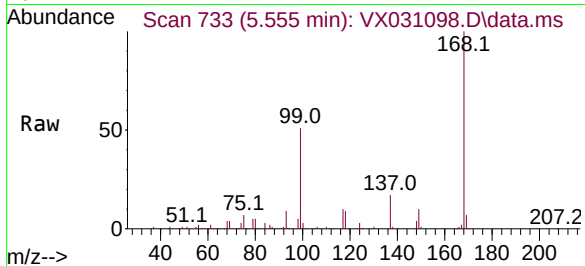




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

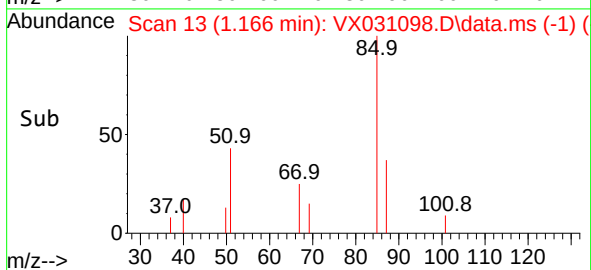
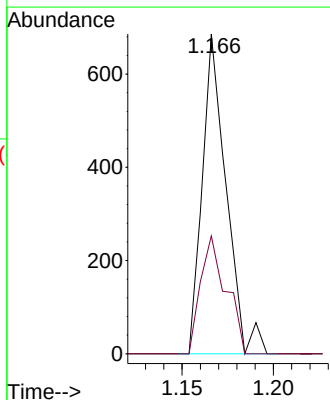
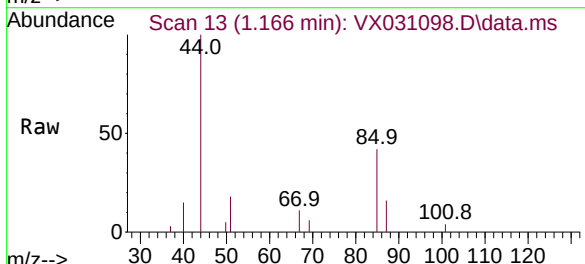
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

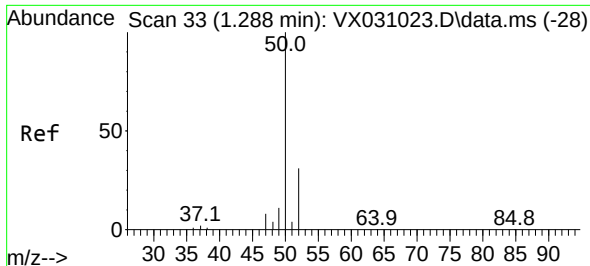
Tgt Ion:168 Resp: 209493
Ion Ratio Lower Upper
168 100
99 51.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.289 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 85 Resp: 622
Ion Ratio Lower Upper
85 100
87 36.9 16.5 49.5

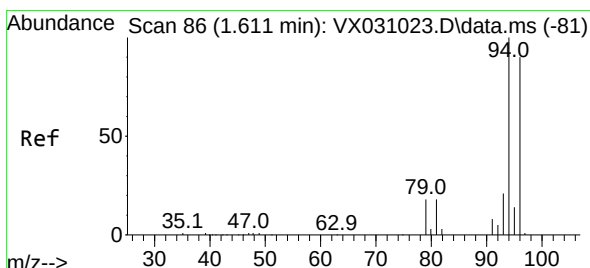
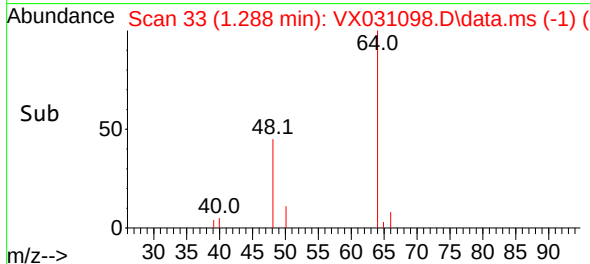
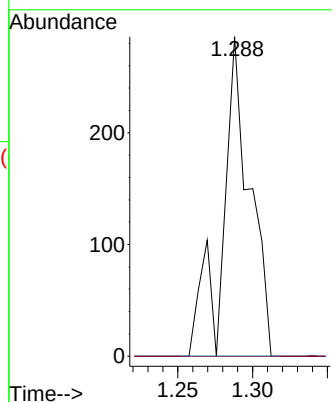
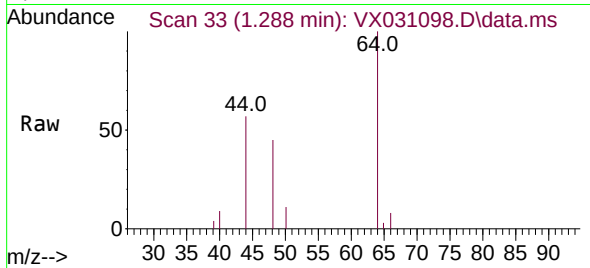




#3
Chloromethane
Concen: 0.874 ug/l
RT: 1.288 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

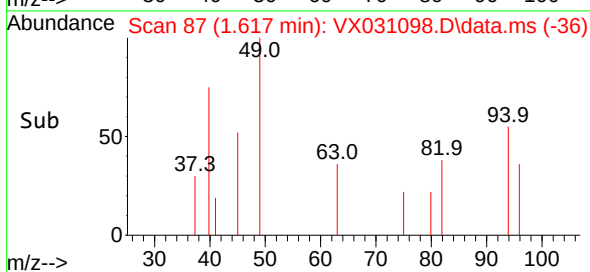
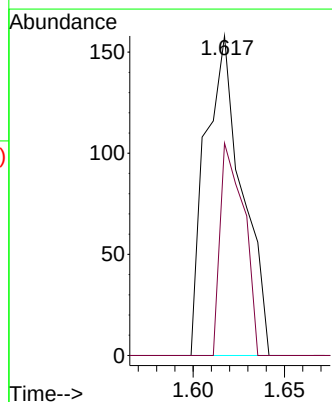
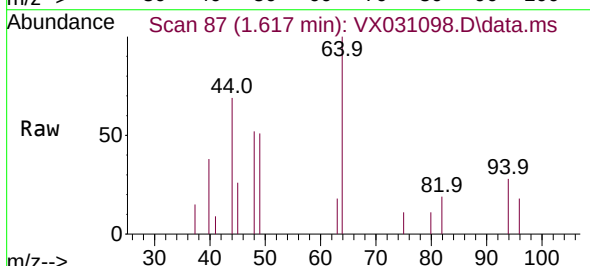
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

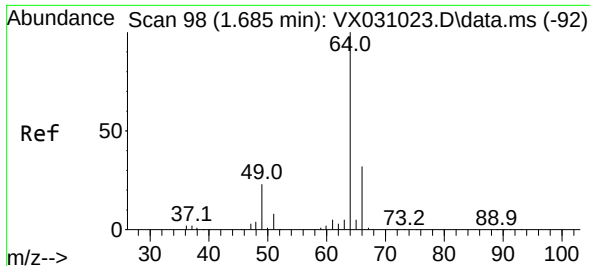
Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 66.5 76.9 115.3#

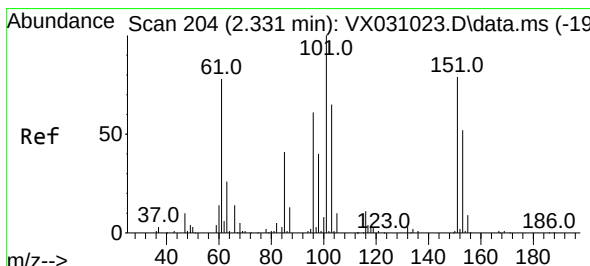
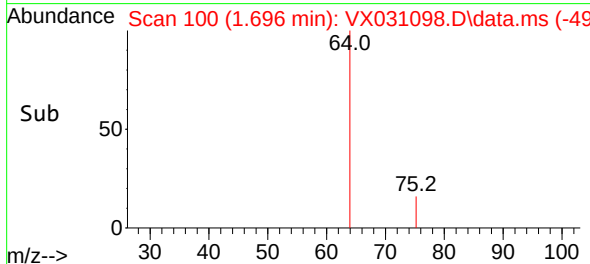
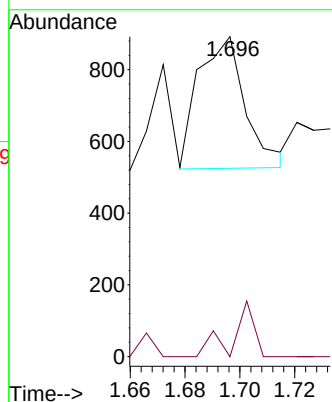
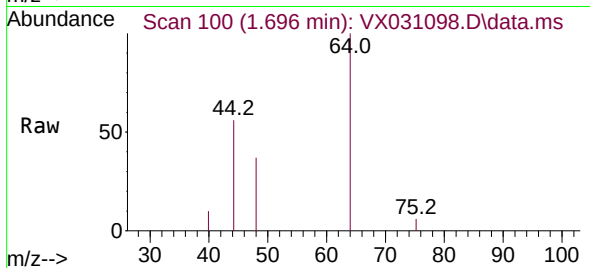




#6
Chloroethane
Concen: 1.994 ug/l
RT: 1.696 min Scan# 100
Delta R.T. 0.011 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

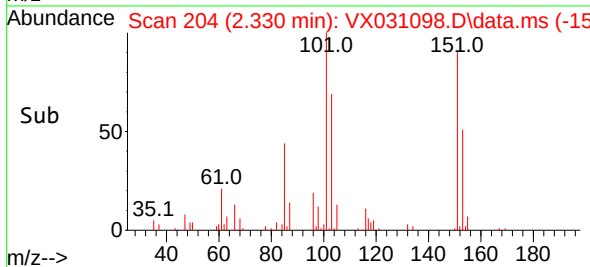
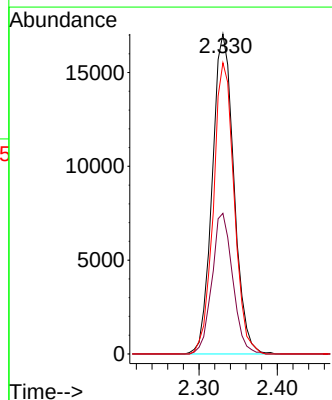
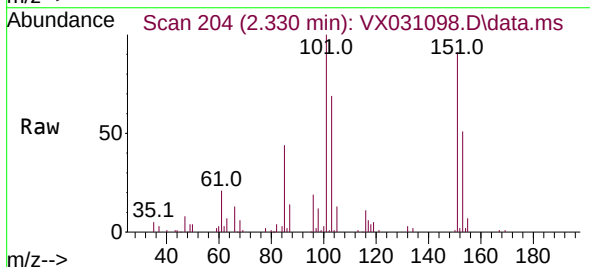
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

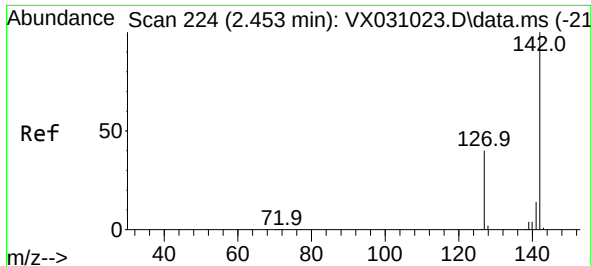
Tgt Ion: 64 Resp: 436
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.012 ug/l
RT: 2.330 min Scan# 204
Delta R.T. 0.005 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 101 Resp: 32792
Ion Ratio Lower Upper
101 100
85 42.0 34.0 51.0
151 87.1 59.4 89.0

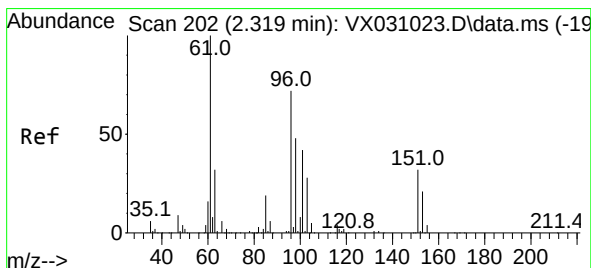
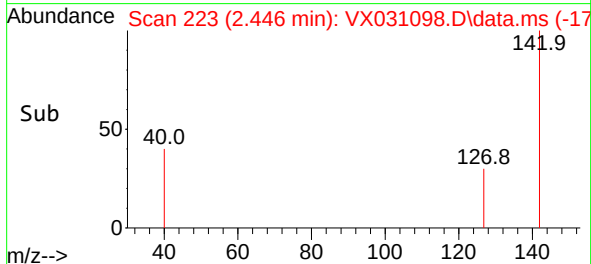
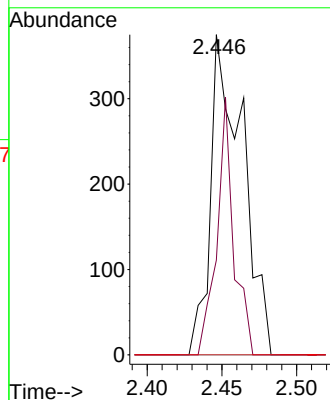
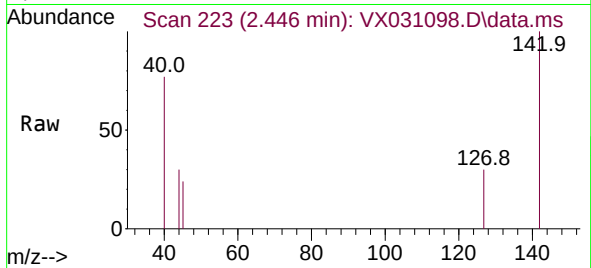




#10
Methyl Iodide
Concen: 3.125 ug/l
RT: 2.446 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

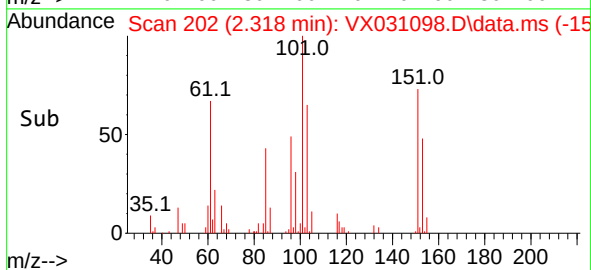
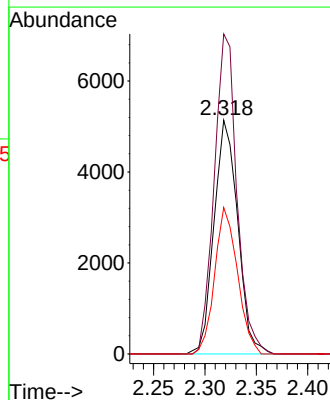
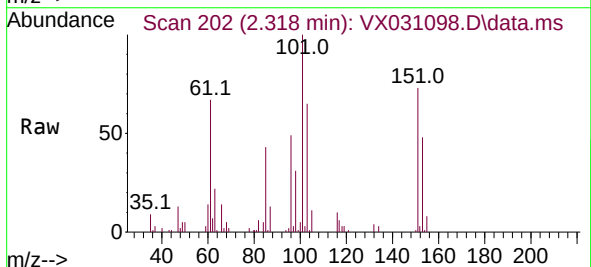
Instrument :
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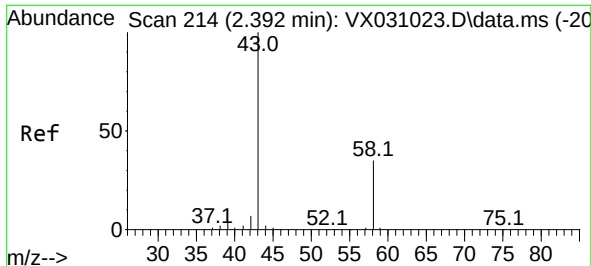
Tgt Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
127 41.6 30.2 45.2
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 3.389 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 96 Resp: 8248
Ion Ratio Lower Upper
96 100
61 136.9 117.4 176.0
98 62.6 52.2 78.4

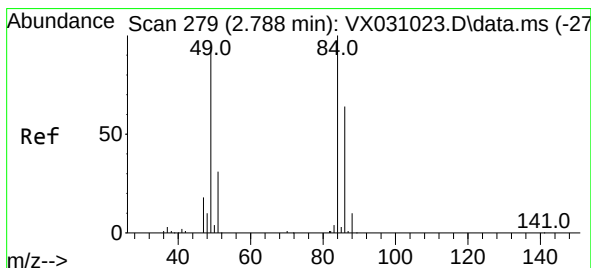
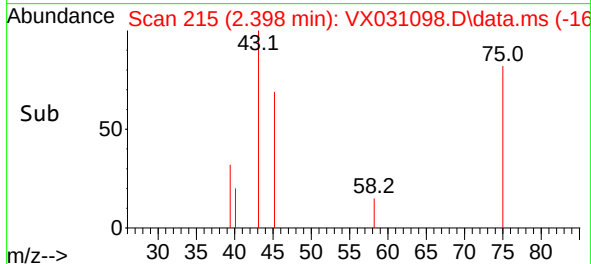
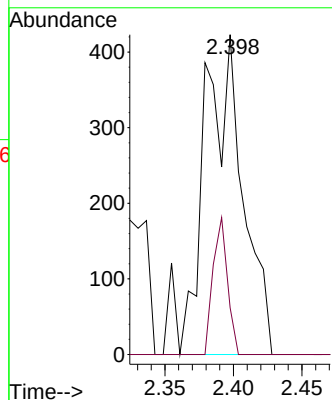
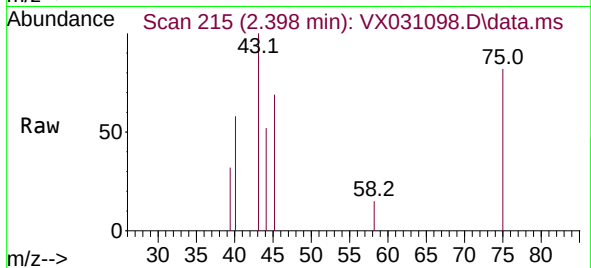




#16
Acetone
Concen: 0.785 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.011 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

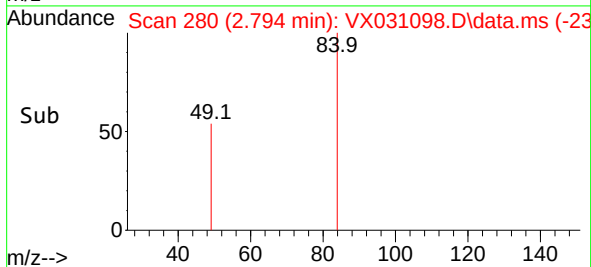
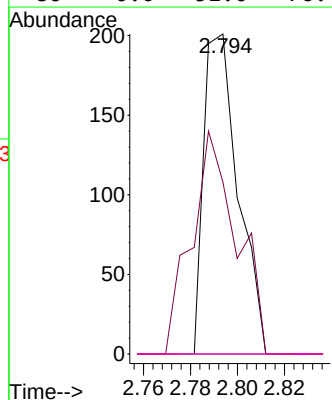
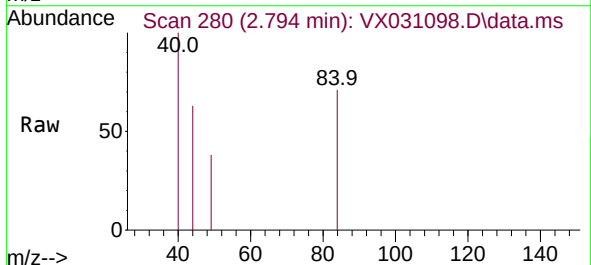
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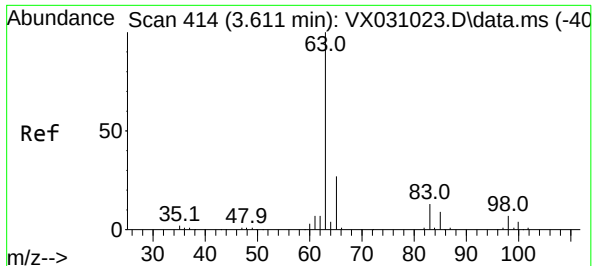
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 14.7 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 84 Resp: 205
Ion Ratio Lower Upper
84 100
49 53.7 93.8 140.6#
51 0.0 29.4 44.0#
86 0.0 51.0 76.4#

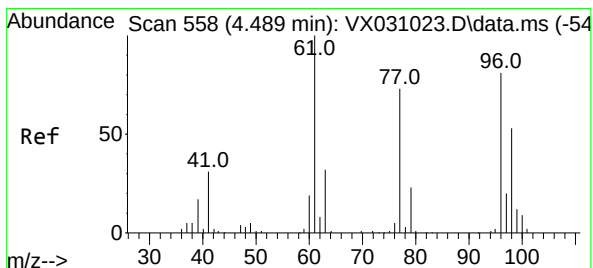
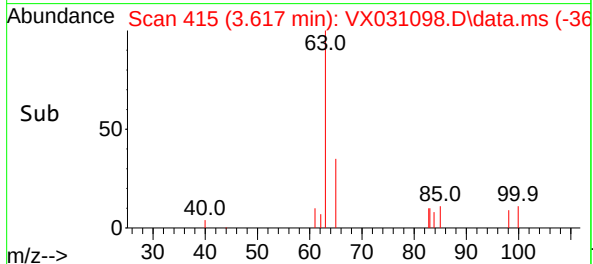
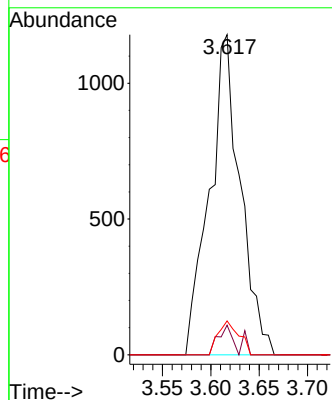
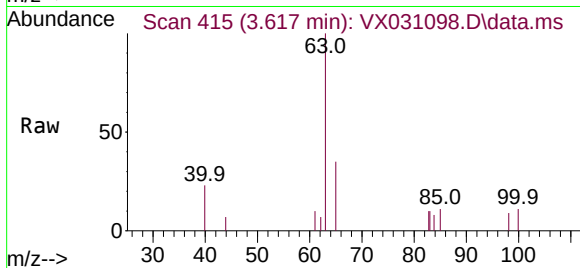




#24
1,1-Dichloroethane
Concen: 0.594 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

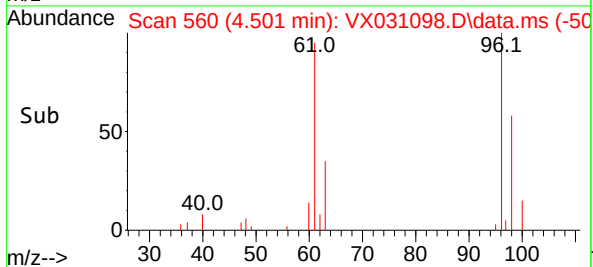
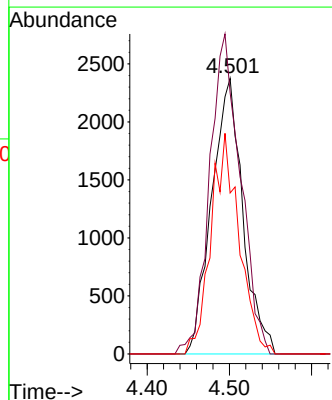
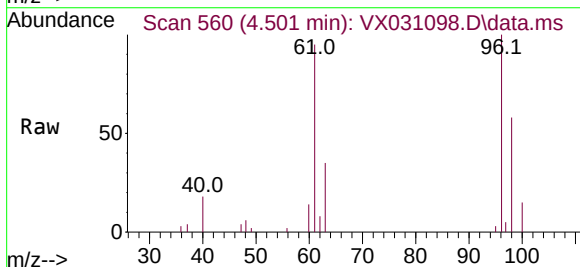
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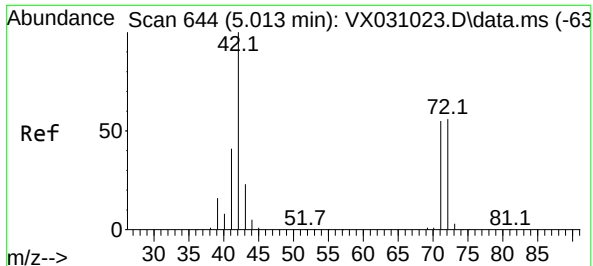
Tgt Ion: 63 Resp: 2606
Ion Ratio Lower Upper
63 100
98 9.2 3.5 10.5
100 10.6 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 2.060 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 96 Resp: 6254
Ion Ratio Lower Upper
96 100
61 114.9 0.0 270.0
98 72.4 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX031098.D

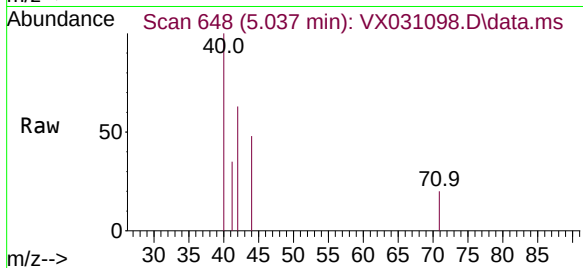
Acq: 03 Sep 2022 21:21

Instrument :

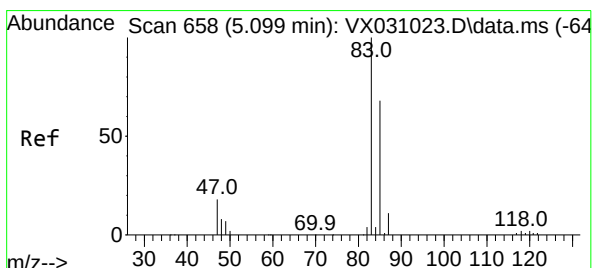
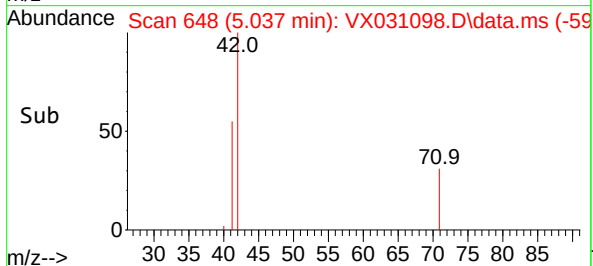
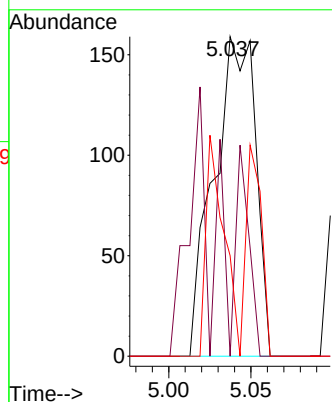
MSVOA_X

ClientSampleId :

DUP07-20220823



Tgt Ion: 42	Resp: 282
Ion Ratio	Lower Upper
42 100	
72 0.0	36.5 54.7#
71 24.1	33.9 50.9#



#30

Chloroform

Concen: 0.910 ug/l

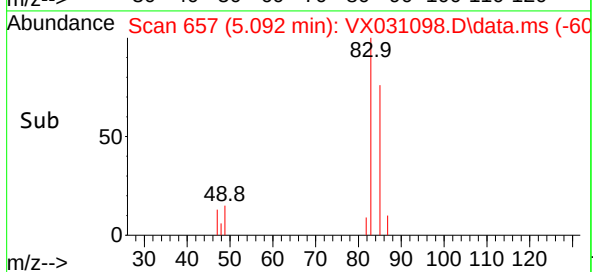
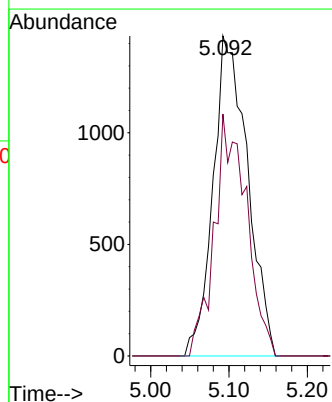
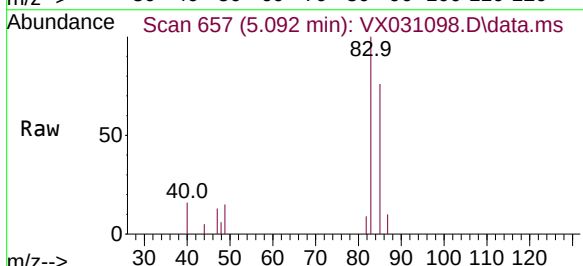
RT: 5.092 min Scan# 657

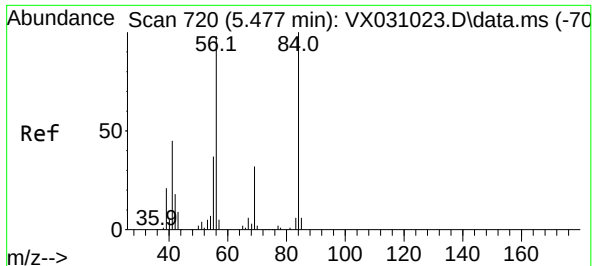
Delta R.T. -0.007 min

Lab File: VX031098.D

Acq: 03 Sep 2022 21:21

Tgt Ion: 83	Resp: 4379
Ion Ratio	Lower Upper
83 100	
85 75.6	51.5 77.3

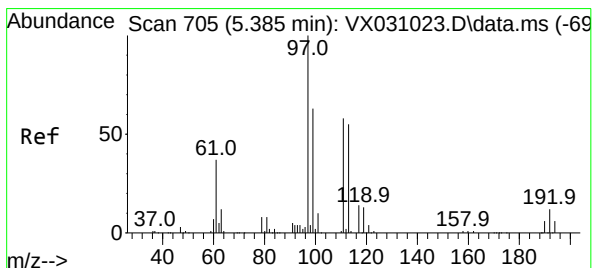
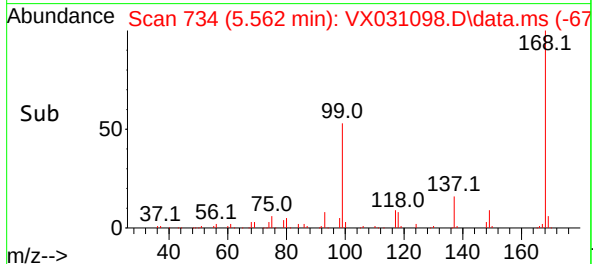
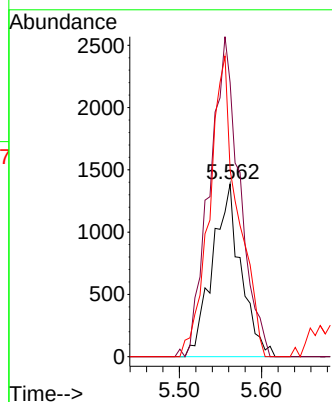
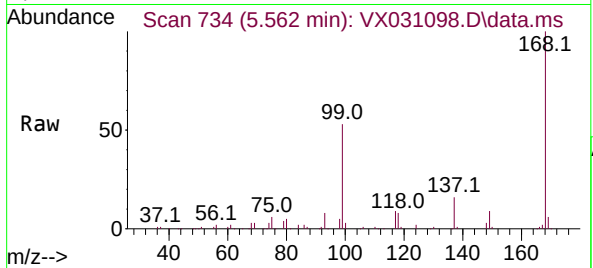




#31
Cyclohexane
Concen: 0.910 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

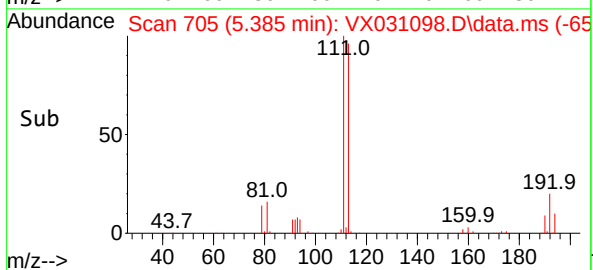
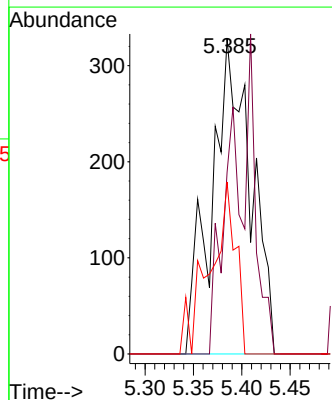
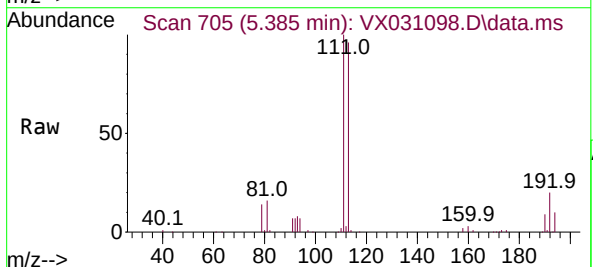
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

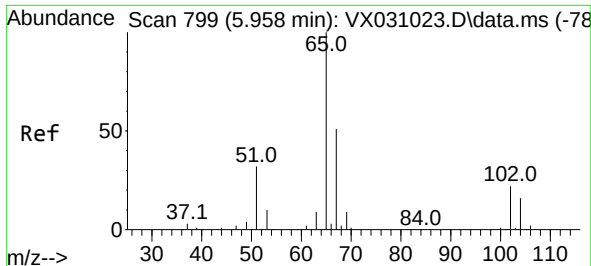
Tgt Ion: 56 Resp: 3352
Ion Ratio Lower Upper
56 100
69 158.6 25.4 38.0#
84 108.1 68.9 103.3#



#32
1,1,1-Trichloroethane
Concen: 0.223 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 97 Resp: 919
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 36.6 35.8 53.8

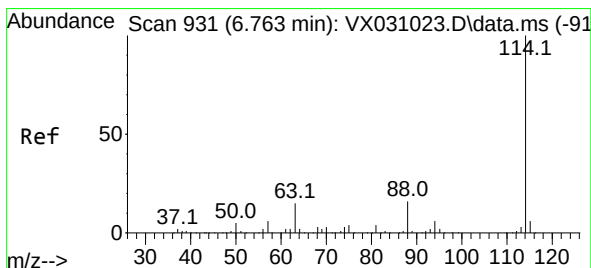
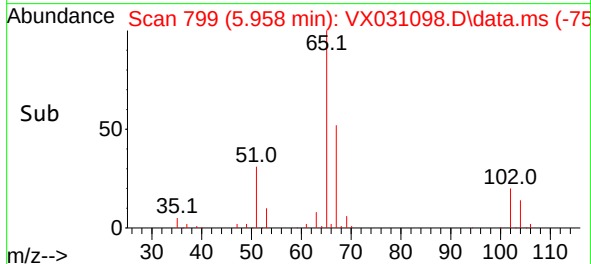
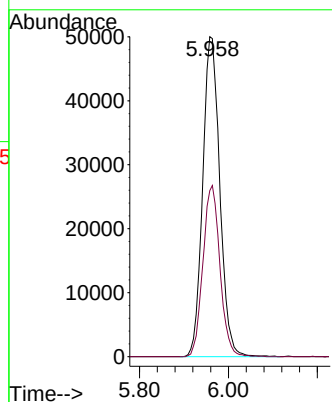
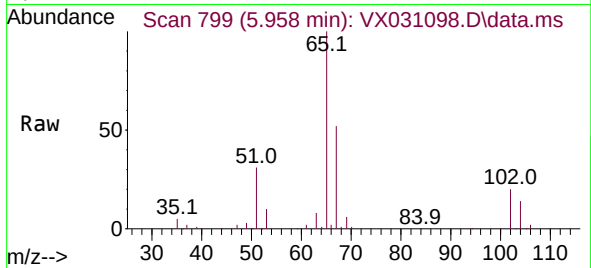




#33
 1,2-Dichloroethane-d4
 Concen: 49.732 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX031098.D
 Acq: 03 Sep 2022 21:21

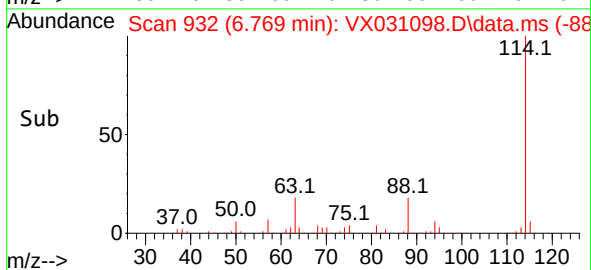
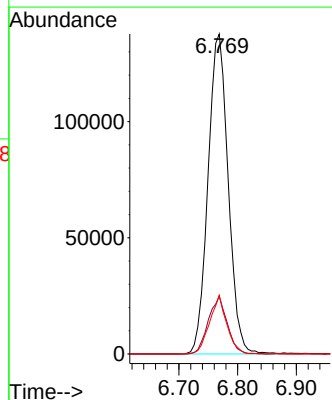
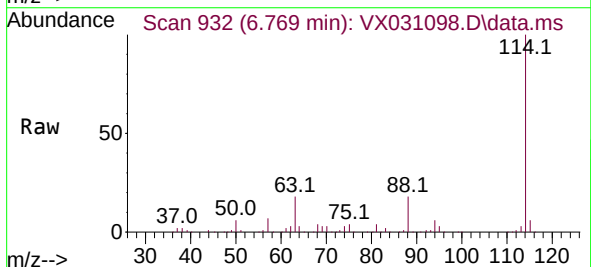
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20220823

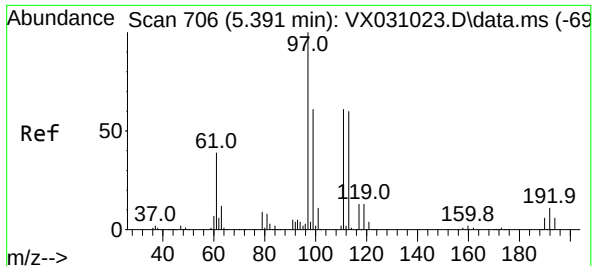
Tgt Ion: 65 Resp: 134054
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX031098.D
 Acq: 03 Sep 2022 21:21

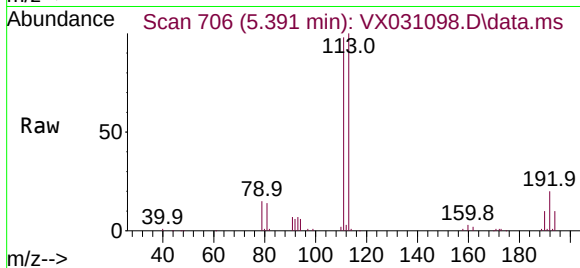
Tgt Ion: 114 Resp: 328546
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.4
 88 18.4 0.0 31.8



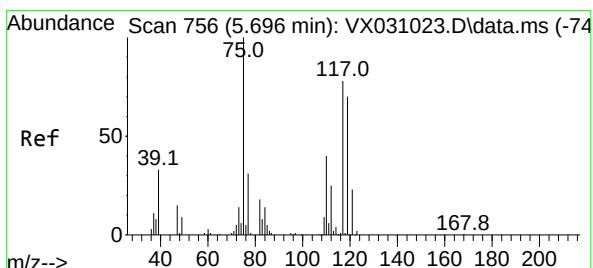
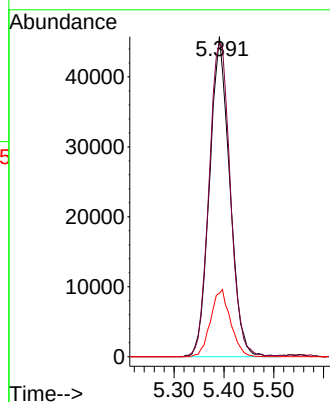
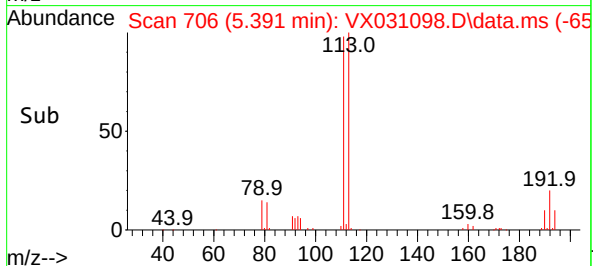


#35
Dibromofluoromethane
Concen: 53.629 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

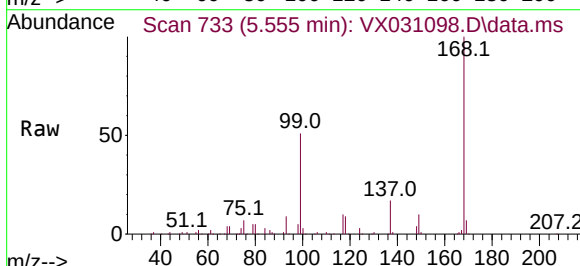
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823



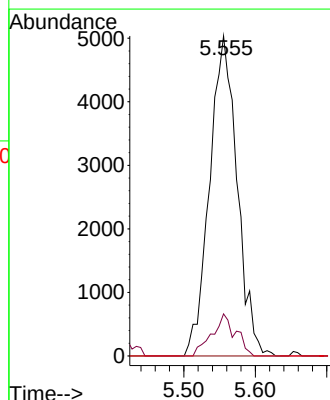
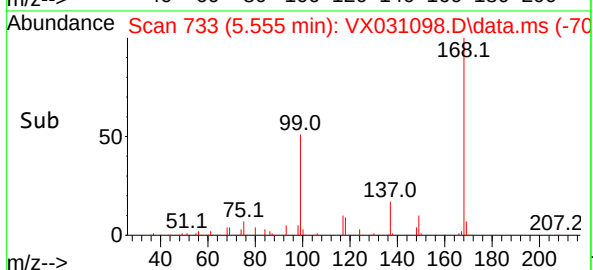
Tgt Ion:113 Resp: 128582
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 20.7 14.8 22.2

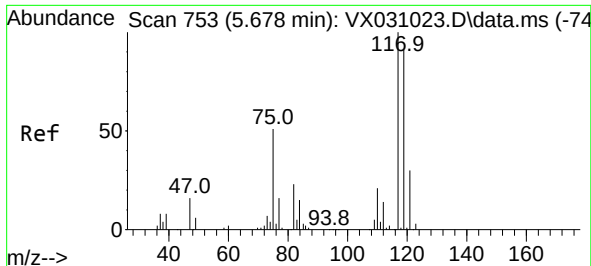


#36
1,1-Dichloropropene
Concen: 4.019 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21



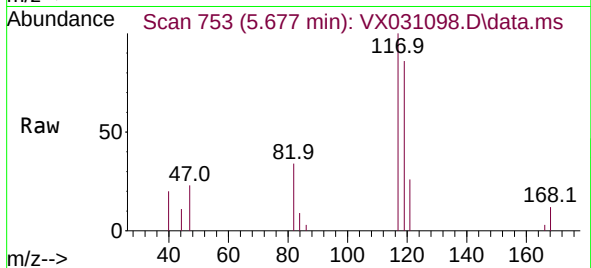
Tgt Ion: 75 Resp: 13497
Ion Ratio Lower Upper
75 100
110 11.3 19.3 57.9#
77 0.0 24.4 36.6#



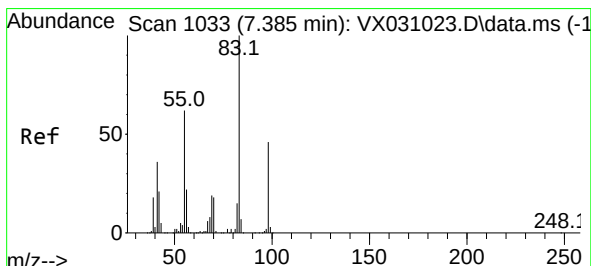
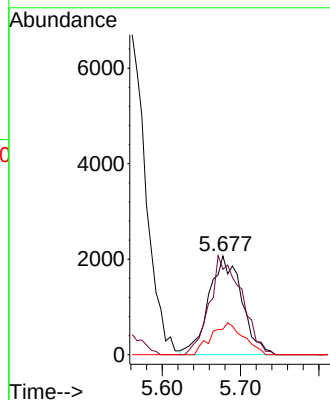
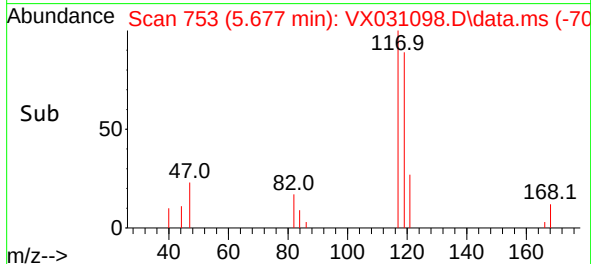


#38
Carbon Tetrachloride
Concen: 1.732 ug/l
RT: 5.677 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

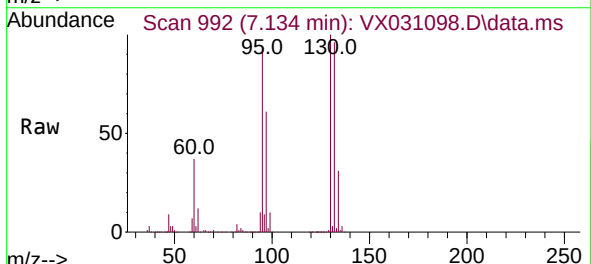
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823



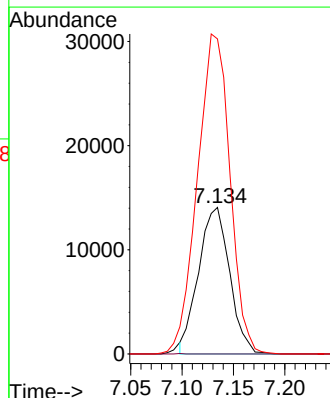
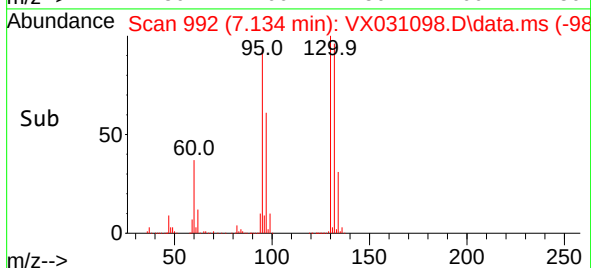
Tgt Ion:117 Resp: 6039
Ion Ratio Lower Upper
117 100
119 86.4 74.1 111.1
121 25.8 25.8 38.8#

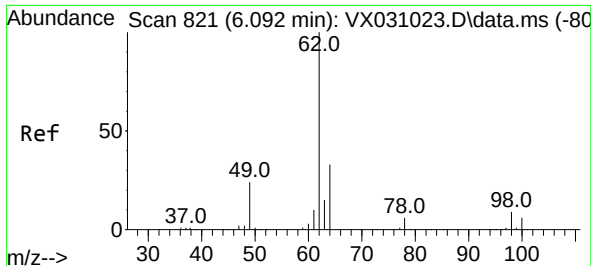


#39
Methylcyclohexane
Concen: 7.108 ug/l
RT: 7.134 min Scan# 992
Delta R.T. -0.251 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21



Tgt Ion: 83 Resp: 29583
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 215.1 36.5 54.7#





#42

1,2-Dichloroethane

Concen: 0.253 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.000 min

Lab File: VX031098.D

Acq: 03 Sep 2022 21:21

Instrument :

MSVOA_X

ClientSampleId :

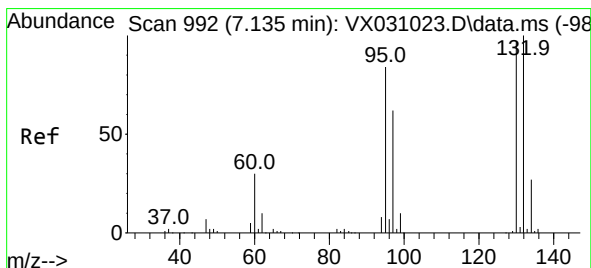
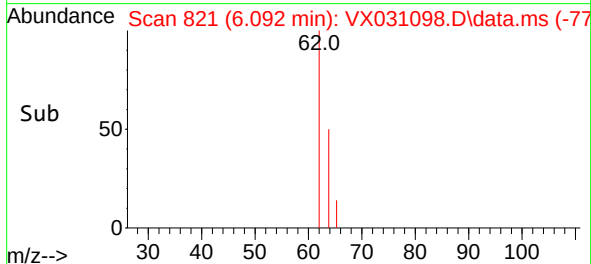
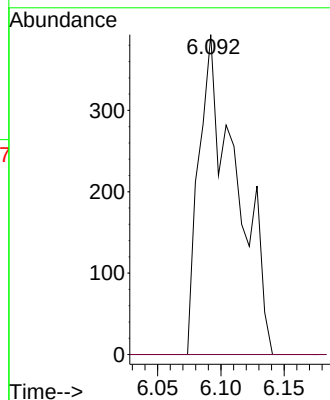
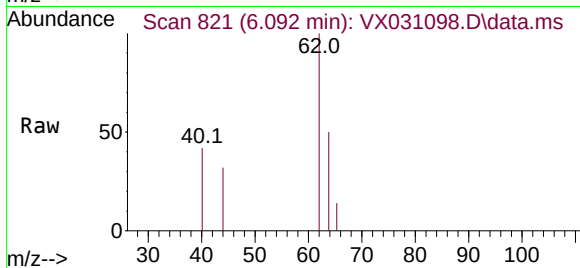
DUP07-20220823

Tgt Ion: 62 Resp: 804

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 914.865 ug/l

RT: 7.134 min Scan# 992

Delta R.T. 0.005 min

Lab File: VX031098.D

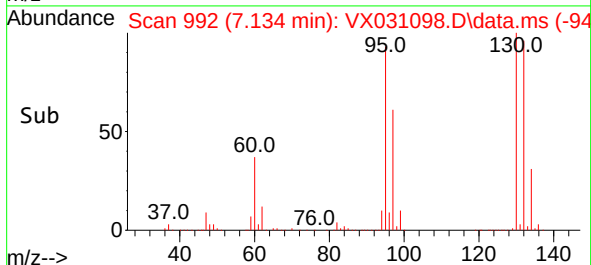
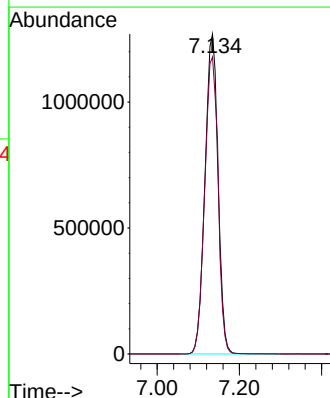
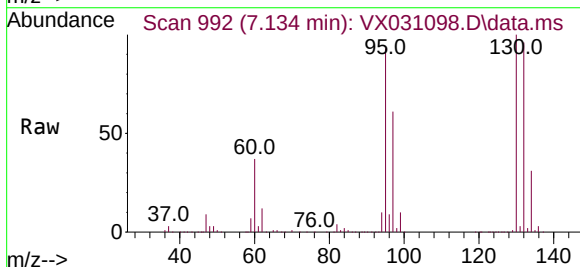
Acq: 03 Sep 2022 21:21

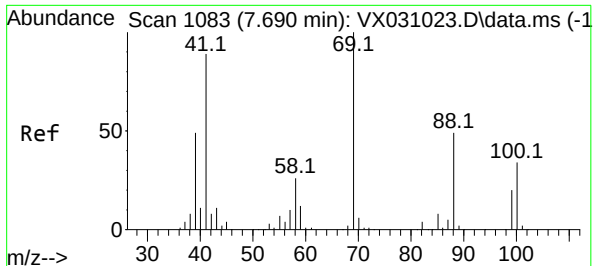
Tgt Ion: 130 Resp: 2792034

Ion Ratio Lower Upper

130 100

95 92.8 0.0 194.8





#49

1,4-Dioxane

Concen: 21.106 ug/l

RT: 7.701 min Scan# 1085

Delta R.T. 0.024 min

Lab File: VX031098.D

Acq: 03 Sep 2022 21:21

Instrument :

MSVOA_X

ClientSampleId :

DUP07-20220823

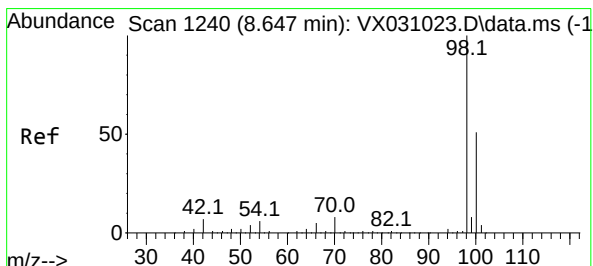
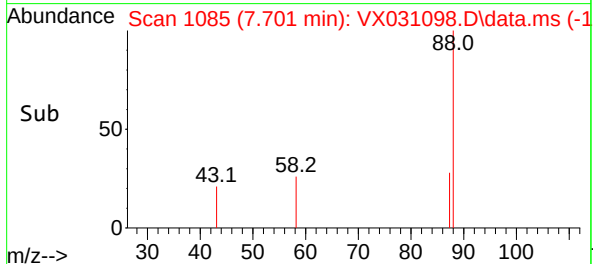
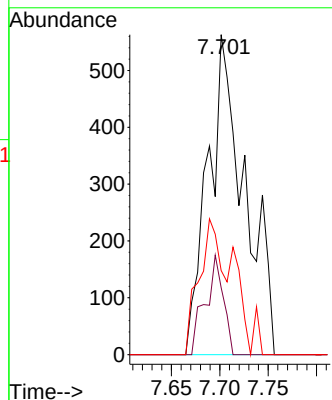
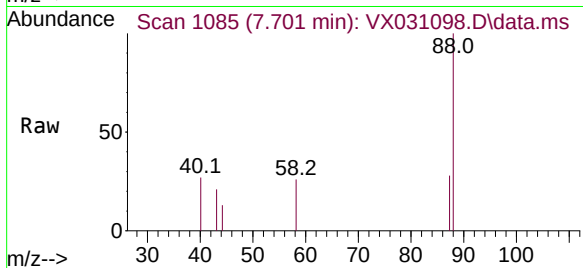
Tgt Ion: 88 Resp: 1478

Ion Ratio Lower Upper

88 100

43 15.4 23.8 35.8#

58 27.6 53.8 80.6#



#50

Toluene-d8

Concen: 51.007 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX031098.D

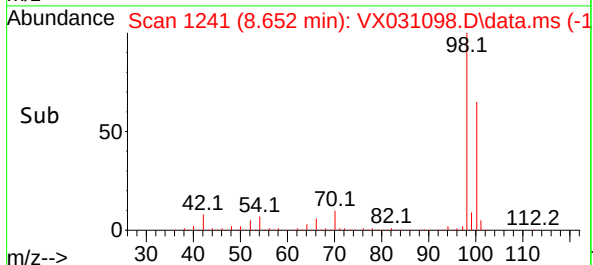
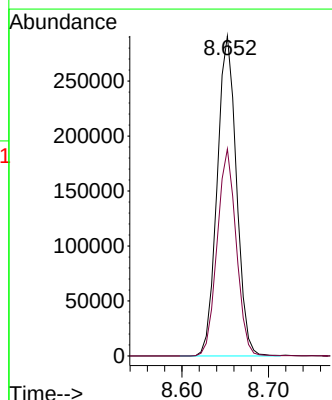
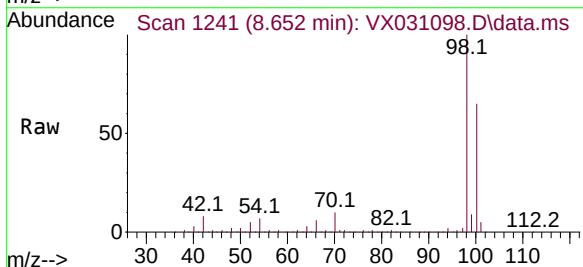
Acq: 03 Sep 2022 21:21

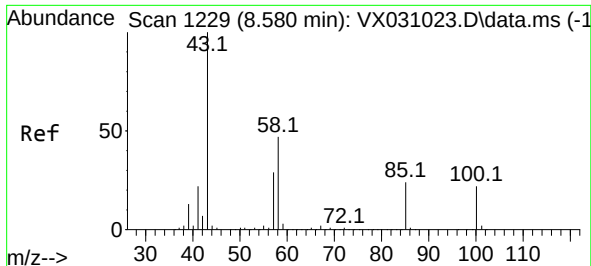
Tgt Ion: 98 Resp: 450091

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5

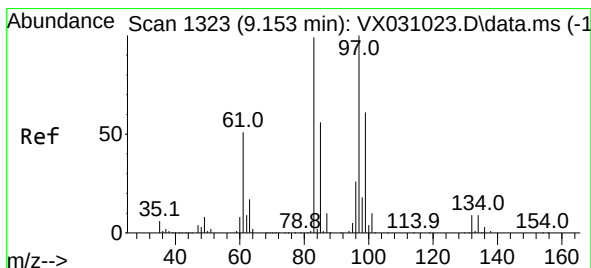
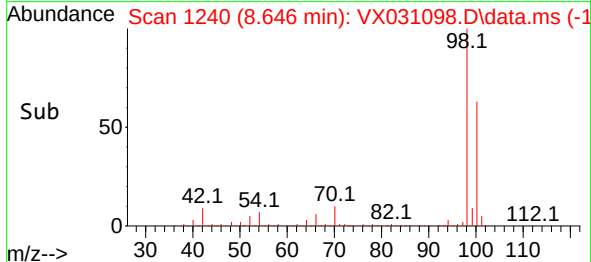
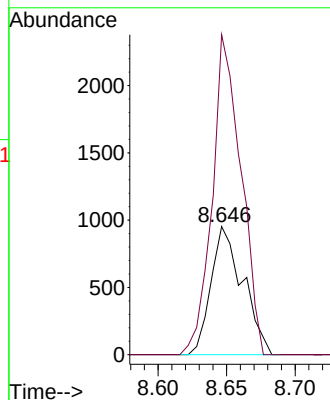
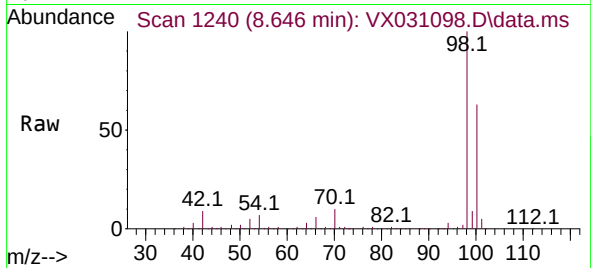




#51
4-Methyl-2-Pentanone
Concen: 0.527 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.066 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

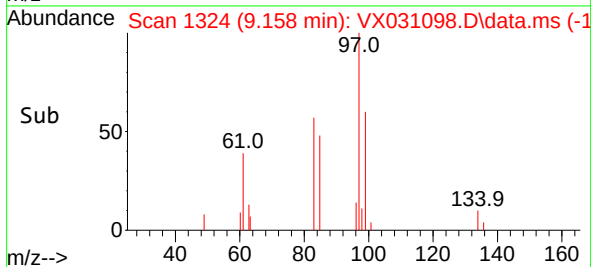
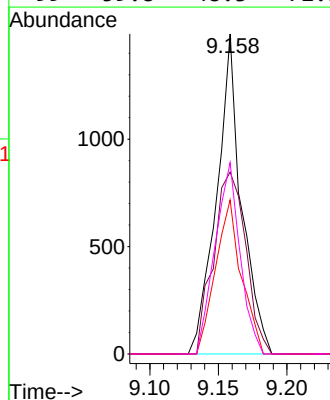
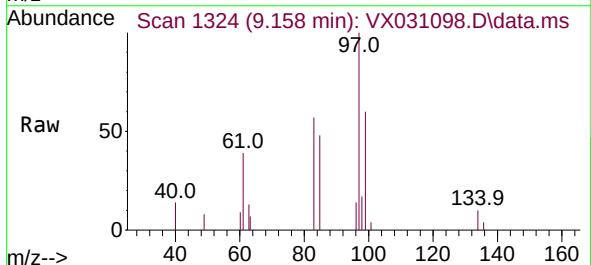
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

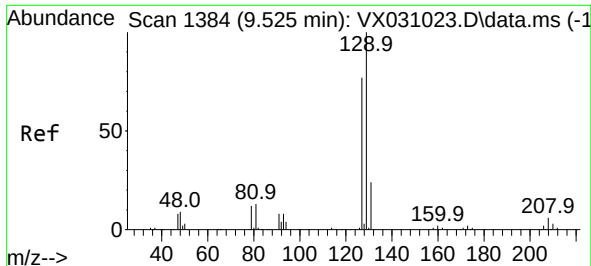
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 224.6 31.4 47.2#



#55
1,1,2-Trichloroethane
Concen: 0.709 ug/l
RT: 9.158 min Scan# 1324
Delta R.T. 0.005 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 97 Resp: 1886
Ion Ratio Lower Upper
97 100
83 56.8 68.9 103.3#
85 48.1 44.0 66.0
99 59.8 48.3 72.5





#60

Dibromochloromethane

Concen: 3.147 ug/l

RT: 9.274 min Scan# 11

Delta R.T. -0.251 min

Lab File: VX031098.D

Acq: 03 Sep 2022 21:21

Instrument :

MSVOA_X

ClientSampleId :

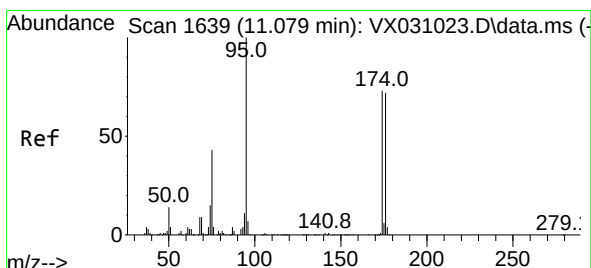
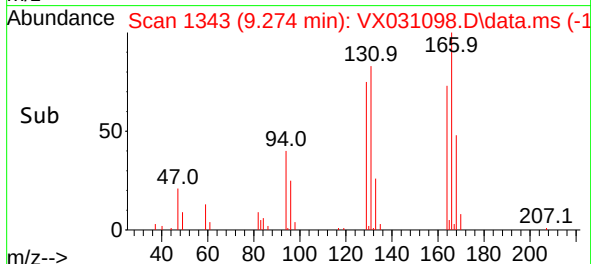
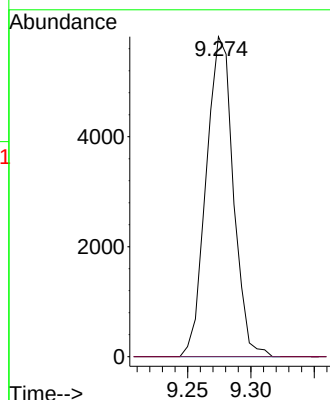
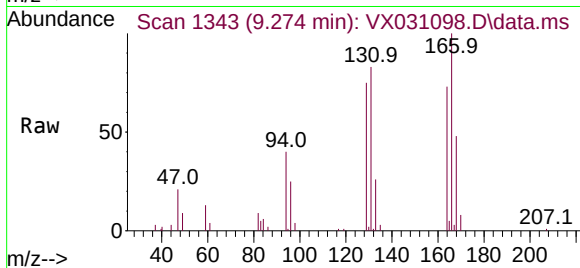
DUP07-20220823

Tgt Ion:129 Resp: 8687

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 49.684 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX031098.D

Acq: 03 Sep 2022 21:21

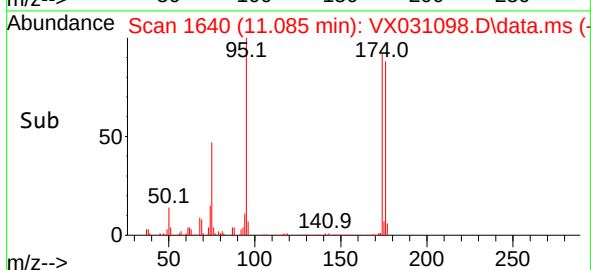
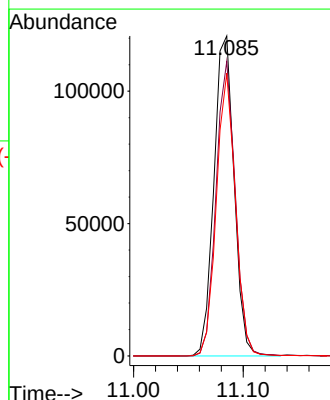
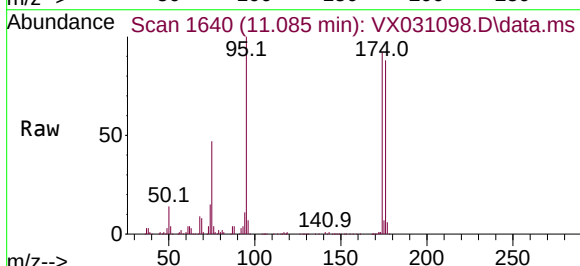
Tgt Ion: 95 Resp: 154847

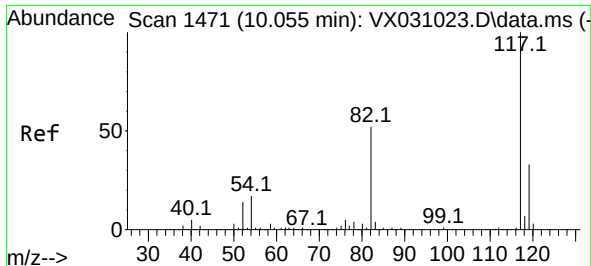
Ion Ratio Lower Upper

95 100

174 88.3 0.0 149.0

176 83.6 0.0 146.0

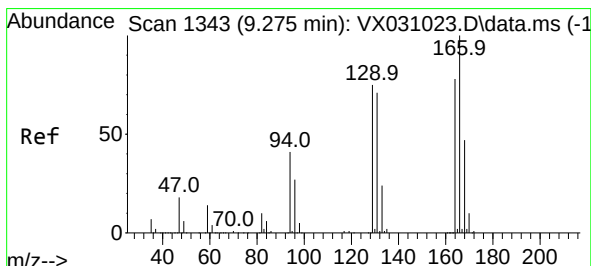
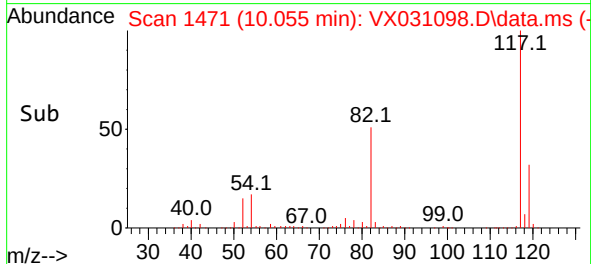
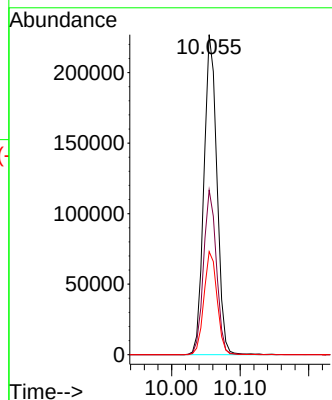
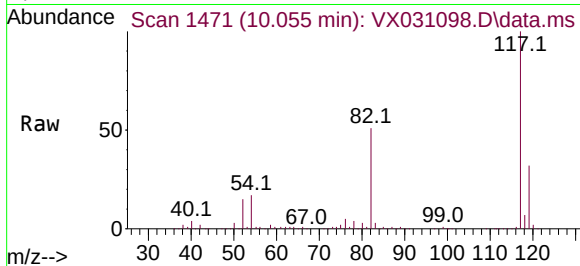




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

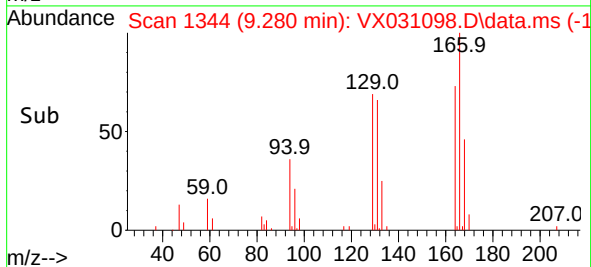
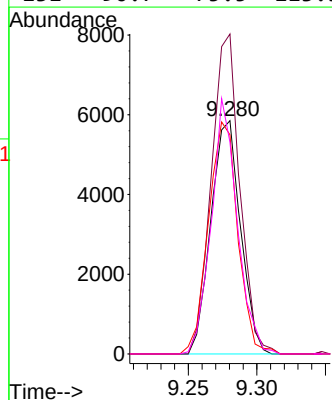
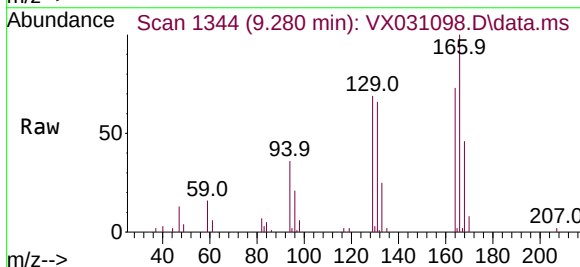
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

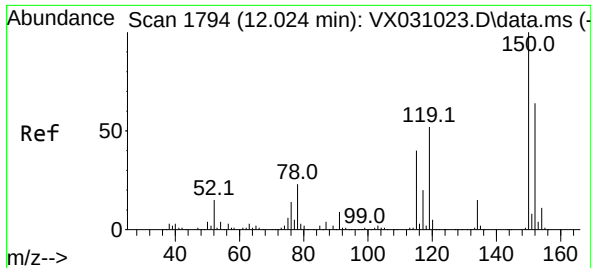
Tgt Ion:117 Resp: 301047
Ion Ratio Lower Upper
117 100
82 51.5 42.7 64.1
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 2.930 ug/l
RT: 9.280 min Scan# 1344
Delta R.T. 0.005 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion:164 Resp: 8807
Ion Ratio Lower Upper
164 100
166 137.1 98.2 147.4
129 94.0 80.8 121.2
131 90.7 75.5 113.3

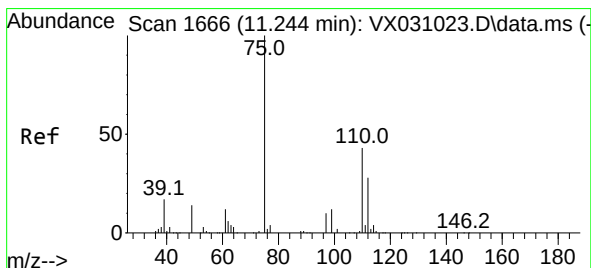
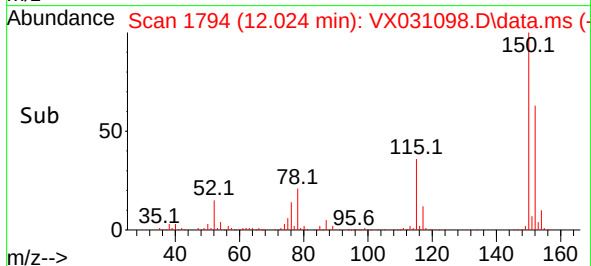
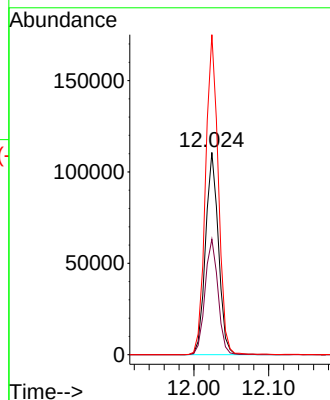
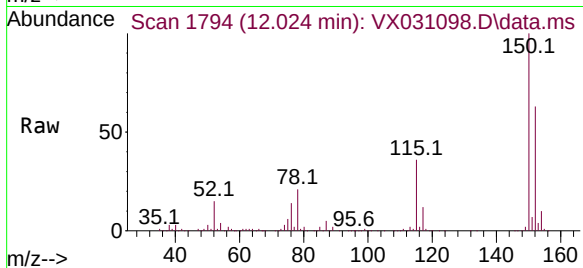




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

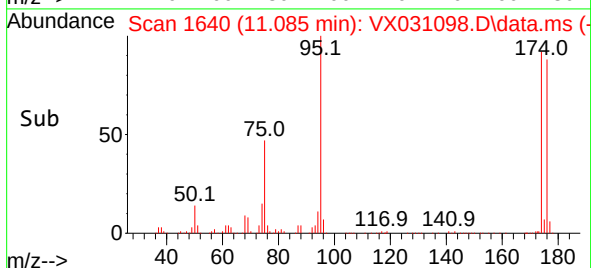
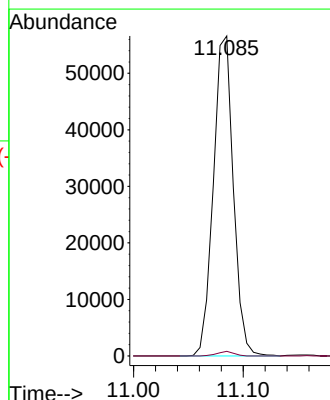
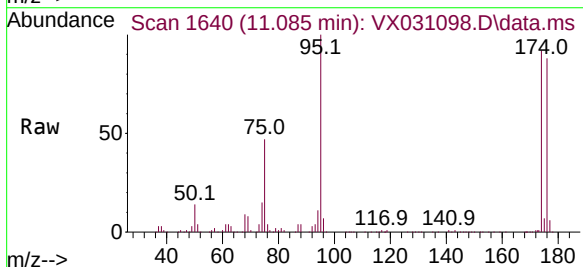
Instrument :
MSVOA_X
ClientSampleId :
DUP07-20220823

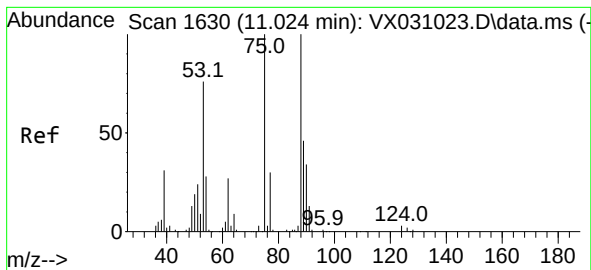
Tgt Ion:152 Resp: 132444
Ion Ratio Lower Upper
152 100
115 57.4 40.5 121.5
150 156.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 22.910 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX031098.D
Acq: 03 Sep 2022 21:21

Tgt Ion: 75 Resp: 71728
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.000 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031098.D
 Acq: 03 Sep 2022 21:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP07-20220823

Tgt Ion: 75 Resp: 71728
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

