

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031672.D
 Acq On : 27 Sep 2022 01:11
 Operator : JC/MD
 Sample : N4791-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 04:40:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

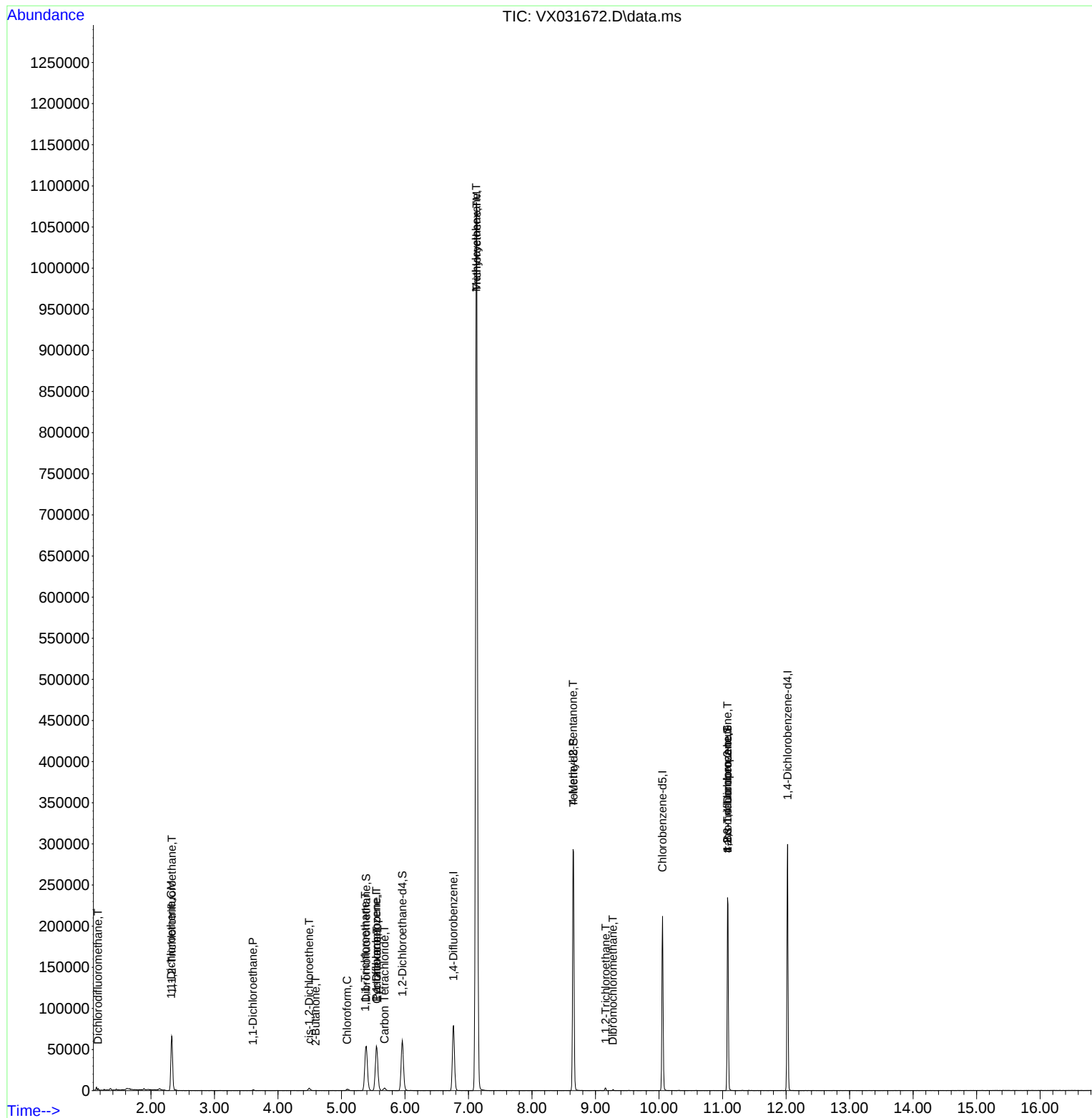
Internal Standards						
1) Pentafluorobenzene	5.550	168	51556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	80916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	92481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54997	50.261	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.520%	
35) Dibromofluoromethane	5.385	113	44273	45.920	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.840%	
50) Toluene-d8	8.653	98	171912	49.183	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.360%	
62) 4-Bromofluorobenzene	11.079	95	56027	43.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	918	1.463	ug/l	98
3) Chloromethane	1.166	50	76	Below Cal	#	41
5) Bromomethane	1.617	94	332	Below Cal		84
6) Chloroethane	1.684	64	89	Below Cal	#	43
7) Trichlorofluoromethane	1.886	101	546	Below Cal	#	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	18805	27.440	ug/l	91
11) Tert butyl alcohol	2.946	59	104	Below Cal	#	73
12) 1,1-Dichloroethene	2.318	96	7375	11.888	ug/l	90
13) Acrolein	2.148	56	22	Below Cal	#	15
16) Acetone	2.379	43	1514	Below Cal		94
17) Carbon Disulfide	2.507	76	117	Below Cal	#	75
24) 1,1-Dichloroethane	3.605	63	1416	1.058	ug/l #	82
25) 2-Butanone	4.592	43	151	0.289	ug/l #	1
27) cis-1,2-Dichloroethene	4.489	96	1887	2.034	ug/l	74
30) Chloroform	5.086	83	1183	0.719	ug/l #	67
31) Cyclohexane	5.556	56	1316	1.265	ug/l #	47
32) 1,1,1-Trichloroethane	5.373	97	805	0.591	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	3919	3.539	ug/l #	49
38) Carbon Tetrachloride	5.678	117	2300	1.843	ug/l #	83
39) Methylcyclohexane	7.123	83	4709	3.733	ug/l #	1
44) Trichloroethene	7.129	130	391138	407.212	ug/l	92
49) 1,4-Dioxane	7.689	88	115	Below Cal	#	24
51) 4-Methyl-2-Pentanone	8.647	43	799	0.718	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	795	0.815	ug/l	95
60) Dibromochloromethane	9.275	129	157	1.674	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	31664	30.101	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31664	99.205	ug/l #	11

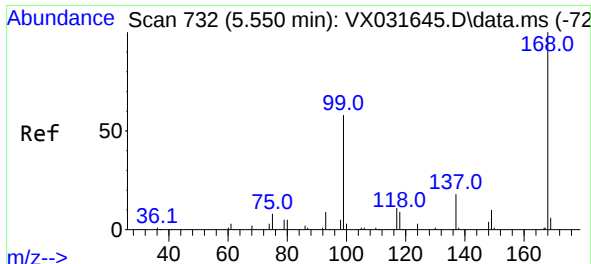
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
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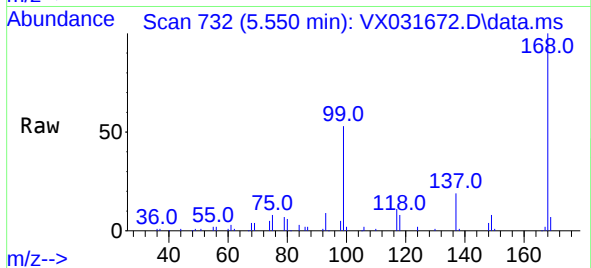
Quant Time: Sep 27 04:40:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
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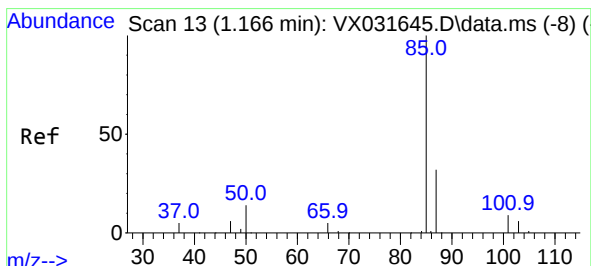
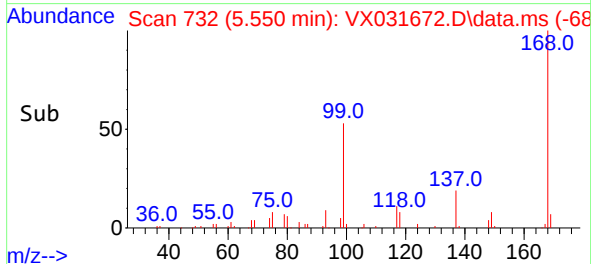
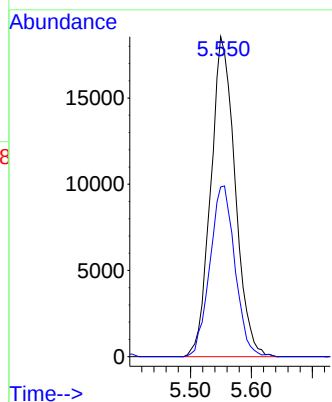


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :

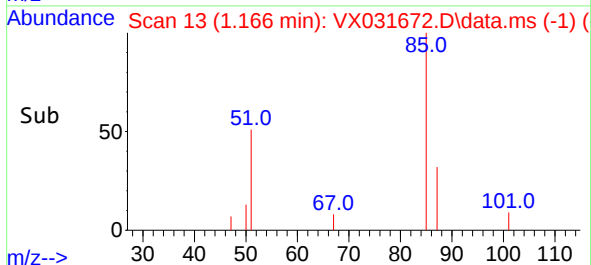
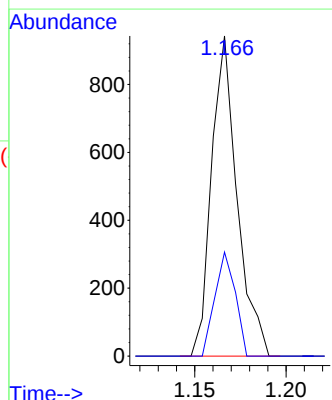
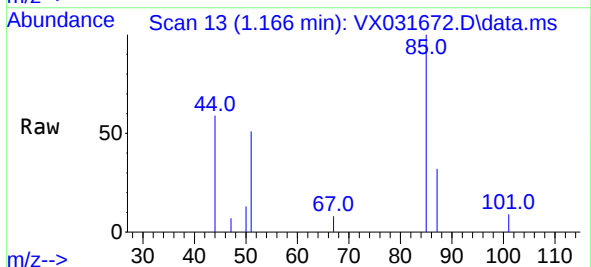


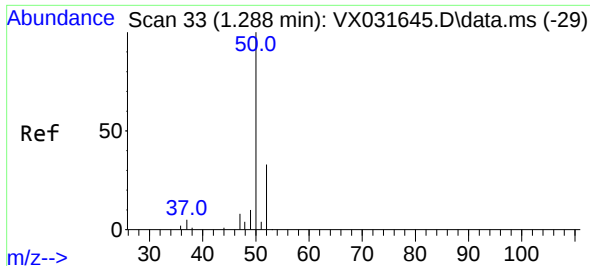
Tgt Ion:168 Resp: 51556
Ion Ratio Lower Upper
168 100
99 53.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 1.463 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Tgt Ion: 85 Resp: 918
Ion Ratio Lower Upper
85 100
87 32.4 15.8 47.4

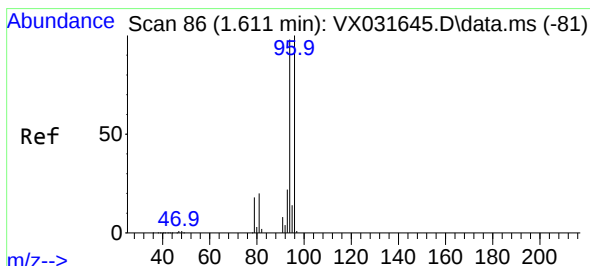
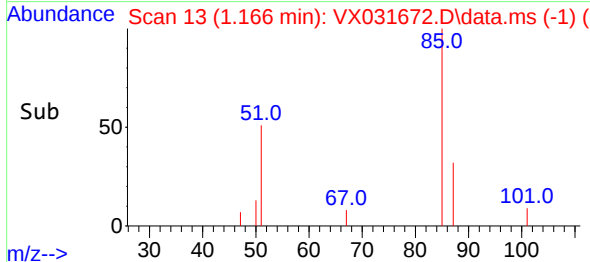
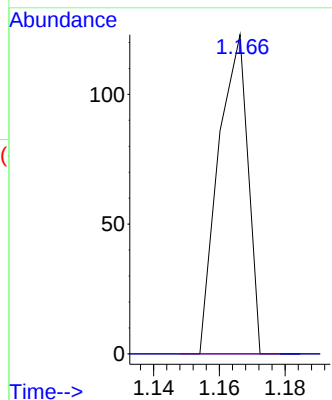
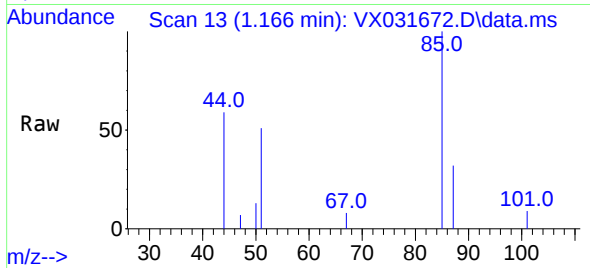




#3
Chloromethane
Concen: Below Cal
RT: 1.166 min Scan# 11
Delta R.T. -0.122 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

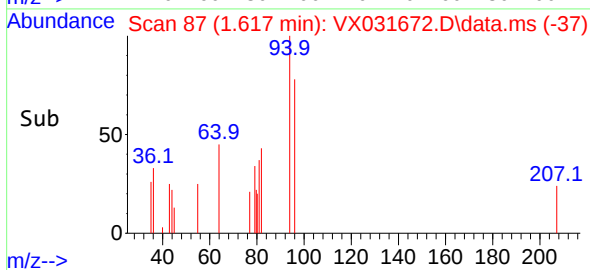
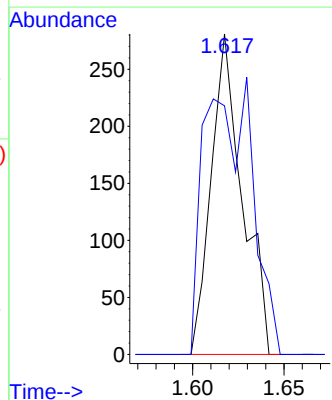
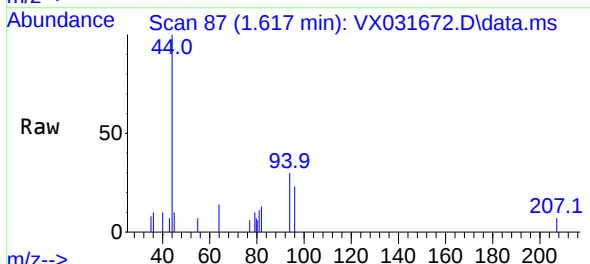
Instrument :
MSVOA_X
ClientSampleId :

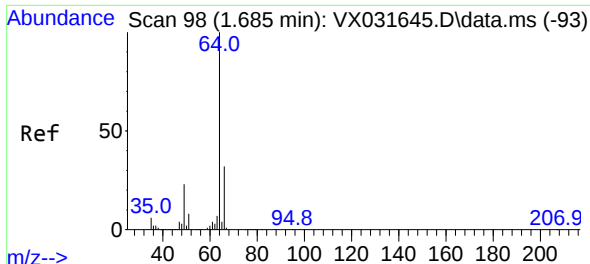
Tgt Ion: 50 Resp: 76
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

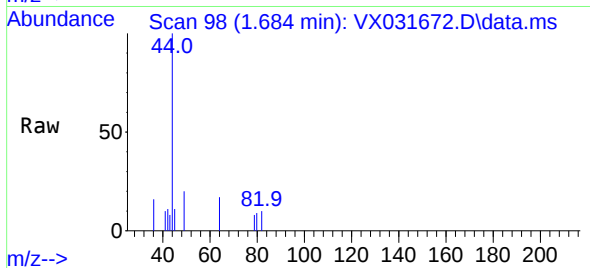
Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 77.6 74.4 111.6



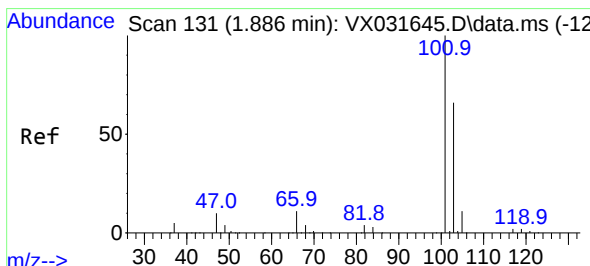
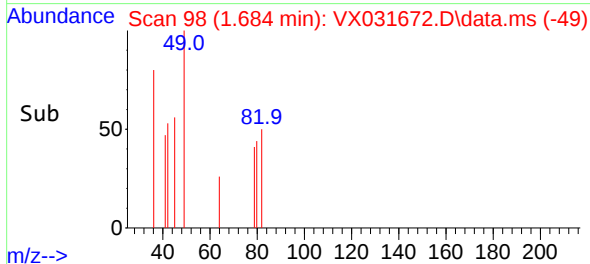
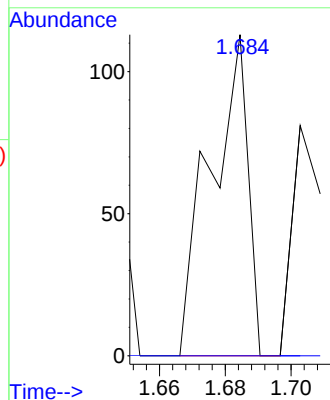


#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :

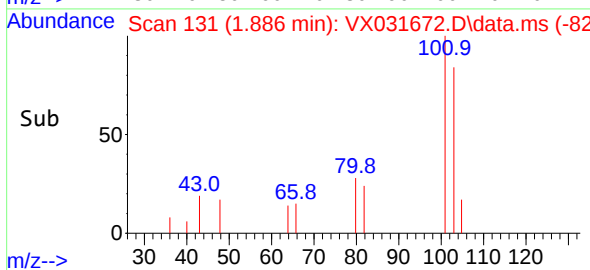
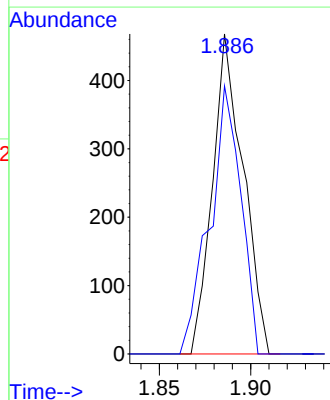
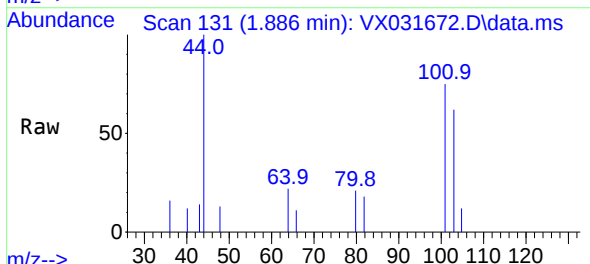


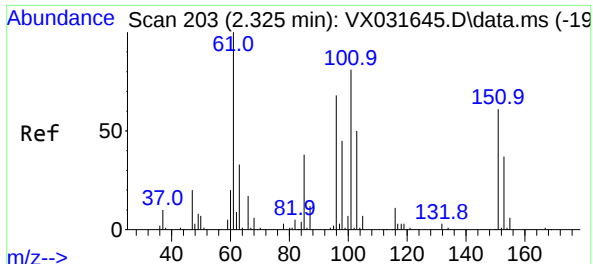
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 1.886 min Scan# 131
Delta R.T. -0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Tgt Ion: 101 Resp: 546
Ion Ratio Lower Upper
101 100
103 83.8 51.8 77.6#

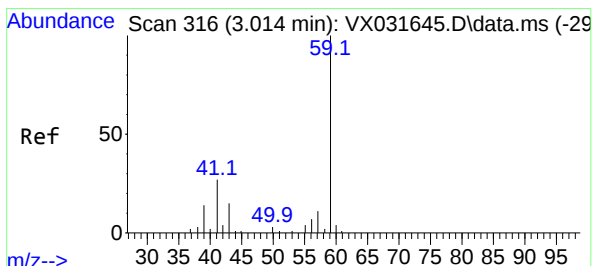
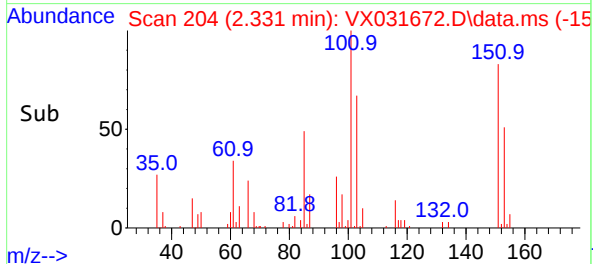
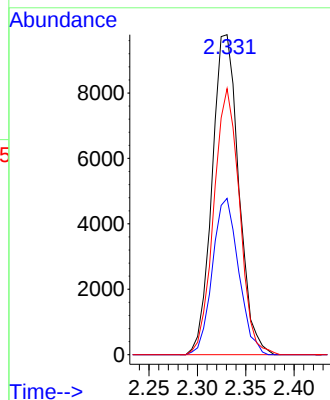
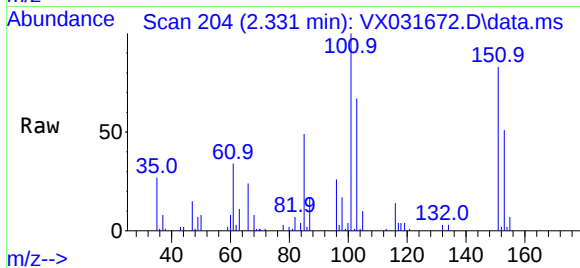




#9
1,1,2-Trichlorotrifluoroethane
Concen: 27.440 ug/l
RT: 2.331 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

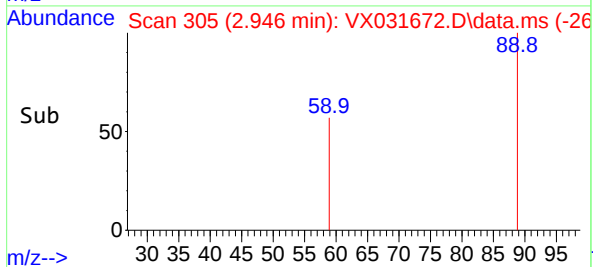
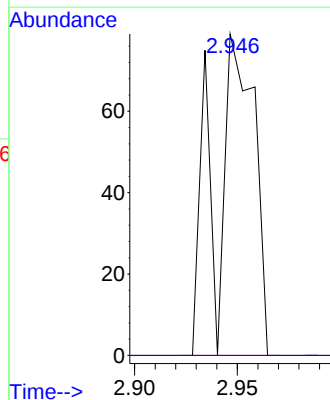
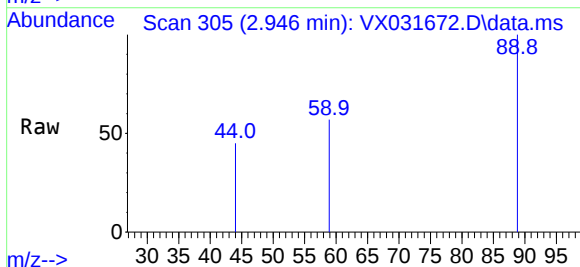
Instrument :
MSVOA_X
ClientSampleId :

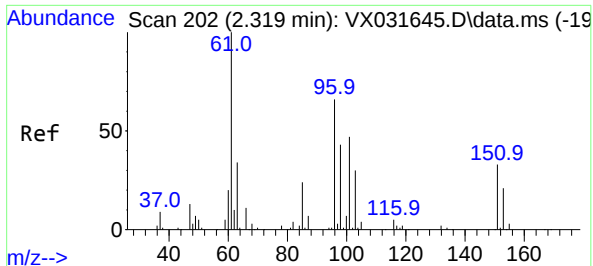
Tgt Ion:101 Resp: 18805
Ion Ratio Lower Upper
101 100
85 47.8 38.6 57.8
151 80.2 54.0 81.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

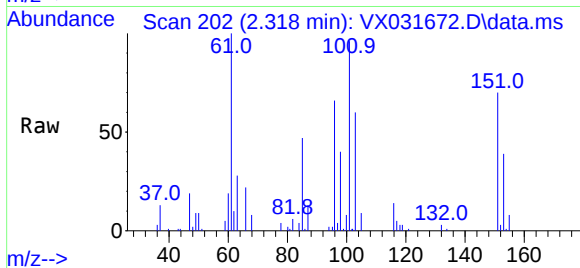
Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



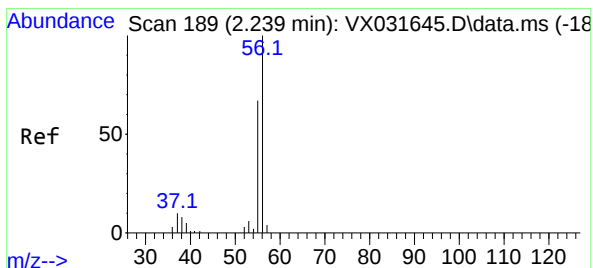
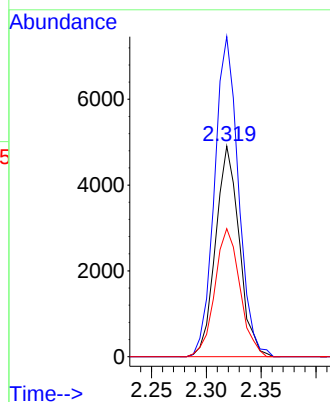
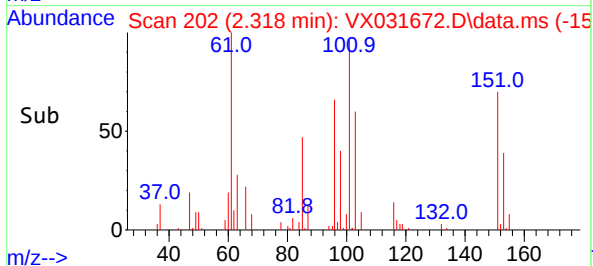


#12
1,1-Dichloroethene
Concen: 11.888 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :

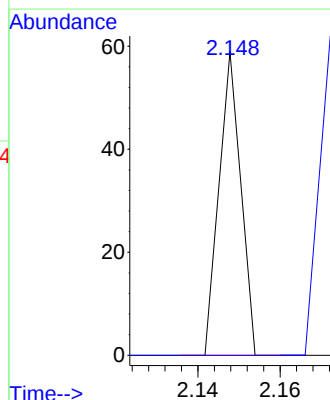
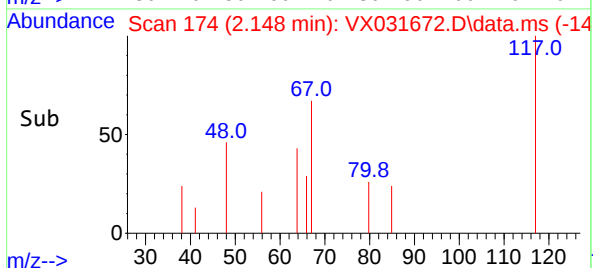
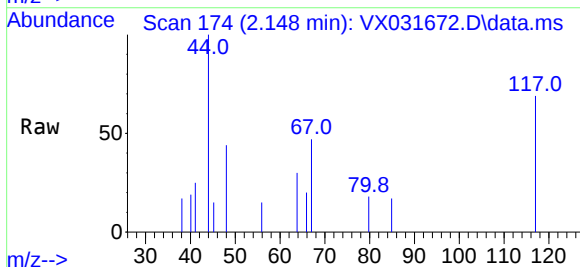


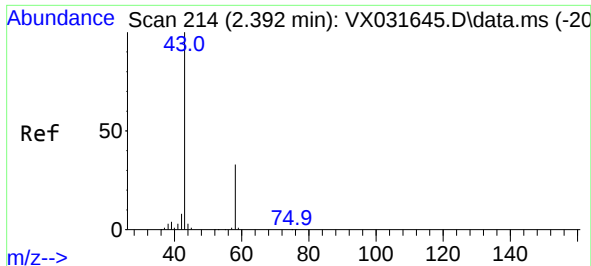
Tgt Ion: 96 Resp: 7375
Ion Ratio Lower Upper
96 100
61 152.0 135.3 202.9
98 60.8 49.4 74.2



#13
Acrolein
Concen: Below Cal
RT: 2.148 min Scan# 174
Delta R.T. -0.091 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

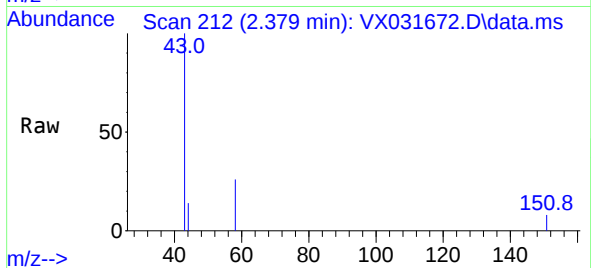
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



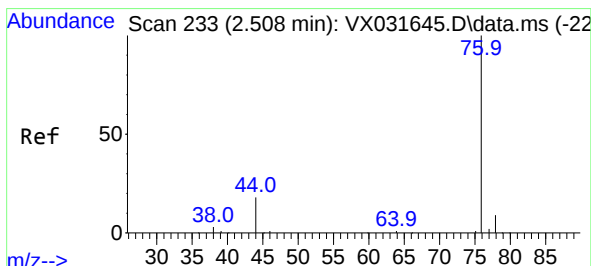
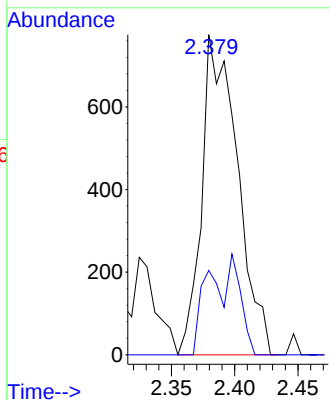
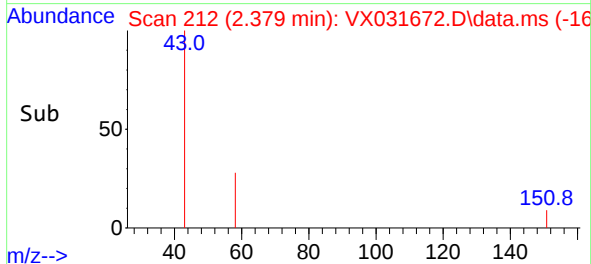


#16
Acetone
Concen: Below Cal
RT: 2.379 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

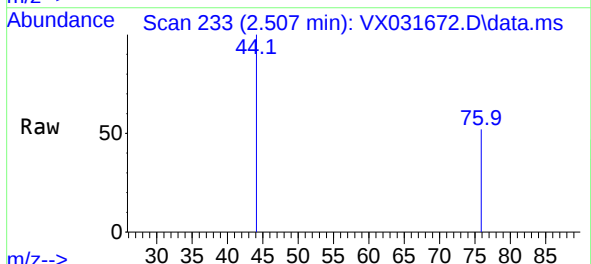
Instrument :
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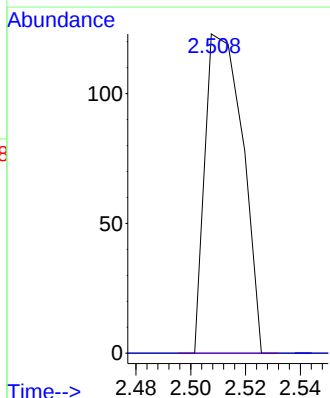
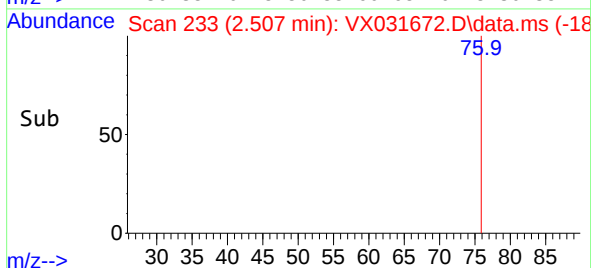
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 26.3 23.8 35.8

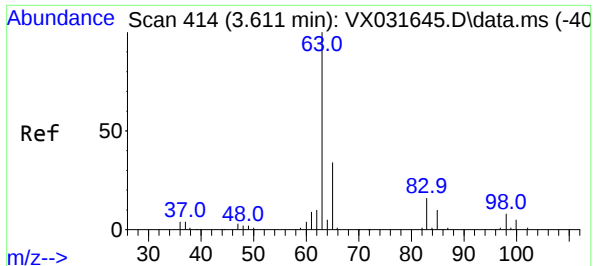


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11



Tgt Ion: 76 Resp: 117
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#24

1,1-Dichloroethane

Concen: 1.058 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

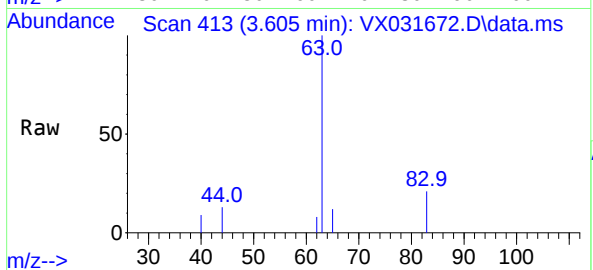
Lab File: VX031672.D

Acq: 27 Sep 2022 01:11

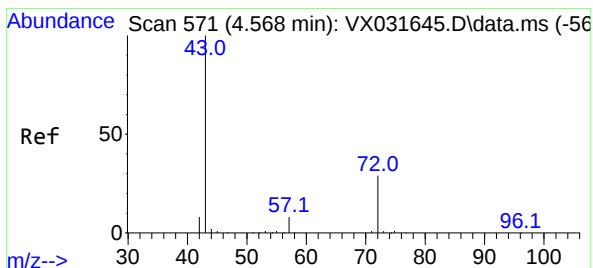
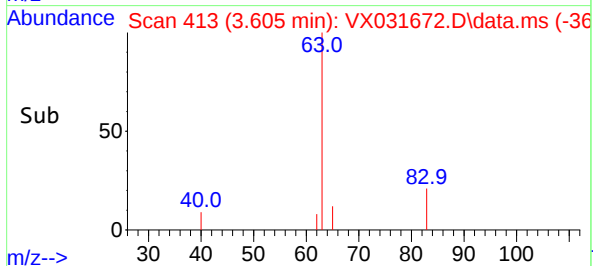
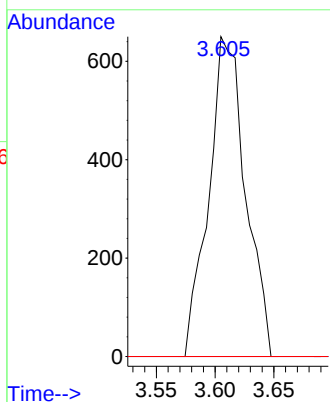
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 63	Resp:	1416
Ion	Ratio	Lower Upper
63	100	
98	0.0	3.5 10.4#
100	0.0	2.4 7.2#



#25

2-Butanone

Concen: 0.289 ug/l

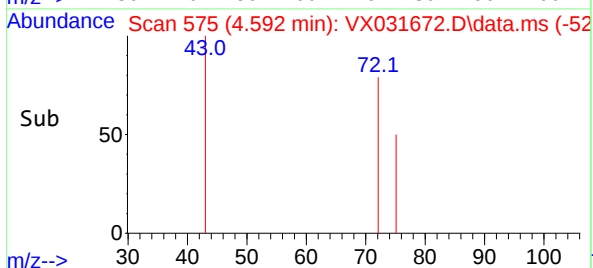
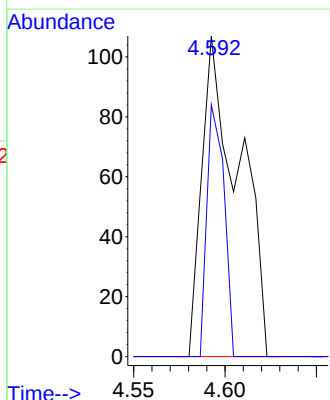
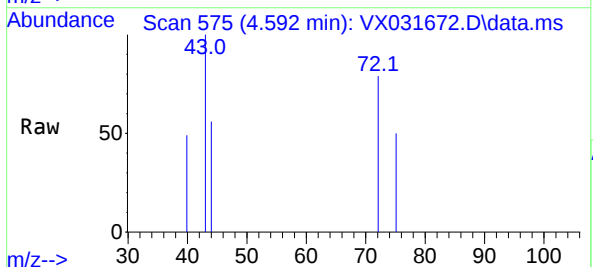
RT: 4.592 min Scan# 575

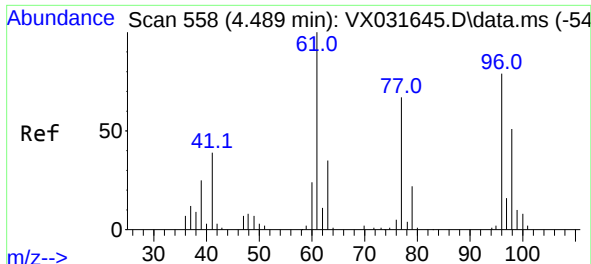
Delta R.T. 0.030 min

Lab File: VX031672.D

Acq: 27 Sep 2022 01:11

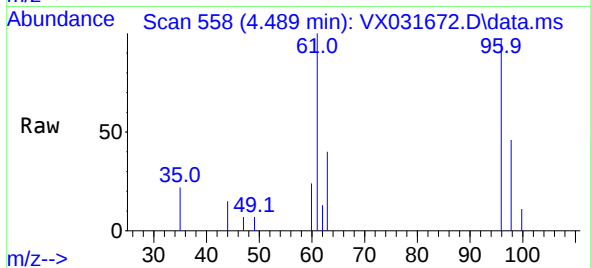
Tgt Ion: 43	Resp:	151
Ion	Ratio	Lower Upper
43	100	
72	78.5	21.1 31.7#



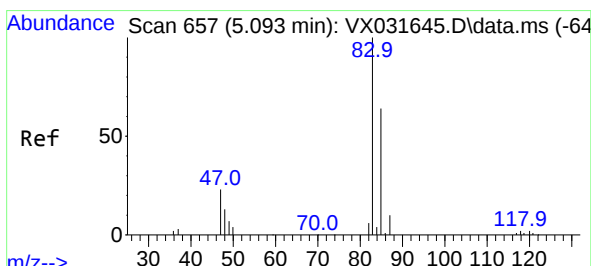
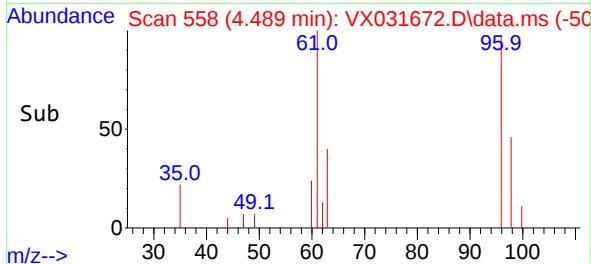
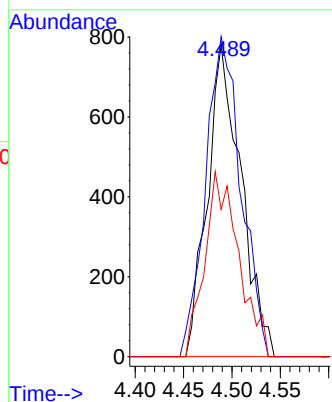


#27
 cis-1,2-Dichloroethene
 Concen: 2.034 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX031672.D
 Acq: 27 Sep 2022 01:11

Instrument :
 MSVOA_X
 ClientSampleId :

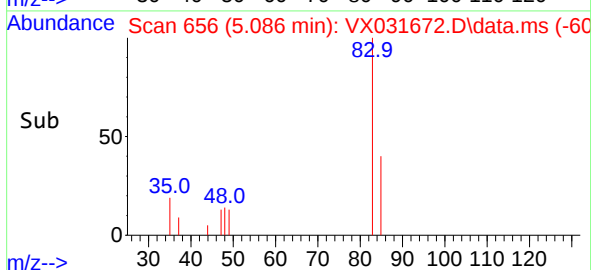
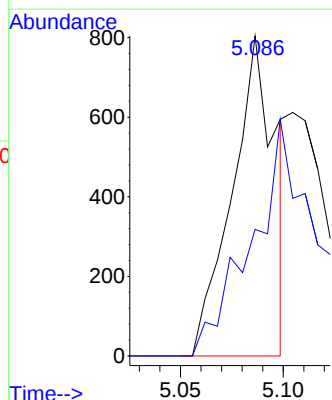
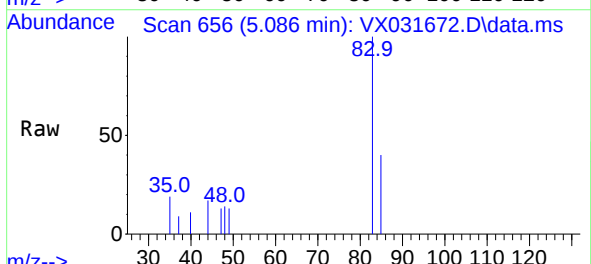


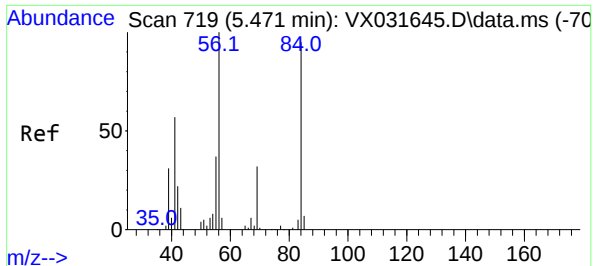
Tgt Ion: 96	Resp: 1887		
Ion	Ratio	Lower	Upper
96	100		
61	108.3	0.0	305.2
98	59.9	0.0	128.4



#30
 Chloroform
 Concen: 0.719 ug/l
 RT: 5.086 min Scan# 656
 Delta R.T. -0.013 min
 Lab File: VX031672.D
 Acq: 27 Sep 2022 01:11

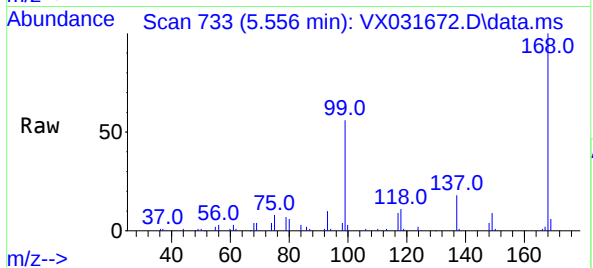
Tgt Ion: 83	Resp: 1183		
Ion Ratio	Lower	Upper	
83 100			
85 39.6	52.8	79.2#	



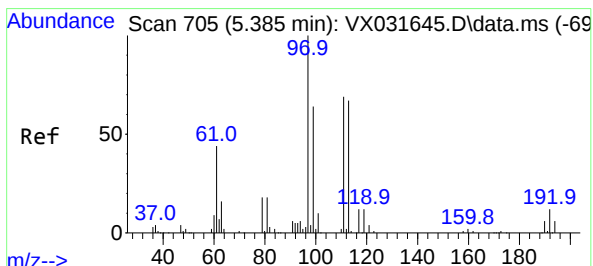
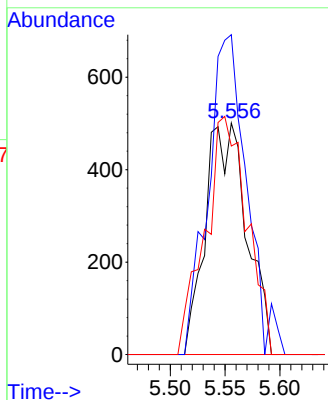
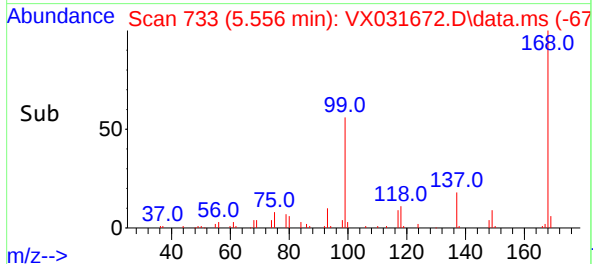


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

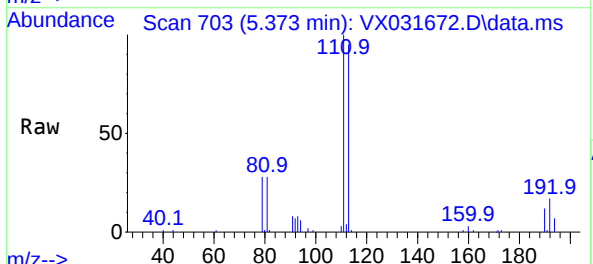
Instrument :
MSVOA_X
ClientSampleId :



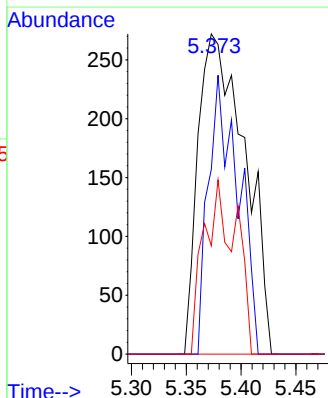
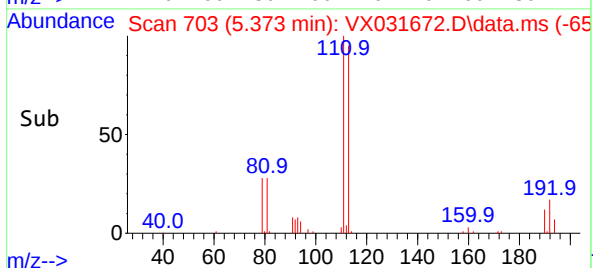
Tgt Ion: 56 Resp: 1316
Ion Ratio Lower Upper
56 100
69 138.1 25.1 37.7#
84 90.0 70.2 105.4

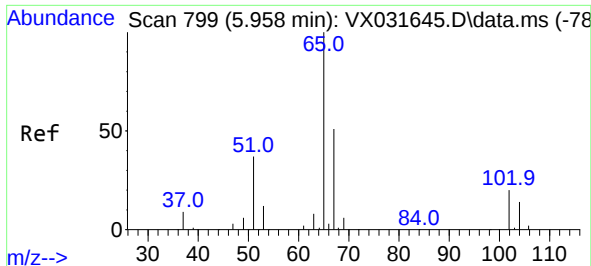


#32
1,1,1-Trichloroethane
Concen: 0.591 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11



Tgt Ion: 97 Resp: 805
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 37.4 35.9 53.9

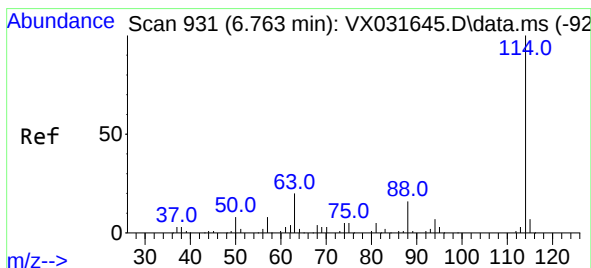
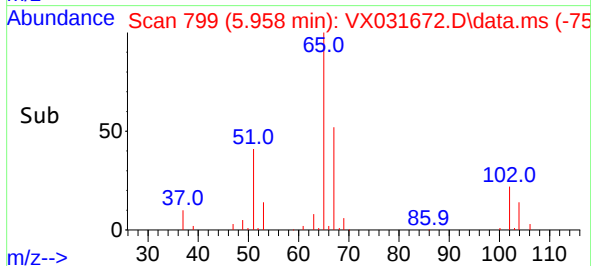
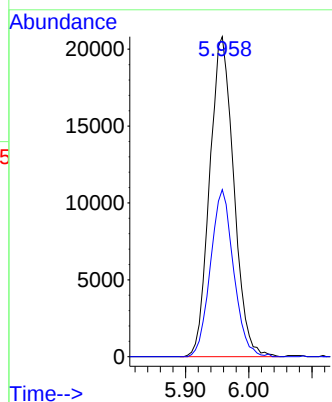
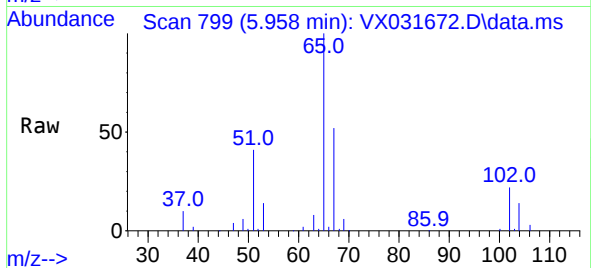




#33
 1,2-Dichloroethane-d4
 Concen: 50.261 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031672.D
 Acq: 27 Sep 2022 01:11

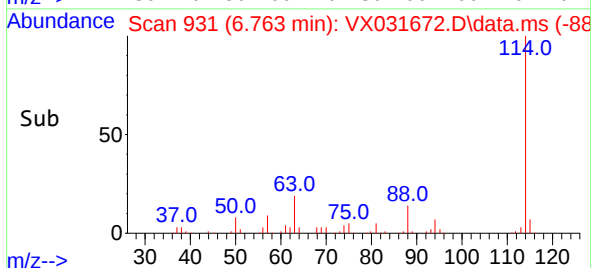
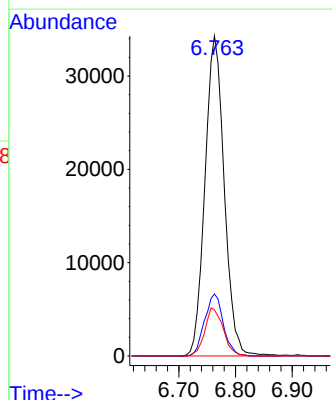
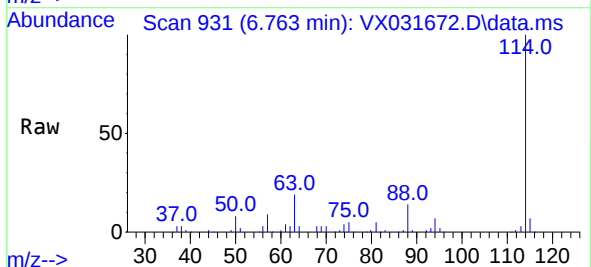
Instrument :
 MSVOA_X
 ClientSampleId :

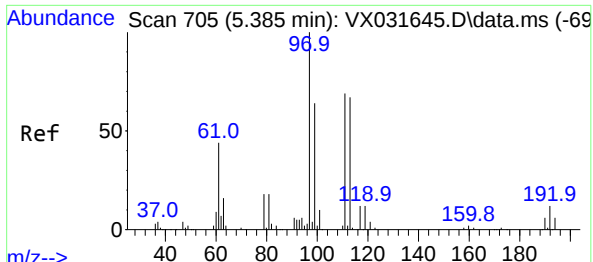
Tgt Ion: 65 Resp: 54997
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX031672.D
 Acq: 27 Sep 2022 01:11

Tgt Ion: 114 Resp: 80916
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 14.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 45.920 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

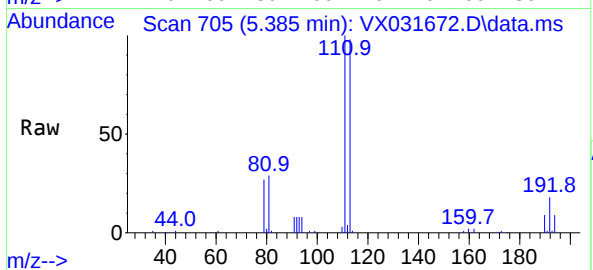
Lab File: VX031672.D

Acq: 27 Sep 2022 01:11

Instrument :

MSVOA_X

ClientSampleId :



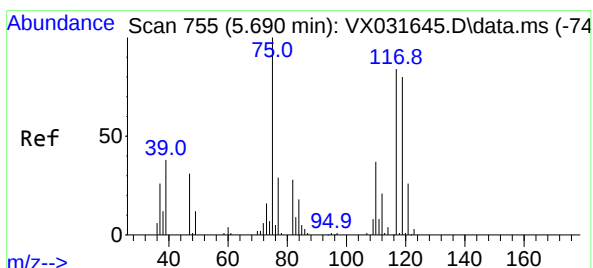
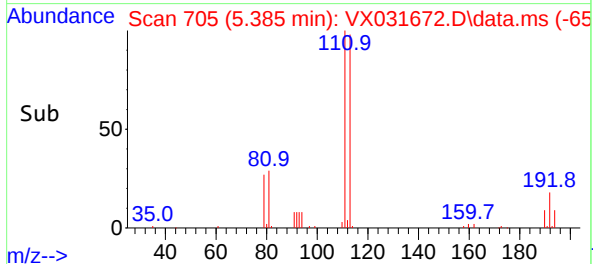
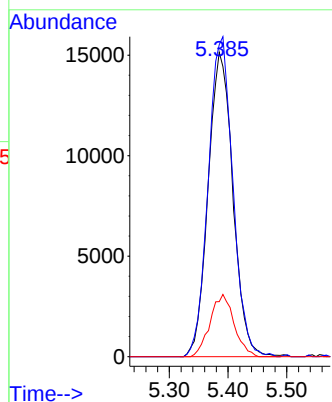
Tgt Ion:113 Resp: 44273

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

192 19.9 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.539 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX031672.D

Acq: 27 Sep 2022 01:11

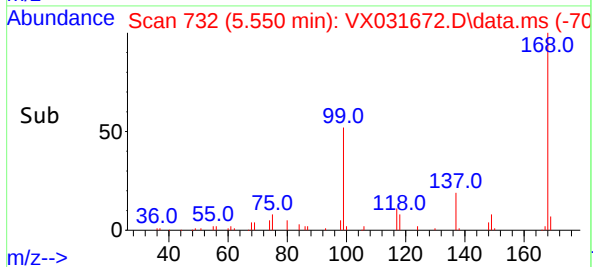
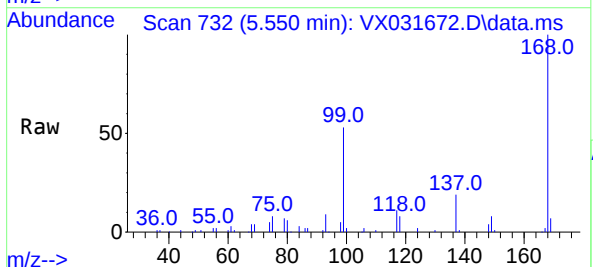
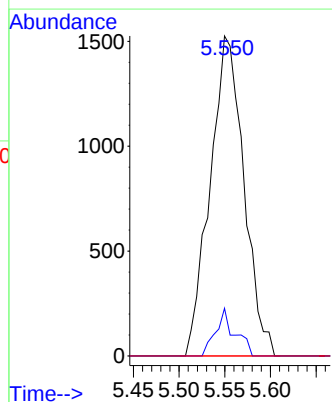
Tgt Ion: 75 Resp: 3919

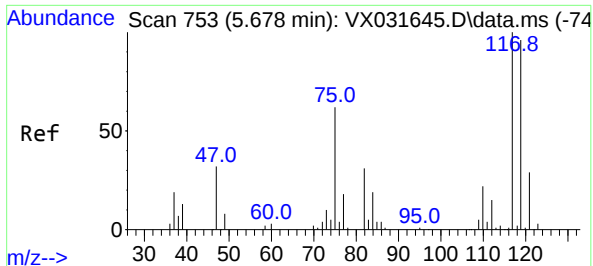
Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.5#

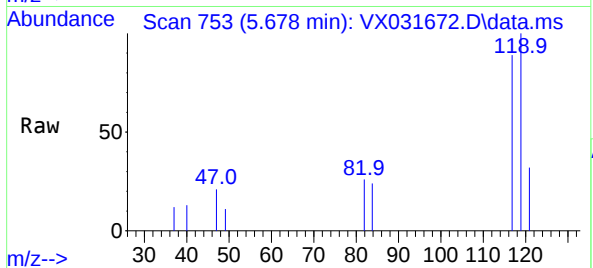
77 0.0 24.9 37.3#



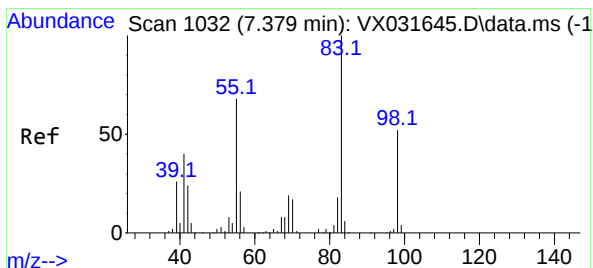
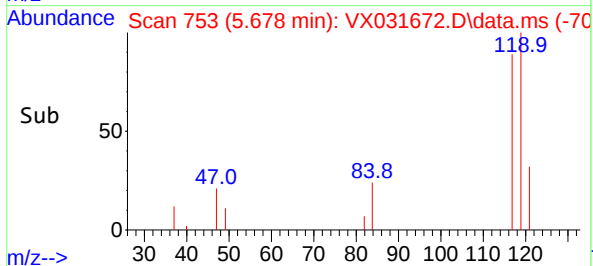
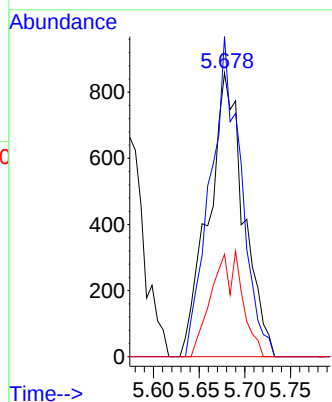


#38
Carbon Tetrachloride
Concen: 1.843 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :

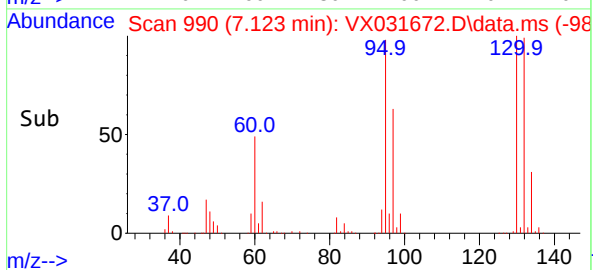
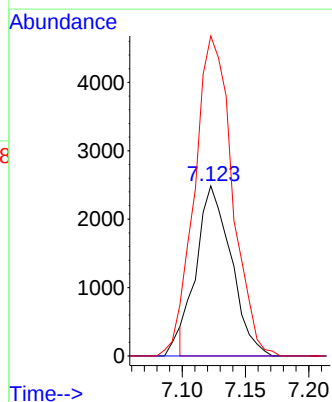
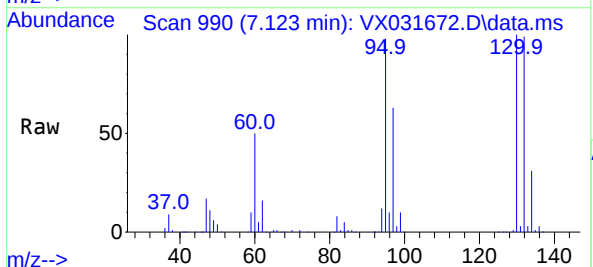


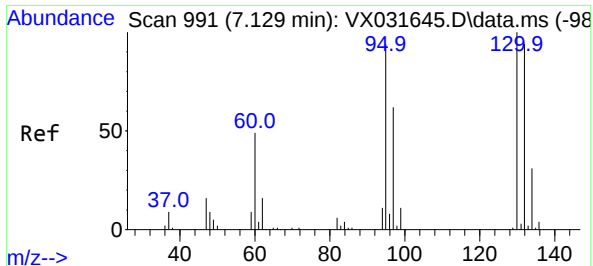
Tgt Ion:117 Resp: 2300
Ion Ratio Lower Upper
117 100
119 112.8 74.6 112.0#
121 36.1 25.3 37.9



#39
Methylcyclohexane
Concen: 3.733 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

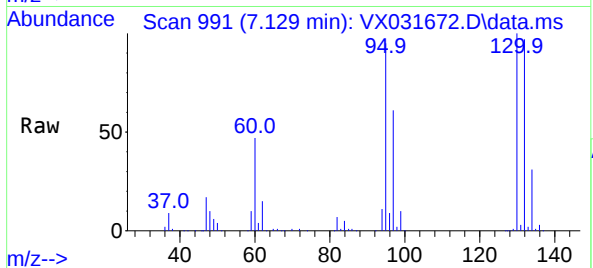
Tgt Ion: 83 Resp: 4709
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 188.1 37.7 56.5#



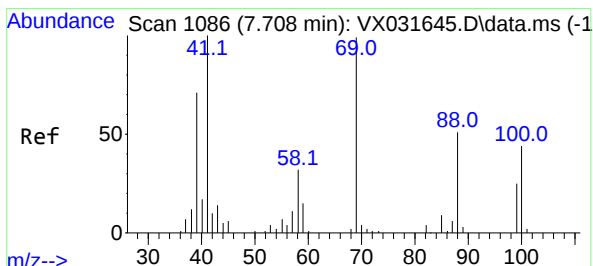
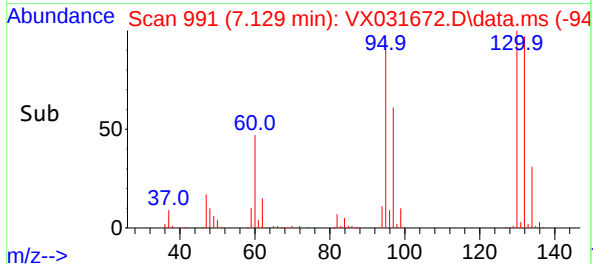
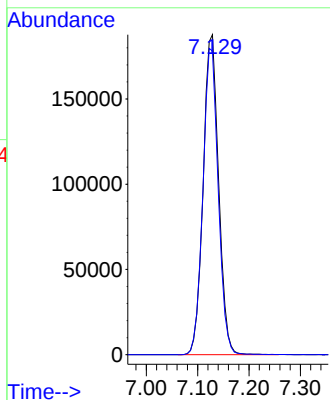


#44
Trichloroethene
Concen: 407.212 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :

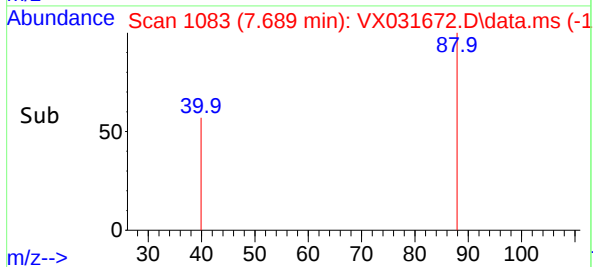
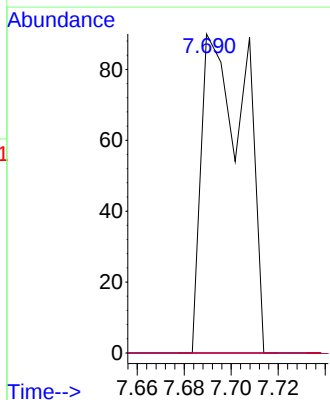
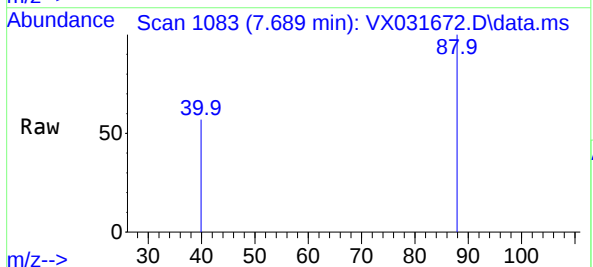


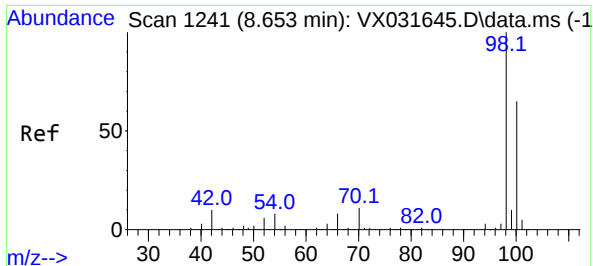
Tgt Ion:130 Resp: 391138
Ion Ratio Lower Upper
130 100
95 94.9 0.0 206.8



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.689 min Scan# 1083
Delta R.T. 0.005 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 53.9 80.9#





#50

Toluene-d8

Concen: 49.183 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031672.D

Acq: 27 Sep 2022 01:11

Instrument :

MSVOA_X

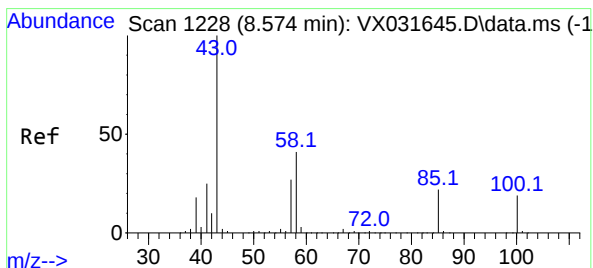
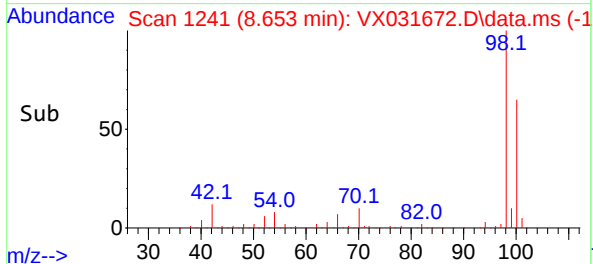
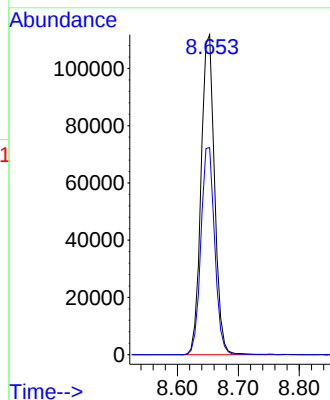
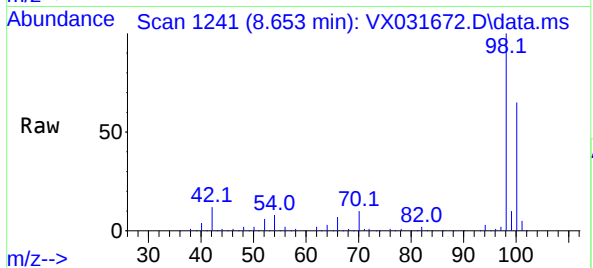
ClientSampleId :

Tgt Ion: 98 Resp: 171912

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.718 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031672.D

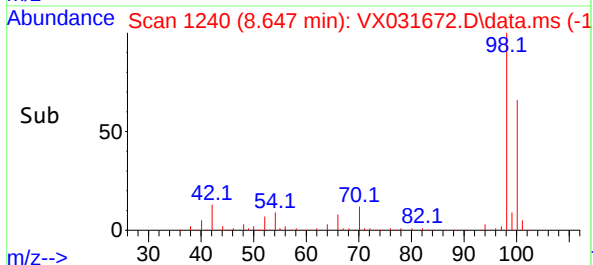
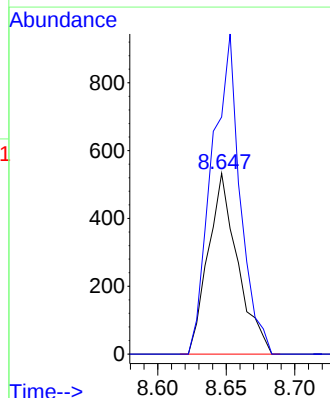
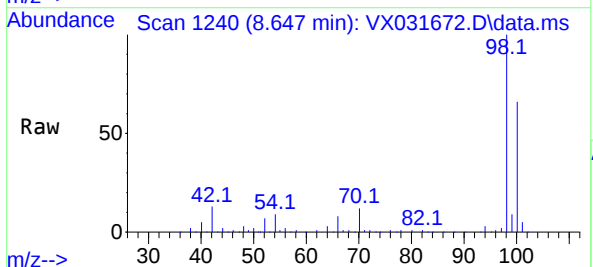
Acq: 27 Sep 2022 01:11

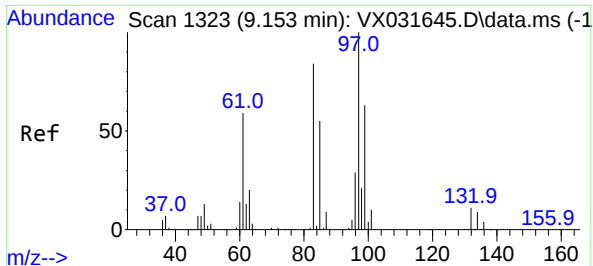
Tgt Ion: 43 Resp: 799

Ion Ratio Lower Upper

43 100

58 170.6 30.6 46.0#

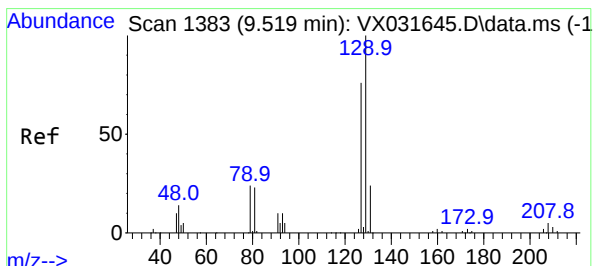
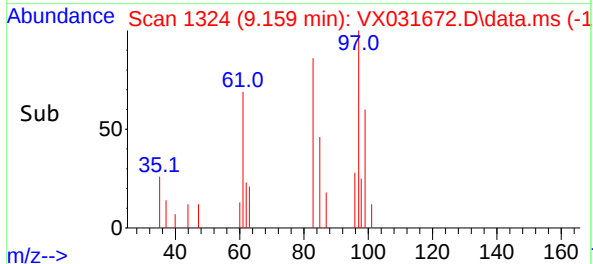
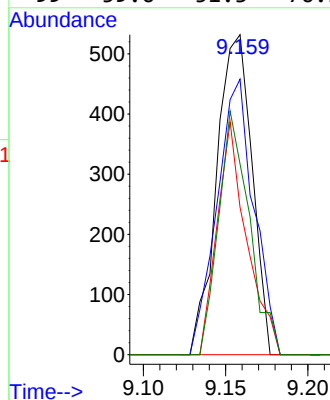
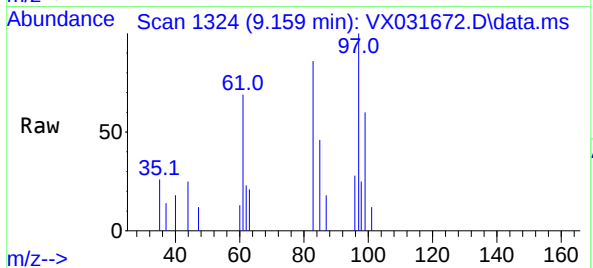




#55
1,1,2-Trichloroethane
Concen: 0.815 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

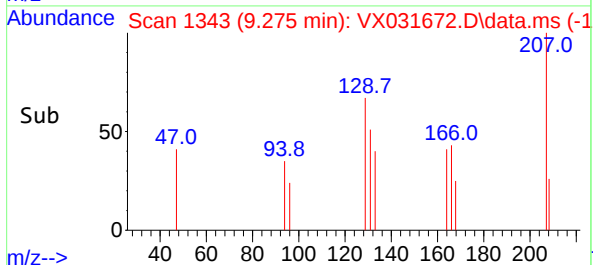
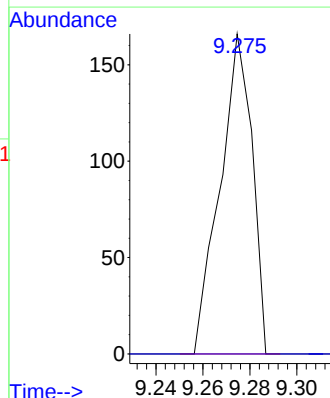
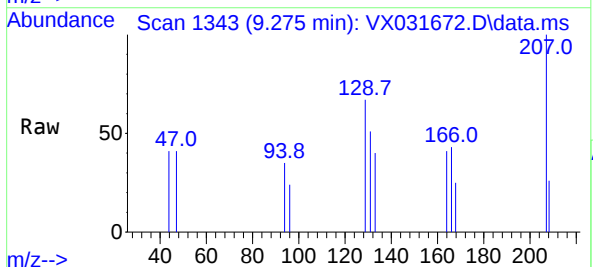
Instrument :
MSVOA_X
ClientSampleId :

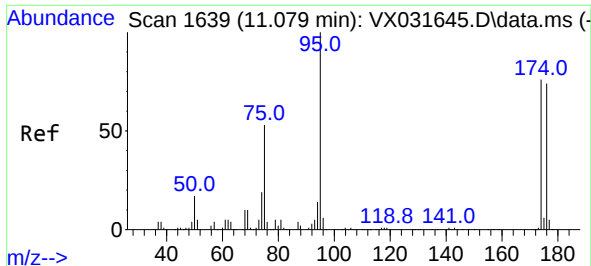
Tgt Ion: 97	Resp:	795	
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.0	103.6
85	46.1	44.1	66.1
99	59.6	51.3	76.9



#60
Dibromochloromethane
Concen: 1.674 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Tgt Ion:129	Resp:	157	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.7	116.1#

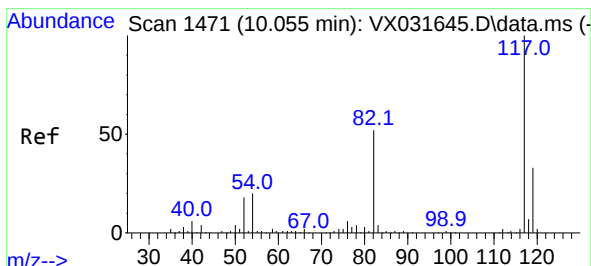
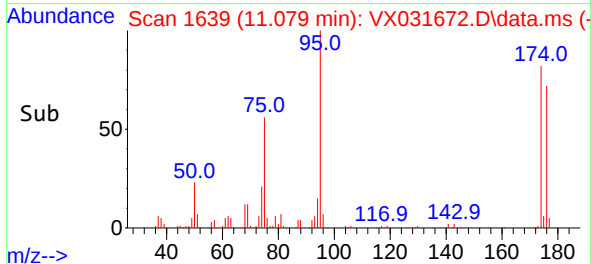
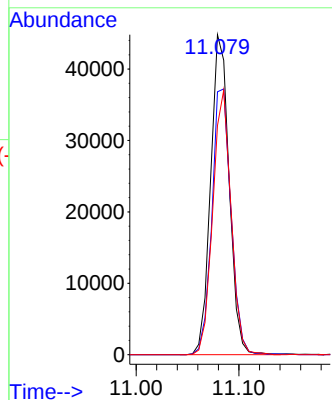
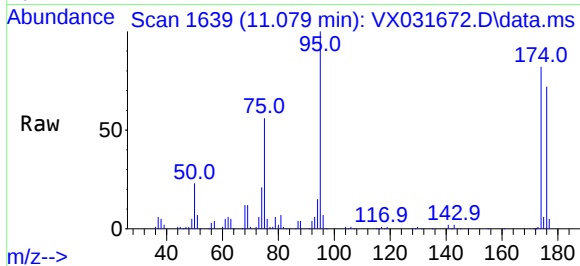




#62
4-Bromofluorobenzene
Concen: 43.733 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

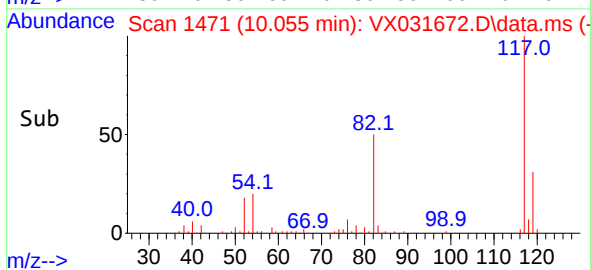
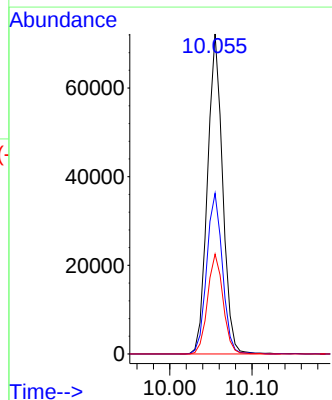
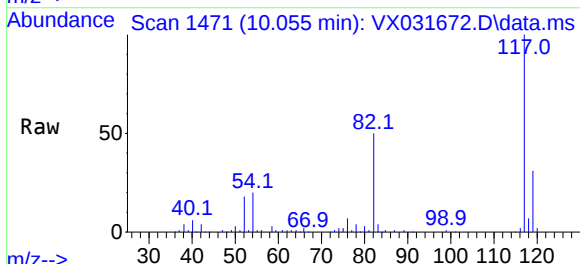
Instrument :
MSVOA_X
ClientSampleId :

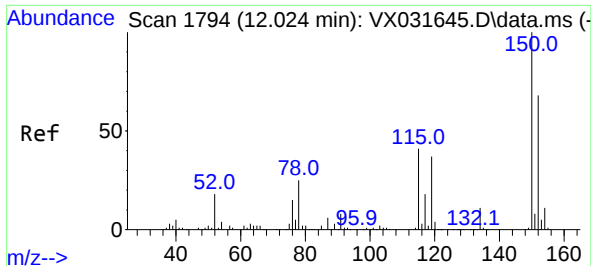
Tgt Ion: 95 Resp: 56027
Ion Ratio Lower Upper
95 100
174 86.1 0.0 153.2
176 81.7 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

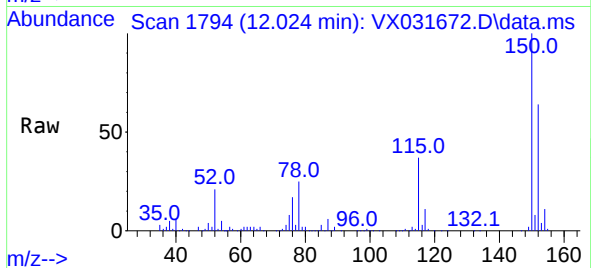
Tgt Ion: 117 Resp: 92481
Ion Ratio Lower Upper
117 100
82 50.2 46.8 70.2
119 31.2 26.4 39.6



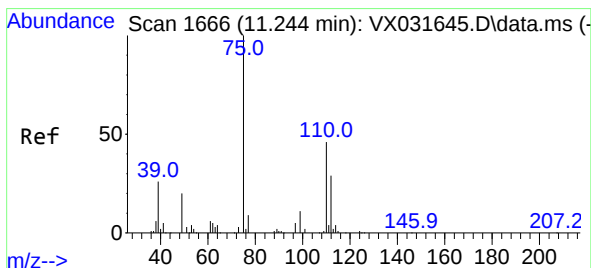
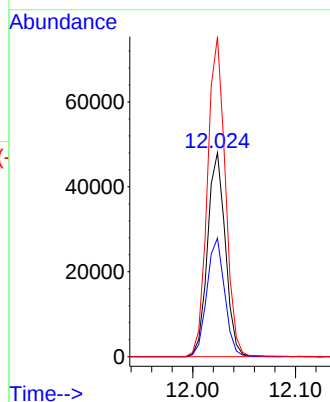
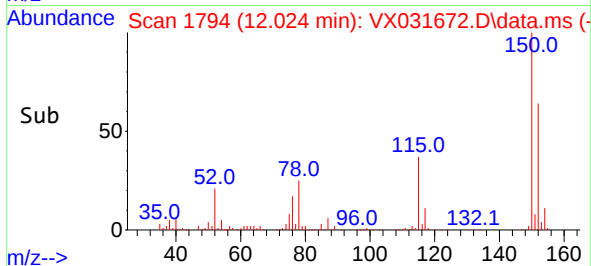


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

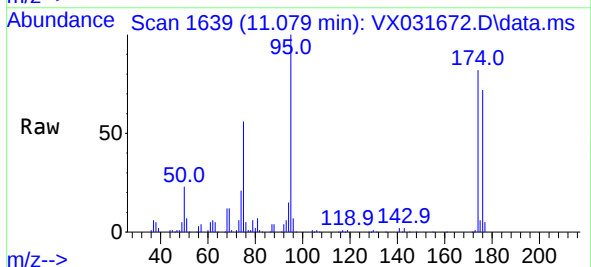
Instrument :
MSVOA_X
ClientSampleId :



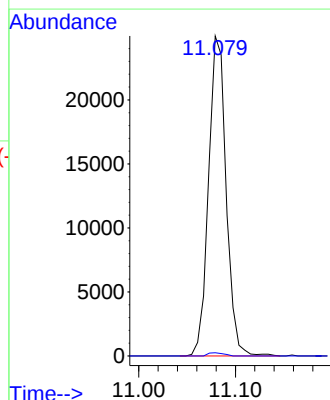
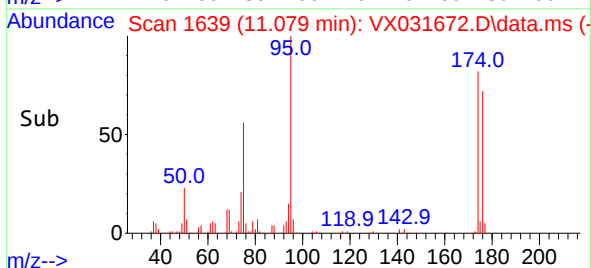
Tgt Ion:152 Resp: 58025
Ion Ratio Lower Upper
152 100
115 58.2 43.4 130.1
150 157.2 0.0 346.8

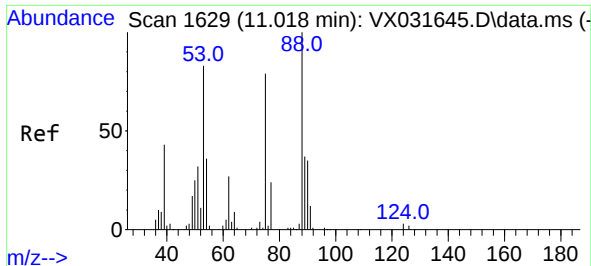


#76
1,2,3-Trichloropropane
Concen: 30.101 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11



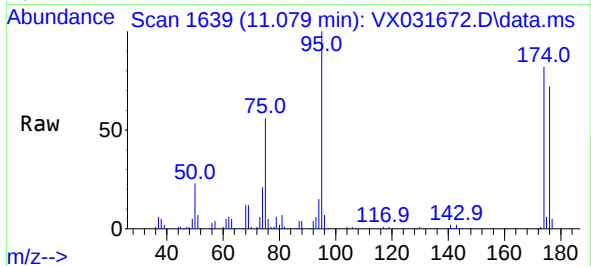
Tgt Ion: 75 Resp: 31664
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.205 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031672.D
Acq: 27 Sep 2022 01:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 31664
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

