

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072723\
 Data File : VX036672.D
 Acq On : 27 Jul 2023 13:27
 Operator : JC/MD
 Sample : 03767-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 06:11:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

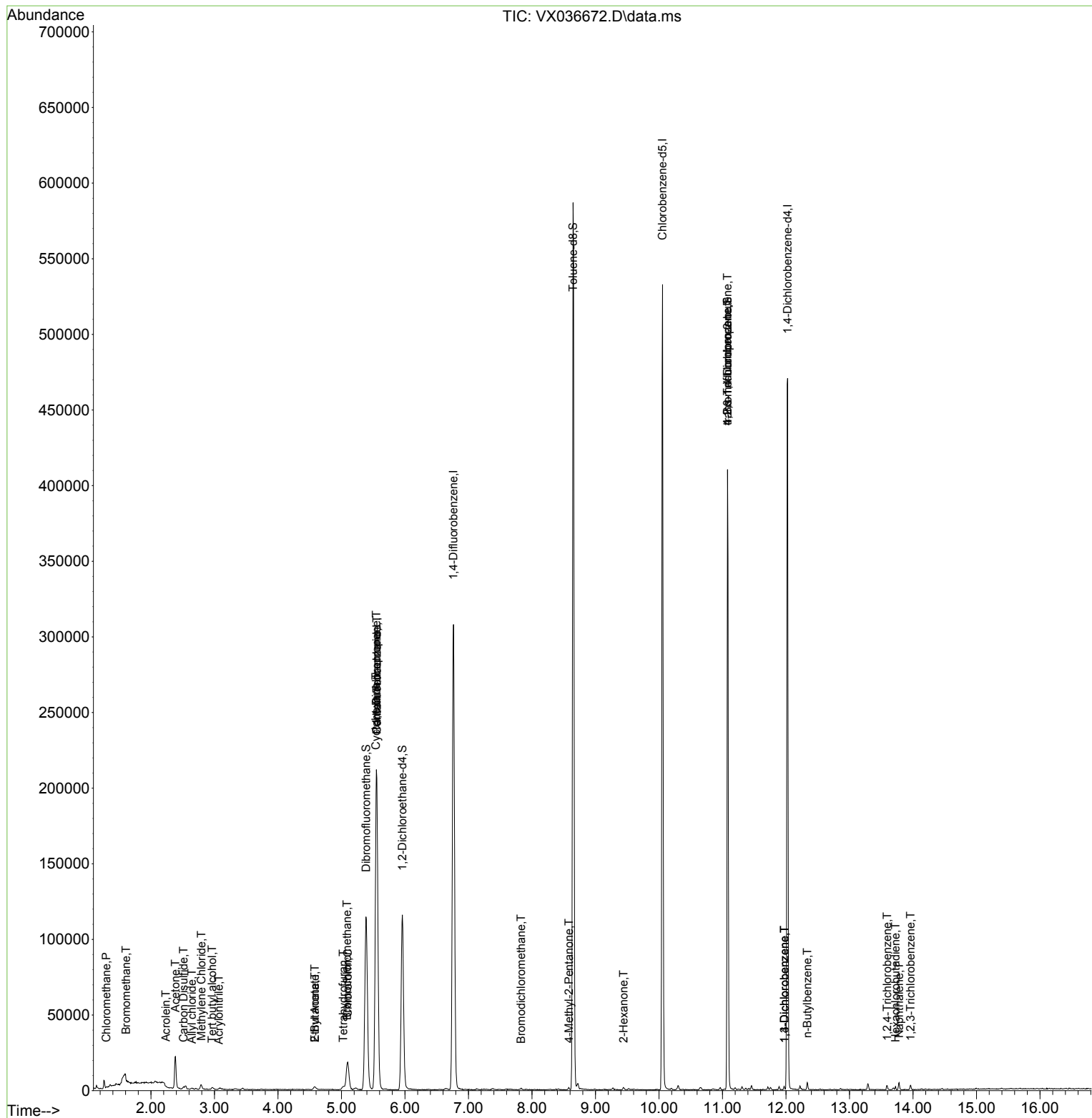
Internal Standards						
1) Pentafluorobenzene	5.556	168	198740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	316966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110723	37.653	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	75.300%#
35) Dibromofluoromethane	5.385	113	100792	46.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.520%
50) Toluene-d8	8.647	98	352148	45.580	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.160%#
62) 4-Bromofluorobenzene	11.079	95	110127	37.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.560%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	739	0.309	ug/l	100
5) Bromomethane	1.606	94	343	0.236	ug/l #	42
11) Tert butyl alcohol	2.965	59	1520	2.183	ug/l	96
13) Acrolein	2.233	56	416	1.047	ug/l #	14
14) Allyl chloride	2.642	41	1120	0.256	ug/l #	41
15) Acrylonitrile	3.069	53	416	0.297	ug/l	98
16) Acetone	2.386	43	23186	19.001	ug/l #	88
17) Carbon Disulfide	2.514	76	1350	0.220	ug/l #	86
20) Methylene Chloride	2.794	84	1707	0.629	ug/l	94
25) 2-Butanone	4.581	43	2978	1.504	ug/l #	87
28) Bromochloromethane	5.087	49	1917	0.850	ug/l #	16
29) Tetrahydrofuran	5.026	42	2234	1.750	ug/l	96
30) Chloroform	5.099	83	22023	4.614	ug/l	96
31) Cyclohexane	5.544	56	4657	1.144	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	16382	5.045	ug/l #	51
37) Ethyl Acetate	4.581	43	2978	0.810	ug/l #	69
38) Carbon Tetrachloride	5.556	117	20828	6.033	ug/l #	16
47) Bromodichloromethane	7.830	83	830	0.229	ug/l #	90
51) 4-Methyl-2-Pentanone	8.580	43	968	0.276	ug/l #	87
59) 2-Hexanone	9.439	43	1109	0.427	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	57054	24.868	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57054	56.365	ug/l #	5
87) 1,3-Dichlorobenzene	11.976	146	773	0.227	ug/l	89
88) 1,4-Dichlorobenzene	11.976	146	773	0.229	ug/l	90
89) n-Butylbenzene	12.335	91	1637	0.269	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	907	0.448	ug/l	91
94) Hexachlorobutadiene	13.725	225	242	0.289	ug/l #	64
95) Naphthalene	13.780	128	3055	0.433	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	848	0.425	ug/l	96

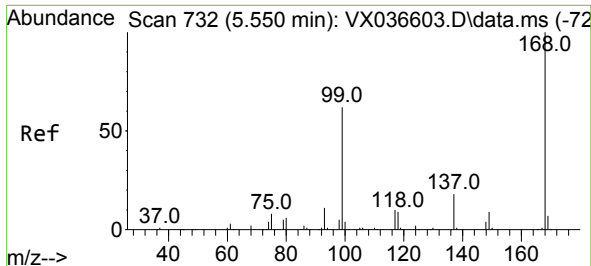
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072723\
Data File : VX036672.D
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MSVOA_X
ClientSampleId :

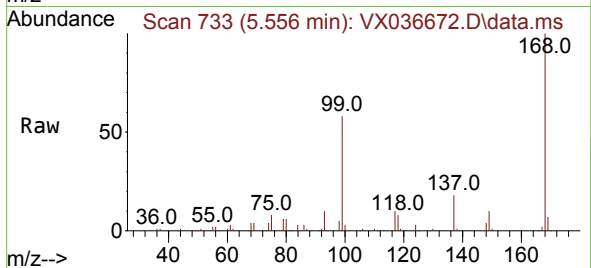
Quant Time: Jul 28 06:11:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



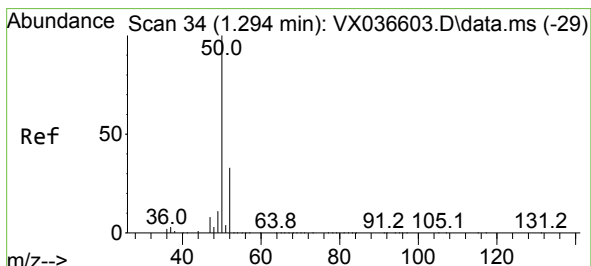
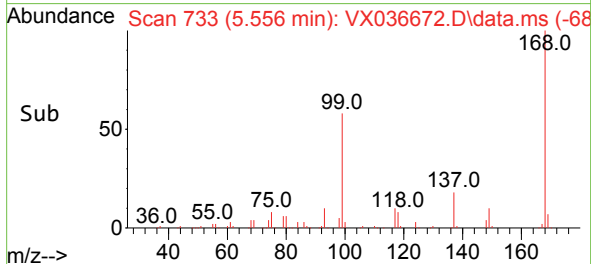
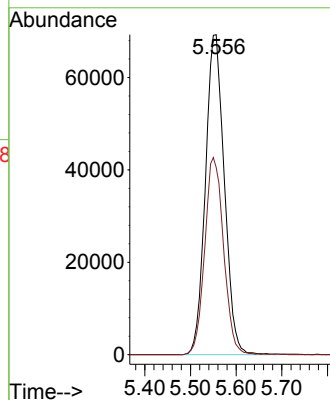


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

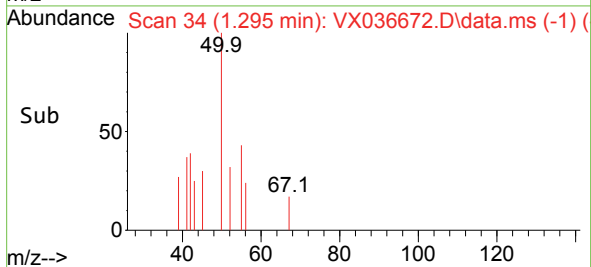
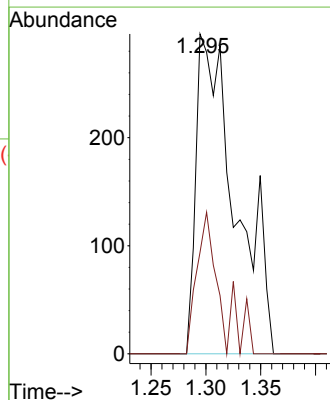
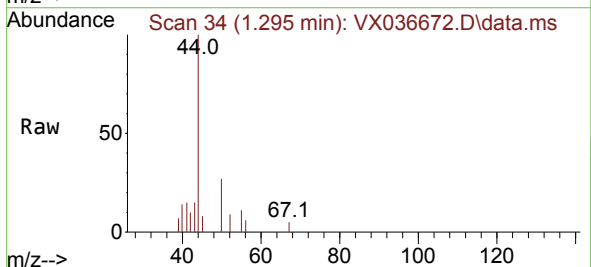


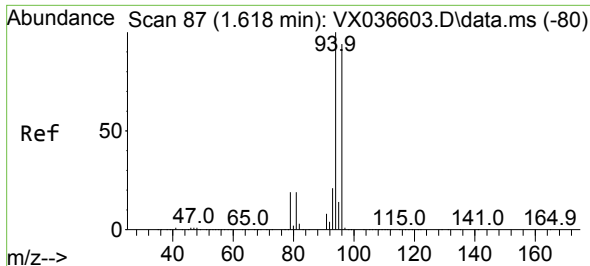
Tgt Ion:168 Resp: 198740
Ion Ratio Lower Upper
168 100
99 58.5 56.6 85.0



#3
Chloromethane
Concen: 0.309 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

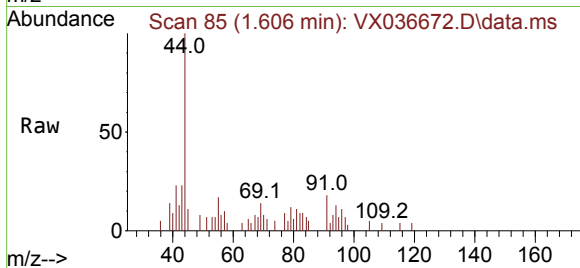
Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 31.8 25.5 38.3



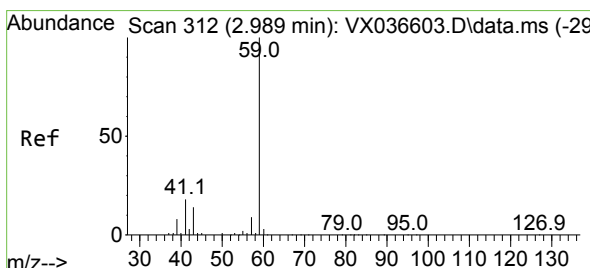
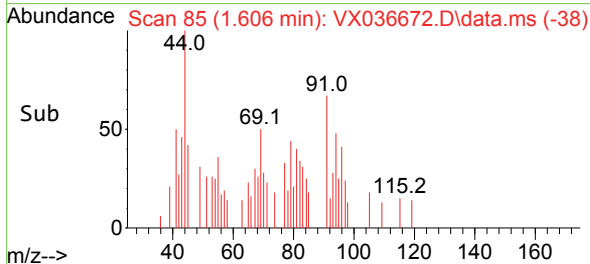
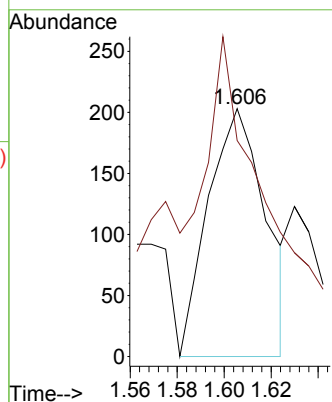


#5
Bromomethane
Concen: 0.236 ug/l
RT: 1.606 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

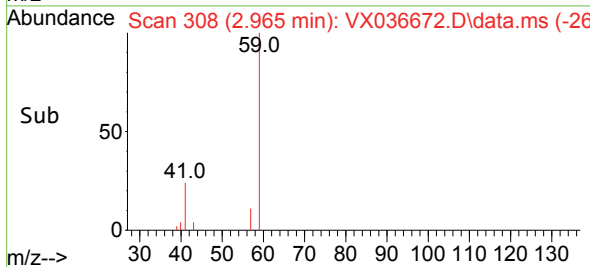
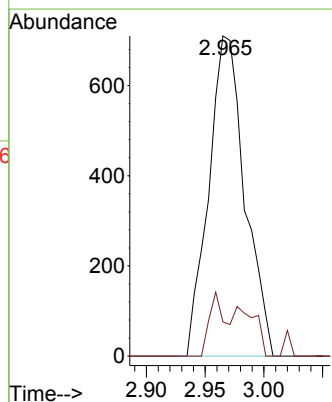
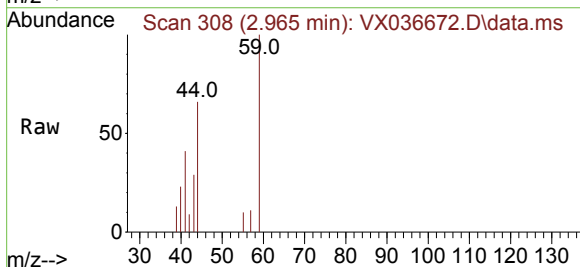


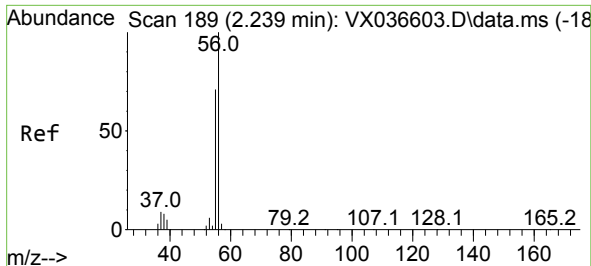
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 37.4 74.6 111.8#



#11
Tert butyl alcohol
Concen: 2.183 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion: 59 Resp: 1520
Ion Ratio Lower Upper
59 100
57 8.8 6.0 9.0





#13

Acrolein

Concen: 1.047 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

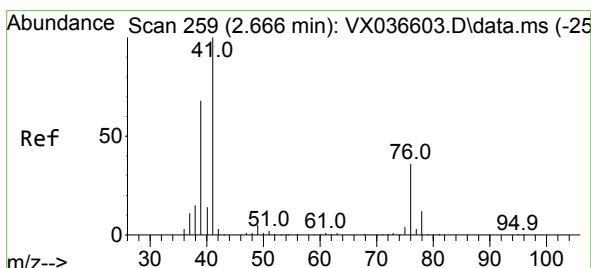
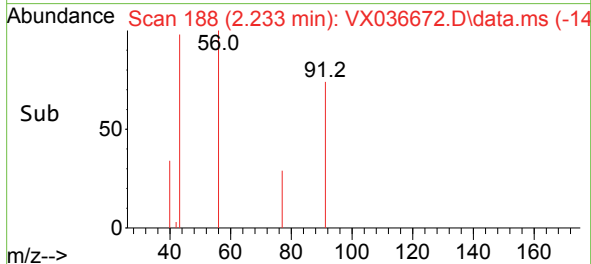
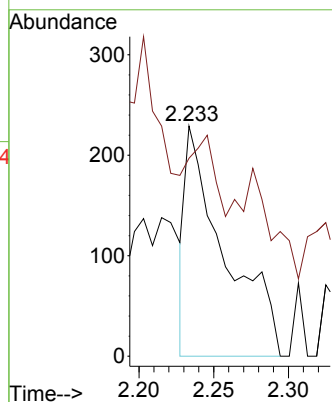
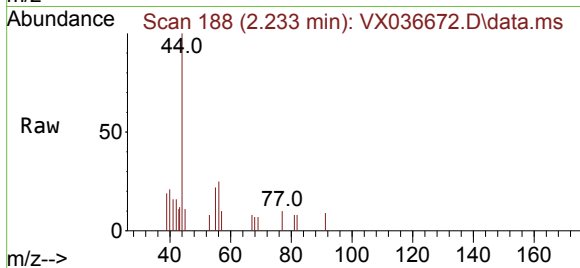
ClientSampleId :

Tgt Ion: 56 Resp: 416

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.256 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.024 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

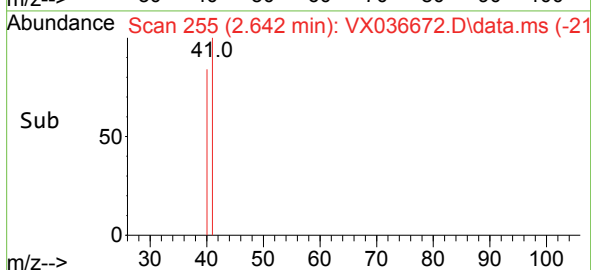
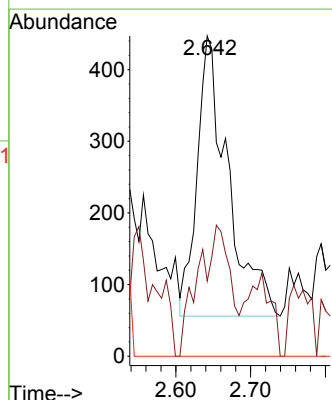
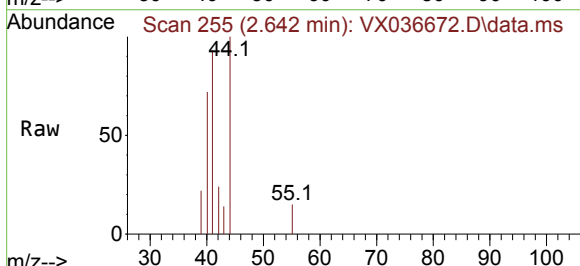
Tgt Ion: 41 Resp: 1120

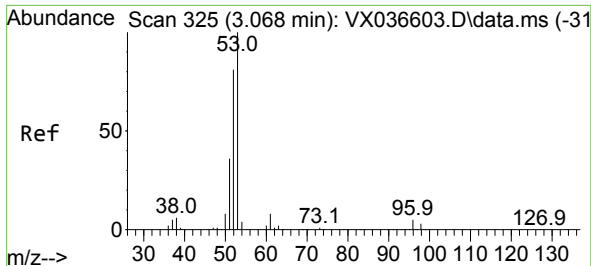
Ion Ratio Lower Upper

41 100

39 19.9 55.8 83.6#

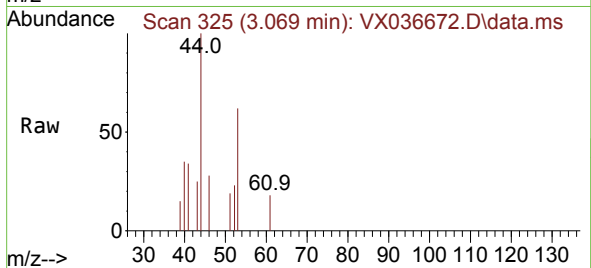
76 0.0 24.3 36.5#



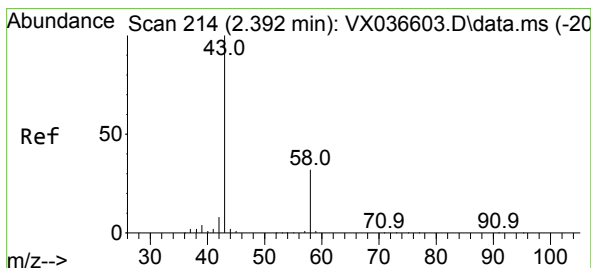
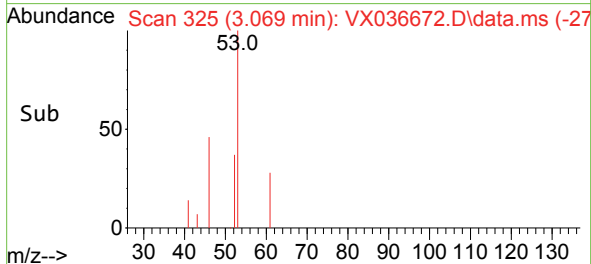
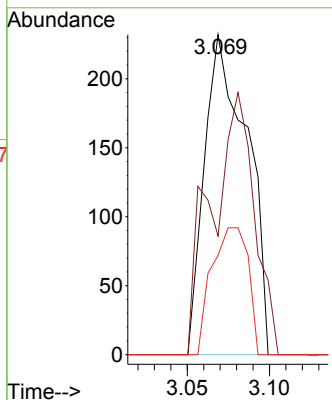


#15
Acrylonitrile
Concen: 0.297 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

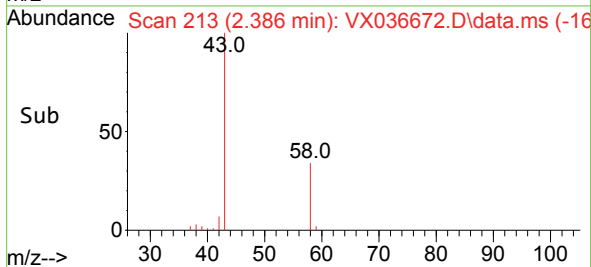
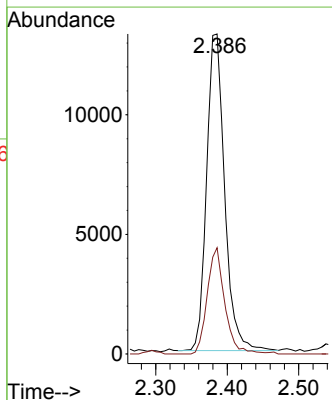
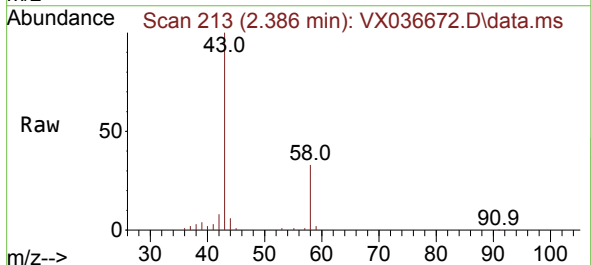


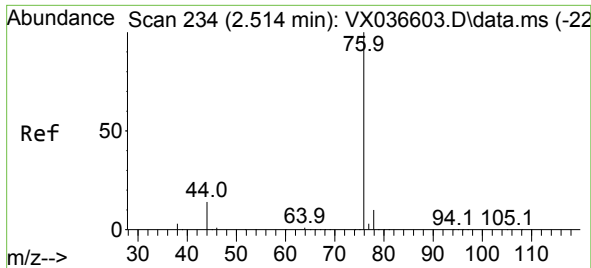
Tgt Ion: 53 Resp: 416
Ion Ratio Lower Upper
53 100
52 82.9 66.0 99.0
51 34.1 29.8 44.6



#16
Acetone
Concen: 19.001 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion: 43 Resp: 23186
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#

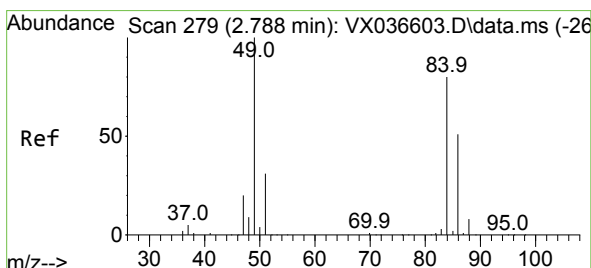
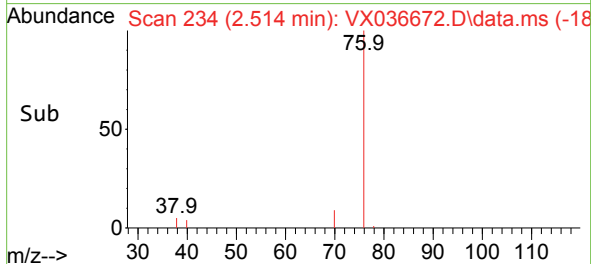
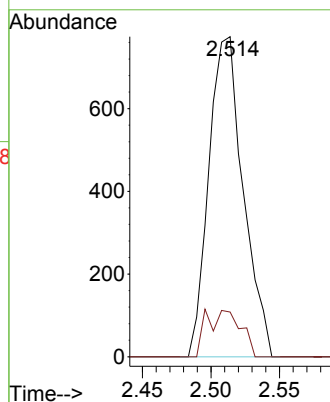
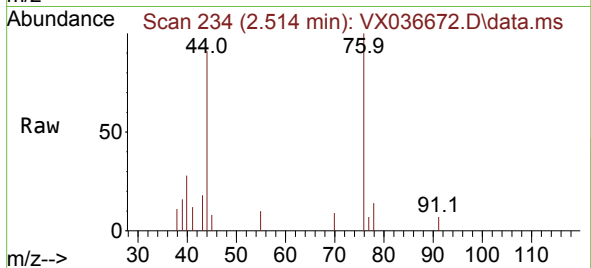




#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

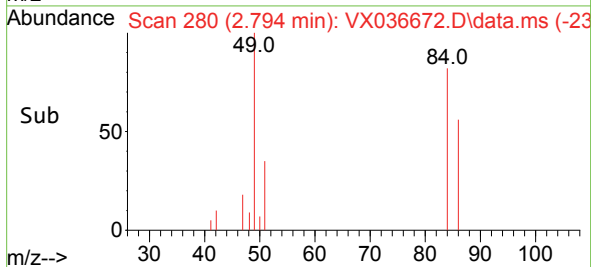
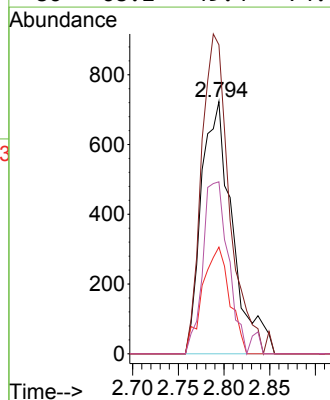
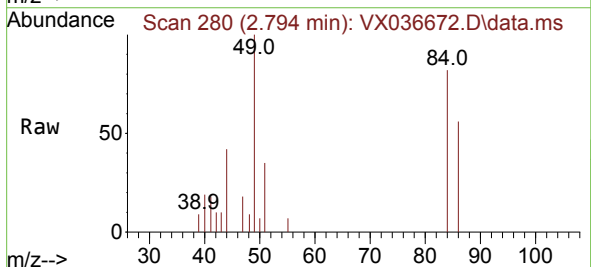
Instrument :
MSVOA_X
ClientSampleId :

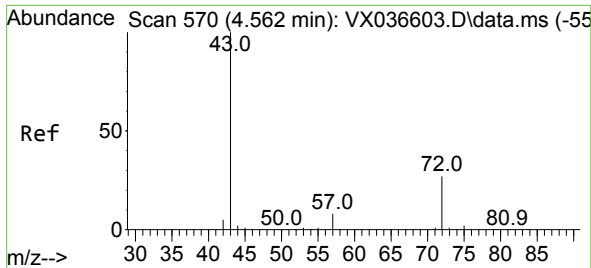
Tgt Ion: 76 Resp: 1350
Ion Ratio Lower Upper
76 100
78 14.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.629 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion: 84 Resp: 1707
Ion Ratio Lower Upper
84 100
49 122.5 103.6 155.4
51 42.3 33.8 50.6
86 68.2 49.4 74.0

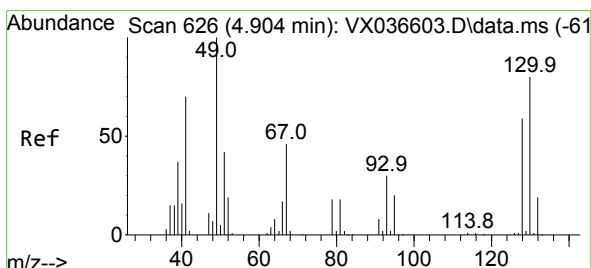
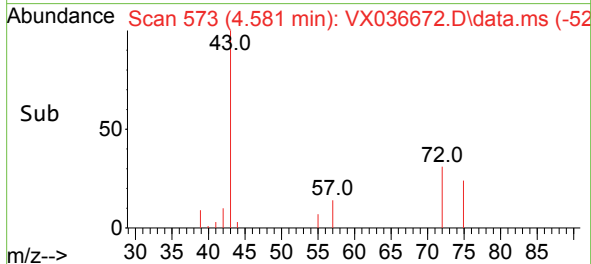
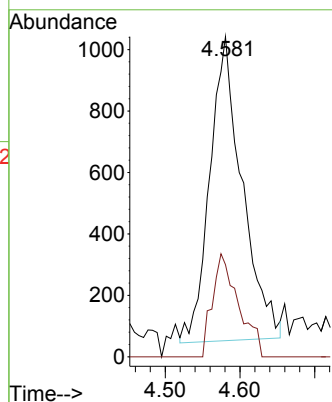
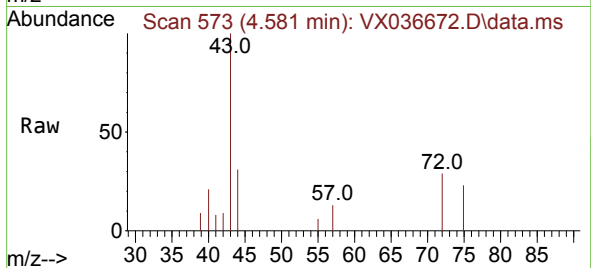




#25
2-Butanone
Concen: 1.504 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

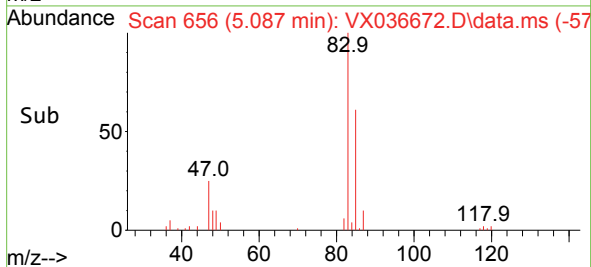
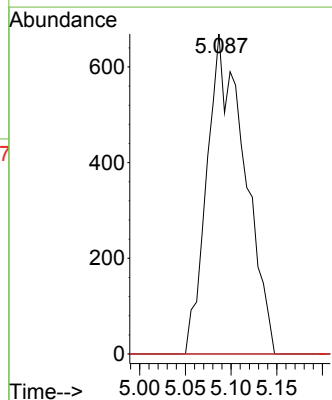
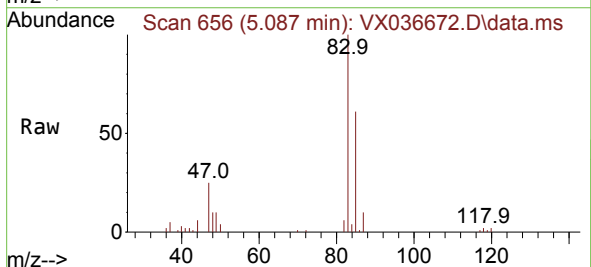
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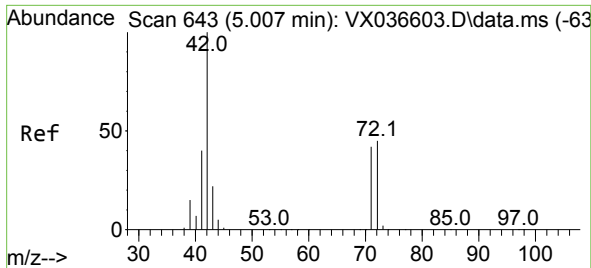
Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
72 30.6 19.4 29.2#



#28
Bromochloromethane
Concen: 0.850 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.183 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion: 49 Resp: 1917
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#29

Tetrahydrofuran

Concen: 1.750 ug/l

RT: 5.026 min Scan# 643

Delta R.T. 0.018 min

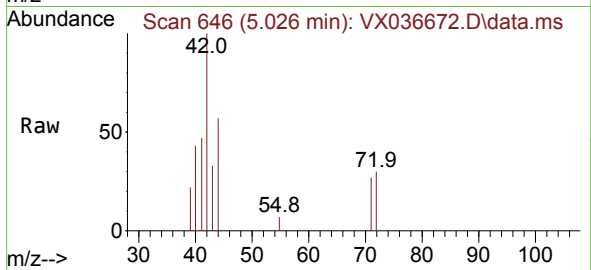
Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :



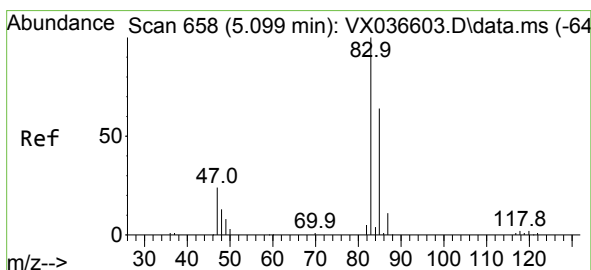
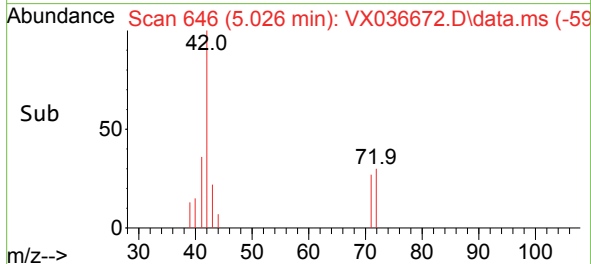
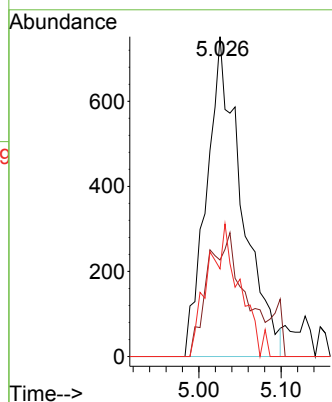
Tgt Ion: 42 Resp: 2234

Ion Ratio Lower Upper

42 100

72 40.4 34.2 51.4

71 37.4 32.2 48.2



#30

Chloroform

Concen: 4.614 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX036672.D

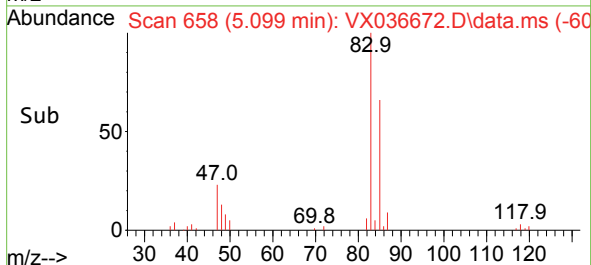
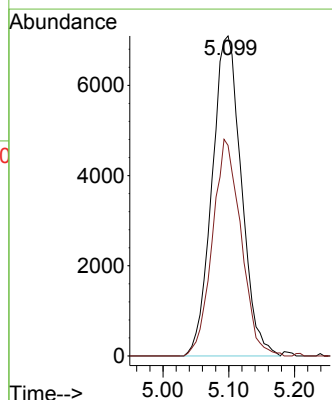
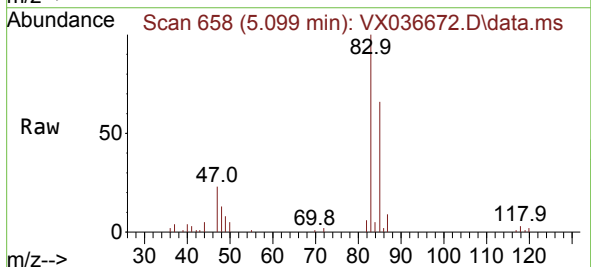
Acq: 27 Jul 2023 13:27

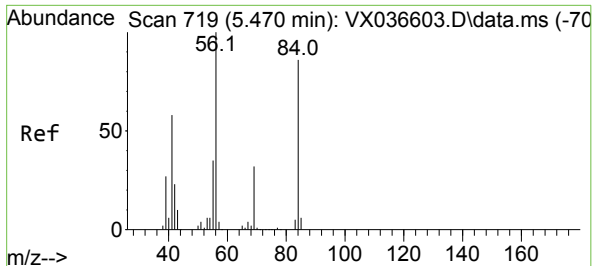
Tgt Ion: 83 Resp: 22023

Ion Ratio Lower Upper

83 100

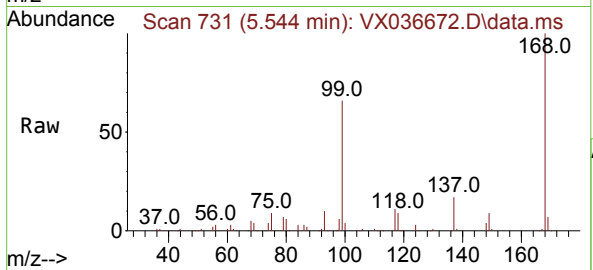
85 65.8 50.3 75.5



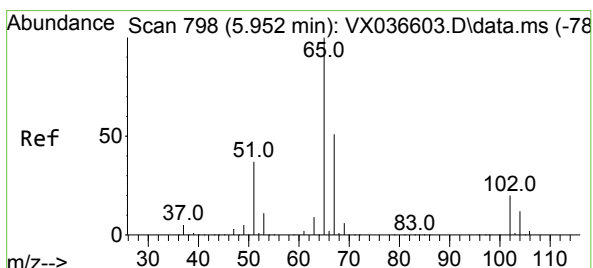
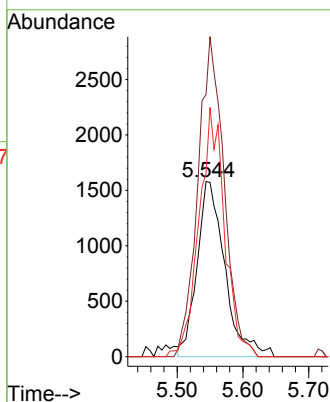
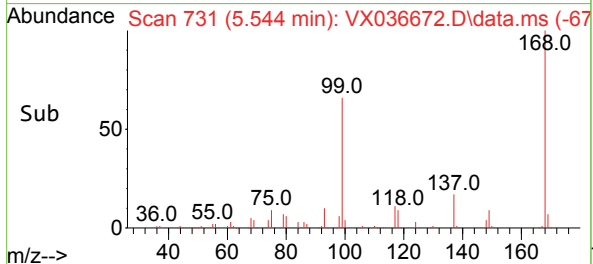


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

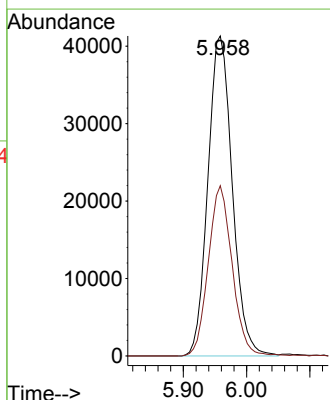
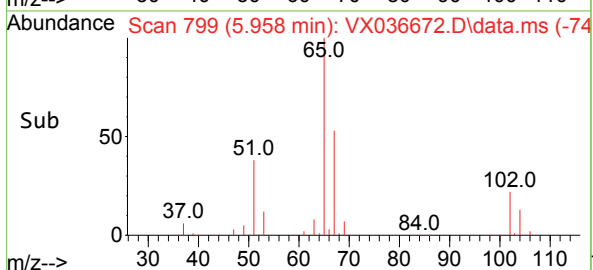
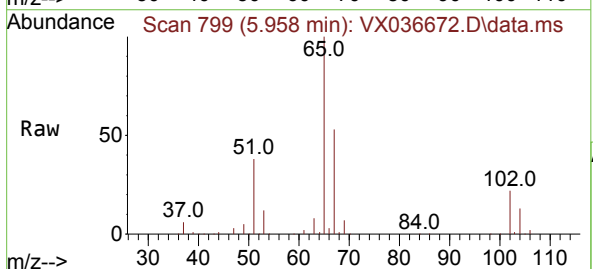


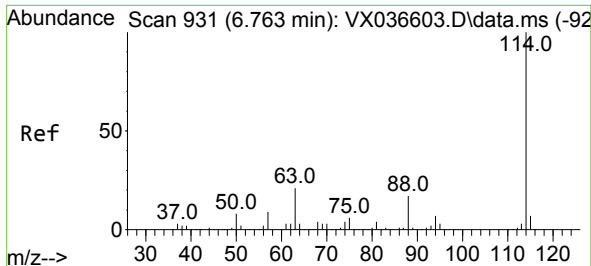
Tgt Ion: 56 Resp: 4657
Ion Ratio Lower Upper
56 100
69 149.6 23.4 35.2#
84 104.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 37.653 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

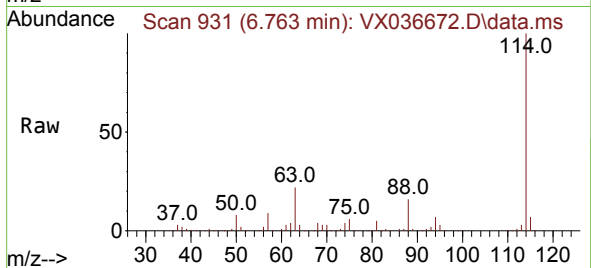
Tgt Ion: 65 Resp: 110723
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2



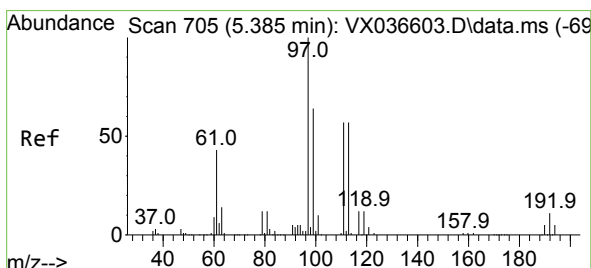
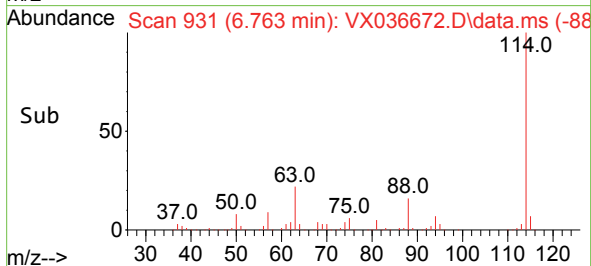
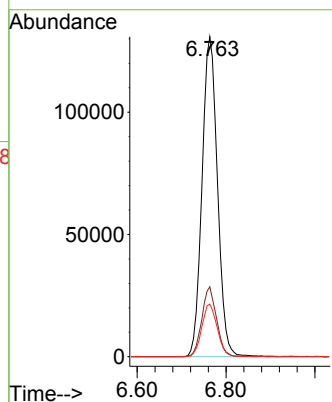


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

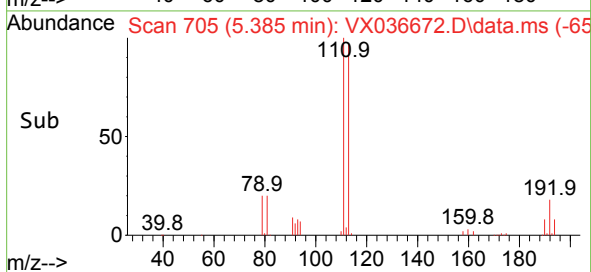
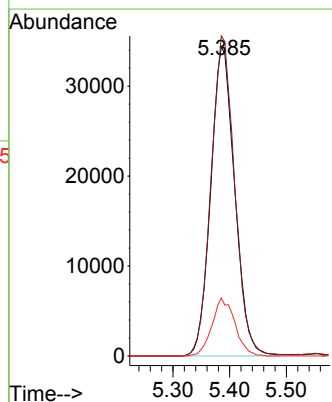
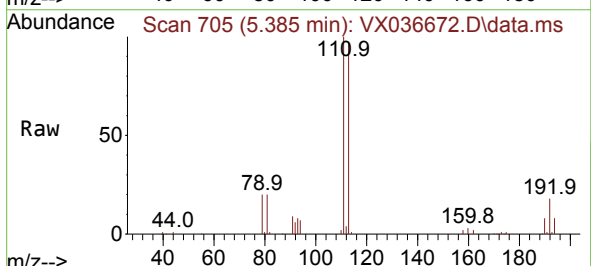


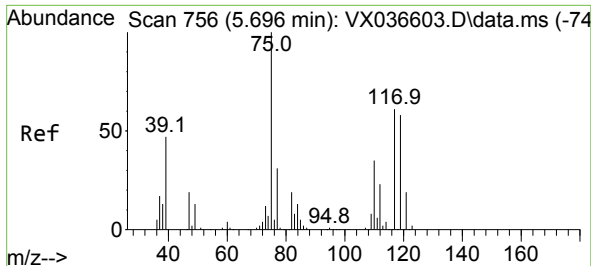
Tgt Ion:114 Resp: 316966
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.264 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

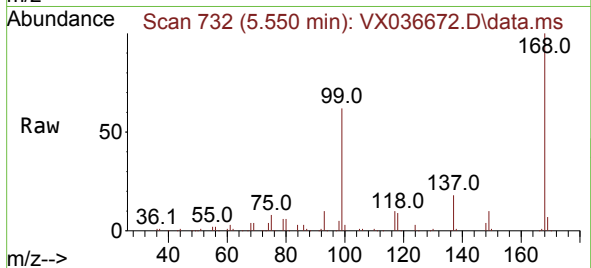
Tgt Ion:113 Resp: 100792
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.9 13.3 19.9



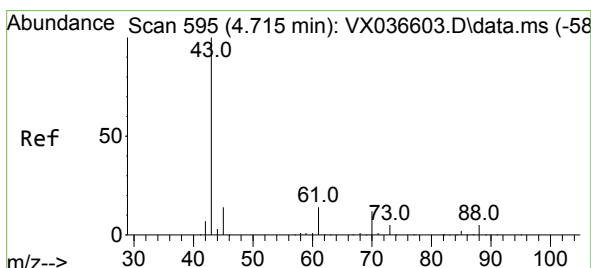
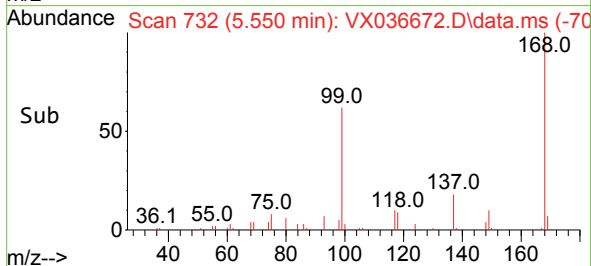
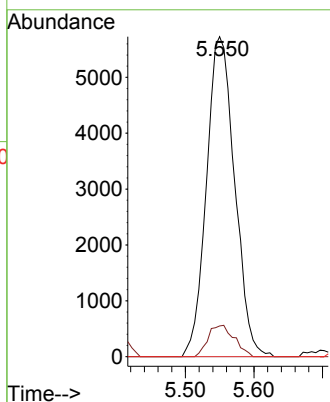


#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Instrument :
MSVOA_X
ClientSampleId :

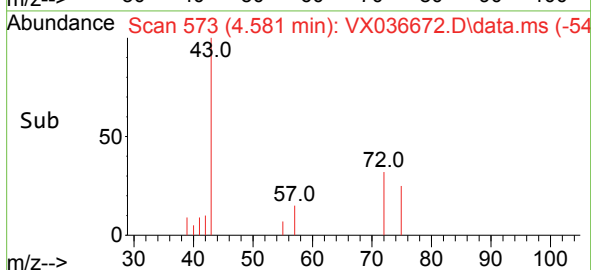
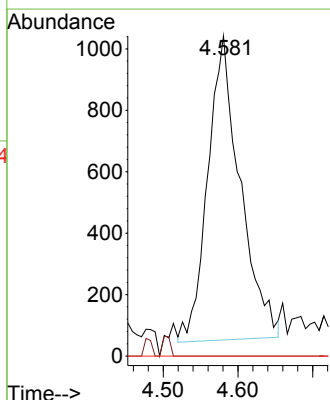
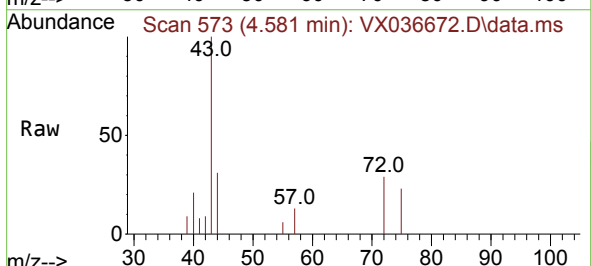


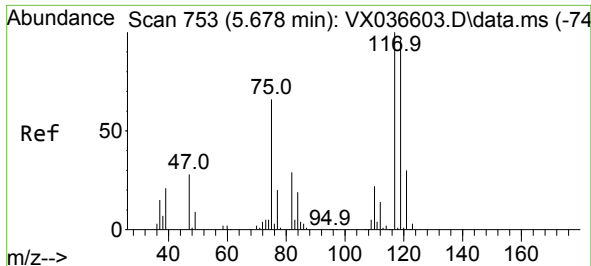
Tgt Ion: 75 Resp: 16382
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.810 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.134 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

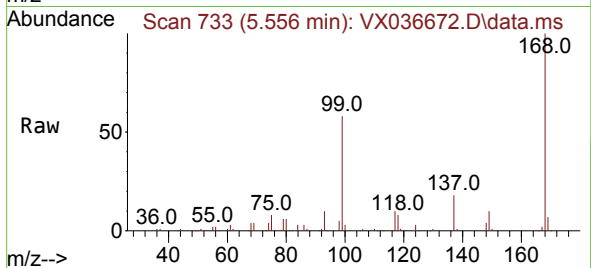
Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



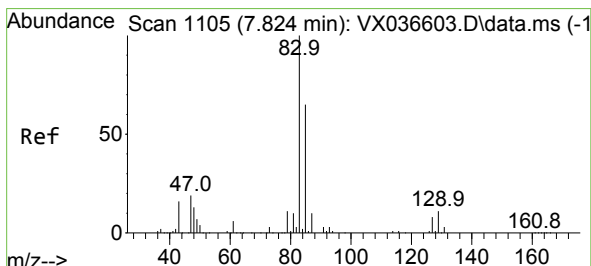
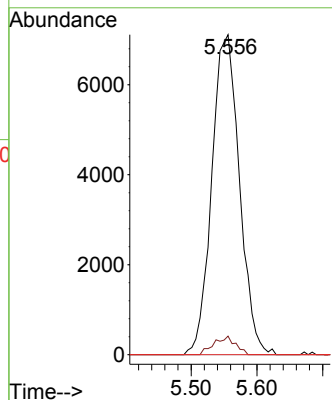
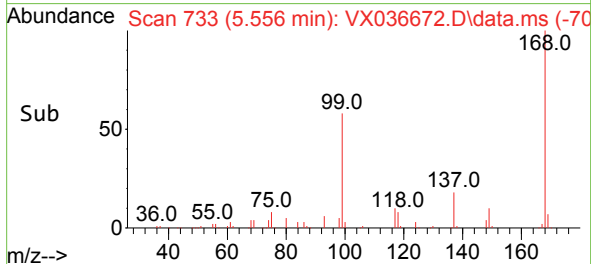


#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

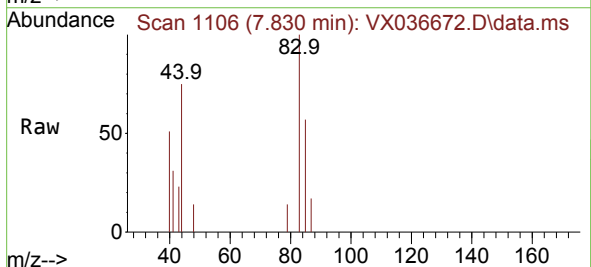
Instrument :
MSVOA_X
ClientSampleId :



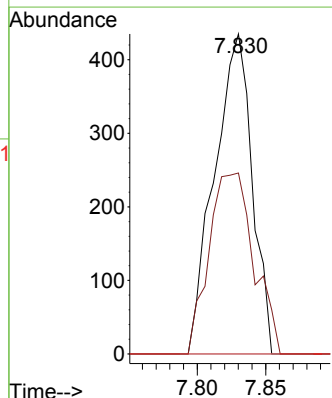
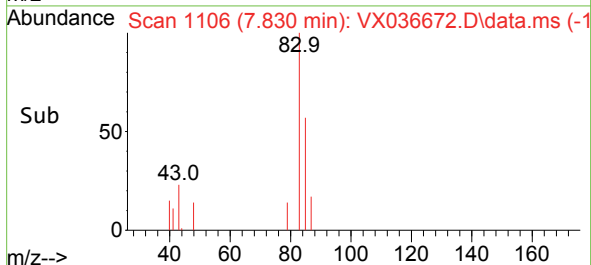
Tgt Ion:117 Resp: 20828
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

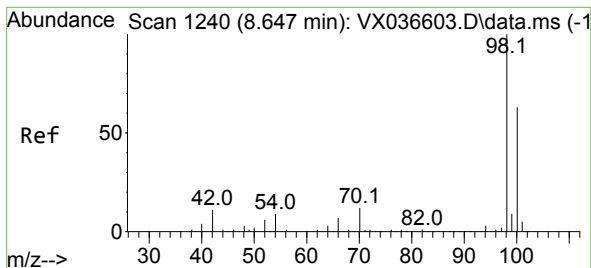


#47
Bromodichloromethane
Concen: 0.229 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27



Tgt Ion: 83 Resp: 830
Ion Ratio Lower Upper
83 100
85 56.6 49.8 74.6
127 0.0 7.1 10.7#





#50

Toluene-d8

Concen: 45.580 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

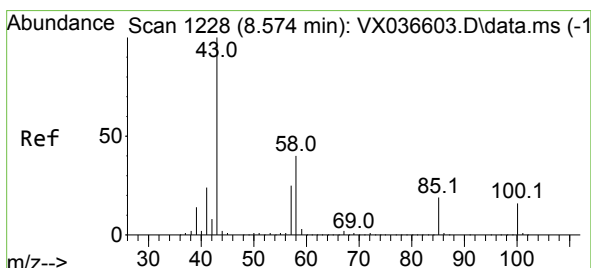
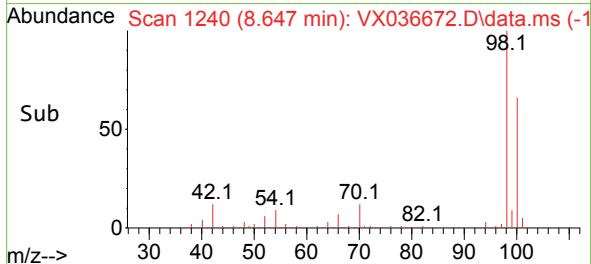
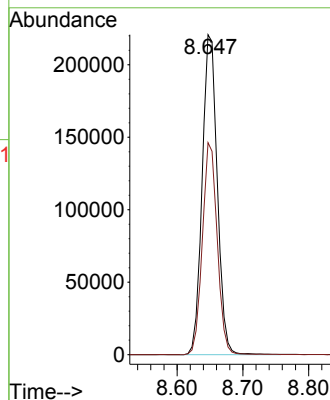
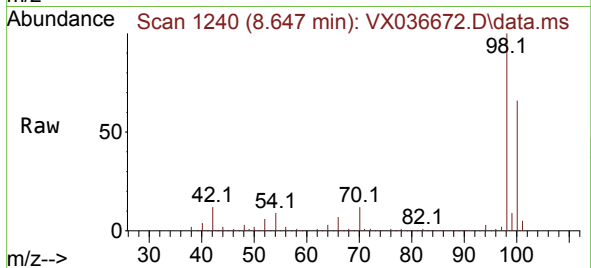
ClientSampleId :

Tgt Ion: 98 Resp: 352148

Ion Ratio Lower Upper

98 100

100 65.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.276 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX036672.D

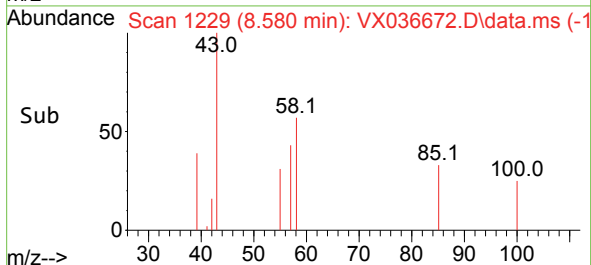
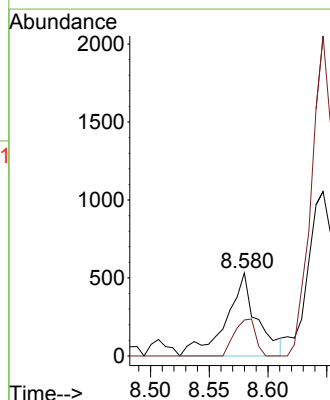
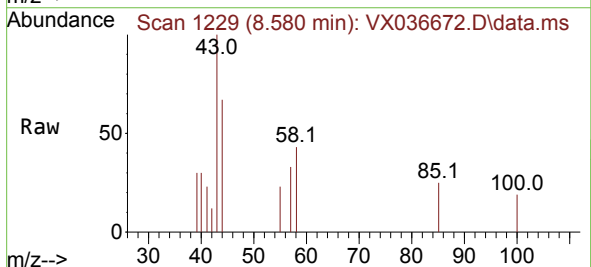
Acq: 27 Jul 2023 13:27

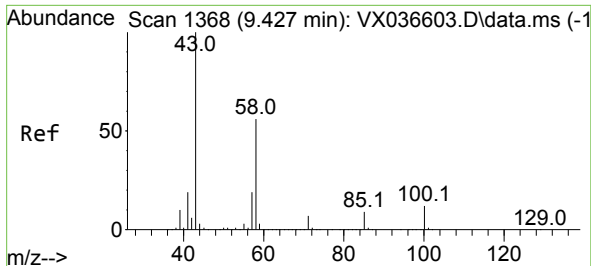
Tgt Ion: 43 Resp: 968

Ion Ratio Lower Upper

43 100

58 30.4 30.4 45.6#

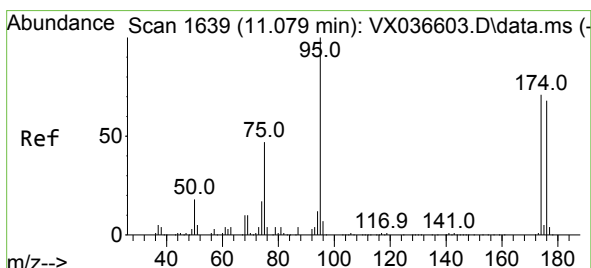
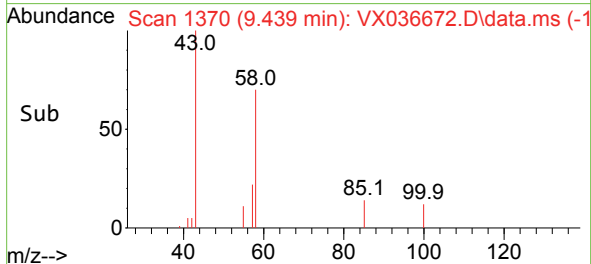
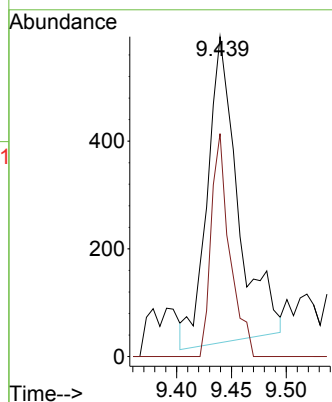
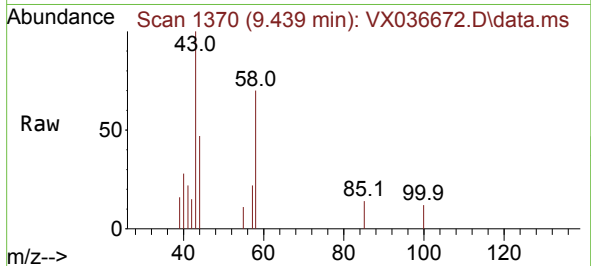




#59
2-Hexanone
Concen: 0.427 ug/l
RT: 9.439 min Scan# 1109
Delta R.T. 0.012 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

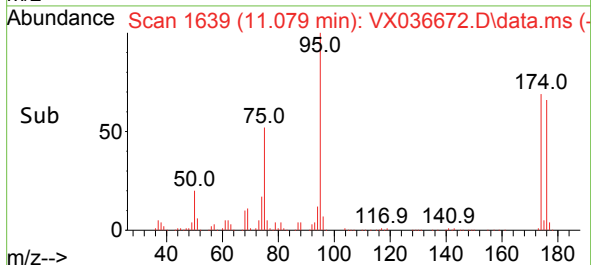
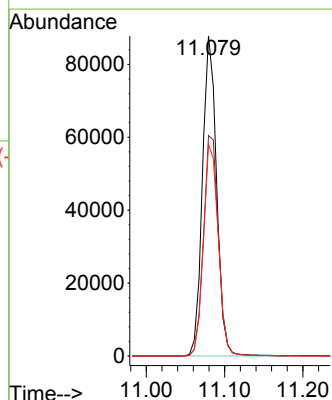
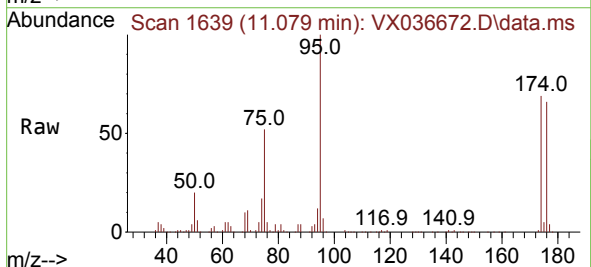
Instrument :
MSVOA_X
ClientSampleId :

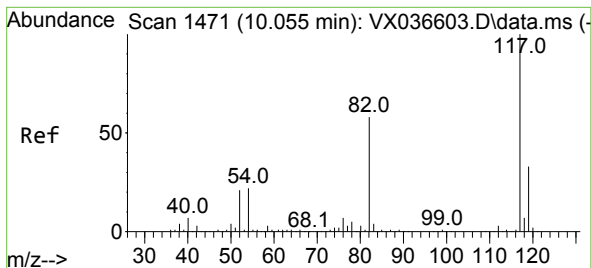
Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 43.8 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 37.781 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion: 95 Resp: 110127
Ion Ratio Lower Upper
95 100
174 72.5 0.0 135.6
176 69.1 0.0 131.0

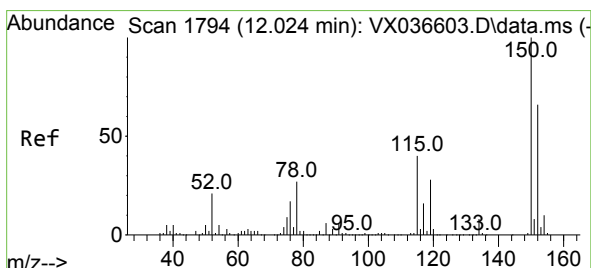
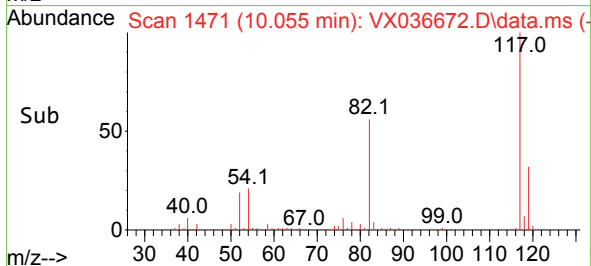
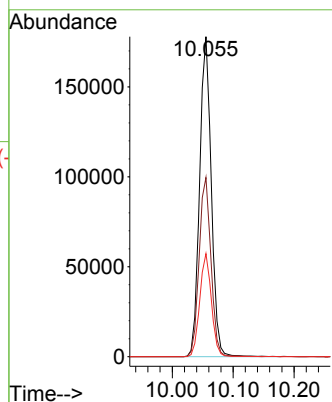
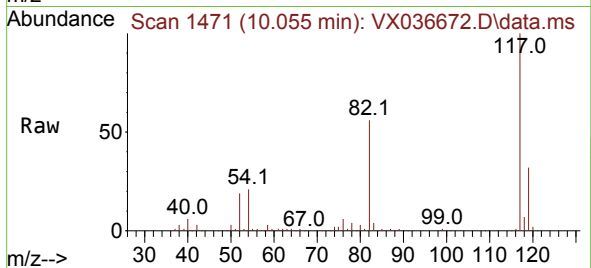




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

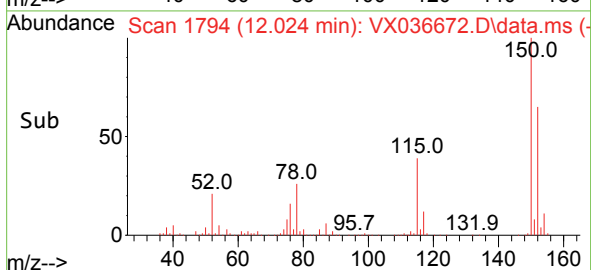
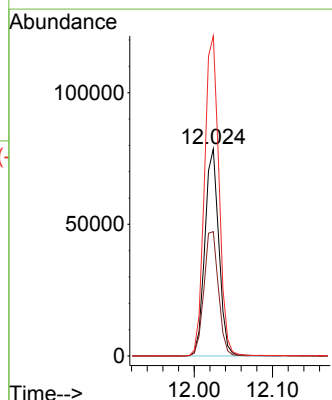
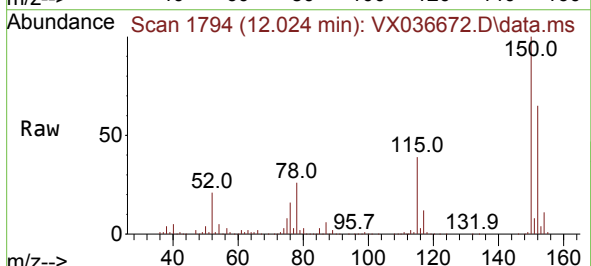
Instrument :
MSVOA_X
ClientSampleId :

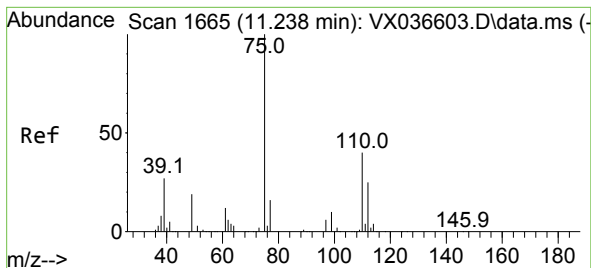
Tgt Ion:117 Resp: 236426
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

Tgt Ion:152 Resp: 97541
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 159.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.868 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

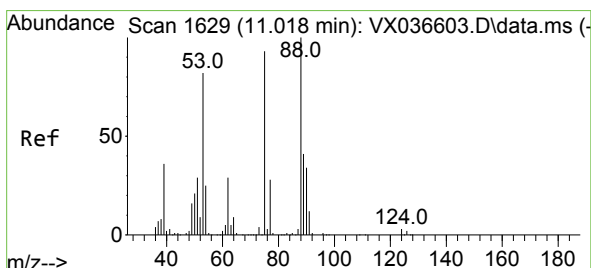
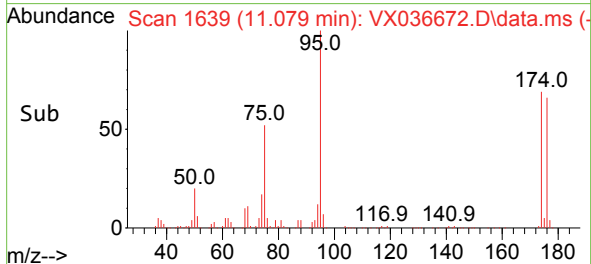
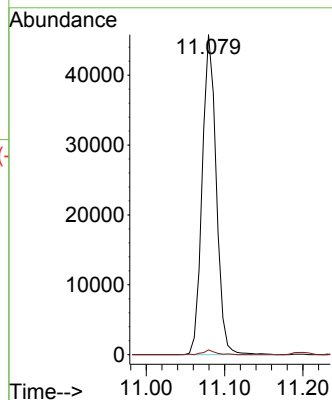
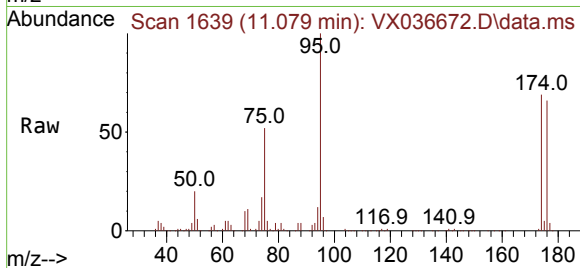
ClientSampleId :

Tgt Ion: 75 Resp: 57054

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.365 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

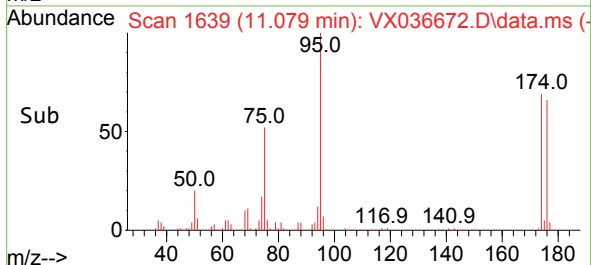
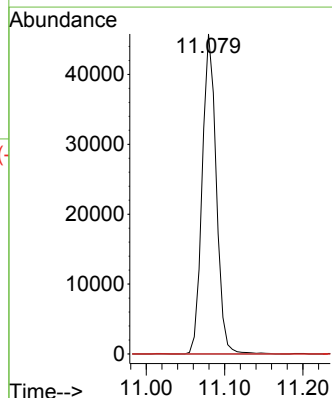
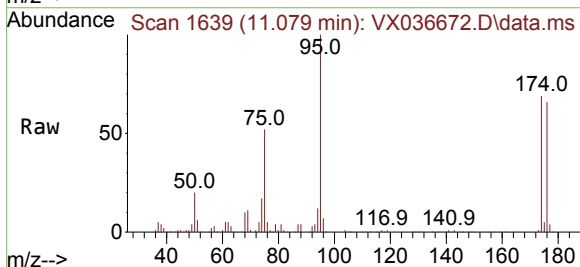
Tgt Ion: 75 Resp: 57054

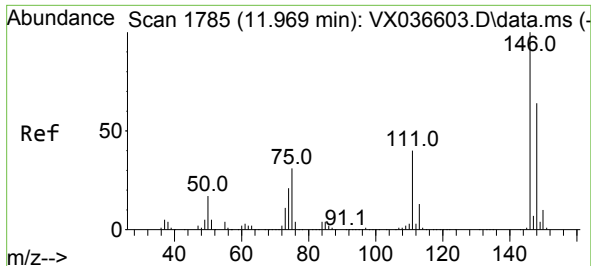
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.227 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :

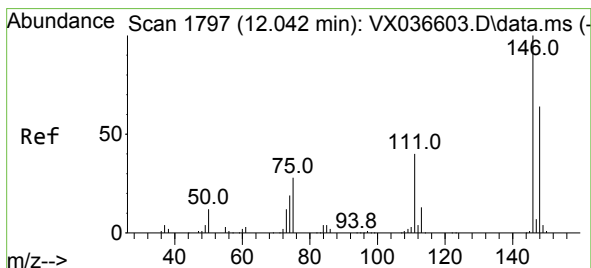
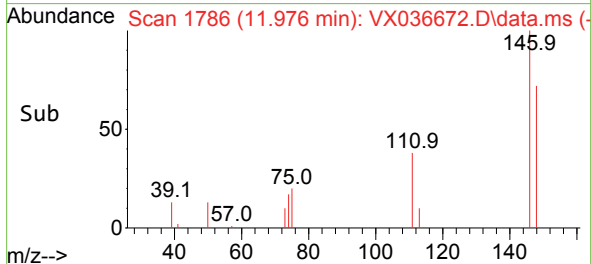
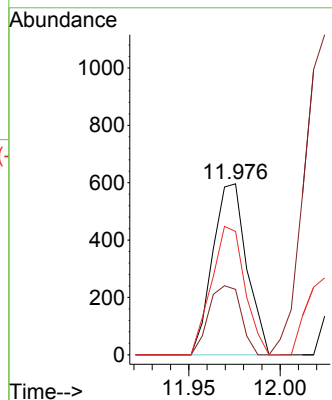
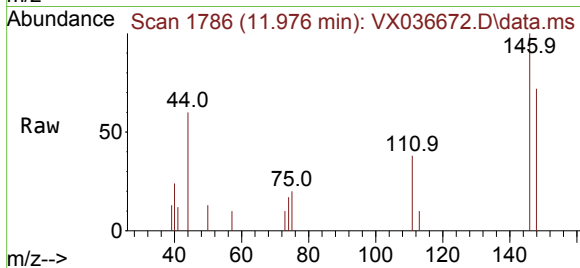
Tgt Ion:146 Resp: 773

Ion Ratio Lower Upper

146 100

111 38.4 22.1 66.1

148 73.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.229 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

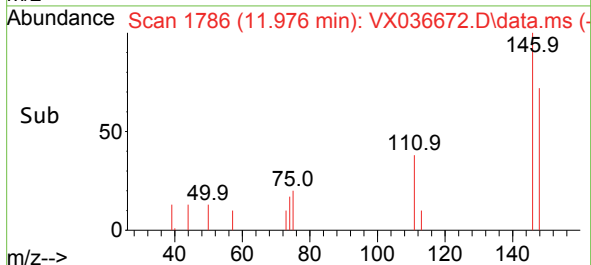
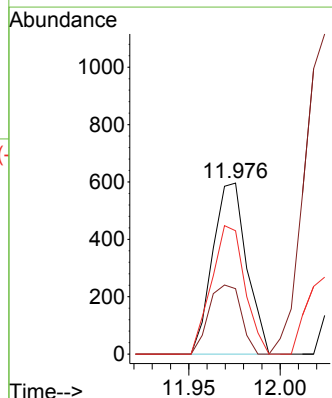
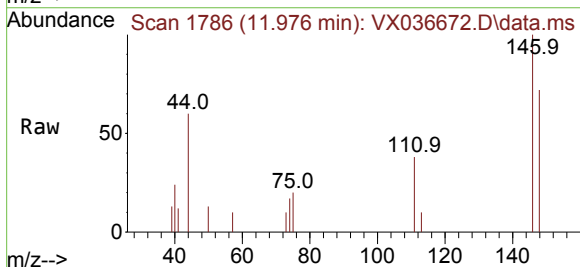
Tgt Ion:146 Resp: 773

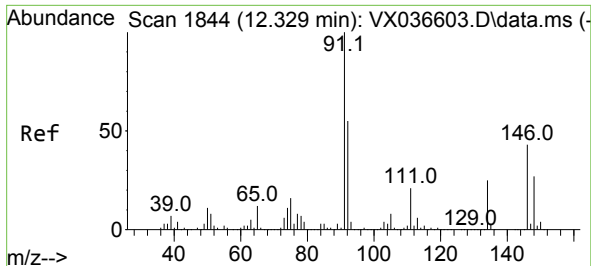
Ion Ratio Lower Upper

146 100

111 38.4 21.3 63.7

148 73.6 31.8 95.4





#89

n-Butylbenzene

Concen: 0.269 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :

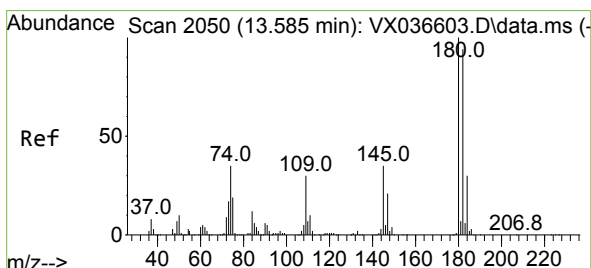
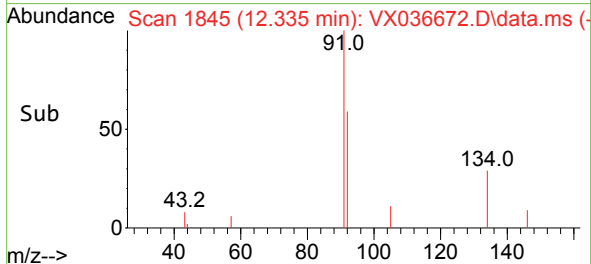
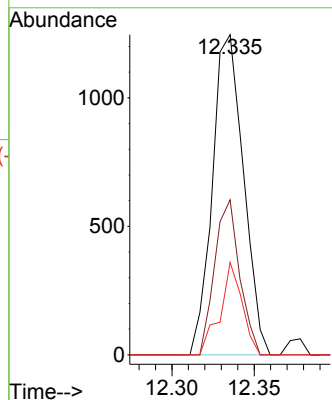
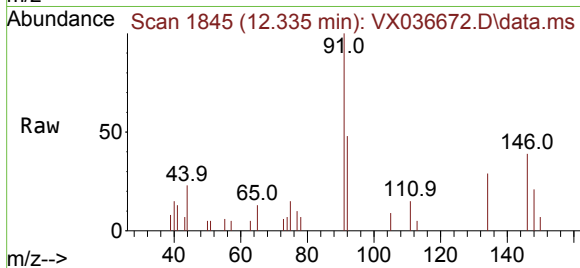
Tgt Ion: 91 Resp: 1637

Ion Ratio Lower Upper

91 100

92 38.9 27.4 82.0

134 20.5 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.448 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX036672.D

Acq: 27 Jul 2023 13:27

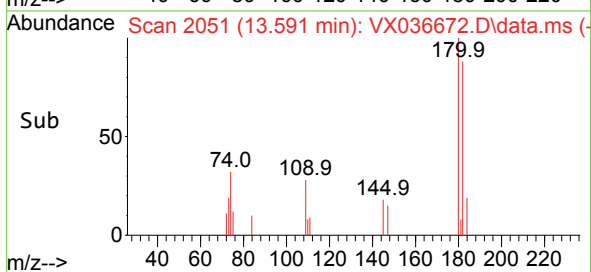
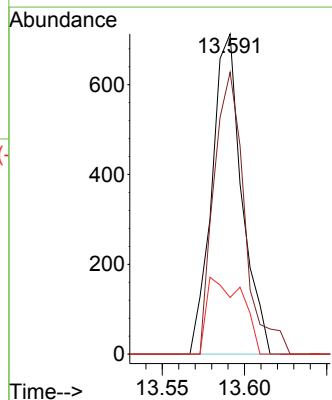
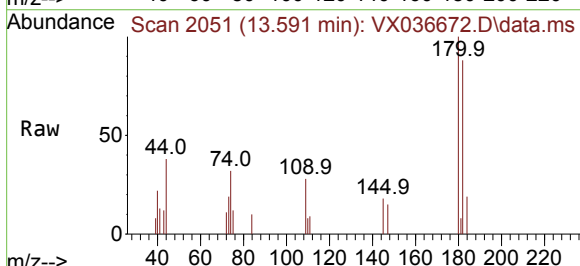
Tgt Ion: 180 Resp: 907

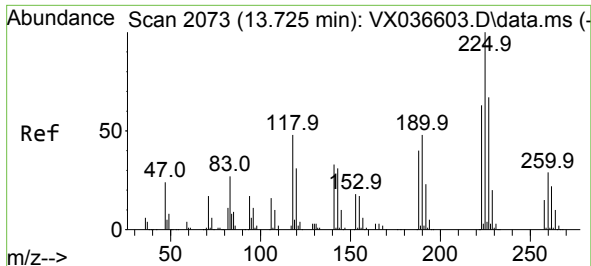
Ion Ratio Lower Upper

180 100

182 89.9 48.3 144.8

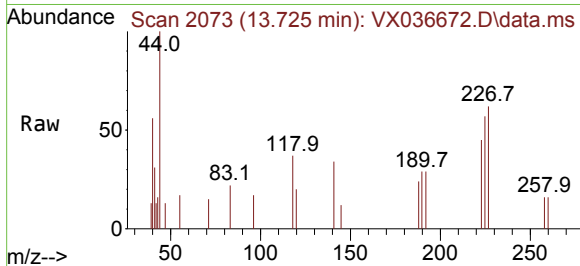
145 27.9 18.0 54.0



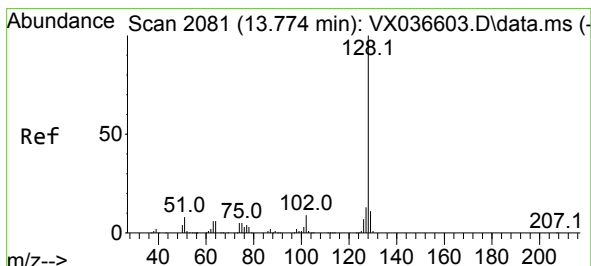
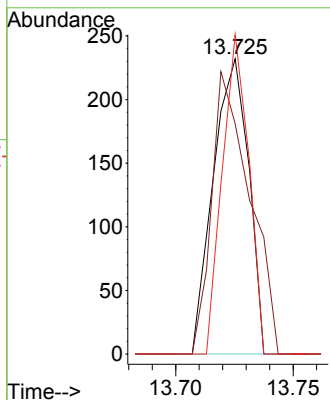
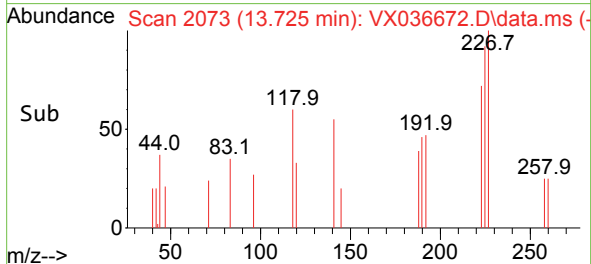


#94
Hexachlorobutadiene
Concen: 0.289 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27

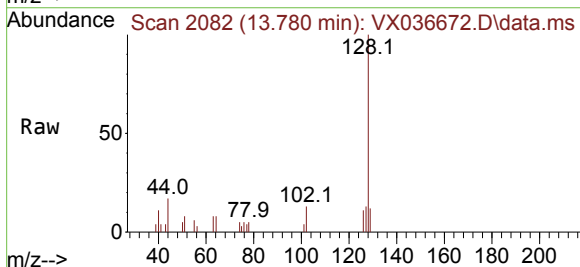
Instrument :
MSVOA_X
ClientSampleId :



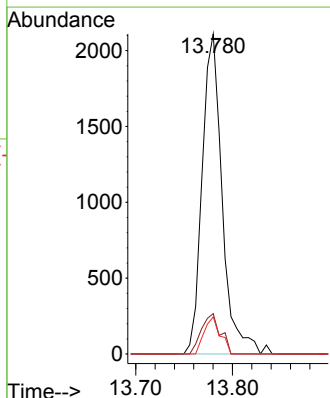
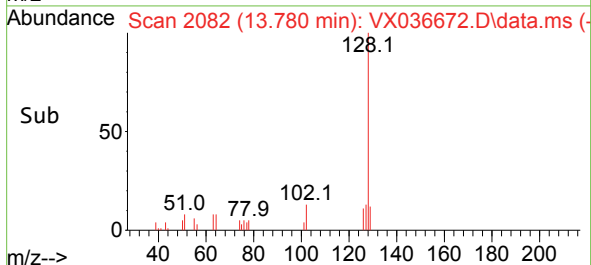
Tgt Ion:225 Resp: 242
Ion Ratio Lower Upper
225 100
223 102.9 31.1 93.2#
227 81.0 32.5 97.5

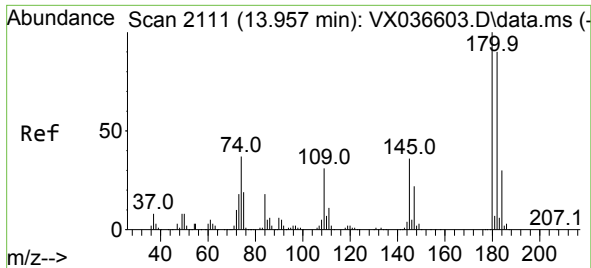


#95
Naphthalene
Concen: 0.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036672.D
Acq: 27 Jul 2023 13:27



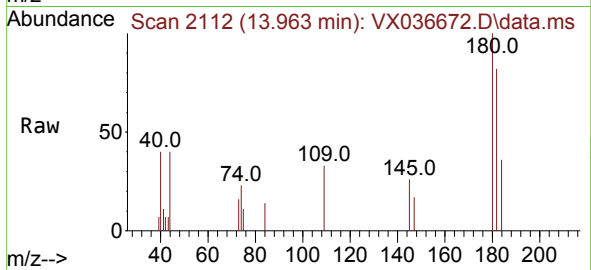
Tgt Ion:128 Resp: 3055
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 9.3 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.425 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX036672.D
 Acq: 27 Jul 2023 13:27

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	848
Ion	Ratio	Lower	Upper
180	100		
182	89.4	46.9	140.6
145	36.7	17.8	53.5

