

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072723\
 Data File : VX036668.D
 Acq On : 27 Jul 2023 11:45
 Operator : JC/MD
 Sample : VX0727MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 06:08:39 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)

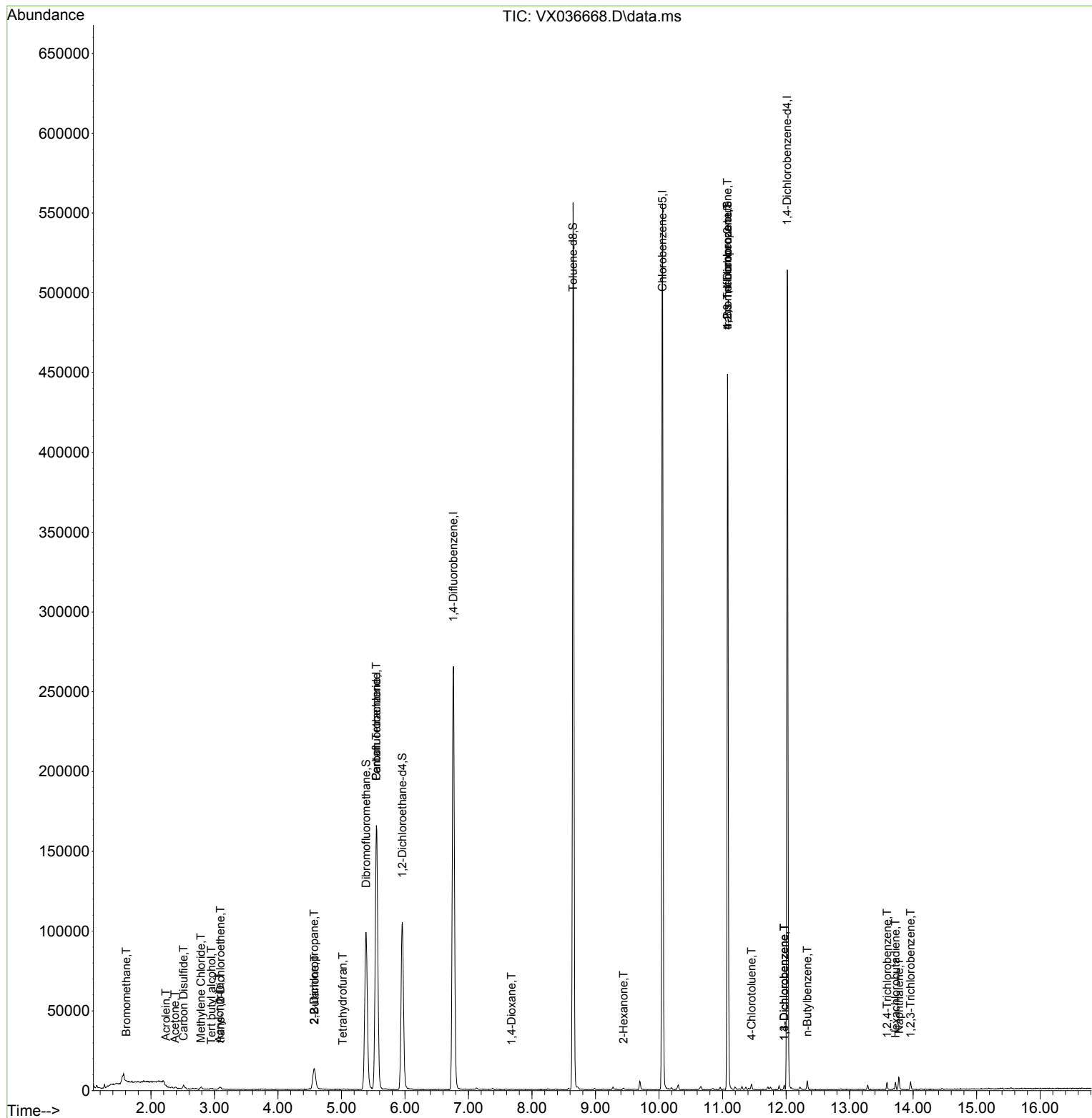
Internal Standards						
1) Pentafluorobenzene	5.550	168	153815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	274736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102089	44.856	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.720%		
35) Dibromofluoromethane	5.385	113	87417	46.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	8.647	98	326600	48.771	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.540%		
62) 4-Bromofluorobenzene	11.079	95	119380	47.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.500%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	247	0.220	ug/l #	12
11) Tert butyl alcohol	2.953	59	587	1.089	ug/l #	78
13) Acrolein	2.233	56	593	1.928	ug/l #	71
15) Acrylonitrile	3.081	53	658	0.607	ug/l	97
16) Acetone	2.380	43	943	0.998	ug/l #	78
17) Carbon Disulfide	2.514	76	2943	0.619	ug/l	97
20) Methylene Chloride	2.788	84	726	0.346	ug/l #	67
21) trans-1,2-Dichloroethene	3.093	96	460	0.239	ug/l	82
25) 2-Butanone	4.574	43	970	0.633	ug/l	97
26) 2,2-Dichloropropane	4.568	77	1160	0.341	ug/l #	54
29) Tetrahydrofuran	5.019	42	468	0.474	ug/l #	34
38) Carbon Tetrachloride	5.550	117	16296	5.446	ug/l #	14
49) 1,4-Dioxane	7.677	88	54	1.048	ug/l #	12
59) 2-Hexanone	9.439	43	680	0.302	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	62408	25.259	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62408	57.251	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1553	0.224	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	990	0.270	ug/l	95
88) 1,4-Dichlorobenzene	11.969	146	990	0.272	ug/l	94
89) n-Butylbenzene	12.335	91	1756	0.268	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1208	0.554	ug/l	94
94) Hexachlorobutadiene	13.725	225	650	0.721	ug/l	93
95) Naphthalene	13.780	128	5468	0.720	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1168	0.544	ug/l	83

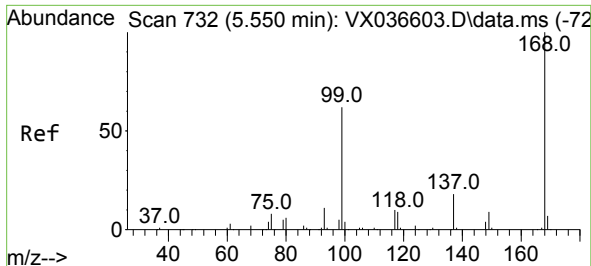
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX036668.D
Acq On : 27 Jul 2023 11:45
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Sample : VX0727MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

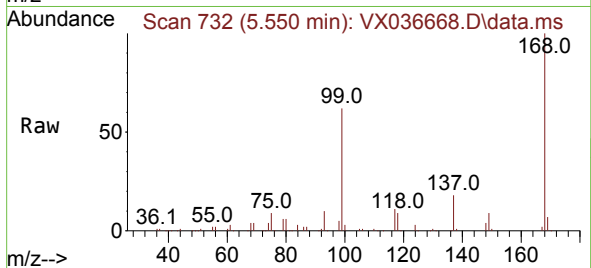
Quant Time: Jul 28 06:08:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



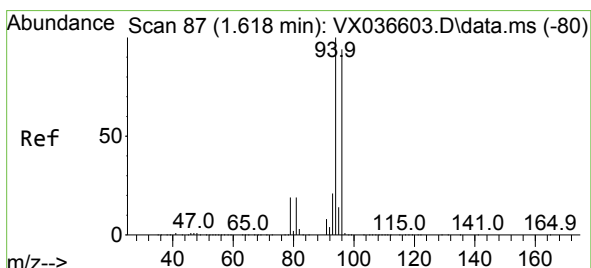
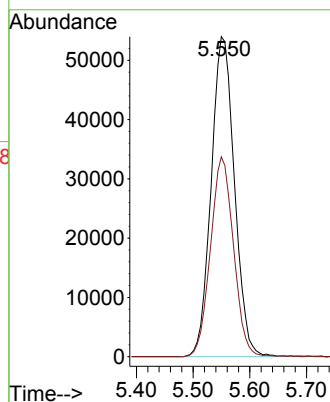
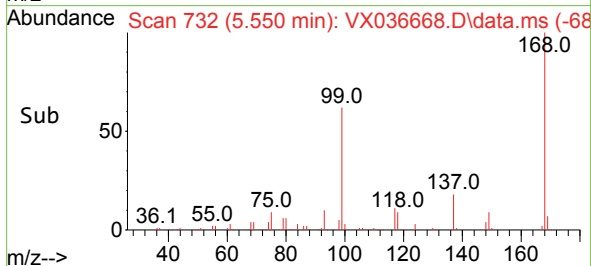


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Instrument :
MSVOA_X
ClientSampleId :

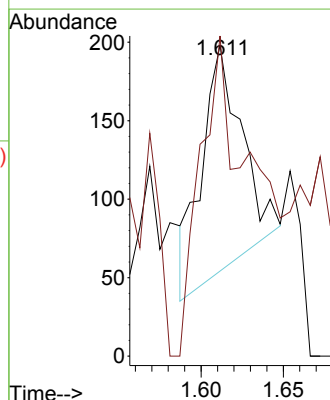
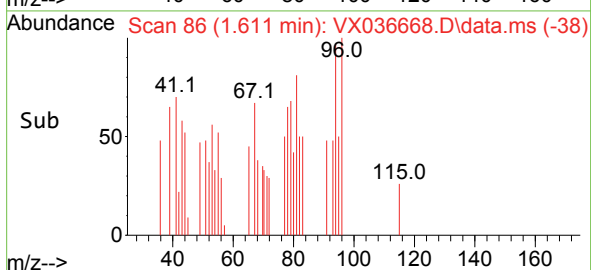
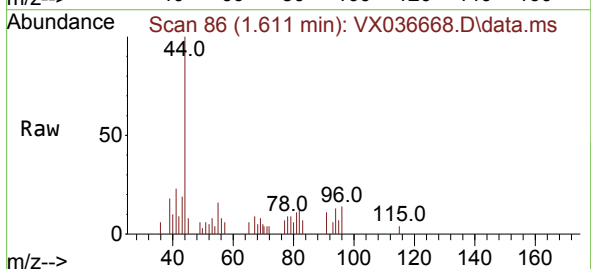


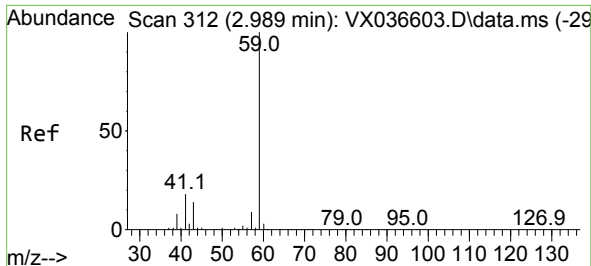
Tgt Ion:168 Resp: 153815
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 177.4 74.6 111.8#

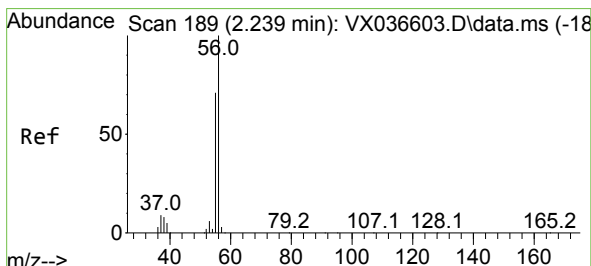
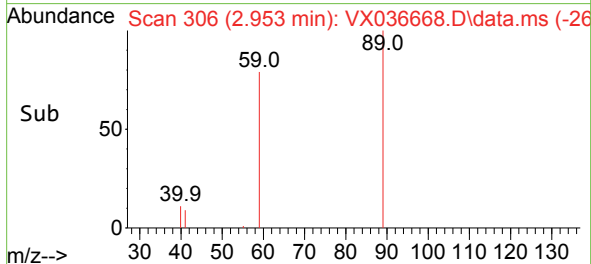
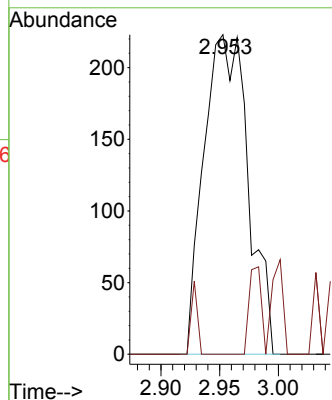
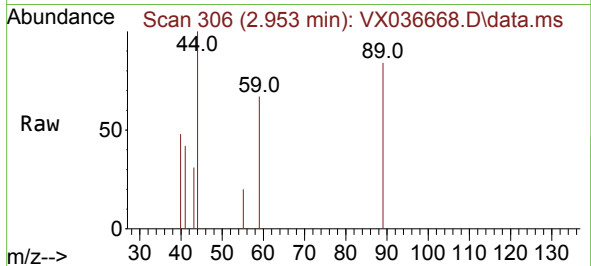




#11
Tert butyl alcohol
Concen: 1.089 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

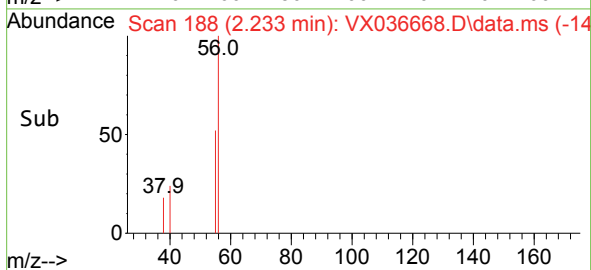
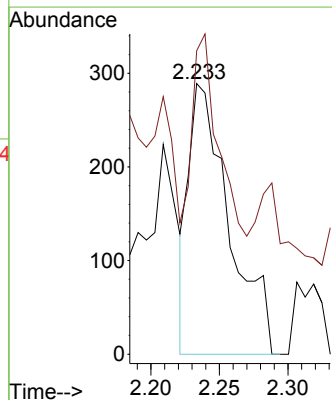
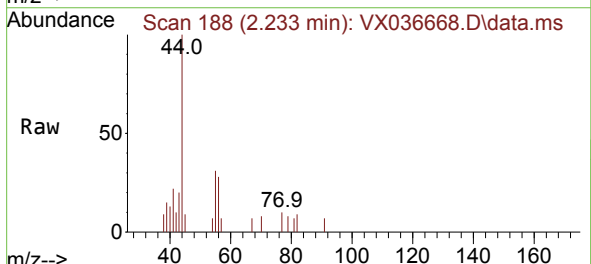
Instrument :
MSVOA_X
ClientSampleId :

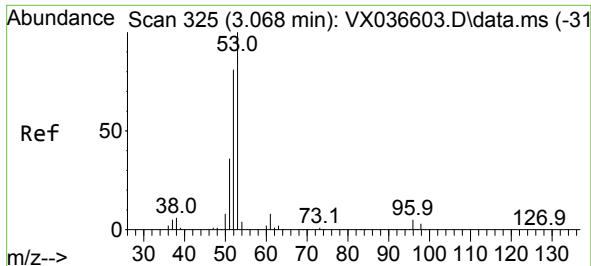
Tgt Ion: 59 Resp: 587
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 1.928 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

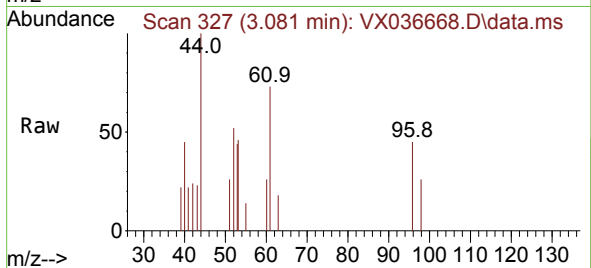
Tgt Ion: 56 Resp: 593
Ion Ratio Lower Upper
56 100
55 47.0 57.1 85.7#



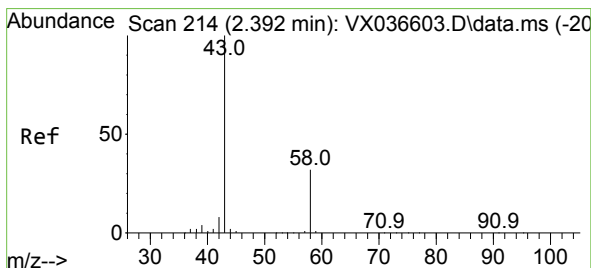
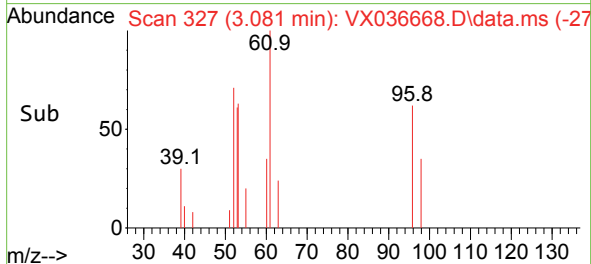
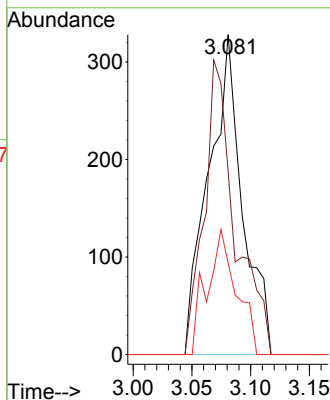


#15
Acrylonitrile
Concen: 0.607 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Instrument :
MSVOA_X
ClientSampleId :

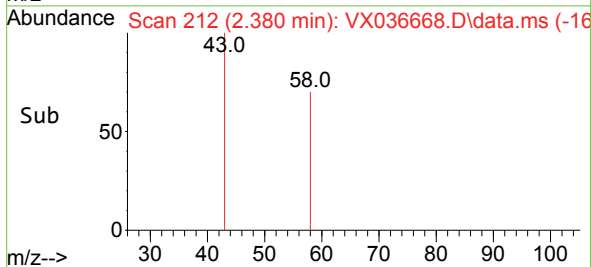
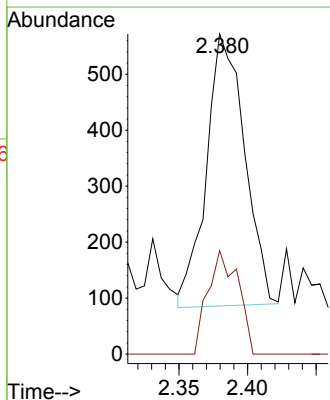
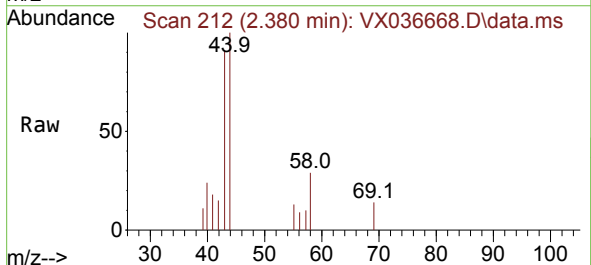


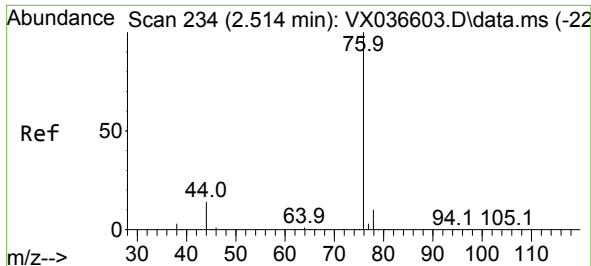
Tgt Ion: 53 Resp: 658
Ion Ratio Lower Upper
53 100
52 83.9 66.0 99.0
51 34.2 29.8 44.6



#16
Acetone
Concen: 0.998 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 38.6 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.619 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

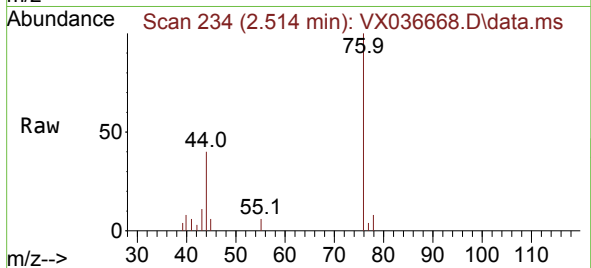
Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

ClientSampleId :

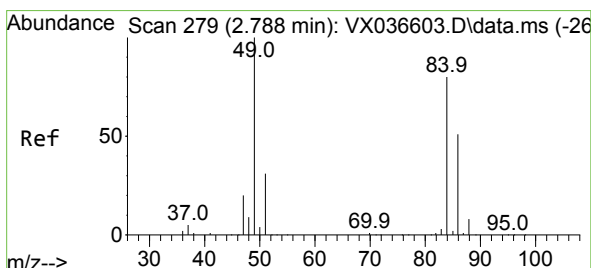
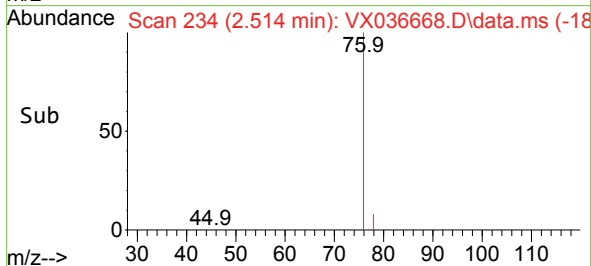
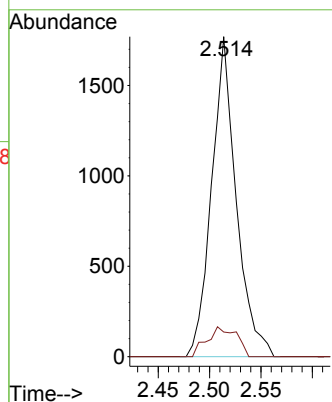


Tgt Ion: 76 Resp: 2943

Ion Ratio Lower Upper

76 100

78 7.7 7.0 10.6



#20

Methylene Chloride

Concen: 0.346 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Tgt Ion: 84 Resp: 726

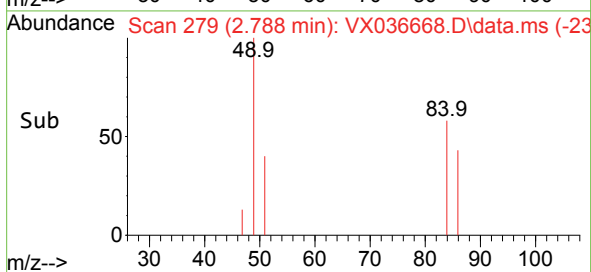
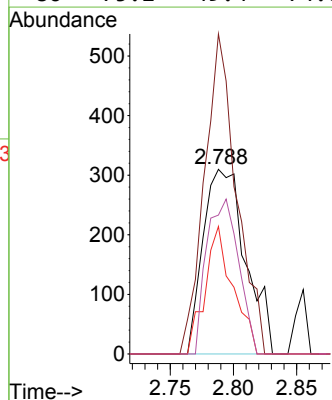
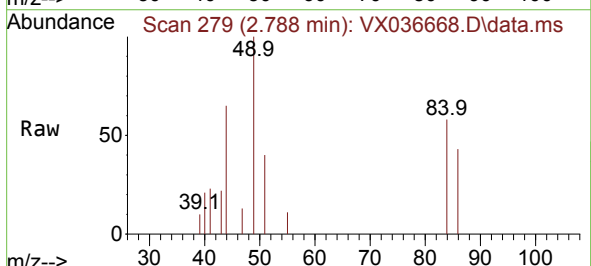
Ion Ratio Lower Upper

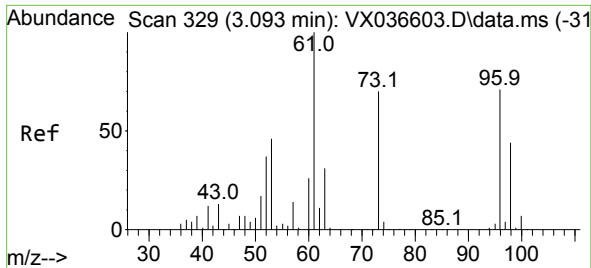
84 100

49 173.2 103.6 155.4#

51 69.0 33.8 50.6#

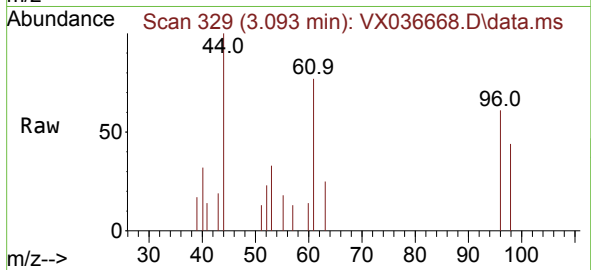
86 75.2 49.4 74.0#



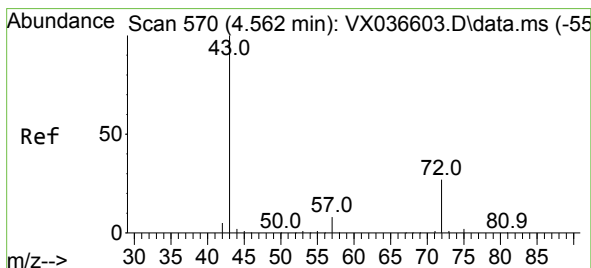
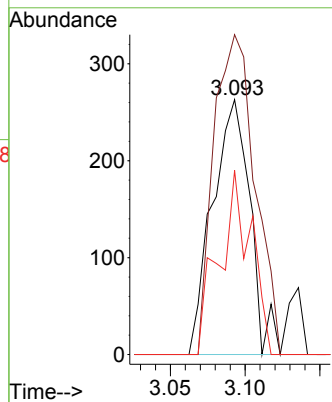
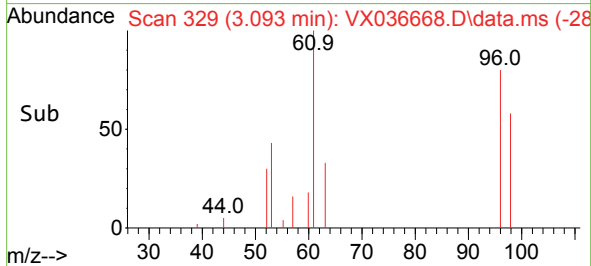


#21
trans-1,2-Dichloroethene
Concen: 0.239 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Instrument :
MSVOA_X
ClientSampleId :

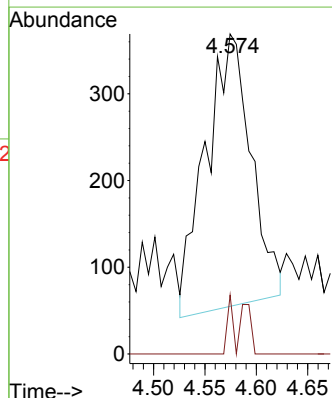
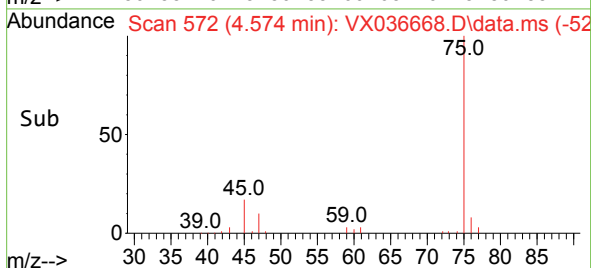
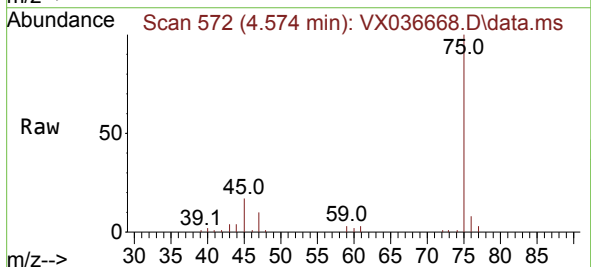


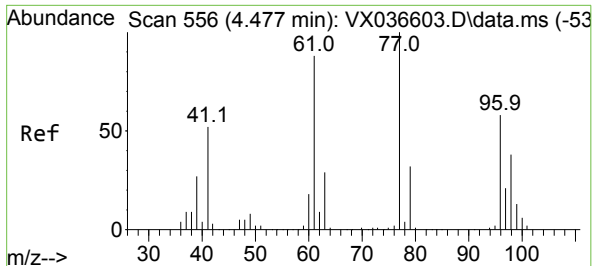
Tgt Ion: 96 Resp: 460
Ion Ratio Lower Upper
96 100
61 125.5 119.2 178.8
98 72.2 48.7 73.1



#25
2-Butanone
Concen: 0.633 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
72 22.6 19.4 29.2





#26

2,2-Dichloropropane

Concen: 0.341 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

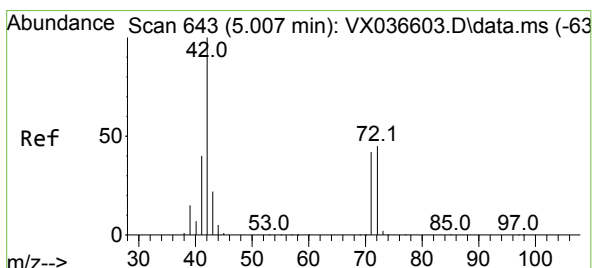
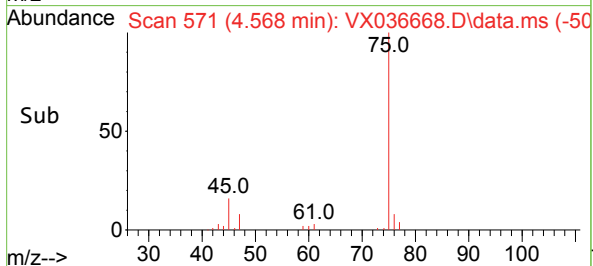
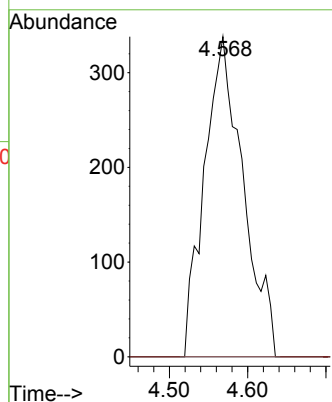
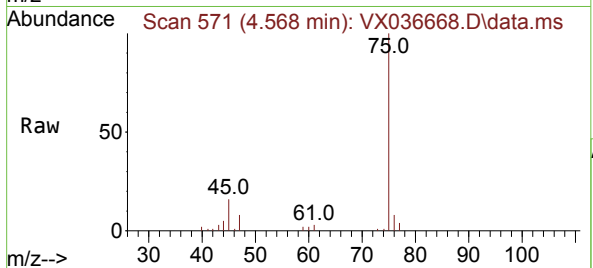
ClientSampleId :

Tgt Ion: 77 Resp: 1160

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.474 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

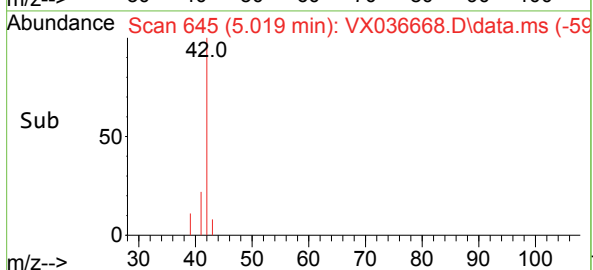
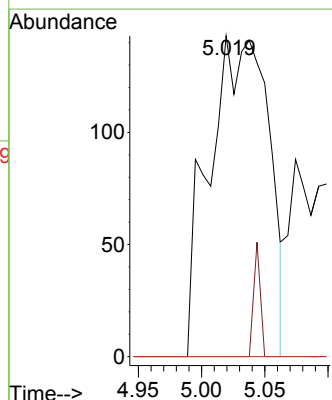
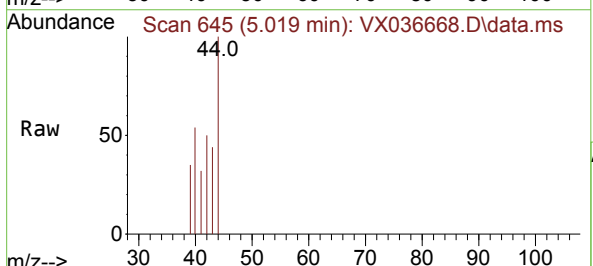
Tgt Ion: 42 Resp: 468

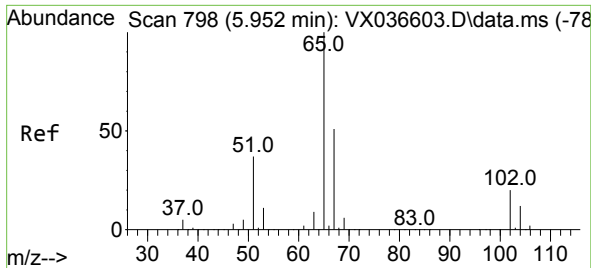
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

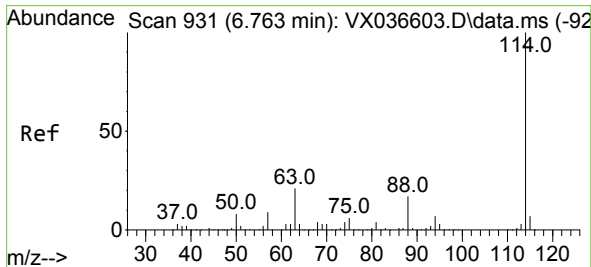
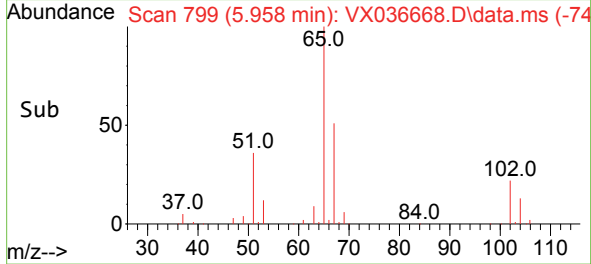
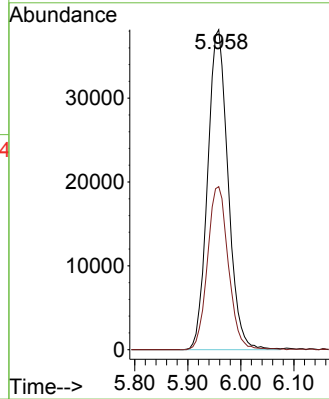
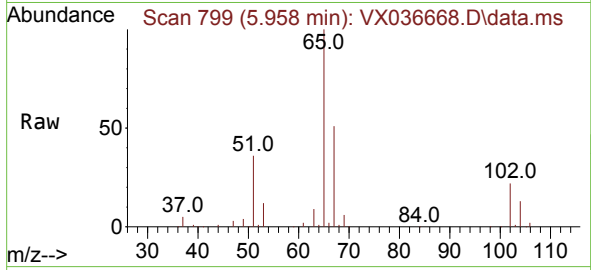




#33
 1,2-Dichloroethane-d4
 Concen: 44.856 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036668.D
 Acq: 27 Jul 2023 11:45

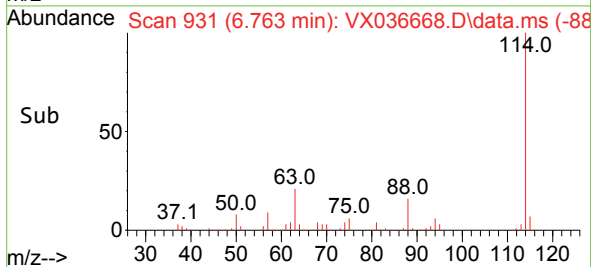
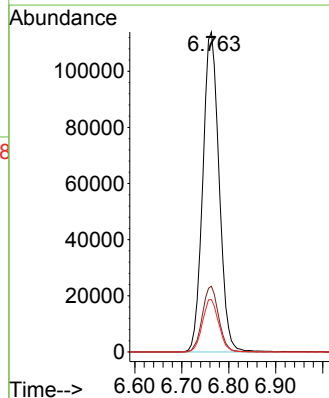
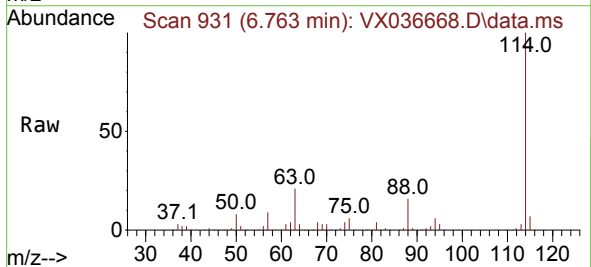
Instrument :
 MSVOA_X
 ClientSampleId :

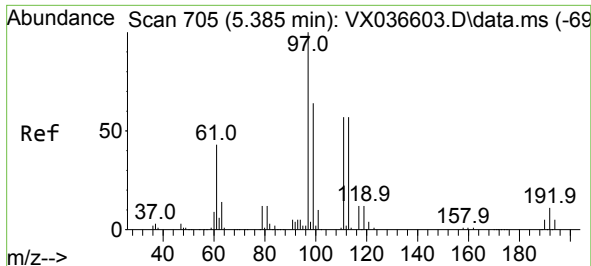
Tgt Ion: 65 Resp: 102089
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036668.D
 Acq: 27 Jul 2023 11:45

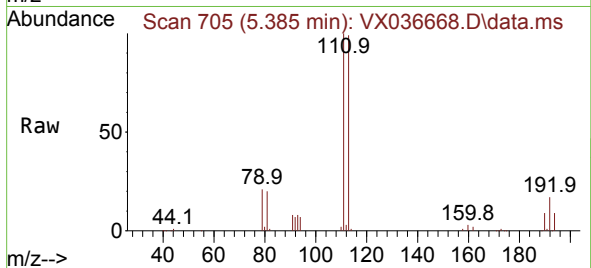
Tgt Ion: 114 Resp: 274736
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.0
 88 16.4 0.0 36.6



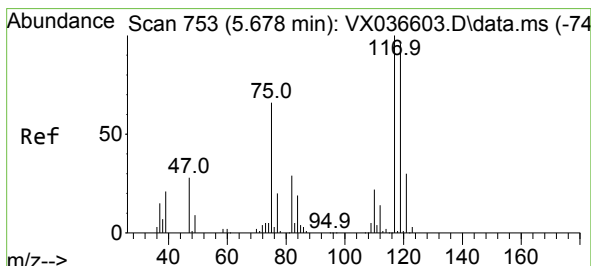
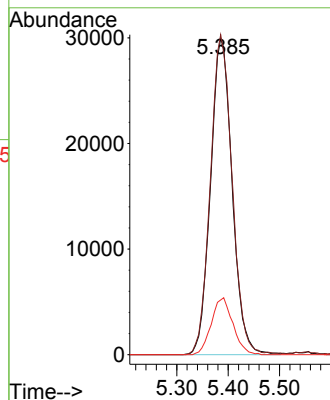
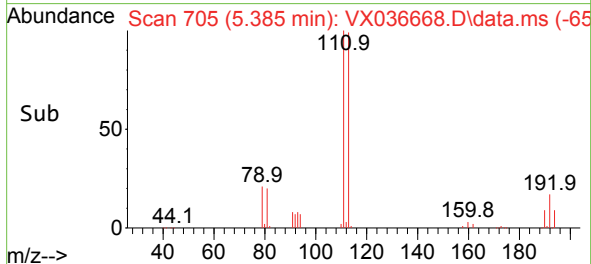


#35
Dibromofluoromethane
Concen: 46.292 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

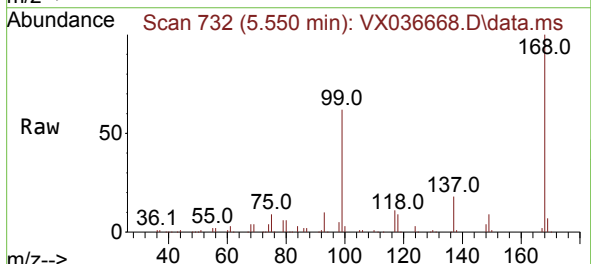
Instrument :
MSVOA_X
ClientSampleId :



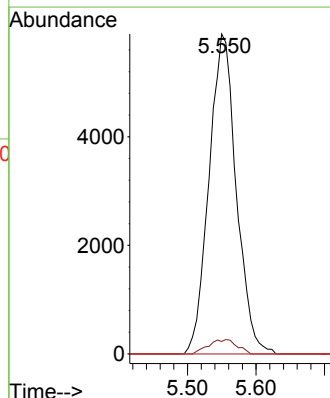
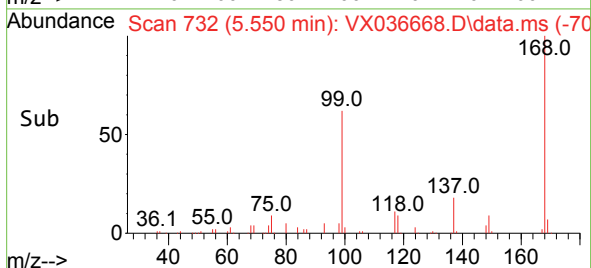
Tgt Ion:113 Resp: 87417
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.0 13.3 19.9

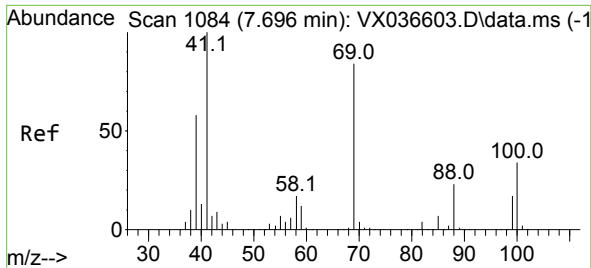


#38
Carbon Tetrachloride
Concen: 5.446 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45



Tgt Ion:117 Resp: 16296
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.048 ug/l

RT: 7.677 min Scan# 1084

Delta R.T. -0.018 min

Lab File: VX036668.D

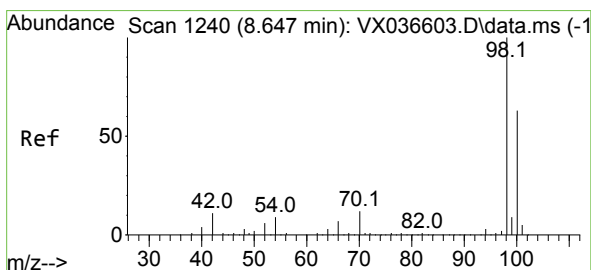
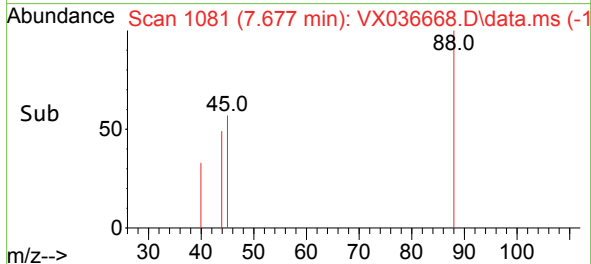
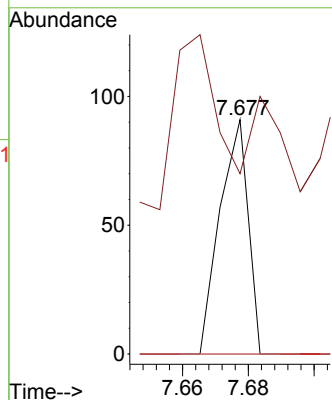
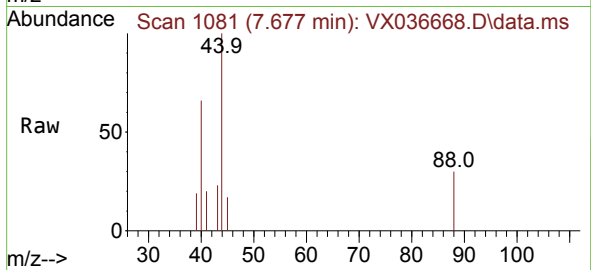
Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp: 54
Ion Ratio	Lower Upper
88	100
43	118.5 0.0 0.0#
58	0.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.771 ug/l

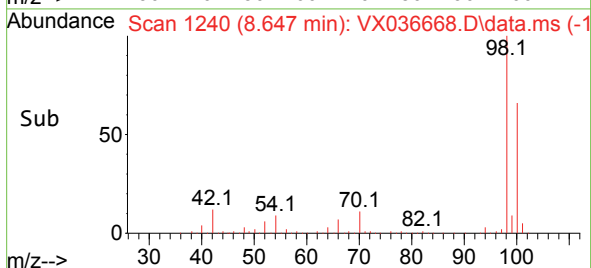
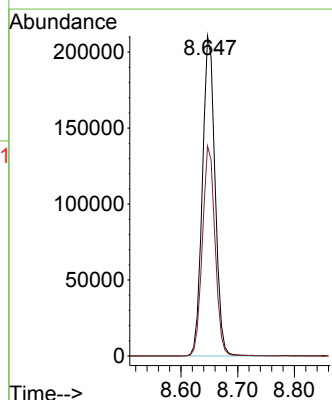
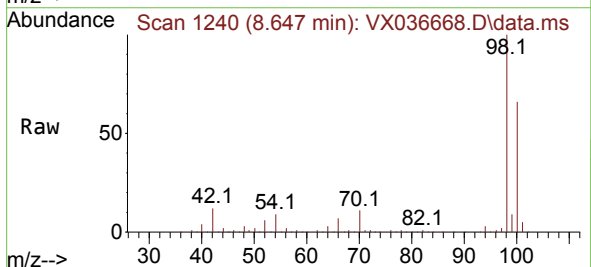
RT: 8.647 min Scan# 1240

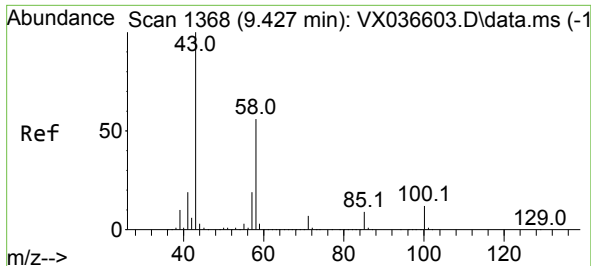
Delta R.T. 0.000 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Tgt Ion: 98	Resp: 326600
Ion Ratio	Lower Upper
98	100
100	65.6 53.1 79.7

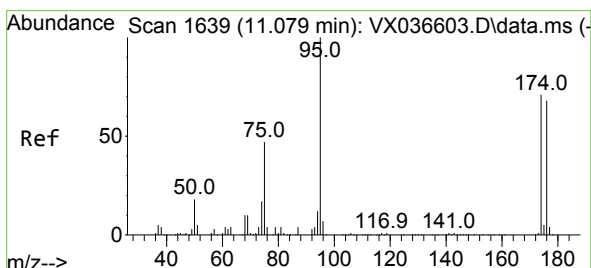
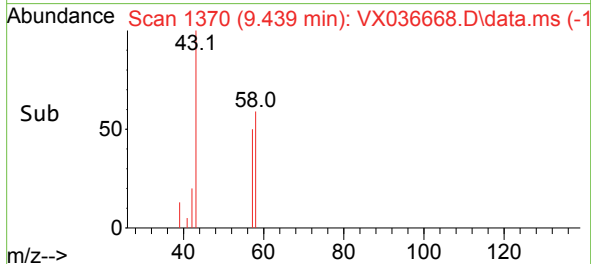
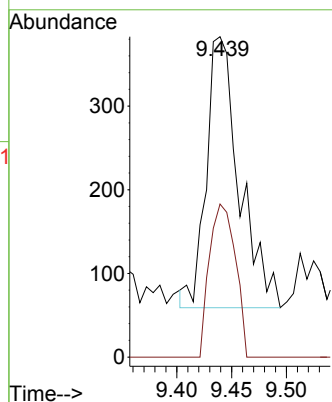
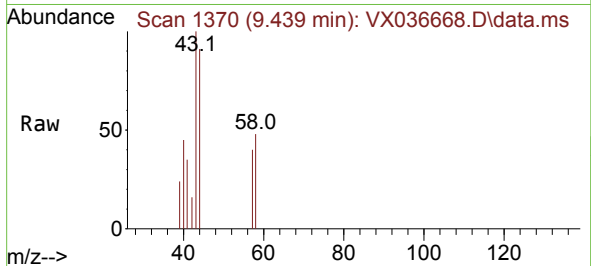




#59
2-Hexanone
Concen: 0.302 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

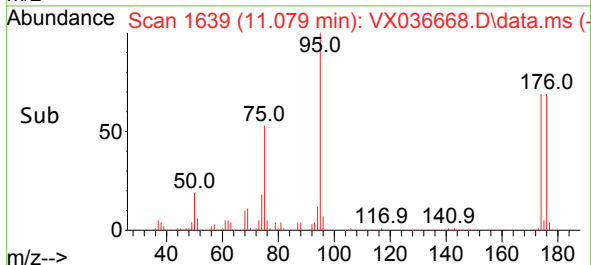
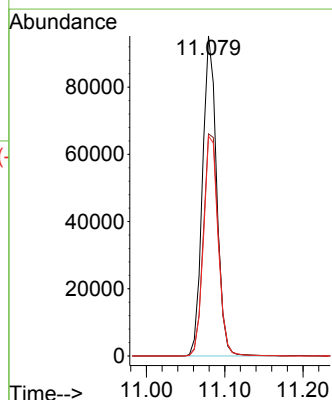
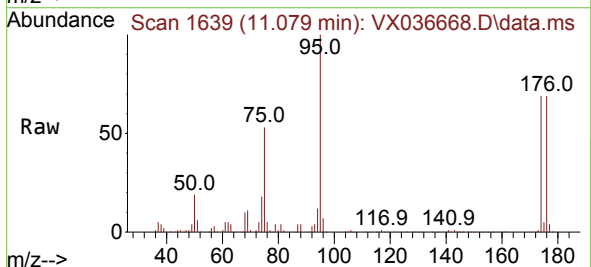
Instrument :
MSVOA_X
ClientSampleId :

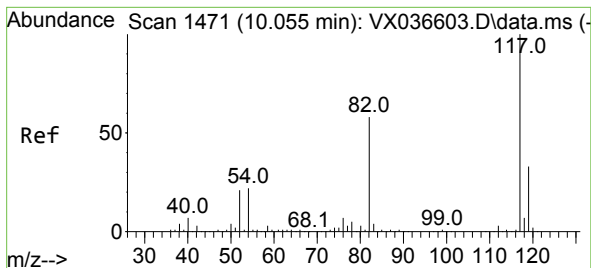
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 44.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 47.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion: 95 Resp: 119380
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 71.2 0.0 131.0

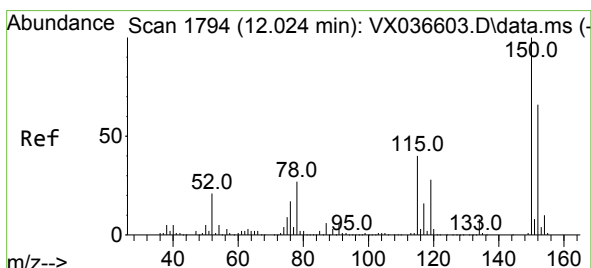
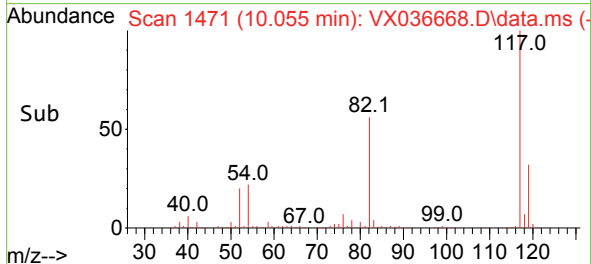
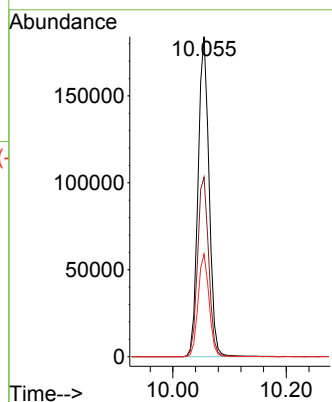
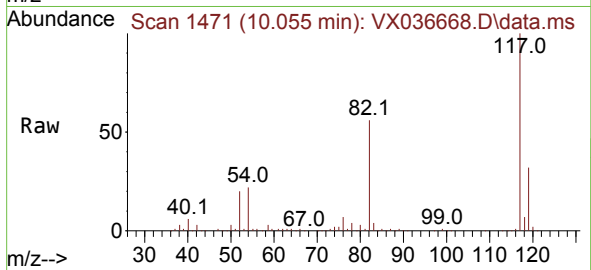




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

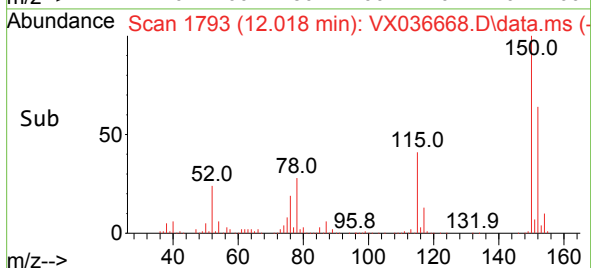
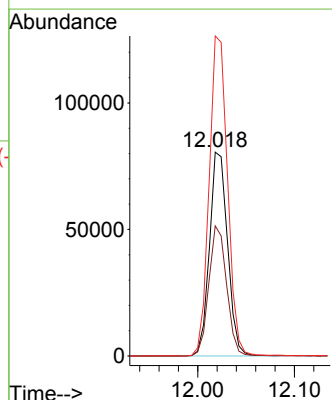
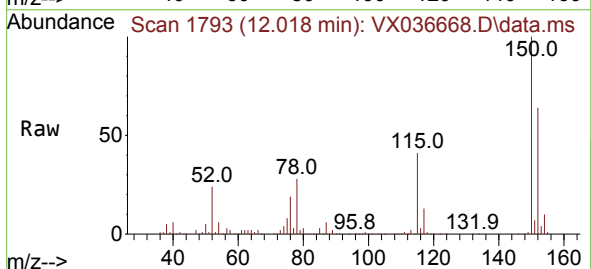
Instrument :
MSVOA_X
ClientSampleId :

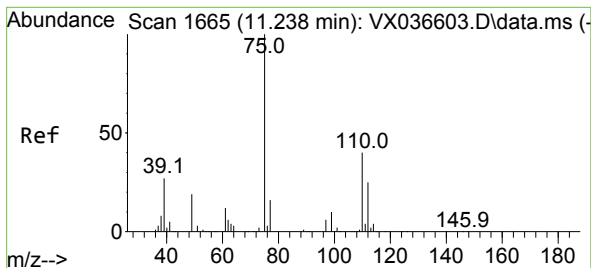
Tgt Ion:117 Resp: 247473
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion:152 Resp: 105043
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 159.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.259 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

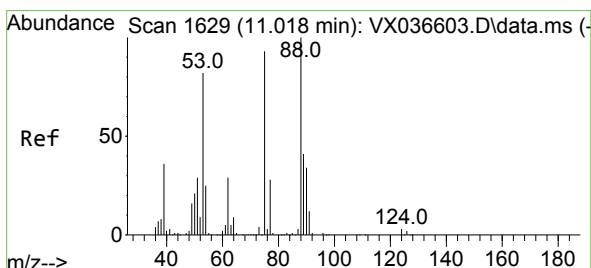
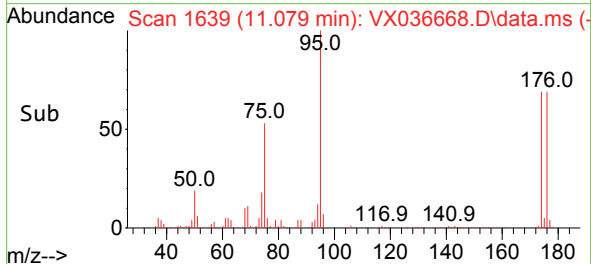
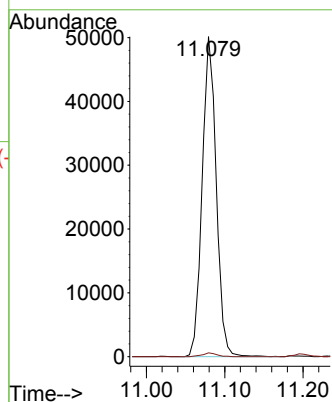
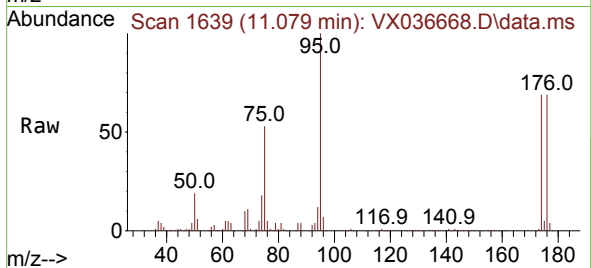
ClientSampleId :

Tgt Ion: 75 Resp: 62408

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.251 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

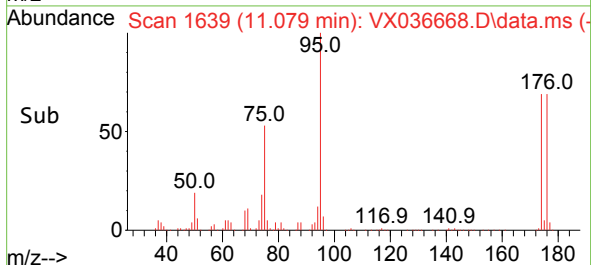
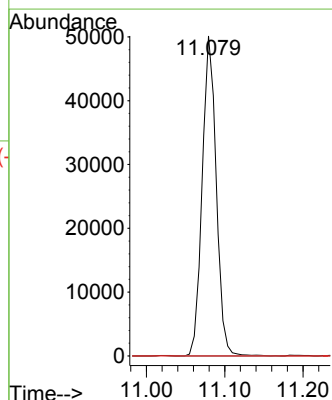
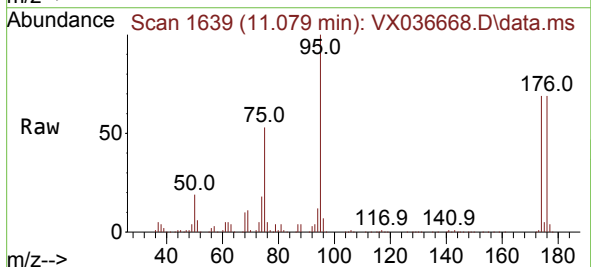
Tgt Ion: 75 Resp: 62408

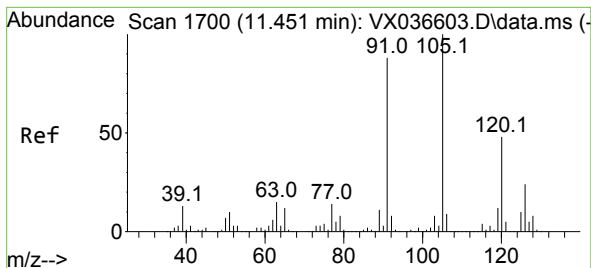
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.224 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

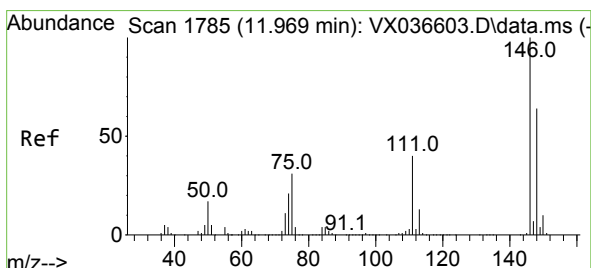
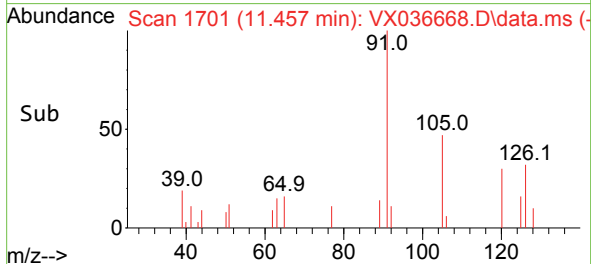
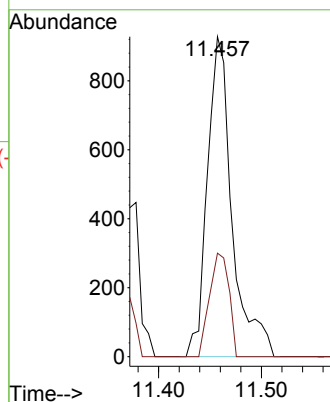
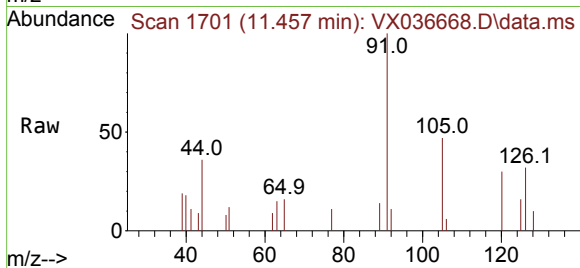
ClientSampleId :

Tgt Ion: 91 Resp: 1553

Ion Ratio Lower Upper

91 100

126 25.4 14.2 42.6



#87

1,3-Dichlorobenzene

Concen: 0.270 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

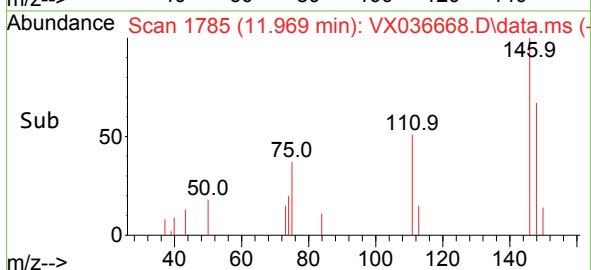
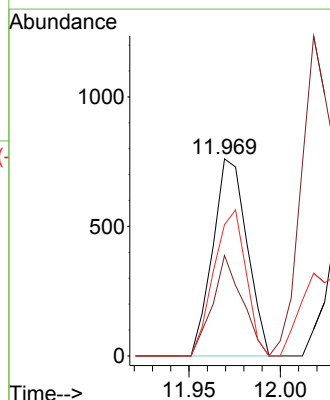
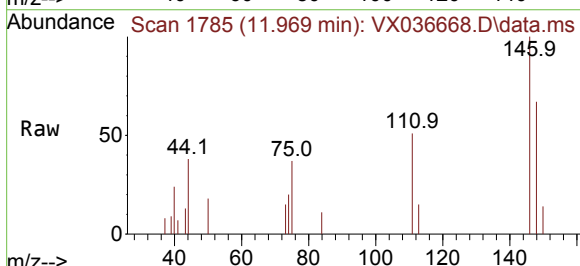
Tgt Ion: 146 Resp: 990

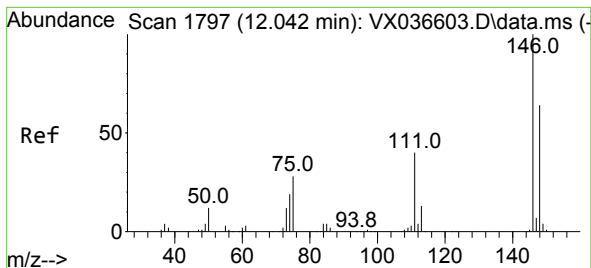
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.1

148 69.6 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.272 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.073 min

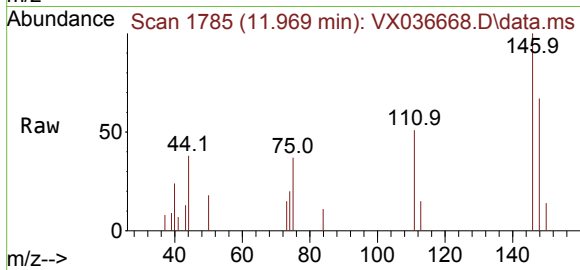
Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

ClientSampleId :



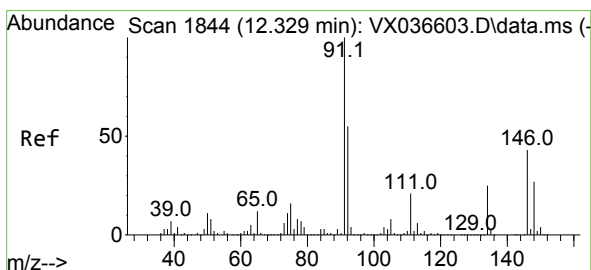
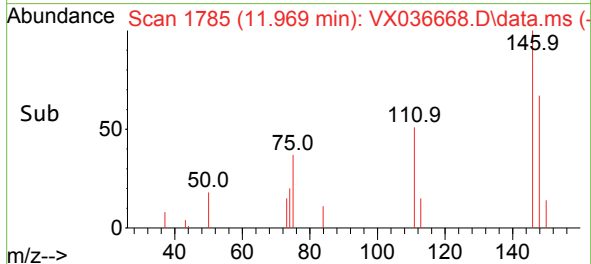
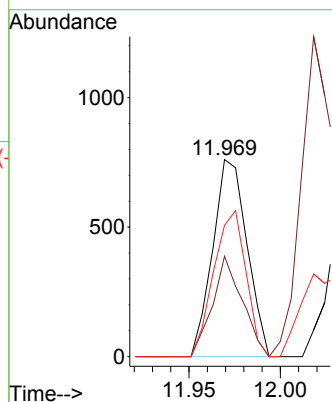
Tgt Ion:146 Resp: 990

Ion Ratio Lower Upper

146 100

111 44.5 21.3 63.7

148 69.6 31.8 95.4



#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

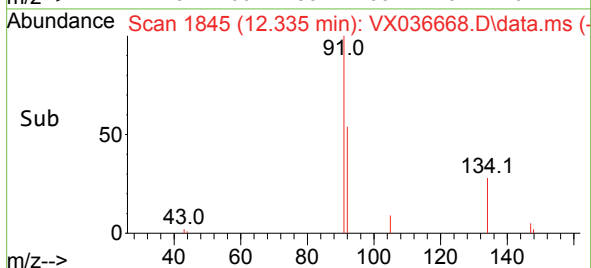
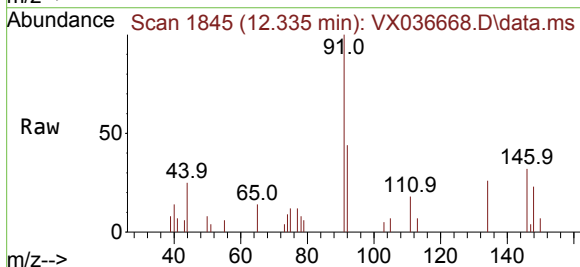
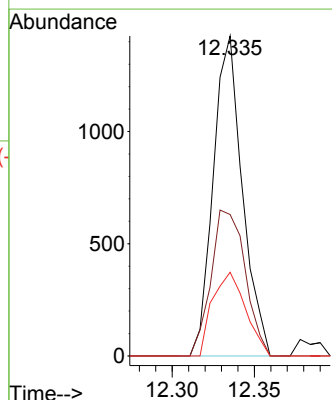
Tgt Ion: 91 Resp: 1756

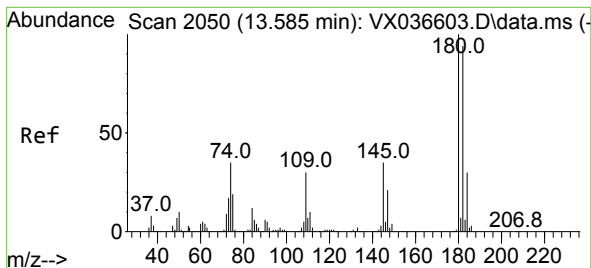
Ion Ratio Lower Upper

91 100

92 53.5 27.4 82.0

134 29.7 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.554 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX036668.D

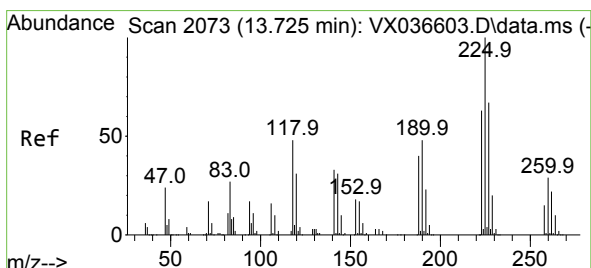
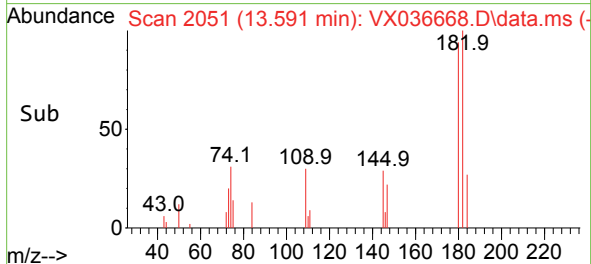
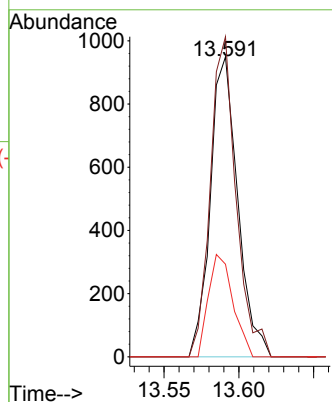
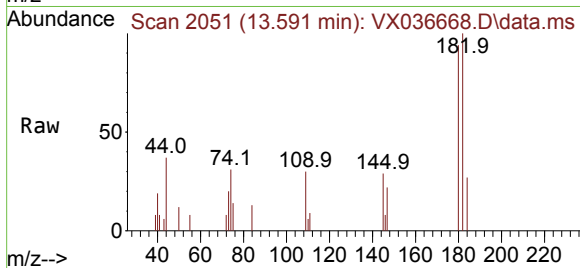
Acq: 27 Jul 2023 11:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1208
Ion Ratio	Lower	Upper
180	100	
182	100.6	48.3 144.8
145	30.5	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.721 ug/l

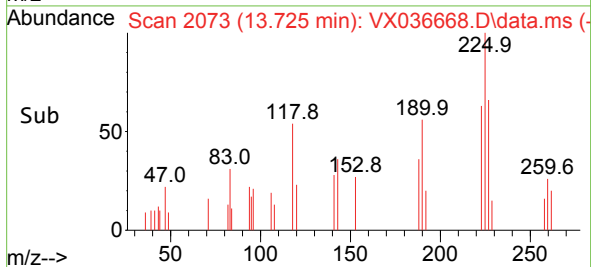
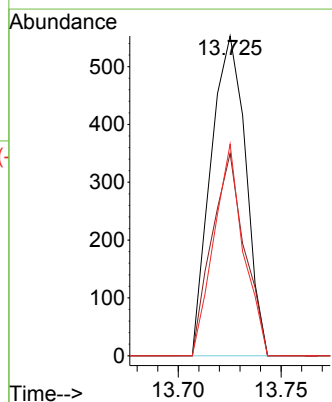
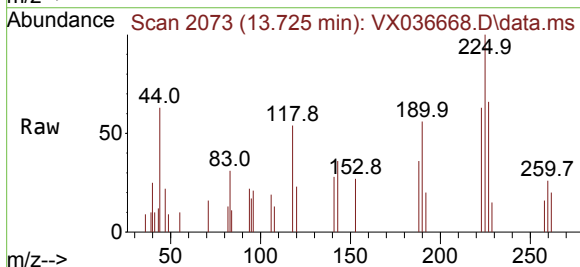
RT: 13.725 min Scan# 2073

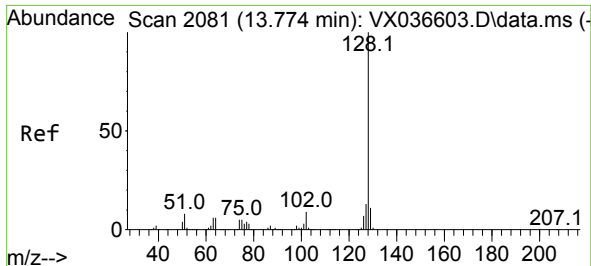
Delta R.T. 0.000 min

Lab File: VX036668.D

Acq: 27 Jul 2023 11:45

Tgt Ion:225	Resp:	650
Ion Ratio	Lower	Upper
225	100	
223	59.8	31.1 93.2
227	56.3	32.5 97.5

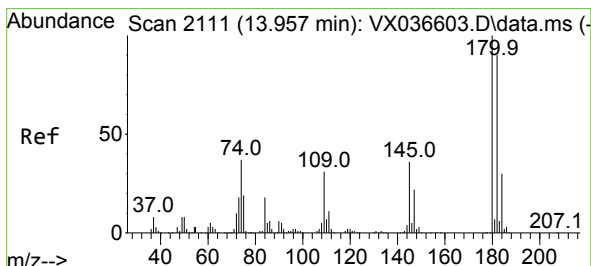
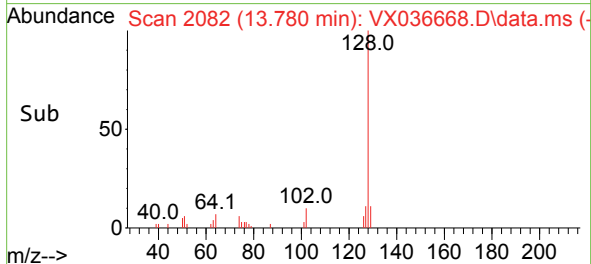
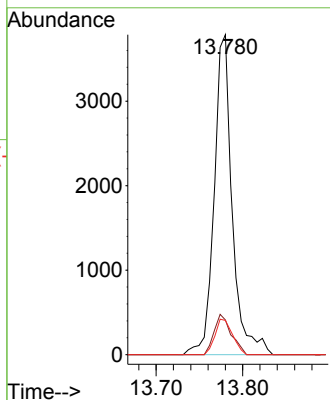
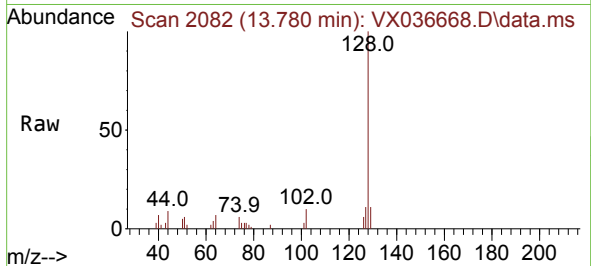




#95
Naphthalene
Concen: 0.720 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	128	Resp:	5468
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.3	15.5
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.544 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX036668.D
Acq: 27 Jul 2023 11:45

Tgt Ion:	180	Resp:	1168
Ion Ratio	Lower	Upper	
180	100		
182	113.9	46.9	140.6
145	39.7	17.8	53.5

