

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102423\
 Data File : VX038454.D
 Acq On : 24 Oct 2023 14:45
 Operator : JC/MD
 Sample : 04975-03 10X
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 25 06:08:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

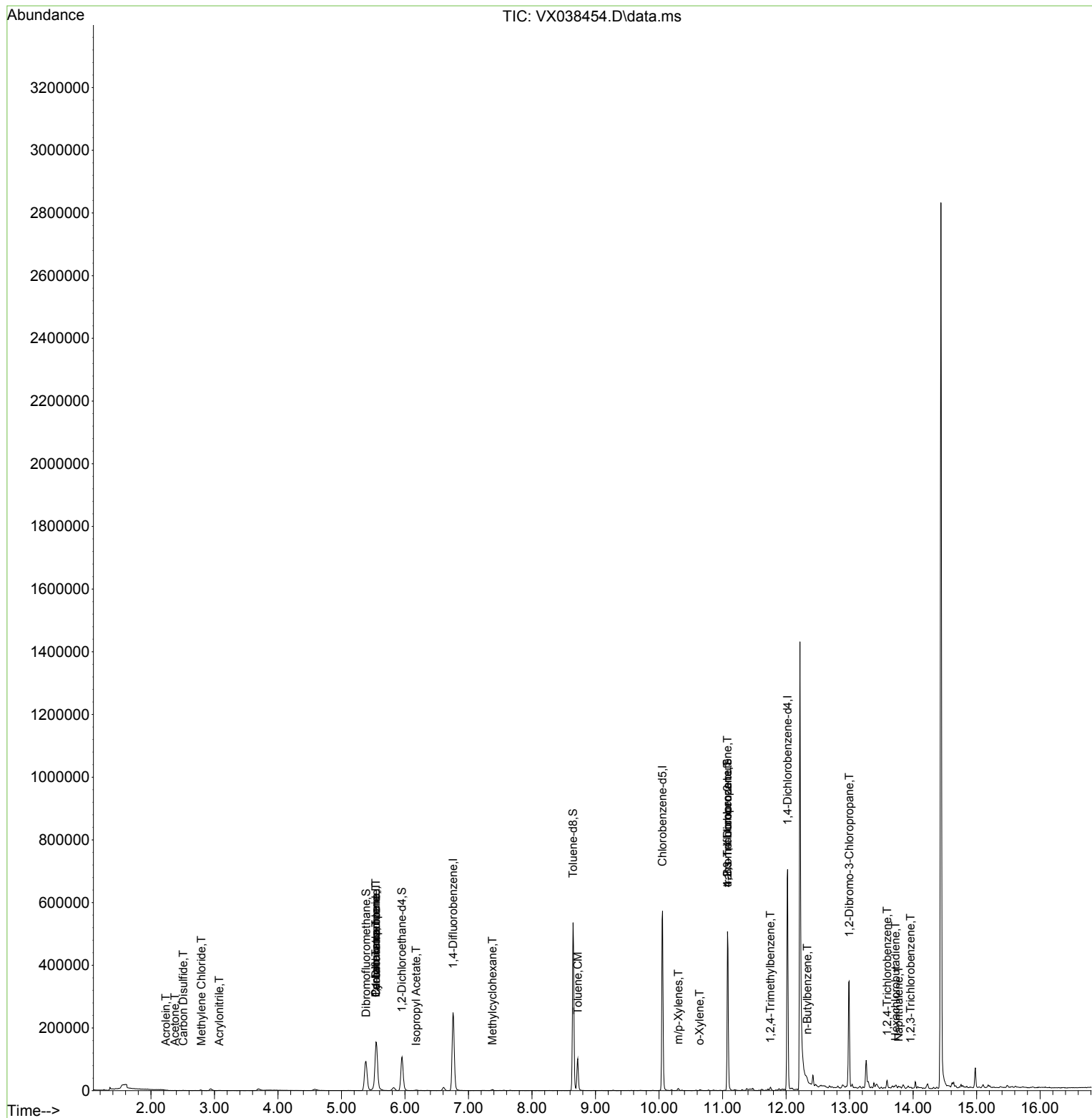
Internal Standards						
1) Pentafluorobenzene	5.544	168	150307	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	266911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99972	41.352	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.700%
35) Dibromofluoromethane	5.385	113	83204	43.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.520%
50) Toluene-d8	8.647	98	325660	44.312	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.620%#
62) 4-Bromofluorobenzene	11.079	95	129603	46.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	510	Below Cal	#	72
6) Chloroethane	1.679	64	134	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	4014	Below Cal	#	78
13) Acrolein	2.233	56	209	0.608	ug/l #	46
15) Acrylonitrile	3.075	53	348	0.316	ug/l #	88
16) Acetone	2.380	43	596	0.591	ug/l #	47
17) Carbon Disulfide	2.508	76	1147	0.289	ug/l #	76
20) Methylene Chloride	2.794	84	655	0.345	ug/l #	76
31) Cyclohexane	5.544	56	5254	2.006	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	12648	4.769	ug/l #	50
38) Carbon Tetrachloride	5.544	117	15151	5.807	ug/l #	16
39) Methylcyclohexane	7.379	83	1542	0.496	ug/l #	79
43) Isopropyl Acetate	6.178	43	1091	0.232	ug/l #	62
52) Toluene	8.720	92	38417	7.950	ug/l	91
68) m/p-Xylenes	10.305	106	1821	0.466	ug/l	84
69) o-Xylene	10.640	106	823	0.216	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	68099	19.805	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	68099	57.197	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	4580	0.525	ug/l	99
89) n-Butylbenzene	12.335	91	2746	0.302	ug/l #	75
92) 1,2-Dibromo-3-Chloropr...	12.994	75	1682	1.869	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	1890	0.589	ug/l #	86
94) Hexachlorobutadiene	13.725	225	671	0.520	ug/l	95
95) Naphthalene	13.774	128	3592	0.322	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1041	0.335	ug/l	93

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

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Operator : JC/MD
Sample : 04975-03 10X
Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 25 06:08:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

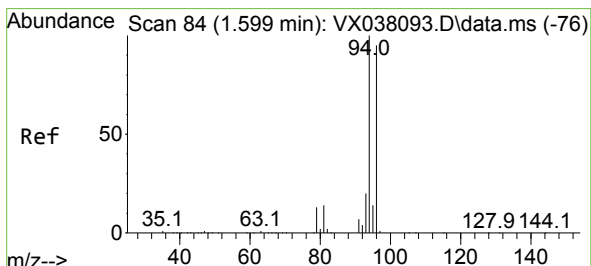
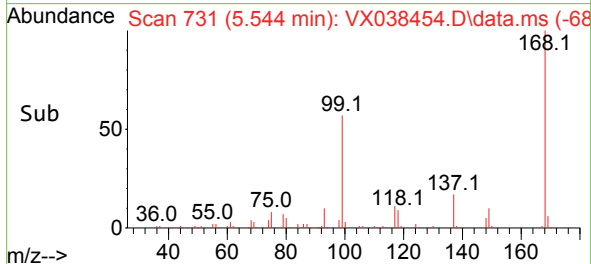
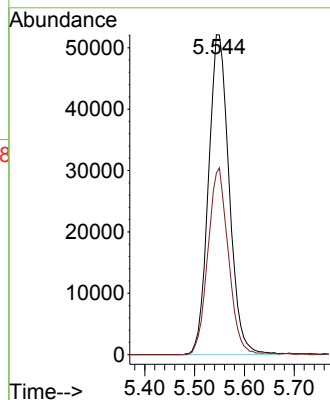
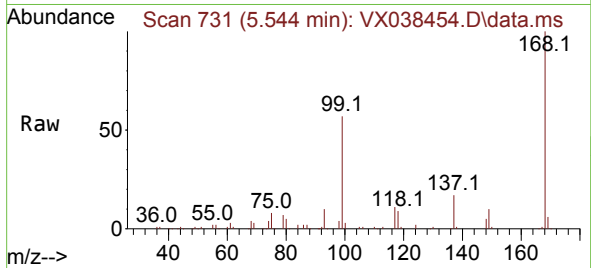




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

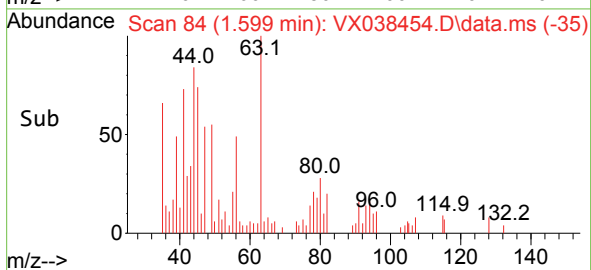
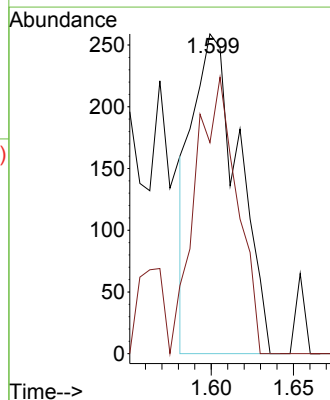
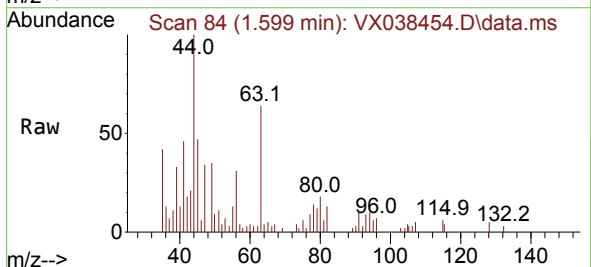
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 150307
Ion Ratio Lower Upper
168 100
99 56.8 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

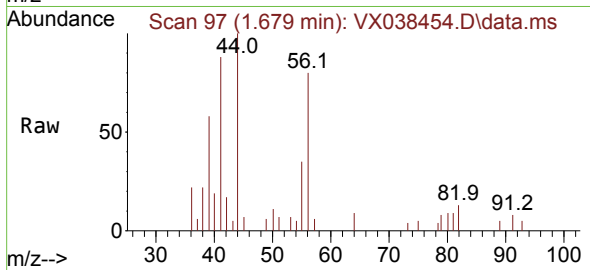
Tgt Ion: 94 Resp: 510
Ion Ratio Lower Upper
94 100
96 66.0 74.6 111.8#



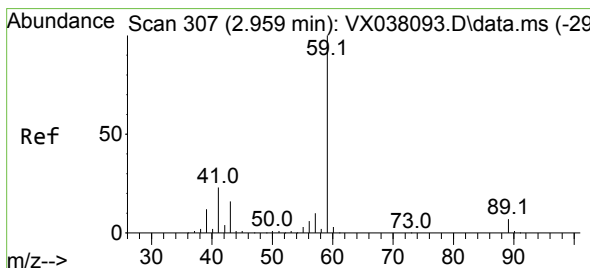
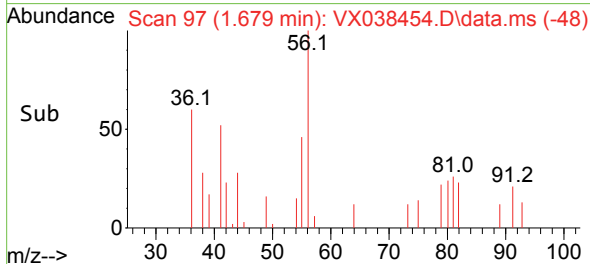
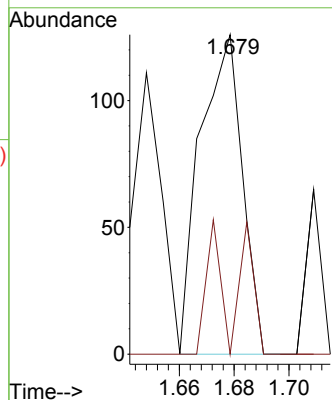


#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

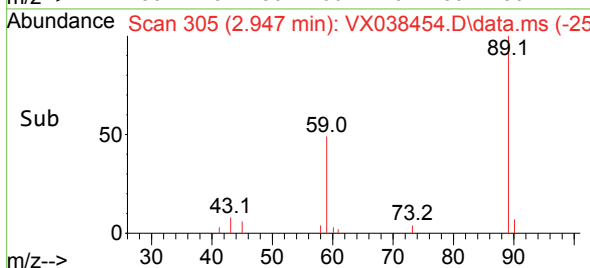
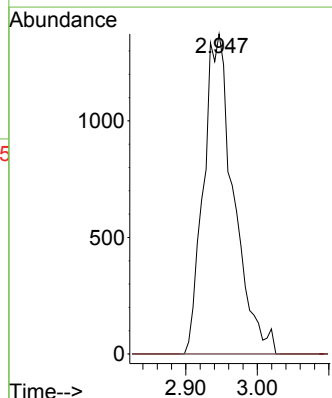
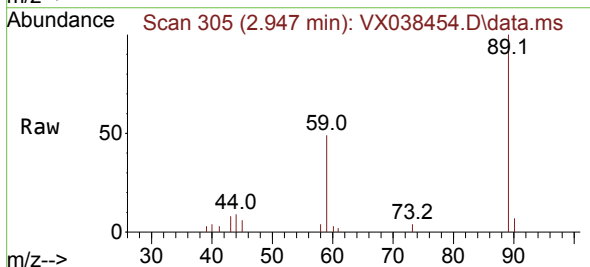


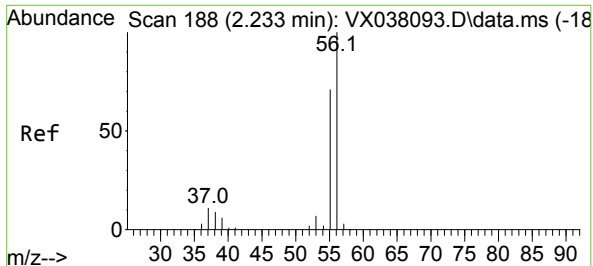
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

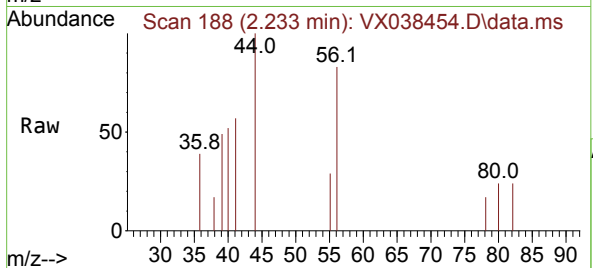
Tgt Ion: 59 Resp: 4014
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



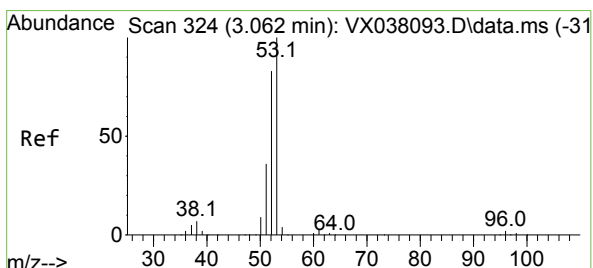
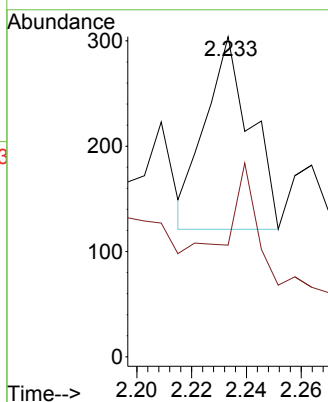
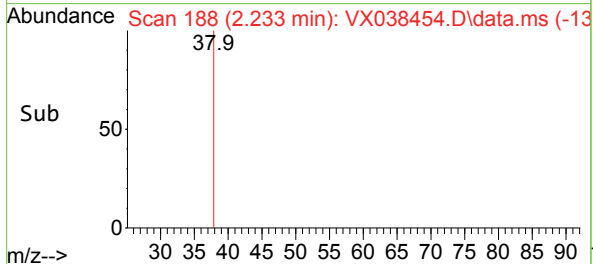


#13
Acrolein
Concen: 0.608 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

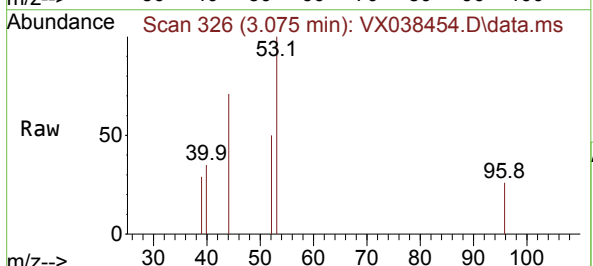
Instrument :
MSVOA_X
ClientSampleId :



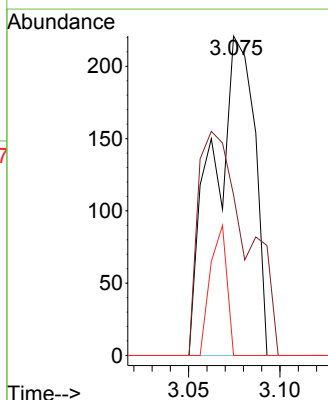
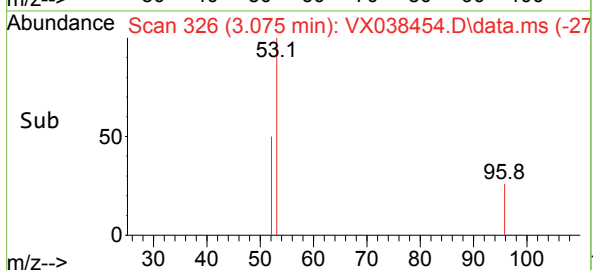
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 116.3 57.1 85.7#

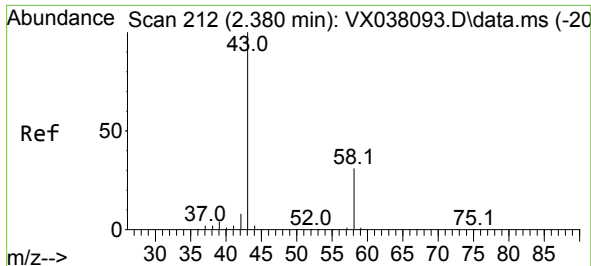


#15
Acrylonitrile
Concen: 0.316 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.013 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45



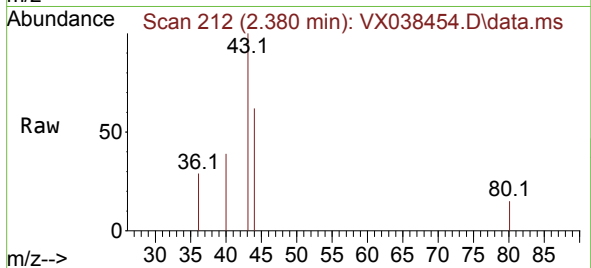
Tgt Ion: 53 Resp: 348
Ion Ratio Lower Upper
53 100
52 81.3 66.0 99.0
51 16.4 29.8 44.6#



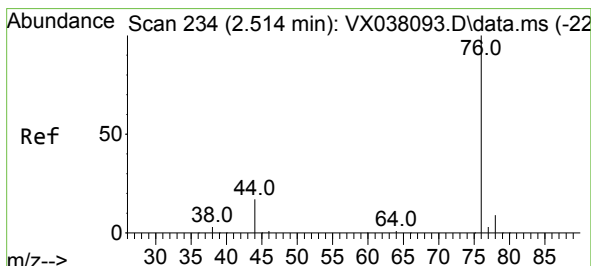
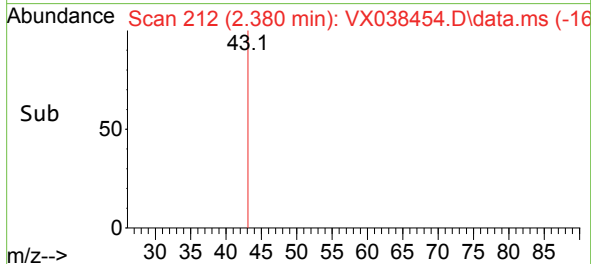
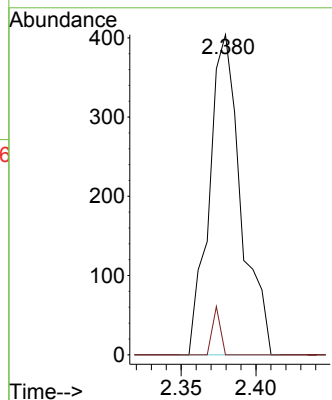


#16
Acetone
Concen: 0.591 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

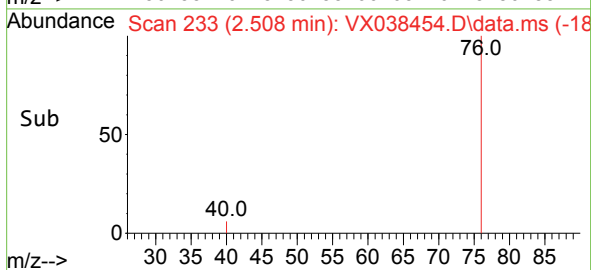
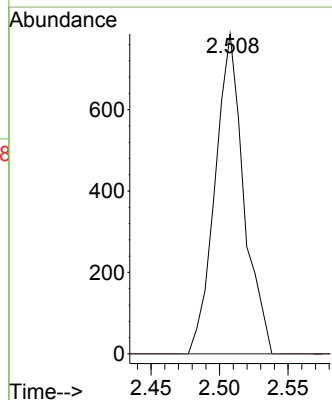
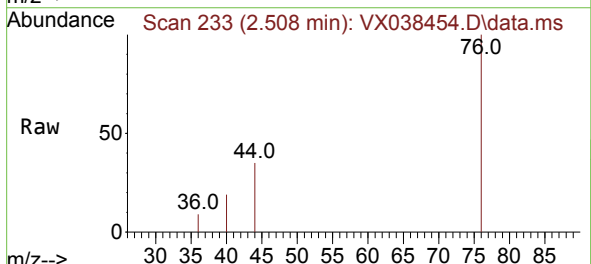


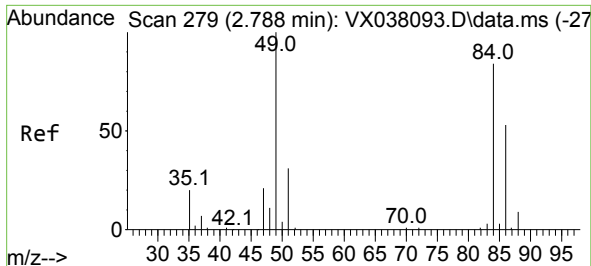
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.289 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

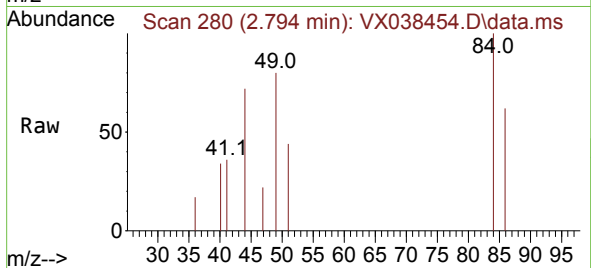
Tgt Ion: 76 Resp: 1147
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





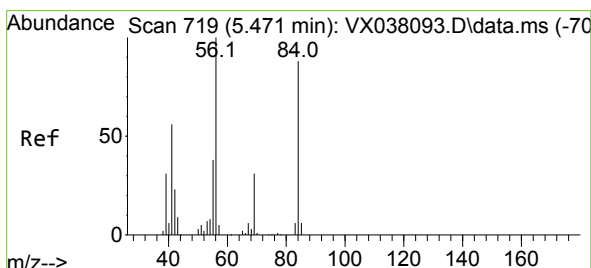
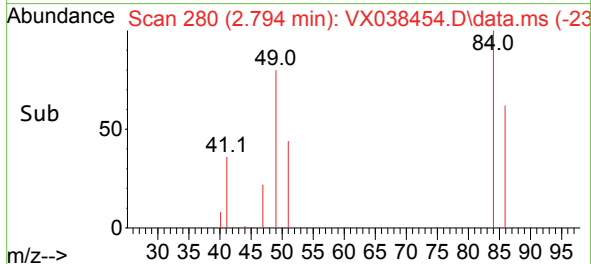
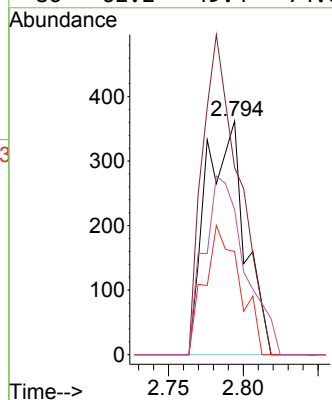
#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 655

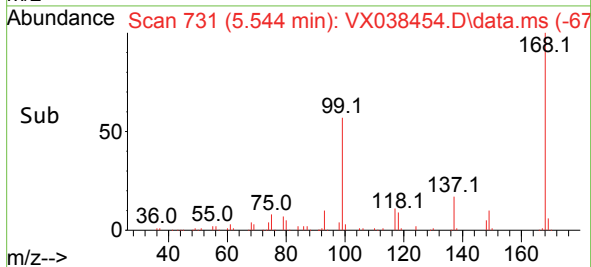
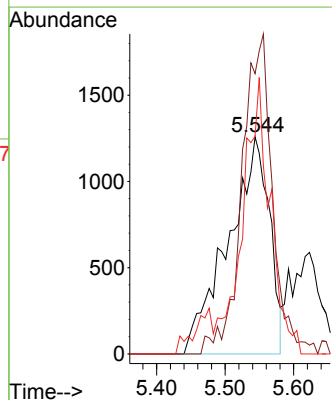
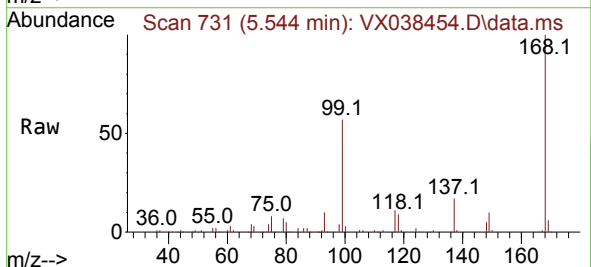
Ion	Ratio	Lower	Upper
84	100		
49	80.1	103.6	155.4#
51	44.2	33.8	50.6
86	62.2	49.4	74.0

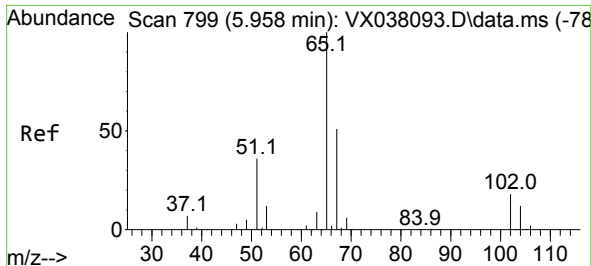


#31
Cyclohexane
Concen: 2.006 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Tgt Ion: 56 Resp: 5254

Ion	Ratio	Lower	Upper
56	100		
69	129.1	23.4	35.2#
84	91.9	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 41.352 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

MSVOA_X

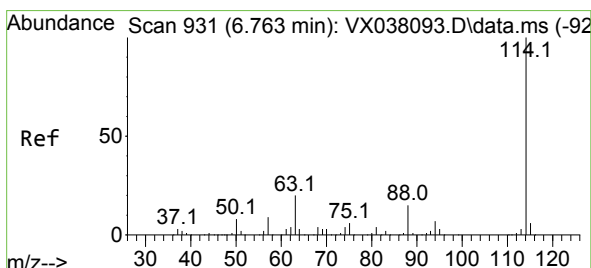
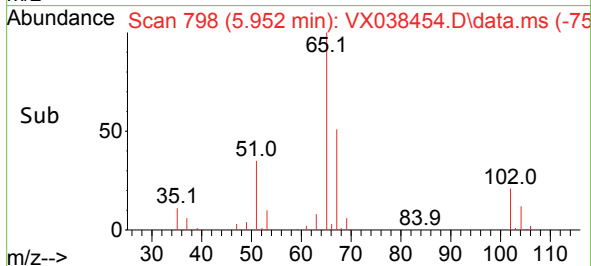
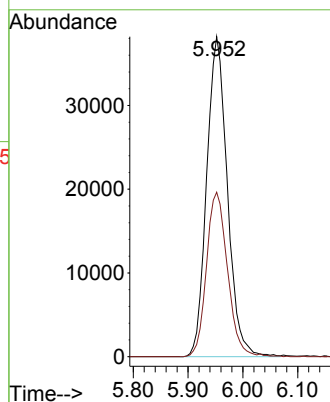
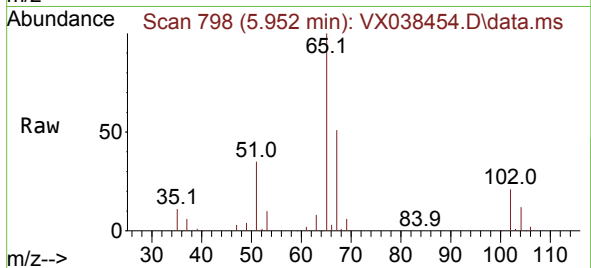
ClientSampleId :

Tgt Ion: 65 Resp: 99972

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

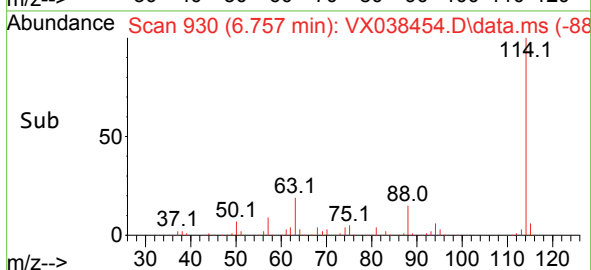
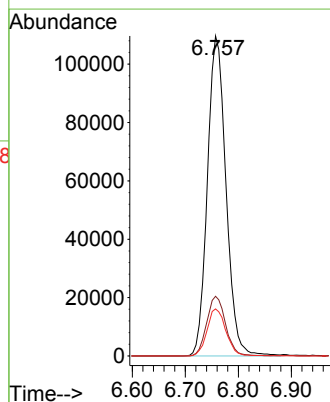
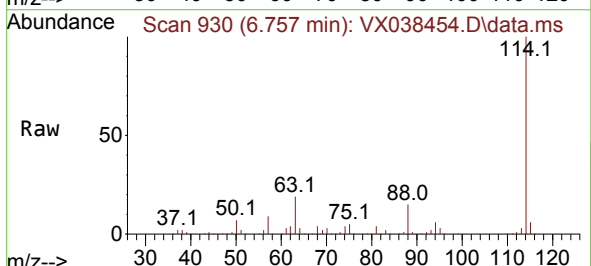
Tgt Ion: 114 Resp: 266911

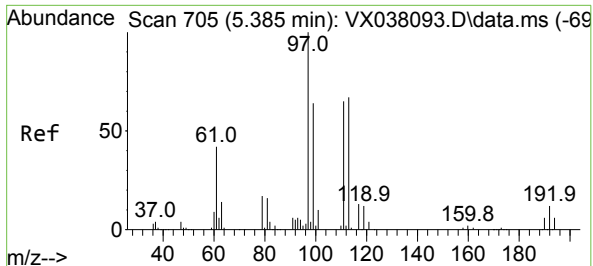
Ion Ratio Lower Upper

114 100

63 18.6 0.0 45.0

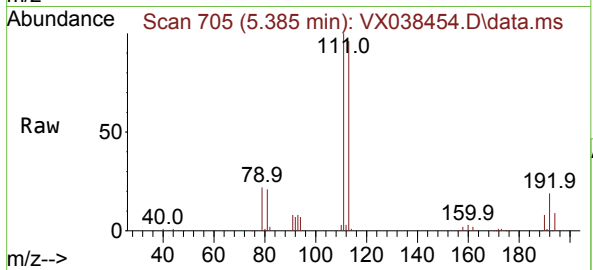
88 14.7 0.0 36.6



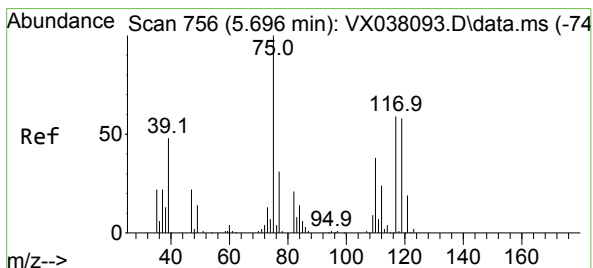
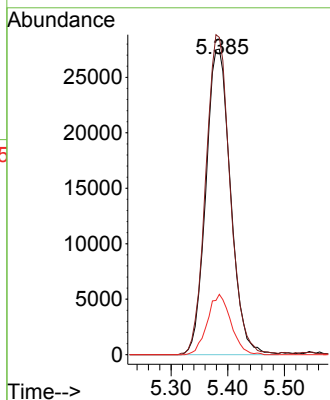
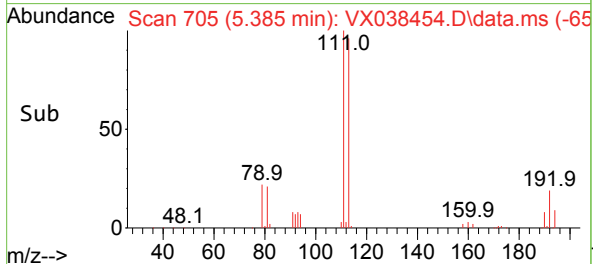


#35
Dibromofluoromethane
Concen: 43.262 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

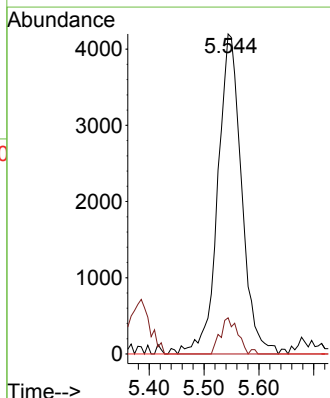
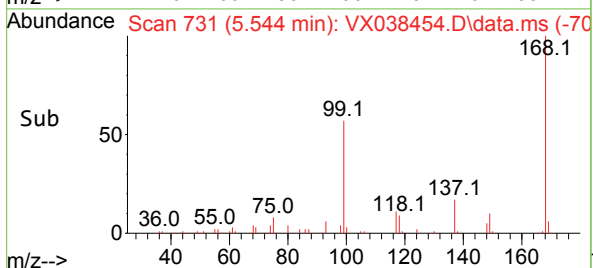
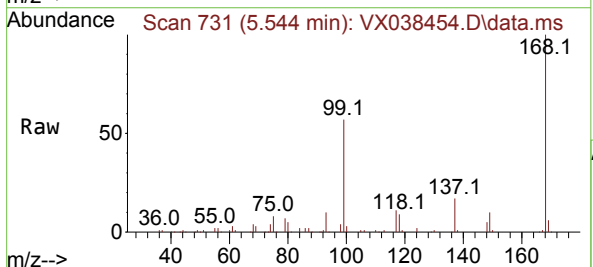


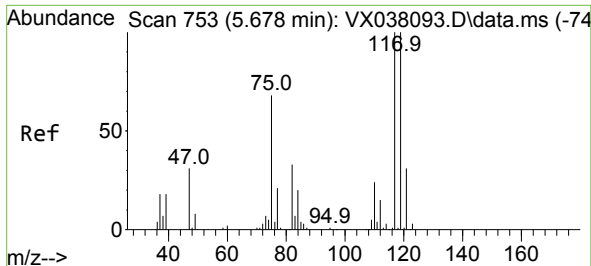
Tgt Ion:113 Resp: 83204
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.769 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

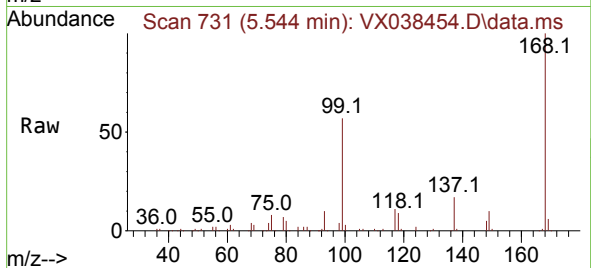
Tgt Ion: 75 Resp: 12648
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#



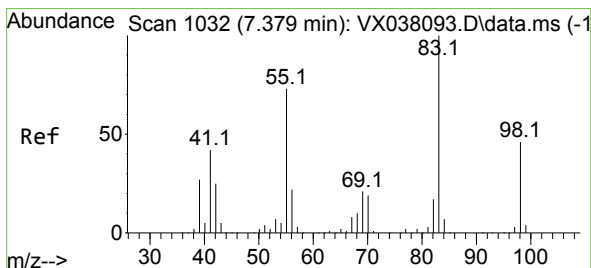
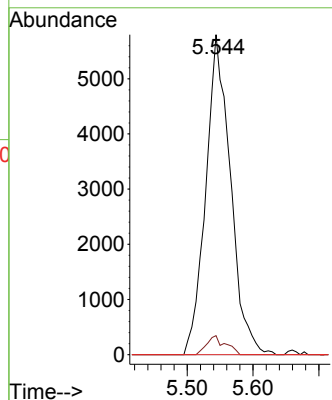
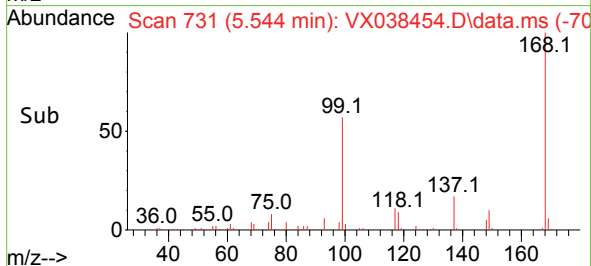


#38
Carbon Tetrachloride
Concen: 5.807 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

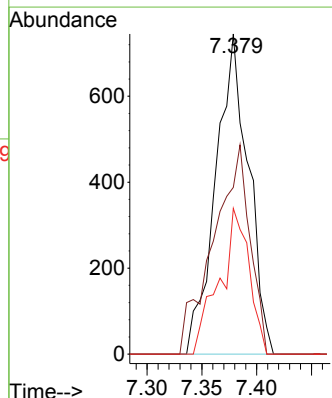
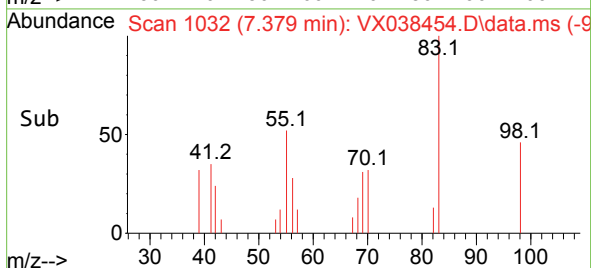
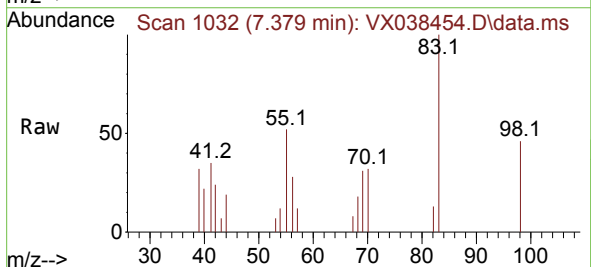


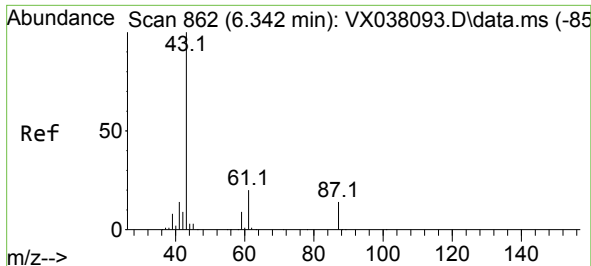
Tgt Ion:117 Resp: 15151
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.496 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

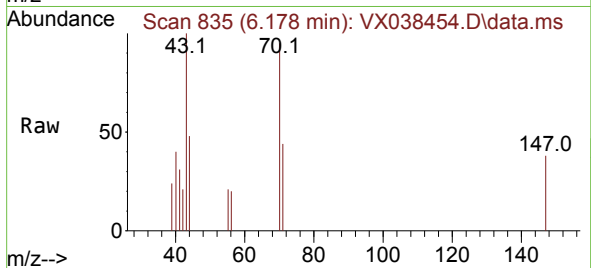
Tgt Ion: 83 Resp: 1542
Ion Ratio Lower Upper
83 100
55 52.1 64.6 97.0#
98 45.5 36.7 55.1



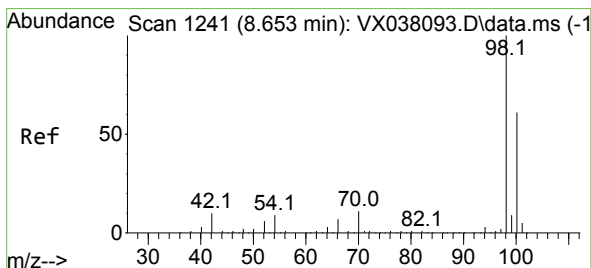
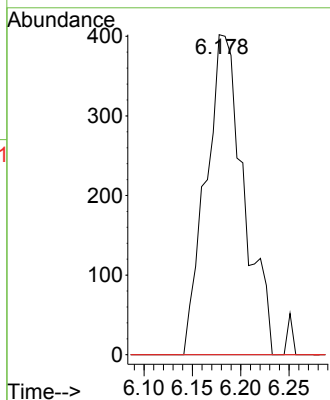
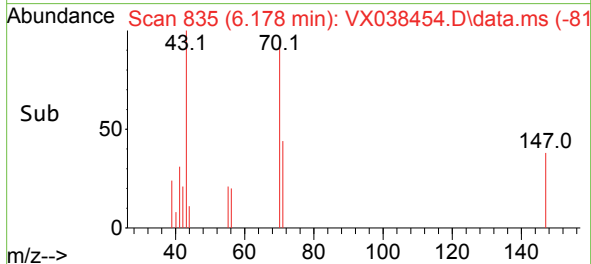


#43
Isopropyl Acetate
Concen: 0.232 ug/l
RT: 6.178 min Scan# 81
Delta R.T. -0.164 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

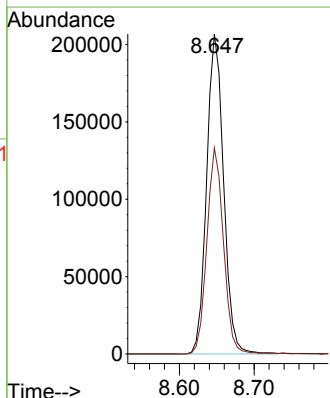
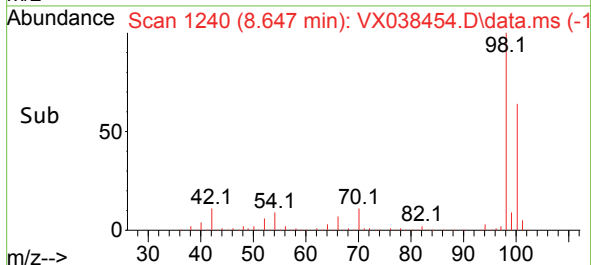
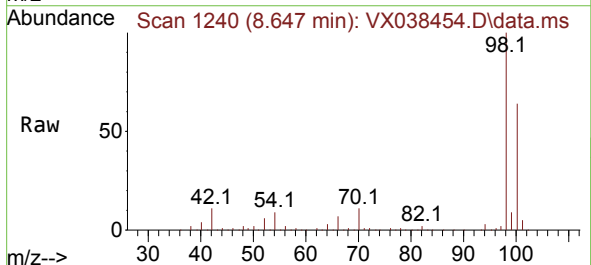


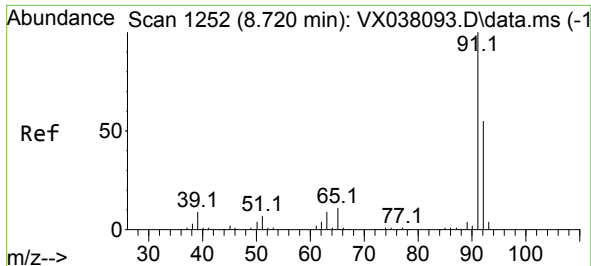
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 44.312 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

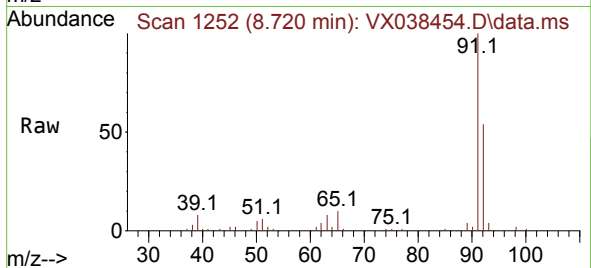
Tgt Ion: 98 Resp: 325660
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7



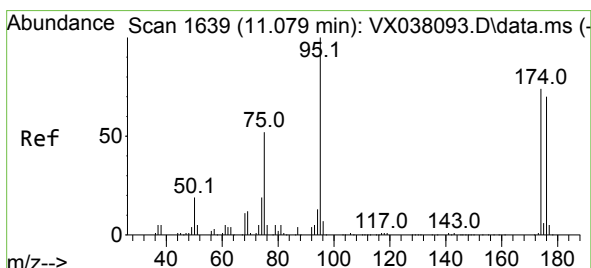
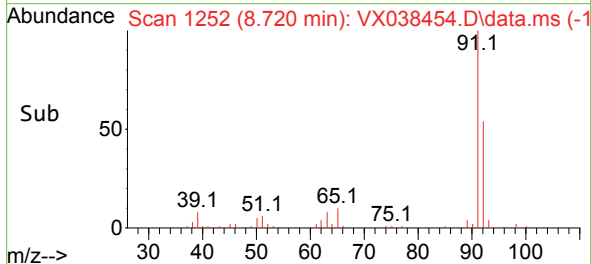
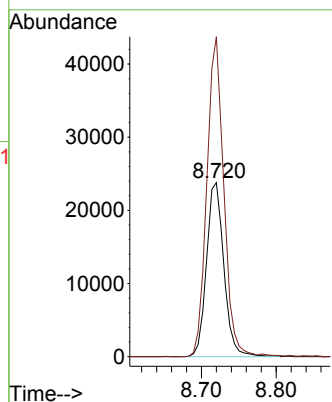


#52
Toluene
Concen: 7.950 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Instrument :
MSVOA_X
ClientSampleId :

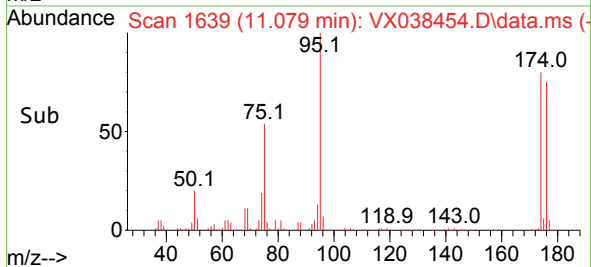
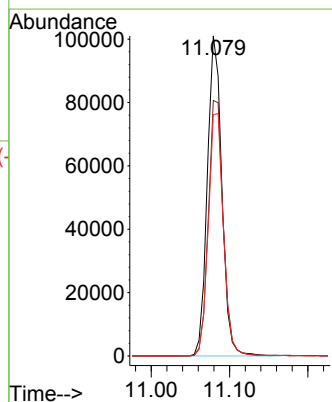
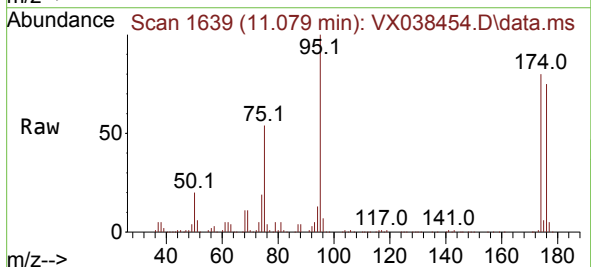


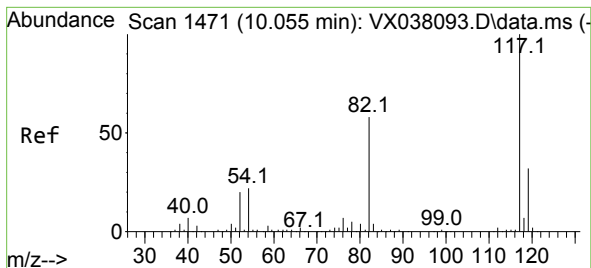
Tgt Ion: 92 Resp: 38417
Ion Ratio Lower Upper
92 100
91 180.2 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 46.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038454.D
Acq: 24 Oct 2023 14:45

Tgt Ion: 95 Resp: 129603
Ion Ratio Lower Upper
95 100
174 82.7 0.0 135.6
176 78.9 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: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

MSVOA_X

ClientSampleId :

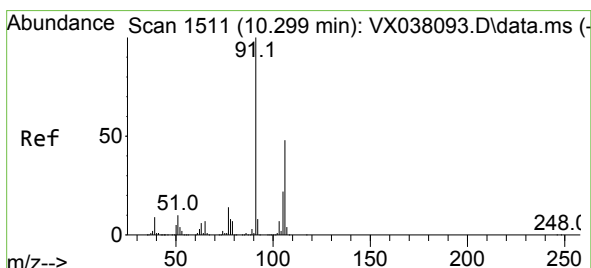
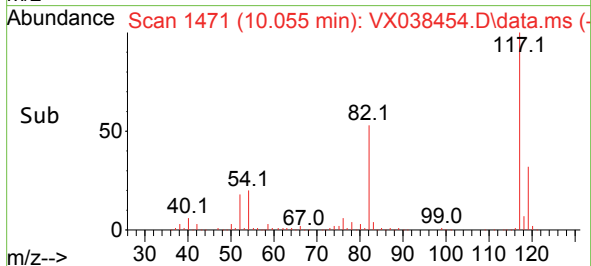
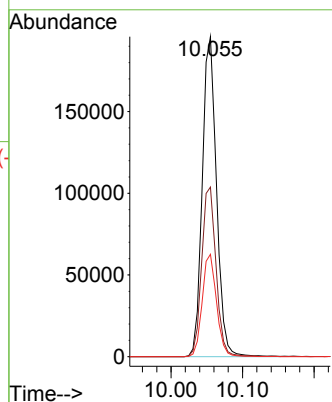
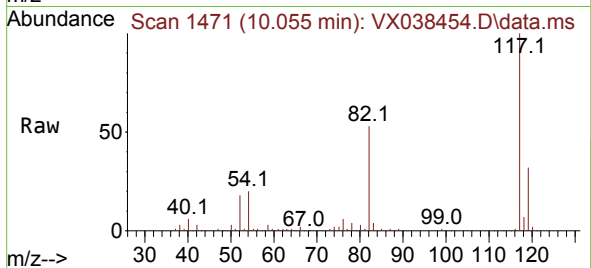
Tgt Ion:117 Resp: 270411

Ion Ratio Lower Upper

117 100

82 53.0 46.2 69.4

119 32.0 25.5 38.3



#68

m/p-Xylenes

Concen: 0.466 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX038454.D

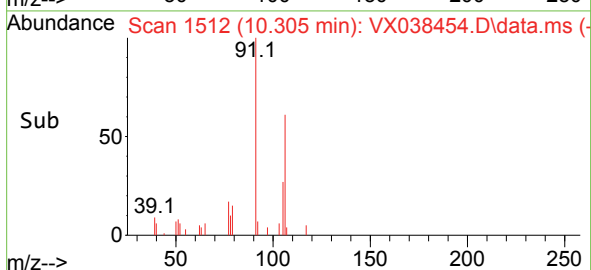
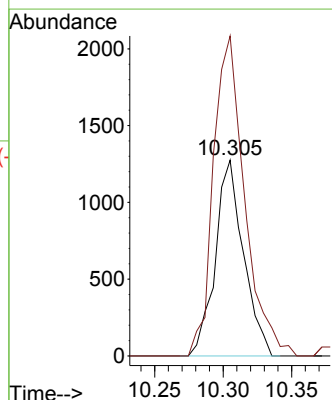
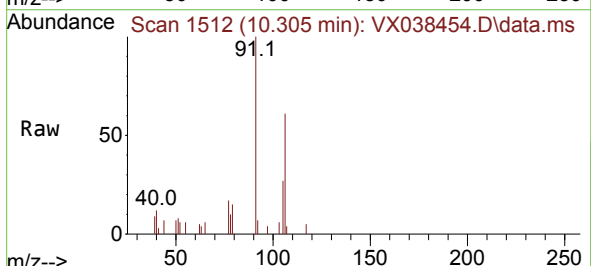
Acq: 24 Oct 2023 14:45

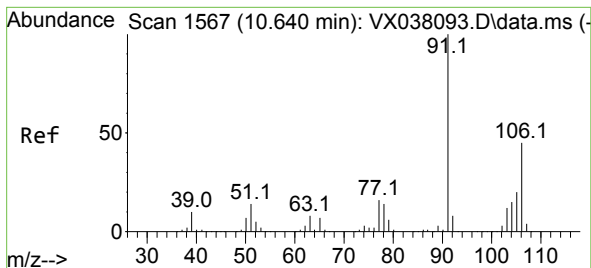
Tgt Ion:106 Resp: 1821

Ion Ratio Lower Upper

106 100

91 181.4 165.5 248.3





#69

o-Xylene

Concen: 0.216 ug/l

RT: 10.640 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

MSVOA_X

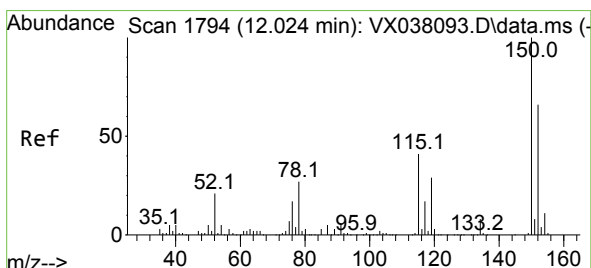
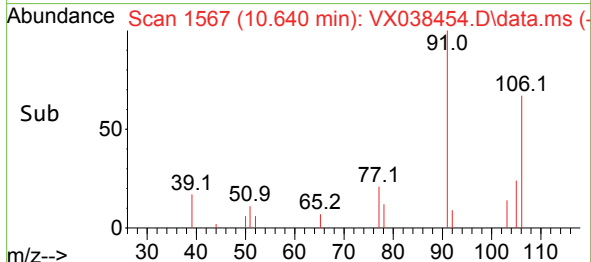
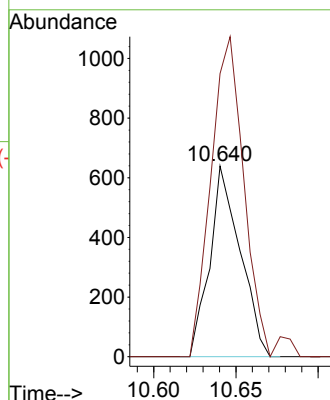
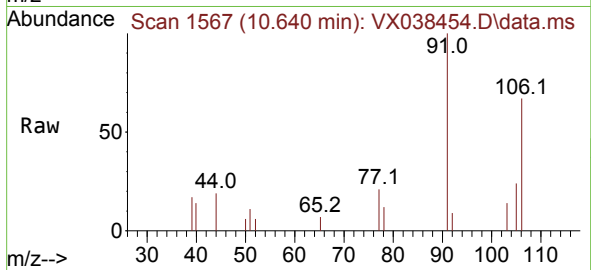
ClientSampleId :

Tgt Ion:106 Resp: 823

Ion Ratio Lower Upper

106 100

91 186.5 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

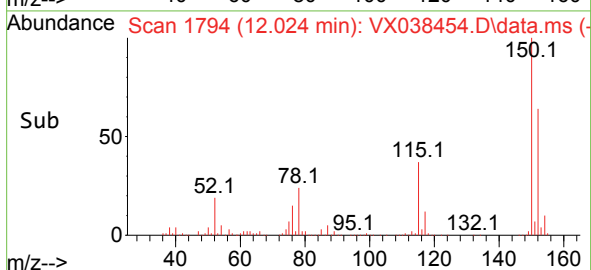
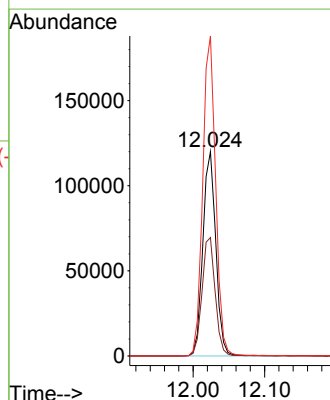
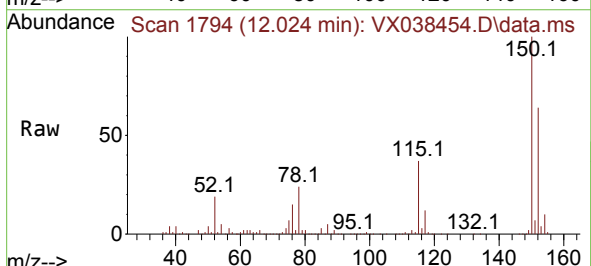
Tgt Ion:152 Resp: 151252

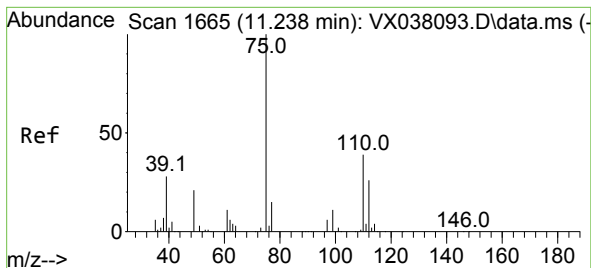
Ion Ratio Lower Upper

152 100

115 59.1 43.3 129.9

150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.805 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

MSVOA_X

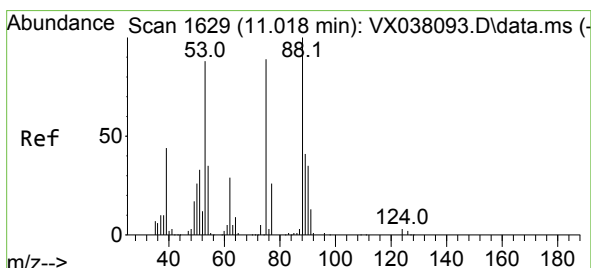
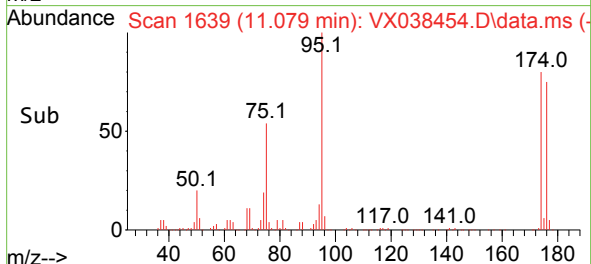
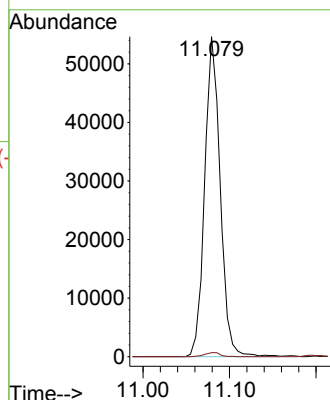
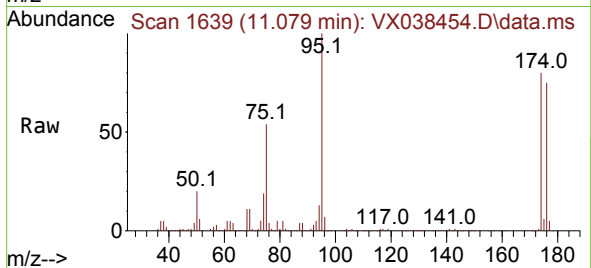
ClientSampleId :

Tgt Ion: 75 Resp: 68099

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.197 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

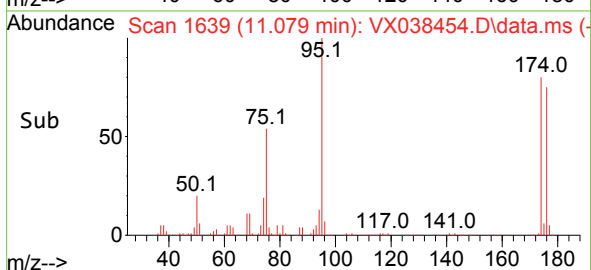
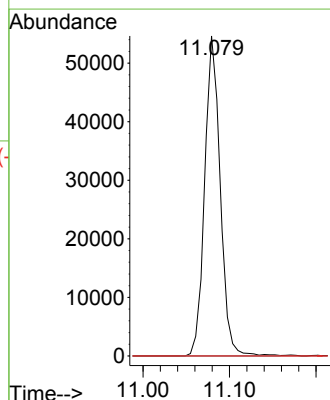
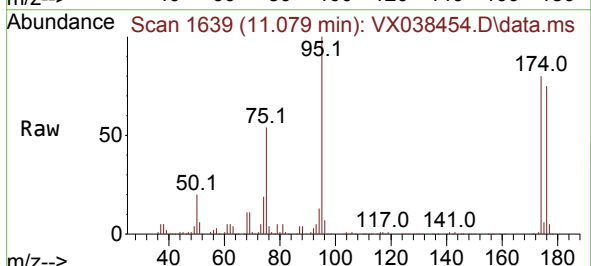
Tgt Ion: 75 Resp: 68099

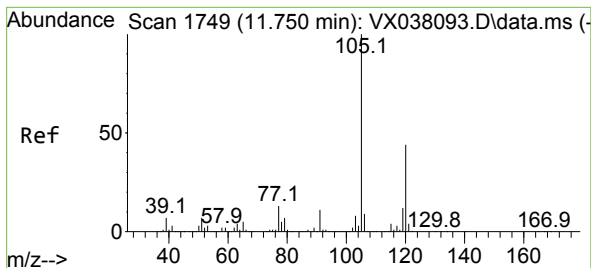
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.525 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

MSVOA_X

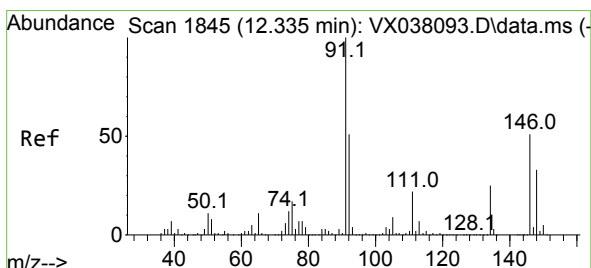
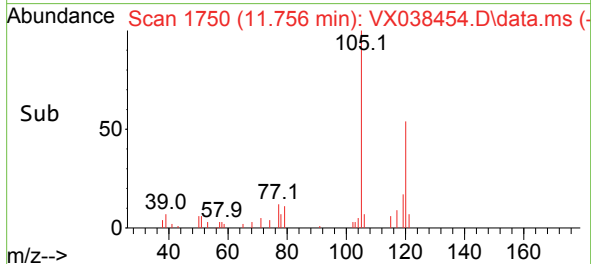
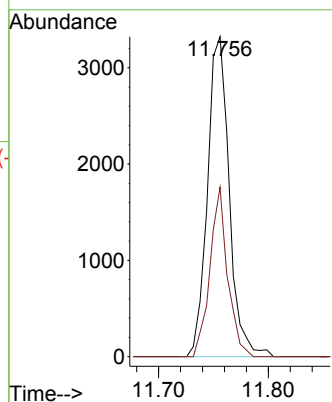
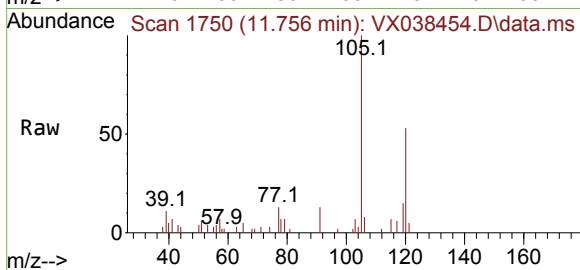
ClientSampleId :

Tgt Ion:105 Resp: 4580

Ion Ratio Lower Upper

105 100

120 43.0 21.2 63.6



#89

n-Butylbenzene

Concen: 0.302 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

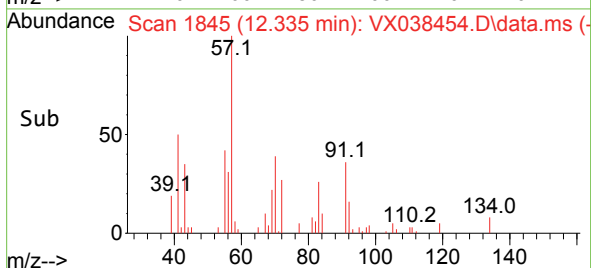
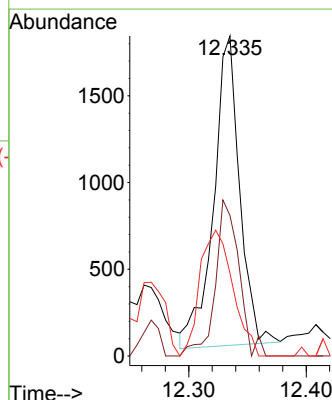
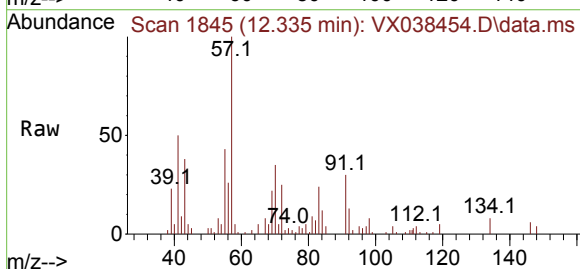
Tgt Ion: 91 Resp: 2746

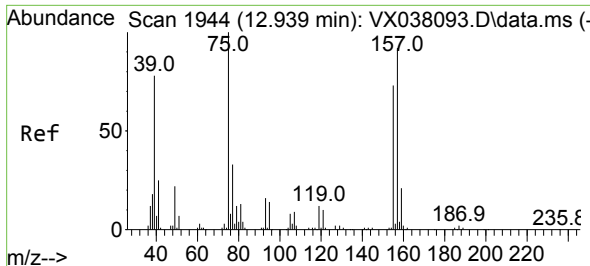
Ion Ratio Lower Upper

91 100

92 45.6 27.4 82.0

134 51.4 12.6 37.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.869 ug/l

RT: 12.994 min Scan# 1944

Delta R.T. 0.049 min

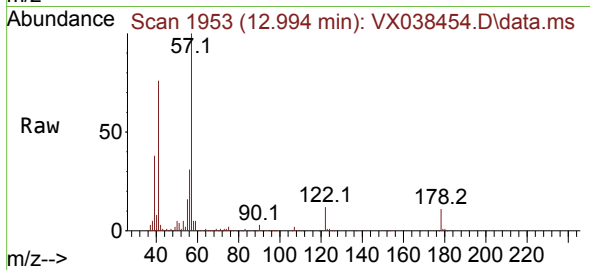
Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Instrument :

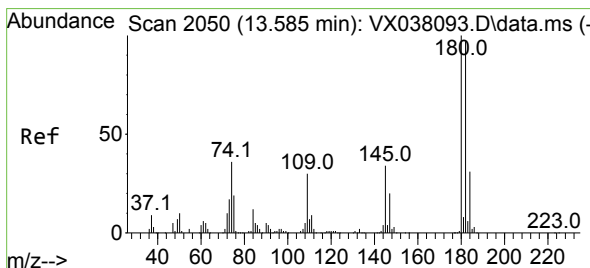
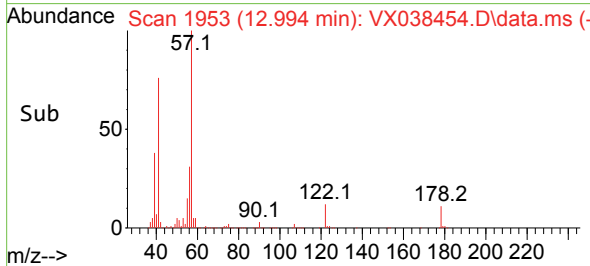
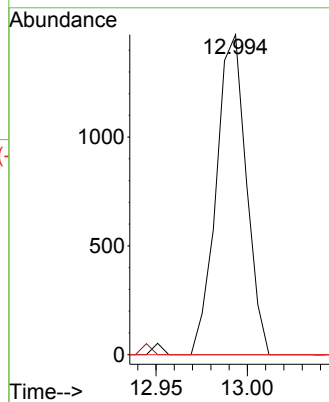
MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 1682

Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.1	108.5#
157	0.0	44.9	134.7#



#93

1,2,4-Trichlorobenzene

Concen: 0.589 ug/l

RT: 13.591 min Scan# 2051

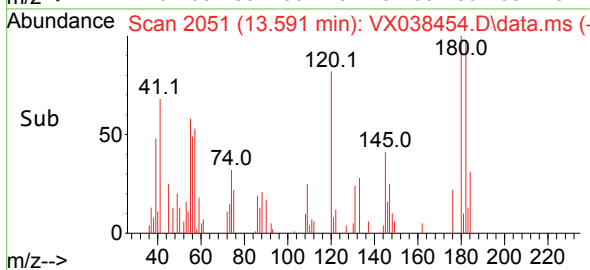
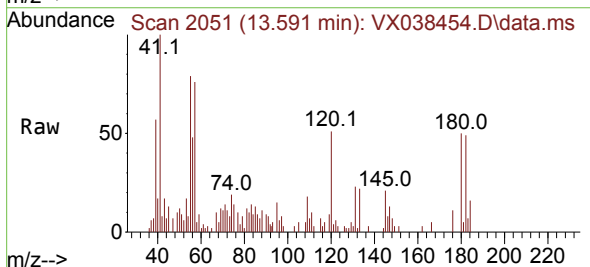
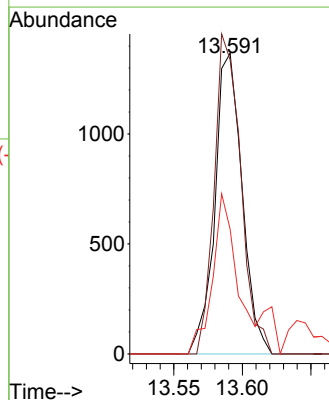
Delta R.T. 0.006 min

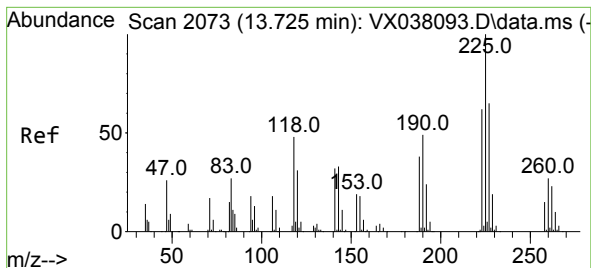
Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

Tgt Ion: 180 Resp: 1890

Ion	Ratio	Lower	Upper
180	100		
182	103.1	48.3	144.8
145	55.4	18.0	54.0#





#94

Hexachlorobutadiene

Concen: 0.520 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

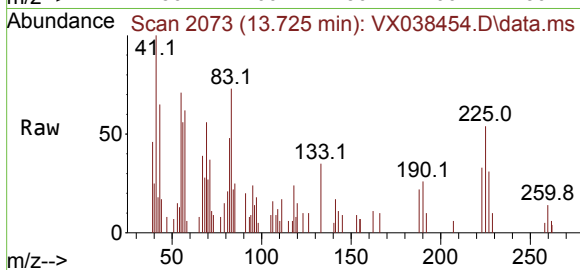
Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

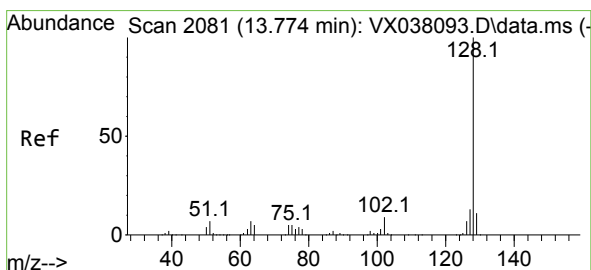
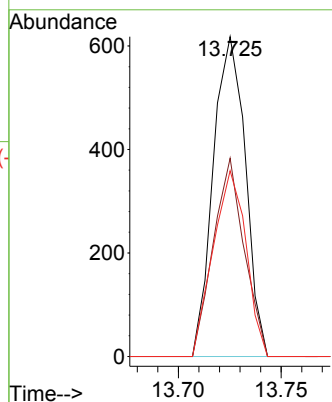
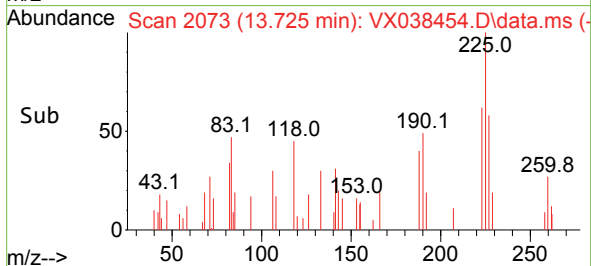
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	225	Resp:	671
Ion Ratio	100	Lower	Upper
225	100		
223	59.8	31.1	93.2
227	59.5	32.5	97.5



#95

Naphthalene

Concen: 0.322 ug/l

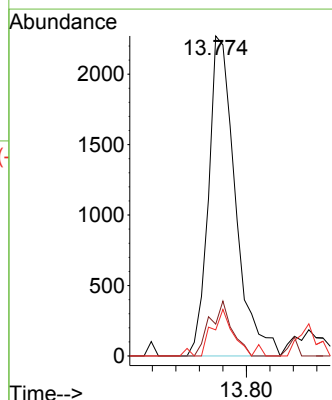
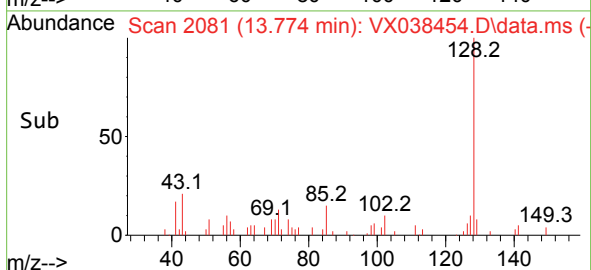
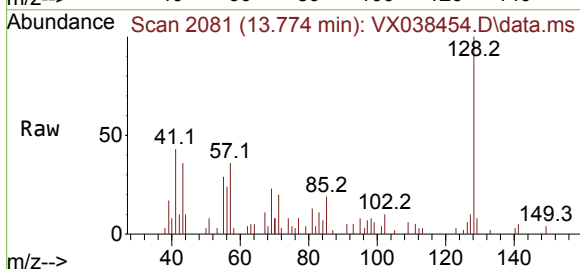
RT: 13.774 min Scan# 2081

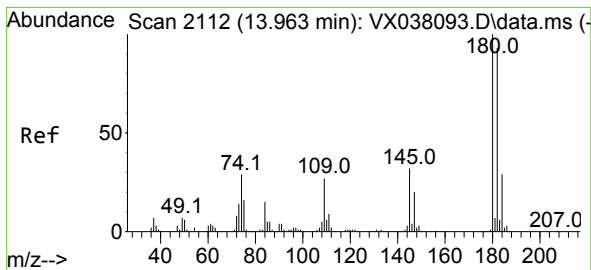
Delta R.T. -0.000 min

Lab File: VX038454.D

Acq: 24 Oct 2023 14:45

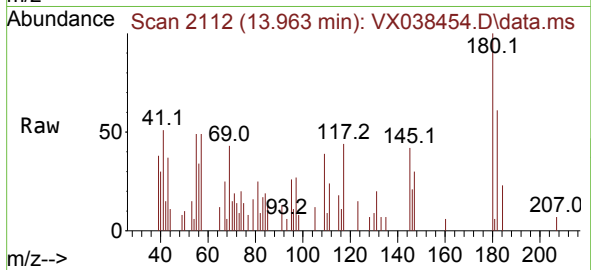
Tgt Ion:	128	Resp:	3592
Ion Ratio	100	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	11.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.335 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038454.D
 Acq: 24 Oct 2023 14:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1041
Ion Ratio	Lower	Upper	
180	100		
182	86.8	46.9	140.6
145	39.7	17.8	53.5

