

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038326.D
 Acq On : 17 Oct 2023 13:58
 Operator : JC/MD
 Sample : 04899-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 03:58:38 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

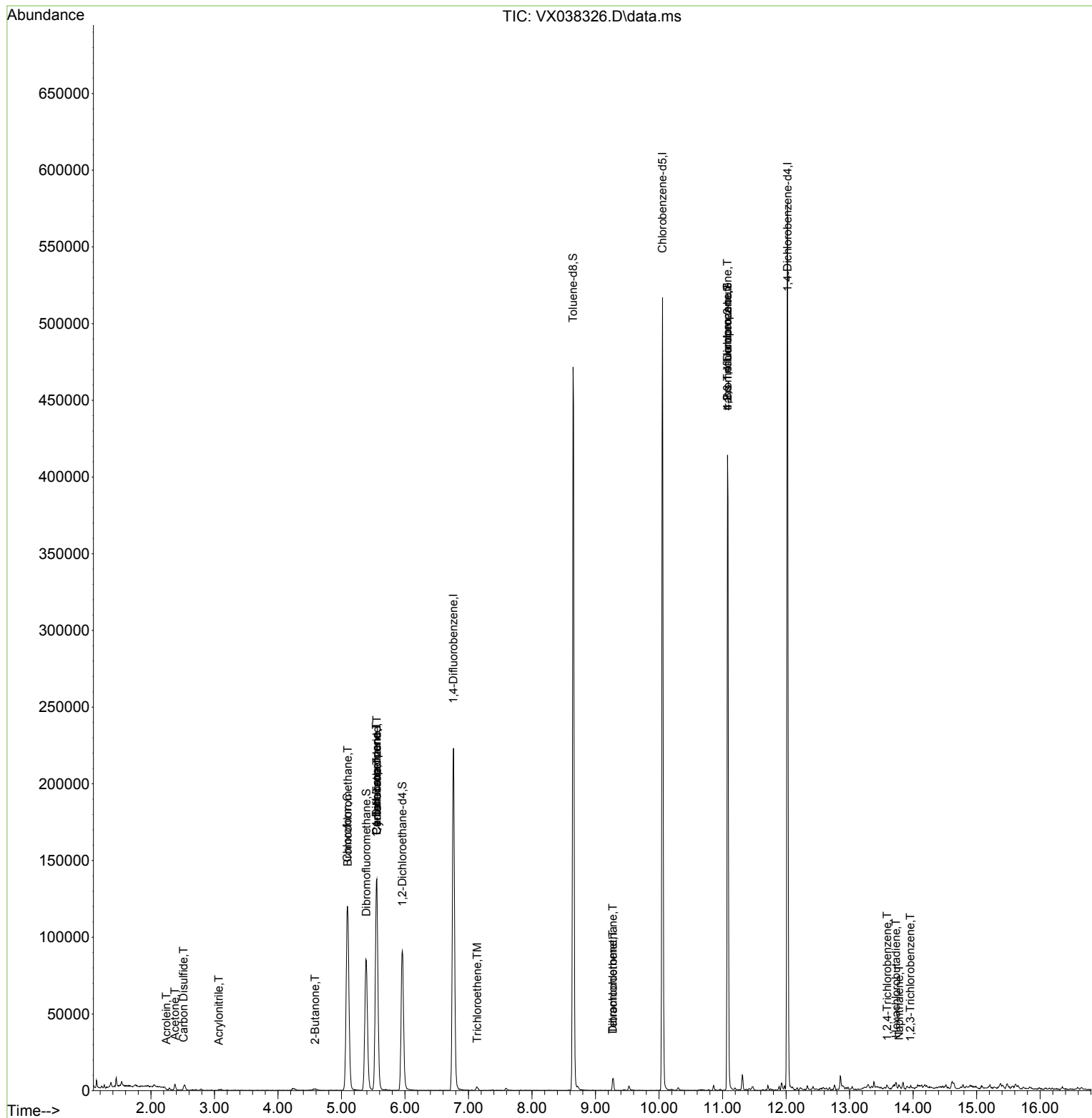
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	129039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229391	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90859	43.777	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.560%
35) Dibromofluoromethane	5.391	113	74344	44.978	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.960%
50) Toluene-d8	8.647	98	287499	45.518	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.040%#
62) 4-Bromofluorobenzene	11.079	95	111352	46.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.000%
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	101	Below Cal	#	72
6) Chloroethane	1.678	64	145	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	137	Below Cal	#	78
13) Acrolein	2.239	56	159	0.539	ug/l #	62
15) Acrylonitrile	3.068	53	311	0.329	ug/l #	80
16) Acetone	2.379	43	3914	4.519	ug/l	95
17) Carbon Disulfide	2.514	76	1433	0.421	ug/l #	92
25) 2-Butanone	4.586	43	1021	0.731	ug/l	100
28) Bromochloromethane	5.098	49	11644	9.603	ug/l #	16
30) Chloroform	5.092	83	143355	48.808	ug/l	96
31) Cyclohexane	5.556	56	3009	1.338	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	11035	4.841	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13560	6.047	ug/l #	14
44) Trichloroethene	7.135	130	1019	0.611	ug/l	85
60) Dibromochloromethane	9.274	129	713	0.410	ug/l #	11
64) Tetrachloroethene	9.274	164	778	0.523	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	59040	21.578	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	59040	61.958	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	651	0.255	ug/l	91
94) Hexachlorobutadiene	13.731	225	300	0.292	ug/l	91
95) Naphthalene	13.780	128	2049	0.231	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.957	180	590	0.239	ug/l	89

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

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QLast Update : Thu Oct 05 15:27:13 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

Instrument :

MSVOA_X

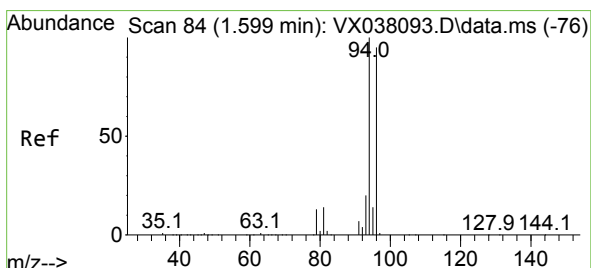
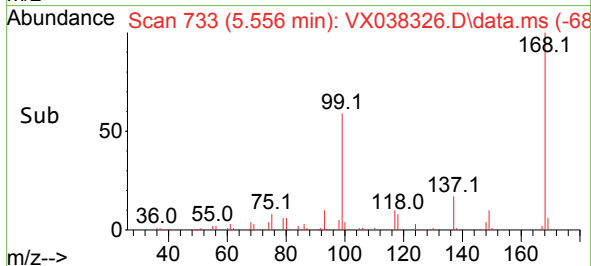
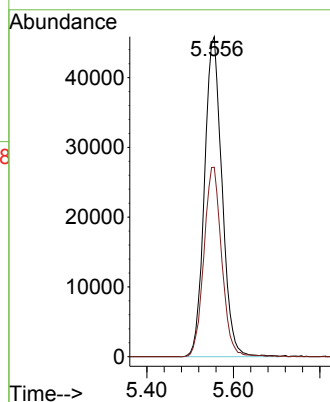
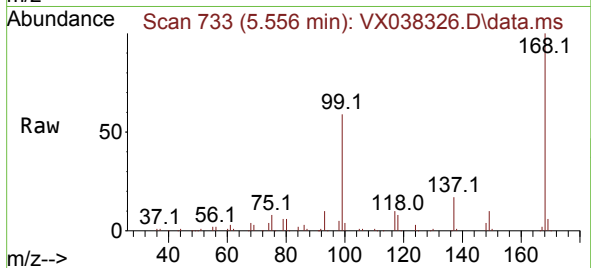
ClientSampleId :

Tgt Ion:168 Resp: 129039

Ion Ratio Lower Upper

168 100

99 59.2 56.6 85.0



#5

Bromomethane

Concen: Below Cal

RT: 1.623 min Scan# 88

Delta R.T. 0.024 min

Lab File: VX038326.D

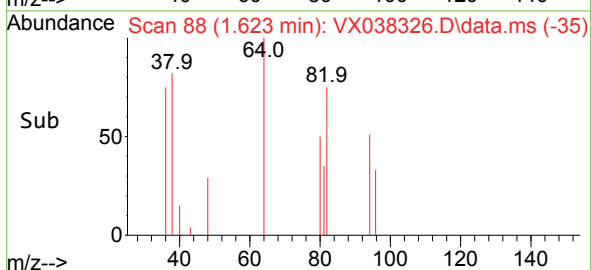
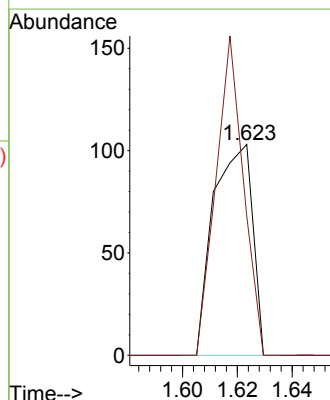
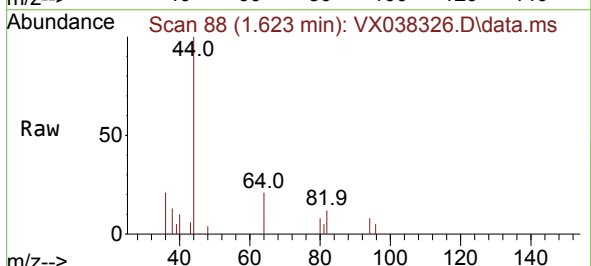
Acq: 17 Oct 2023 13:58

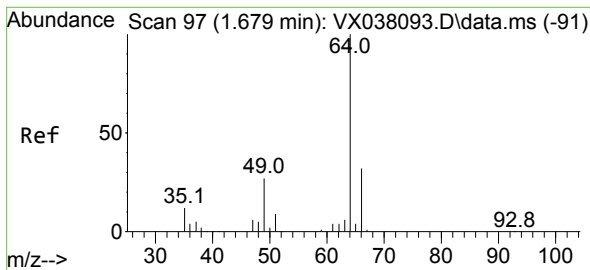
Tgt Ion: 94 Resp: 101

Ion Ratio Lower Upper

94 100

96 66.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.678 min Scan# 91

Delta R.T. -0.001 min

Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

Instrument :

MSVOA_X

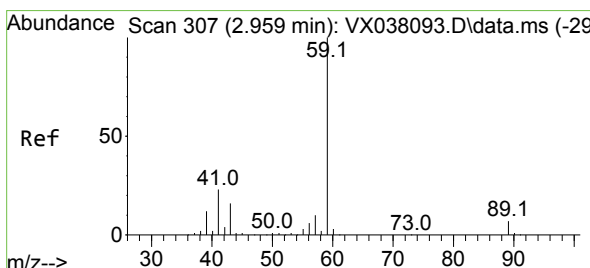
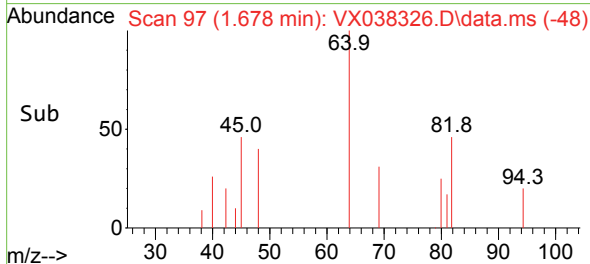
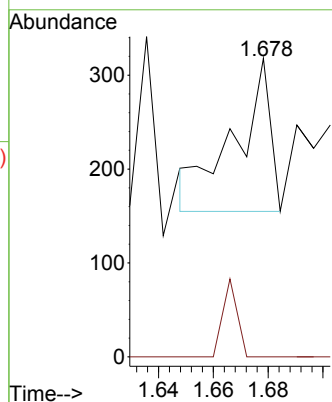
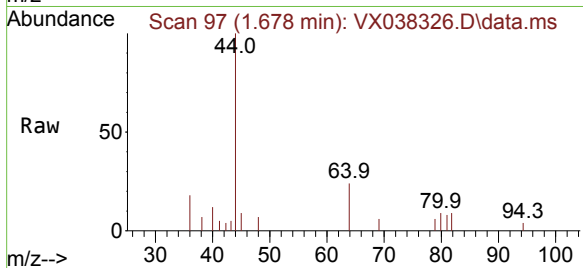
ClientSampleId :

Tgt Ion: 64 Resp: 145

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.013 min

Lab File: VX038326.D

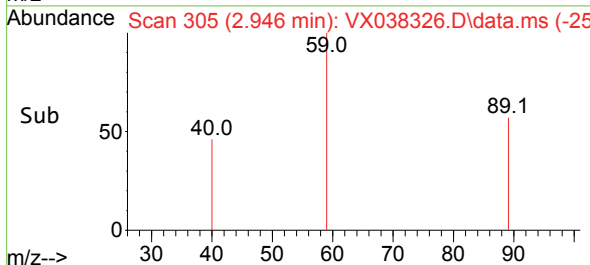
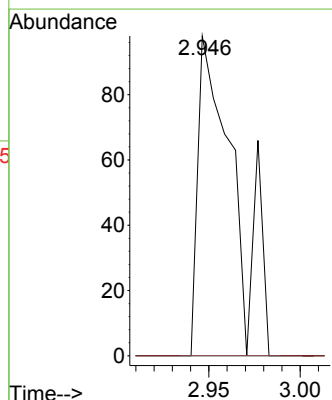
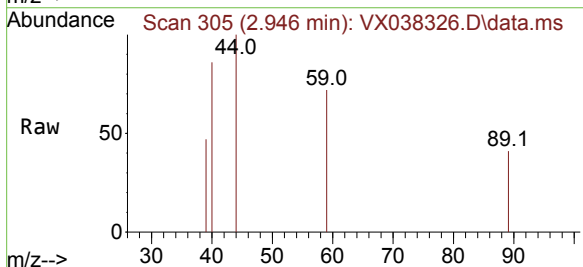
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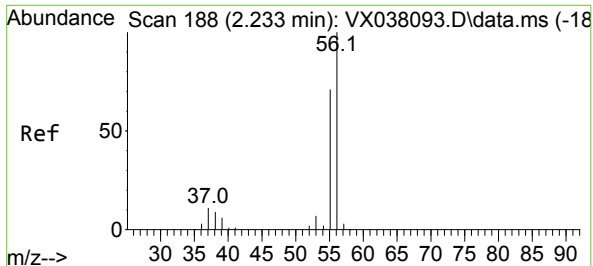
Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

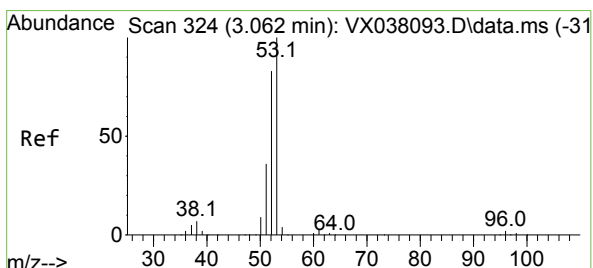
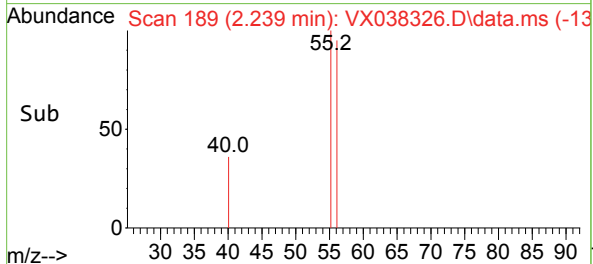
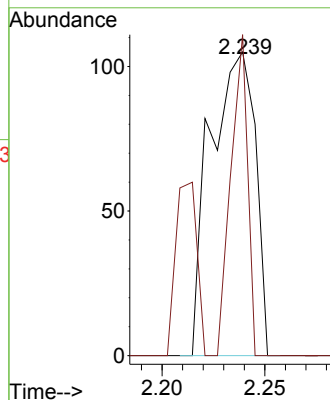
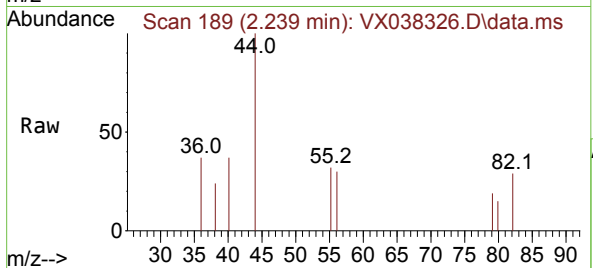




#13
Acrolein
Concen: 0.539 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

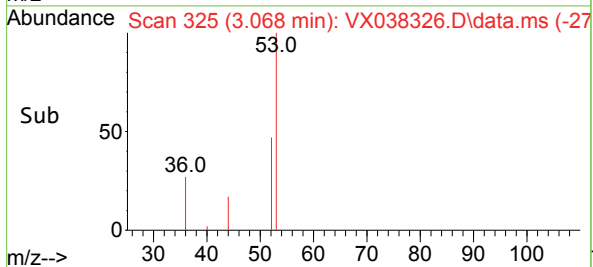
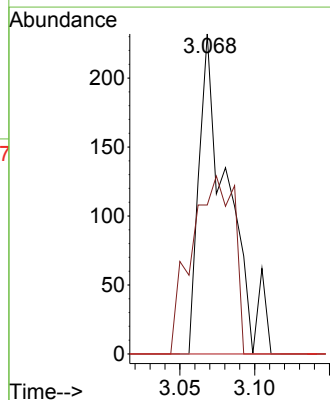
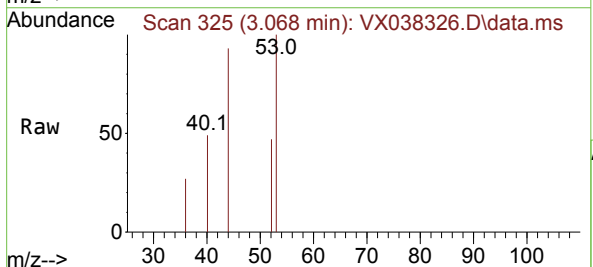
Instrument :
MSVOA_X
ClientSampleId :

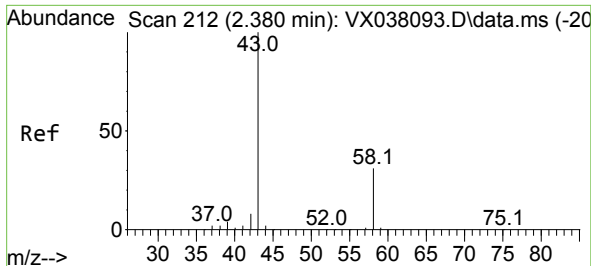
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 39.6 57.1 85.7#



#15
Acrylonitrile
Concen: 0.329 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 53 Resp: 311
Ion Ratio Lower Upper
53 100
52 82.0 66.0 99.0
51 0.0 29.8 44.6#

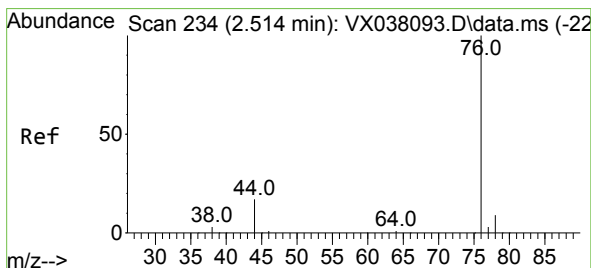
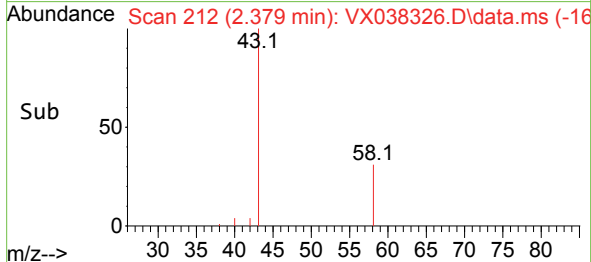
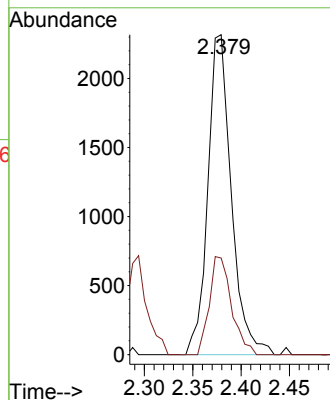
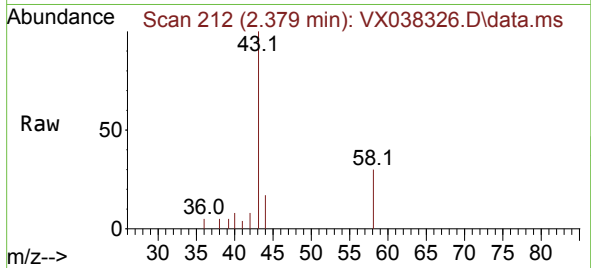




#16
Acetone
Concen: 4.519 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

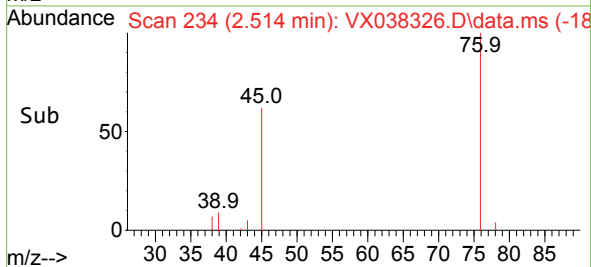
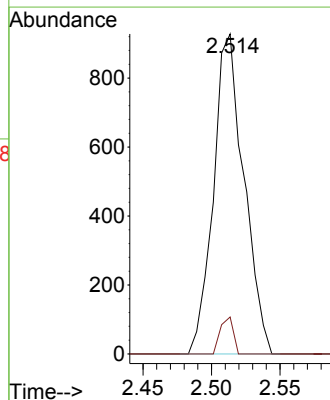
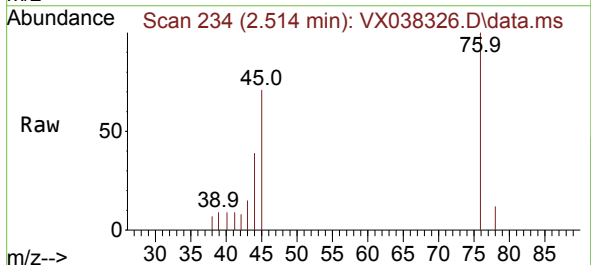
Instrument :
MSVOA_X
ClientSampleId :

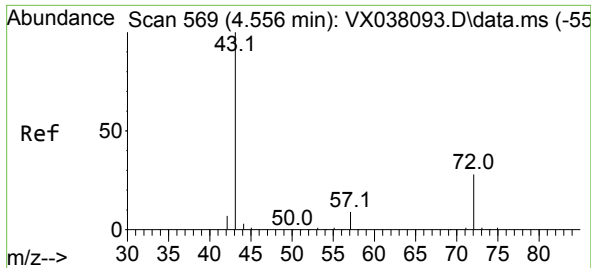
Tgt Ion: 43 Resp: 3914
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.421 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 76 Resp: 1433
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.6#

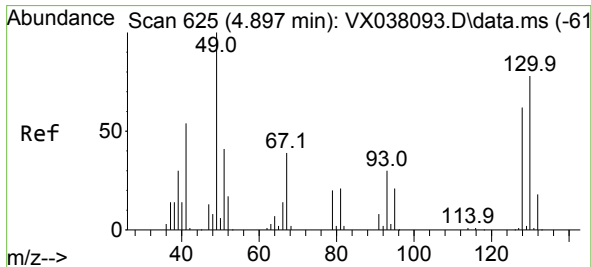
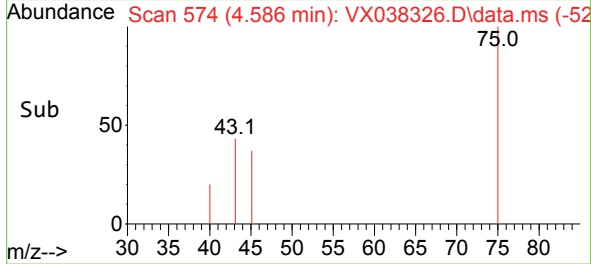
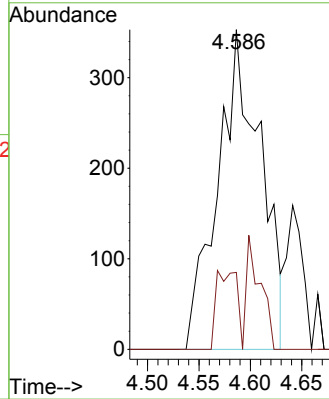
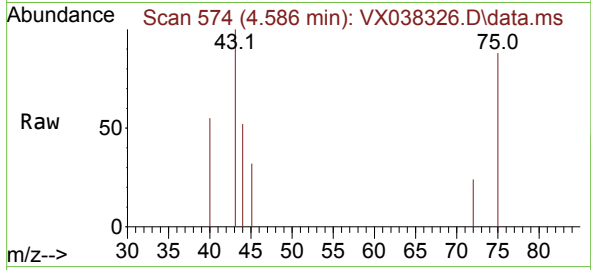




#25
2-Butanone
Concen: 0.731 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

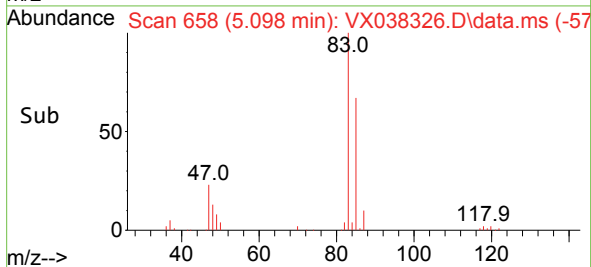
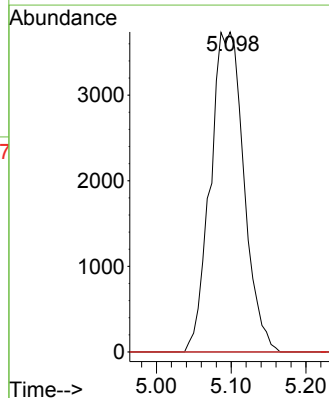
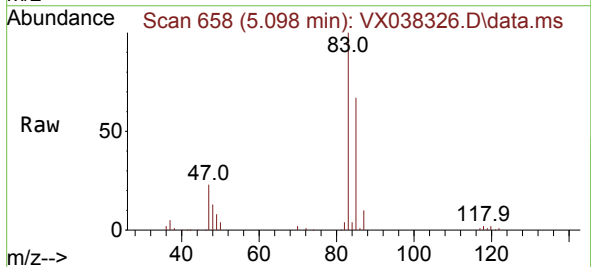
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ClientSampleId :

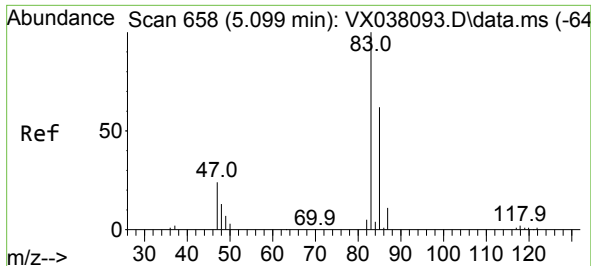
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
72 24.1 19.4 29.2



#28
Bromochloromethane
Concen: 9.603 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.201 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 49 Resp: 11644
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

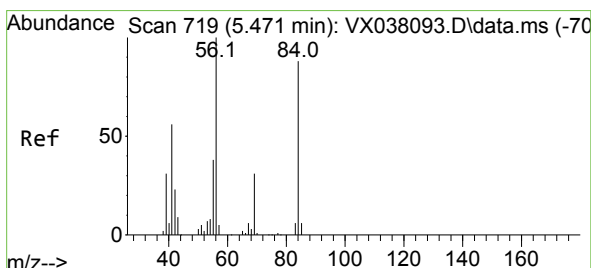
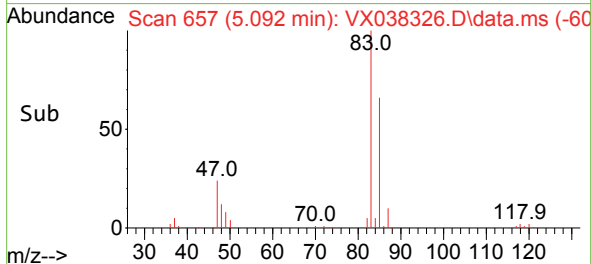
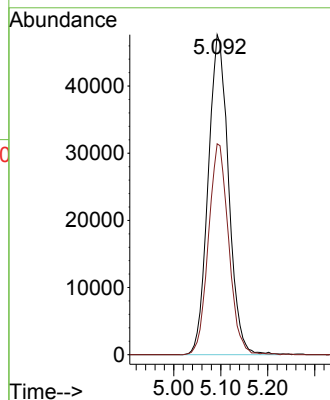
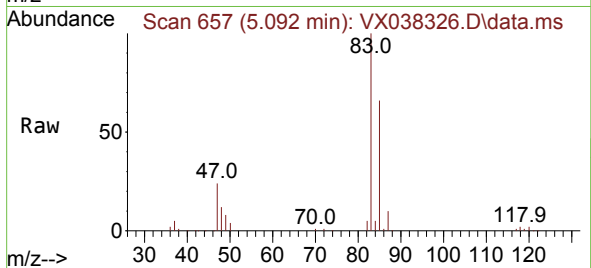




#30
Chloroform
Concen: 48.808 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

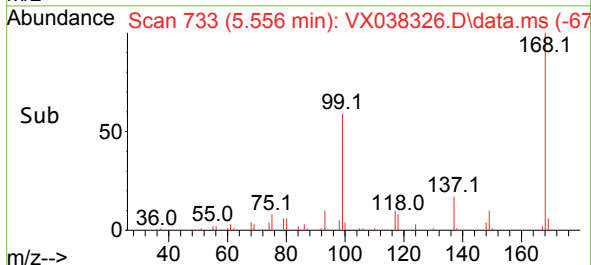
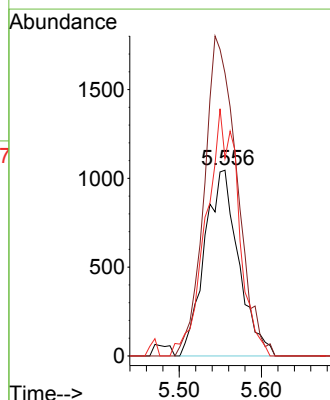
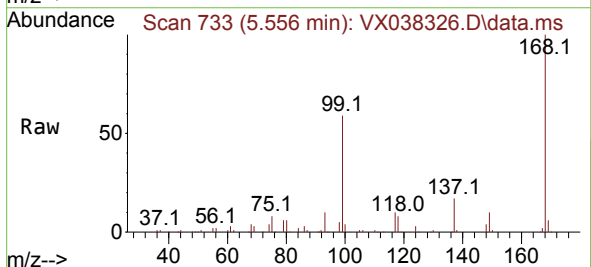
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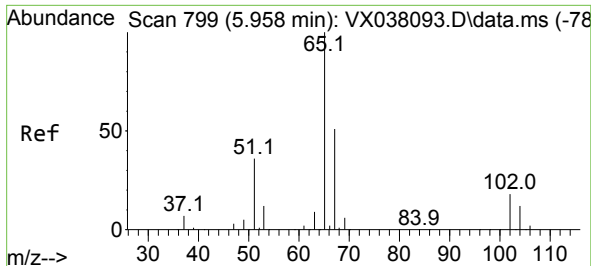
Tgt Ion: 83 Resp: 143355
Ion Ratio Lower Upper
83 100
85 65.9 50.3 75.5



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 56 Resp: 3009
Ion Ratio Lower Upper
56 100
69 152.2 23.4 35.2#
84 106.4 65.9 98.9#

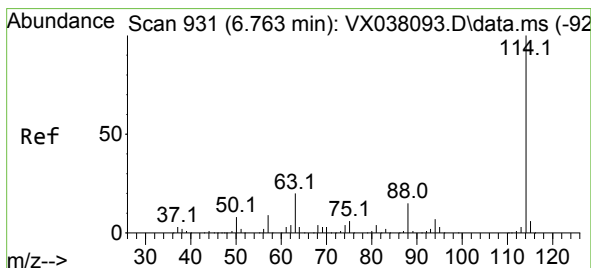
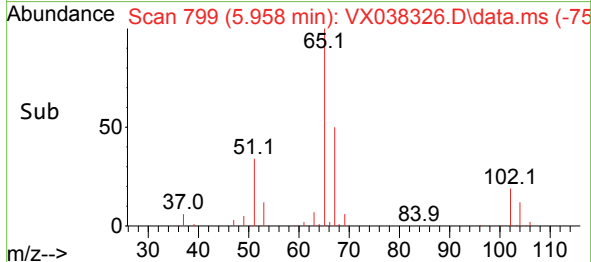
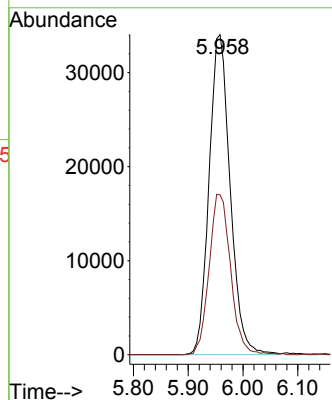
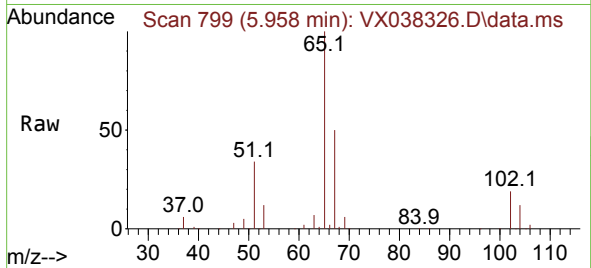




#33
 1,2-Dichloroethane-d4
 Concen: 43.777 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038326.D
 Acq: 17 Oct 2023 13:58

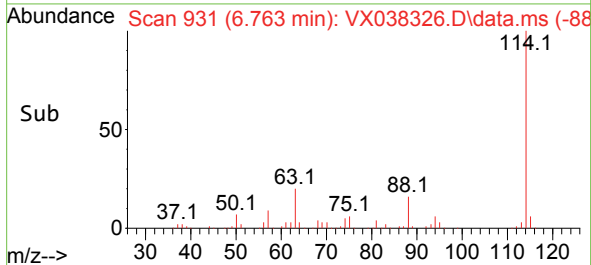
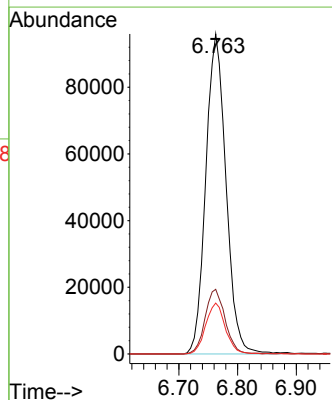
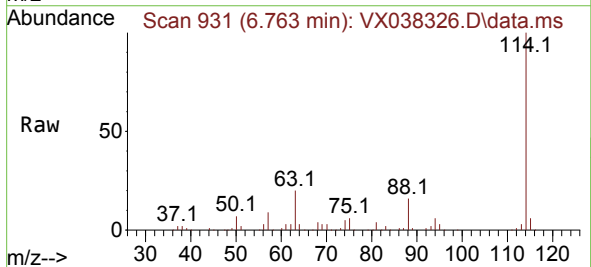
Instrument :
 MSVOA_X
 ClientSampleId :

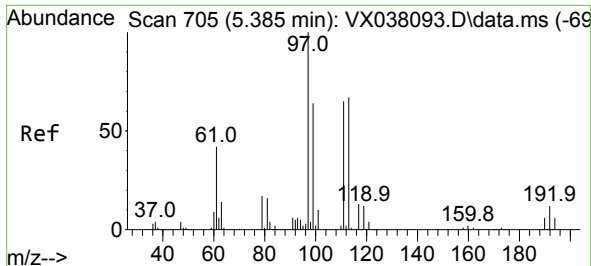
Tgt Ion: 65 Resp: 90859
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038326.D
 Acq: 17 Oct 2023 13:58

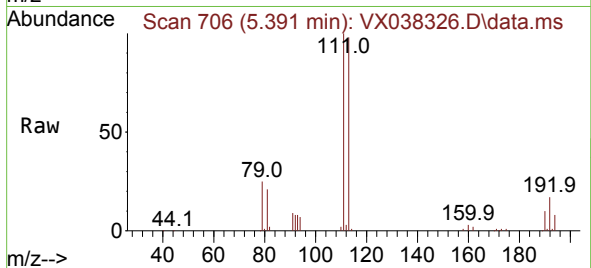
Tgt Ion: 114 Resp: 229391
 Ion Ratio Lower Upper
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 63 20.2 0.0 45.0
 88 15.9 0.0 36.6



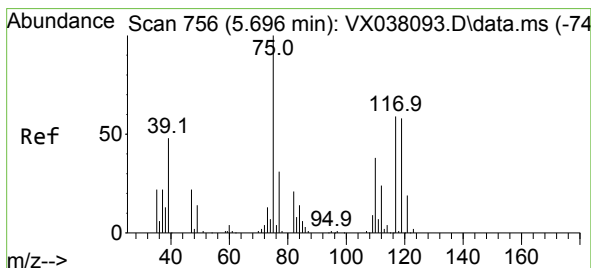
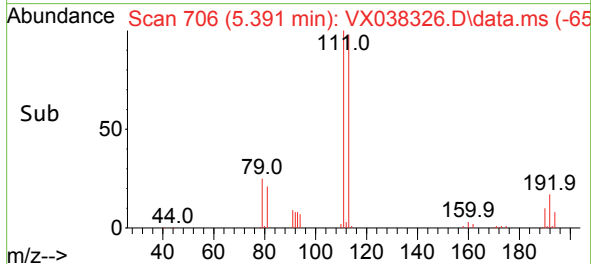
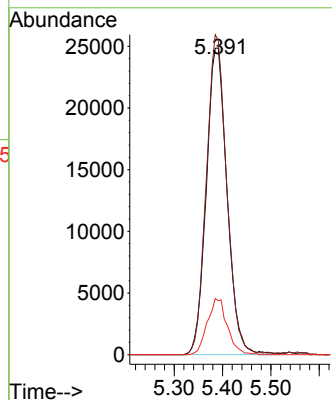


#35
Dibromofluoromethane
Concen: 44.978 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Instrument :
MSVOA_X
ClientSampleId :

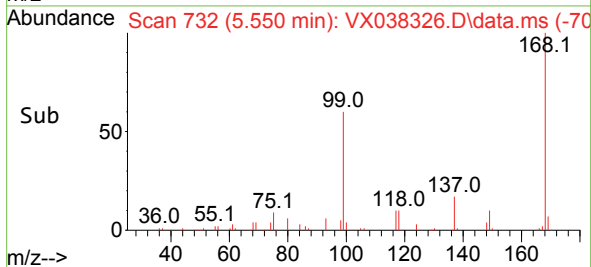
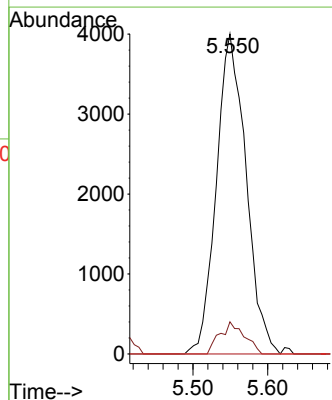
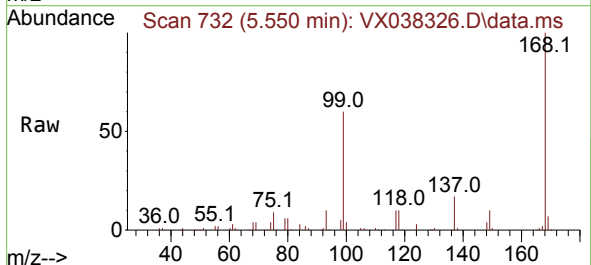


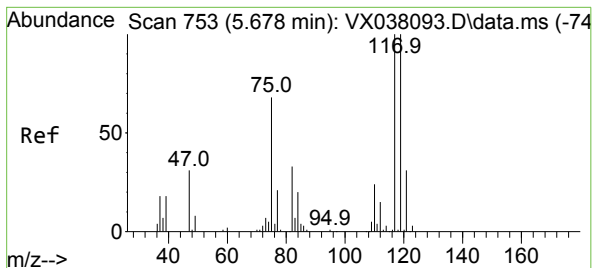
Tgt Ion:113 Resp: 74344
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 75 Resp: 11035
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

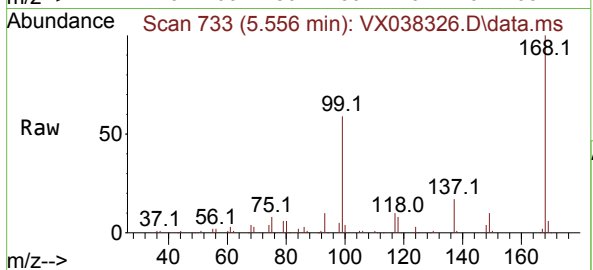
Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

Instrument :

MSVOA_X

ClientSampleId :



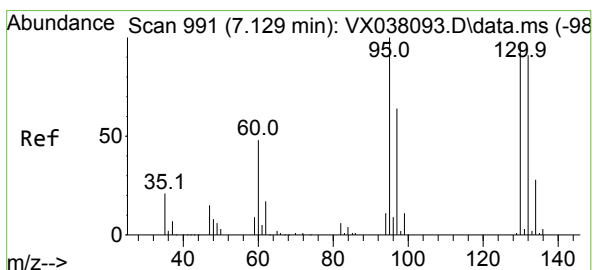
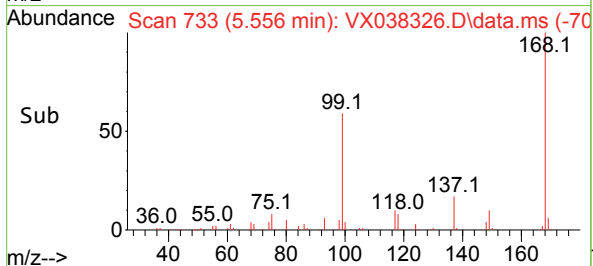
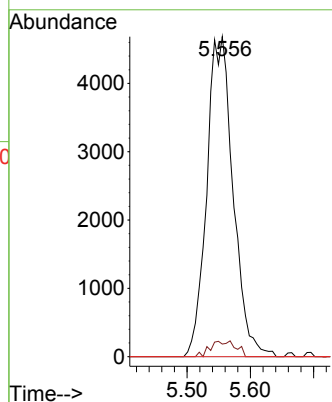
Tgt Ion:117 Resp: 13560

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.611 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX038326.D

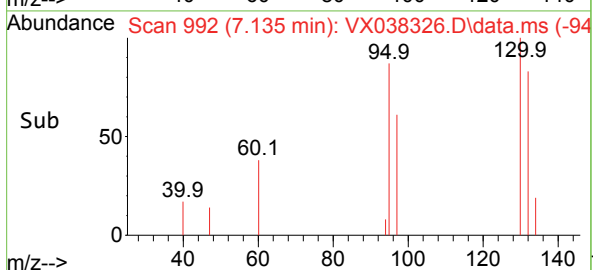
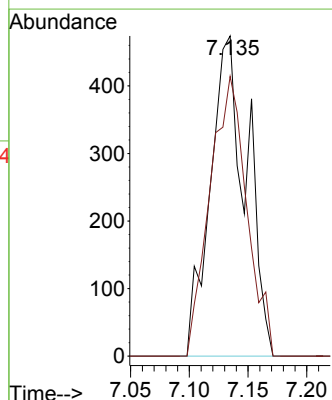
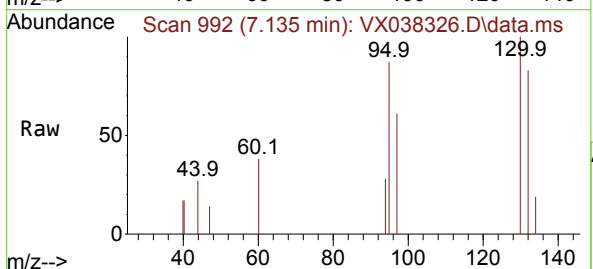
Acq: 17 Oct 2023 13:58

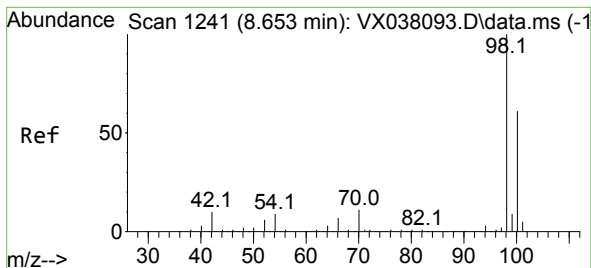
Tgt Ion:130 Resp: 1019

Ion Ratio Lower Upper

130 100

95 87.3 0.0 204.4





#50

Toluene-d8

Concen: 45.518 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

Instrument :

MSVOA_X

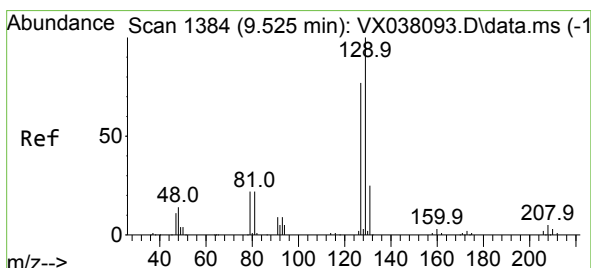
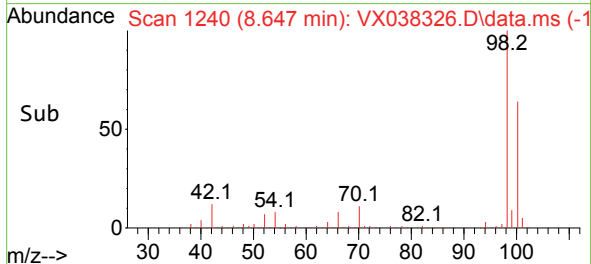
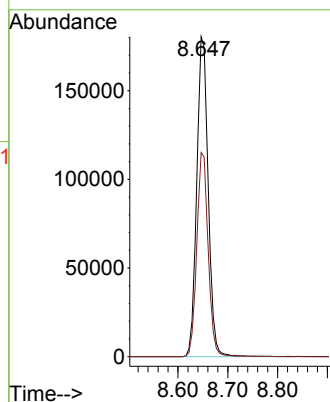
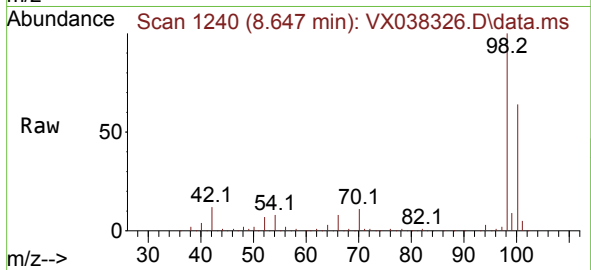
ClientSampleId :

Tgt Ion: 98 Resp: 287499

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7



#60

Dibromochloromethane

Concen: 0.410 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.251 min

Lab File: VX038326.D

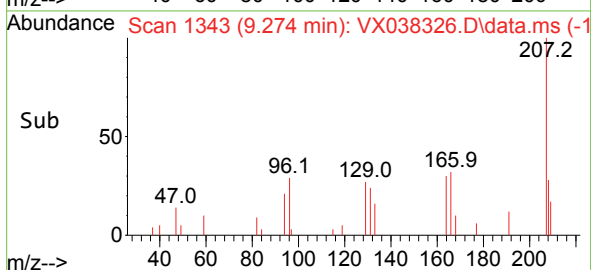
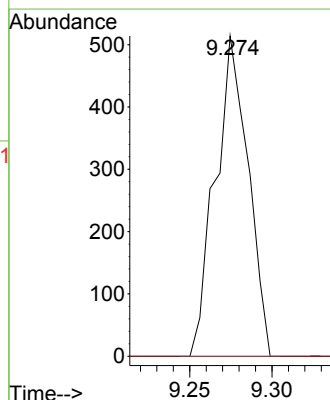
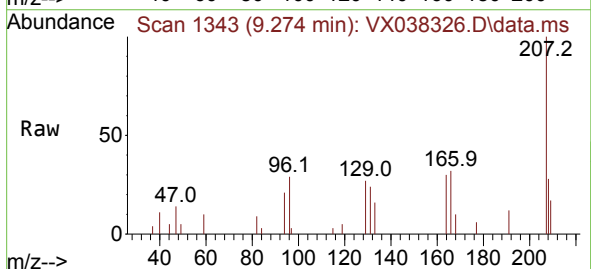
Acq: 17 Oct 2023 13:58

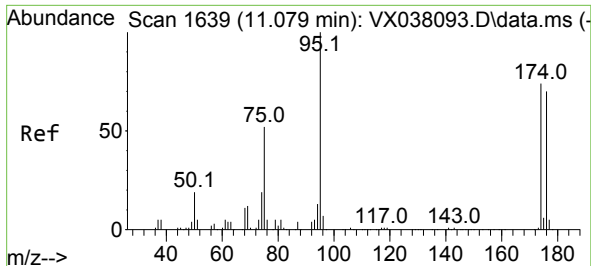
Tgt Ion: 129 Resp: 713

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

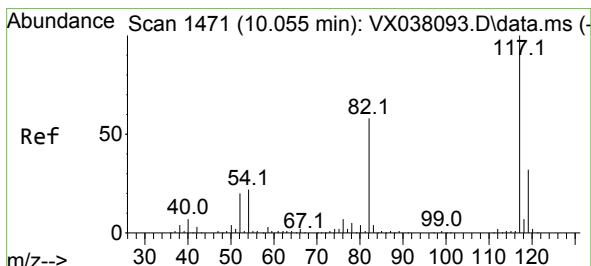
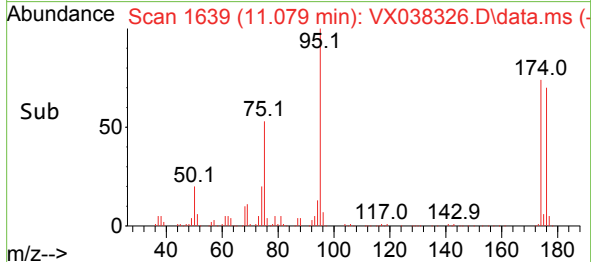
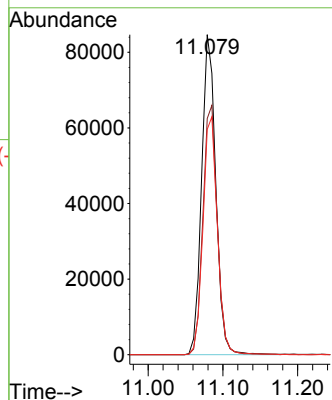
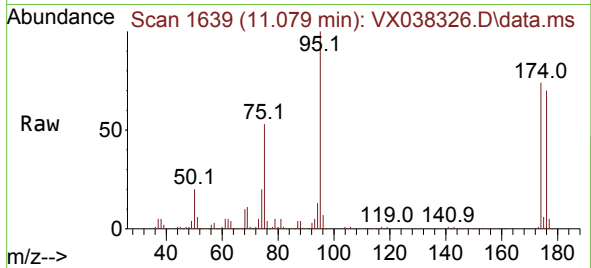




#62
4-Bromofluorobenzene
Concen: 46.503 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

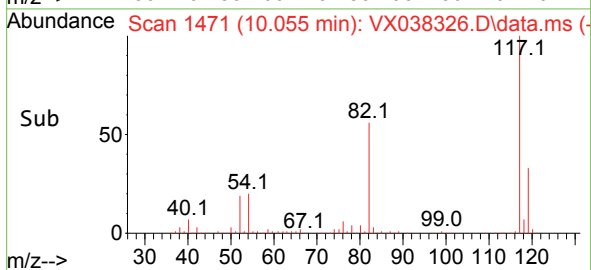
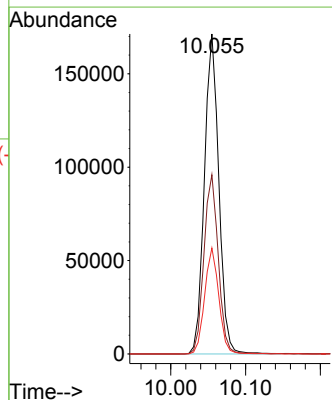
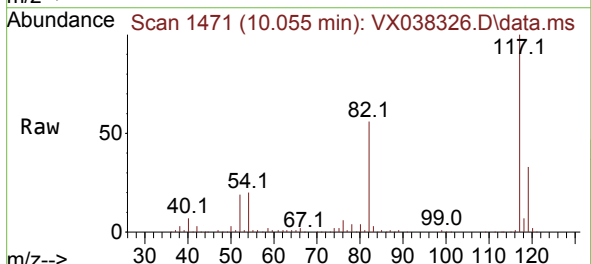
Instrument :
MSVOA_X
ClientSampleId :

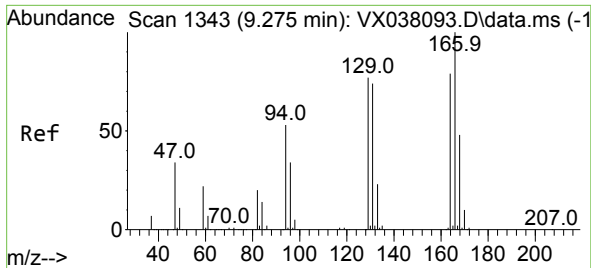
Tgt Ion: 95 Resp: 111352
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

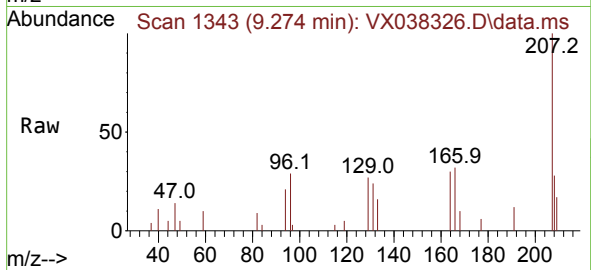
Tgt Ion: 117 Resp: 229698
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 33.1 25.5 38.3



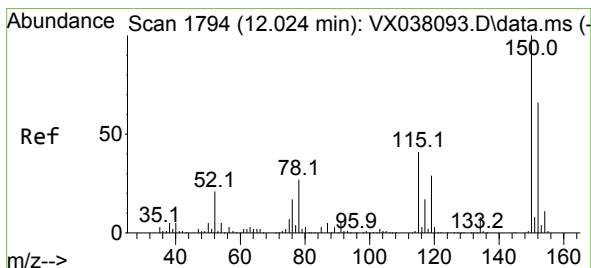
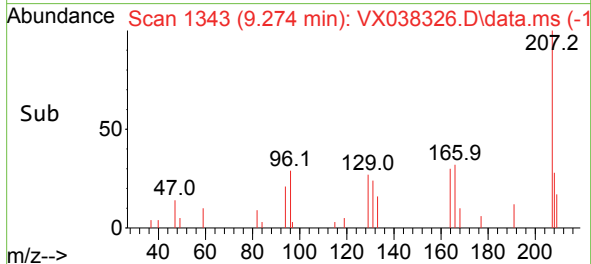
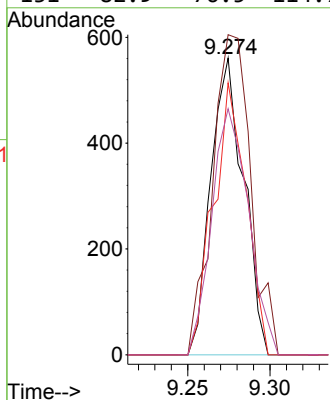


#64
Tetrachloroethene
Concen: 0.523 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Instrument :
MSVOA_X
ClientSampleId :

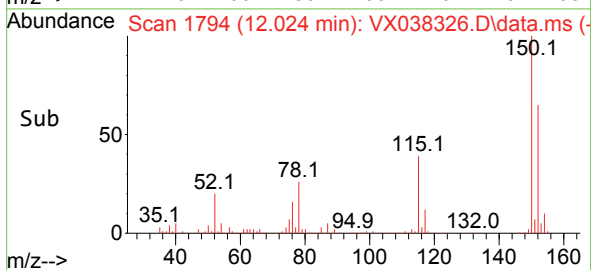
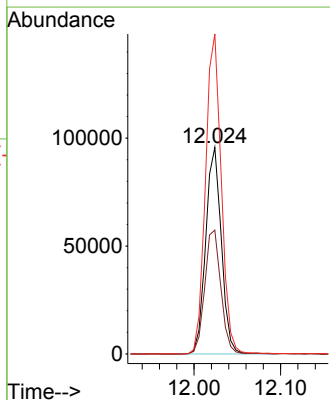
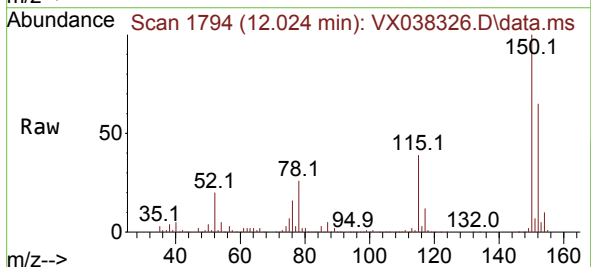


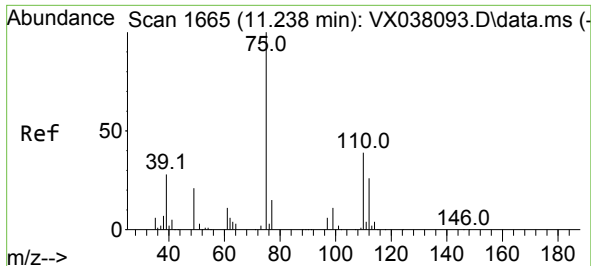
Tgt	Ion:164	Resp:	778
Ion	Ratio	Lower	Upper
164	100		
166	107.8	102.7	154.1
129	91.6	80.4	120.6
131	82.9	76.5	114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt	Ion:152	Resp:	120353
Ion	Ratio	Lower	Upper
152	100		
115	61.8	43.3	129.9
150	156.1	0.0	345.0

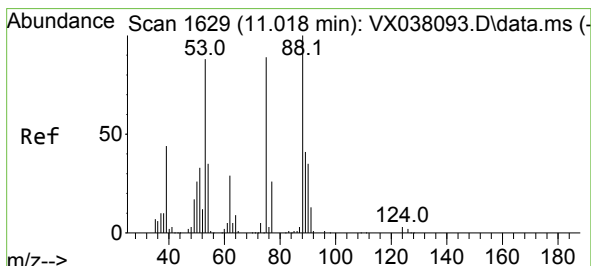
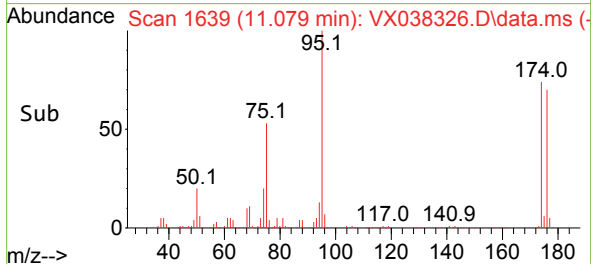
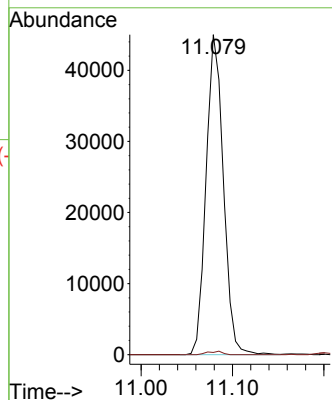
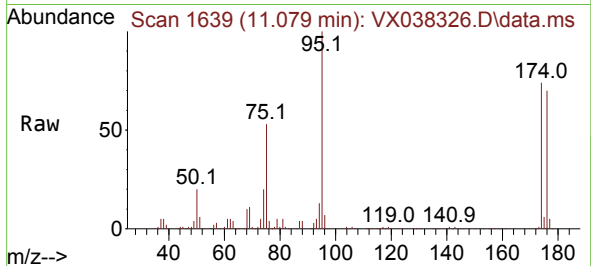




#76
1,2,3-Trichloropropane
Concen: 21.578 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

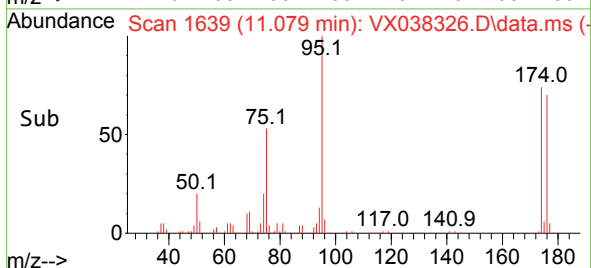
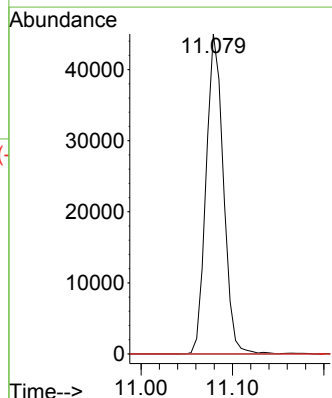
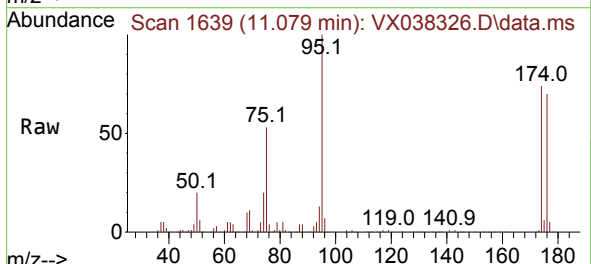
Instrument :
MSVOA_X
ClientSampleId :

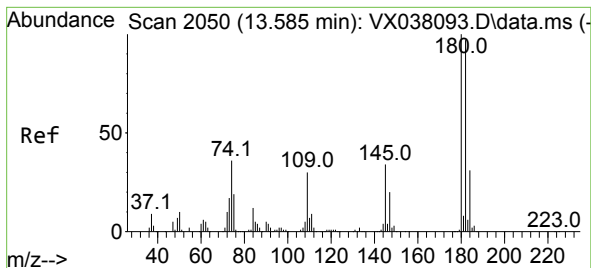
Tgt Ion: 75 Resp: 59040
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.958 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion: 75 Resp: 59040
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.255 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

Instrument :

MSVOA_X

ClientSampleId :

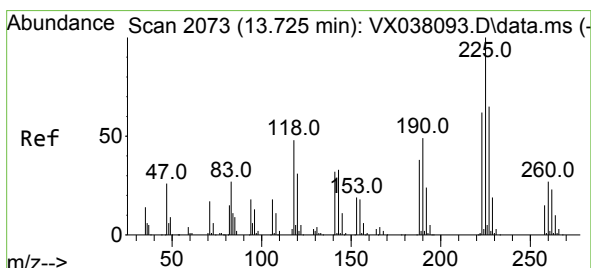
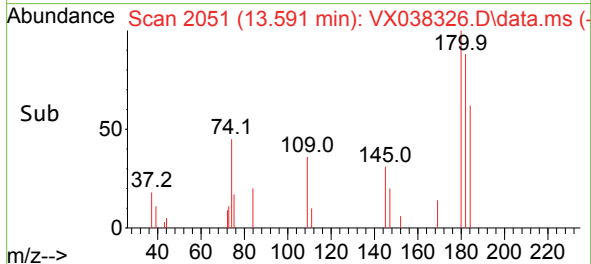
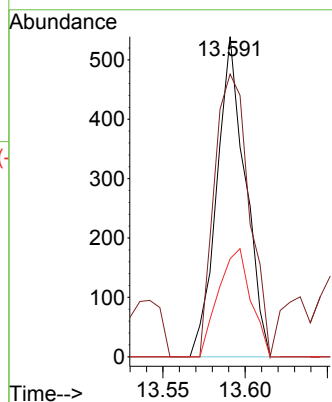
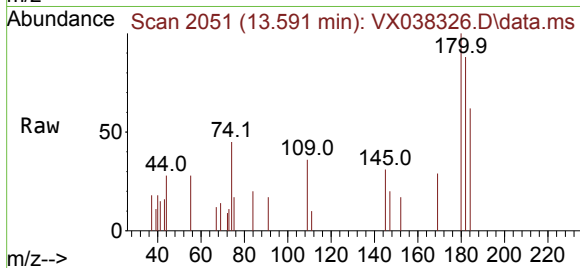
Tgt Ion:180 Resp: 651

Ion Ratio Lower Upper

180 100

182 107.4 48.3 144.8

145 38.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.292 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX038326.D

Acq: 17 Oct 2023 13:58

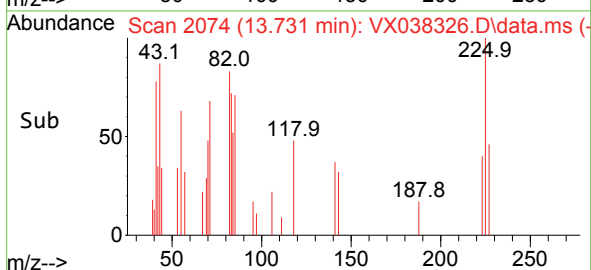
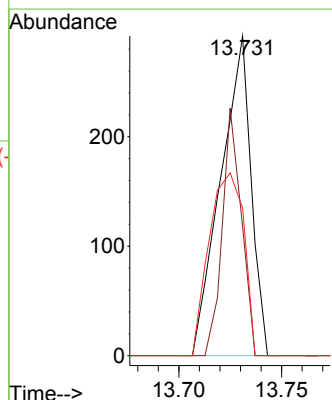
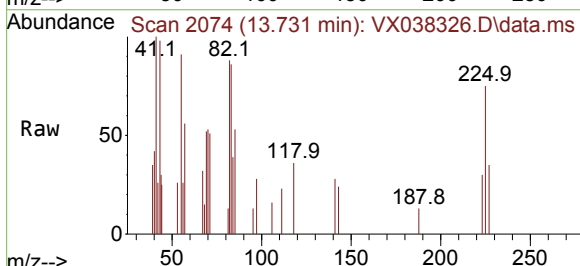
Tgt Ion:225 Resp: 300

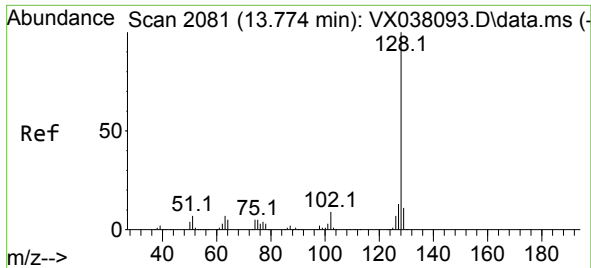
Ion Ratio Lower Upper

225 100

223 48.3 31.1 93.2

227 65.3 32.5 97.5

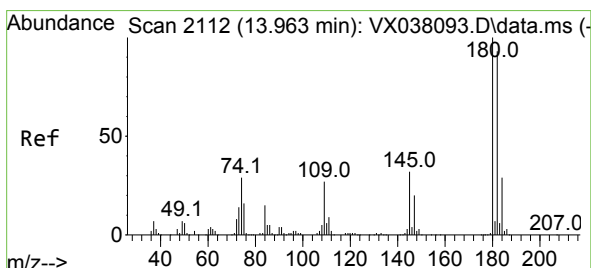
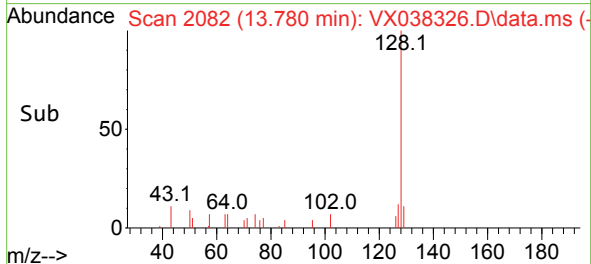
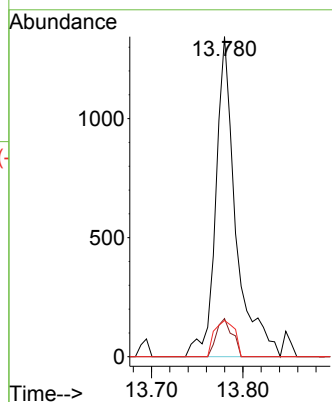
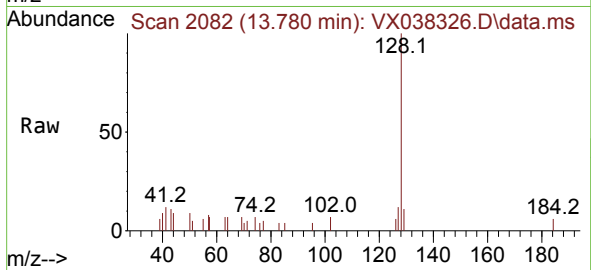




#95
Naphthalene
Concen: 0.231 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 2049
Ion Ratio Lower Upper
128 100
127 9.5 10.3 15.5#
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.239 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX038326.D
Acq: 17 Oct 2023 13:58

Tgt Ion:180 Resp: 590
Ion Ratio Lower Upper
180 100
182 108.0 46.9 140.6
145 36.1 17.8 53.5

