

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038852.D
 Acq On : 16 Nov 2023 20:55
 Operator : JC/MD
 Sample : 05363-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 23:08:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

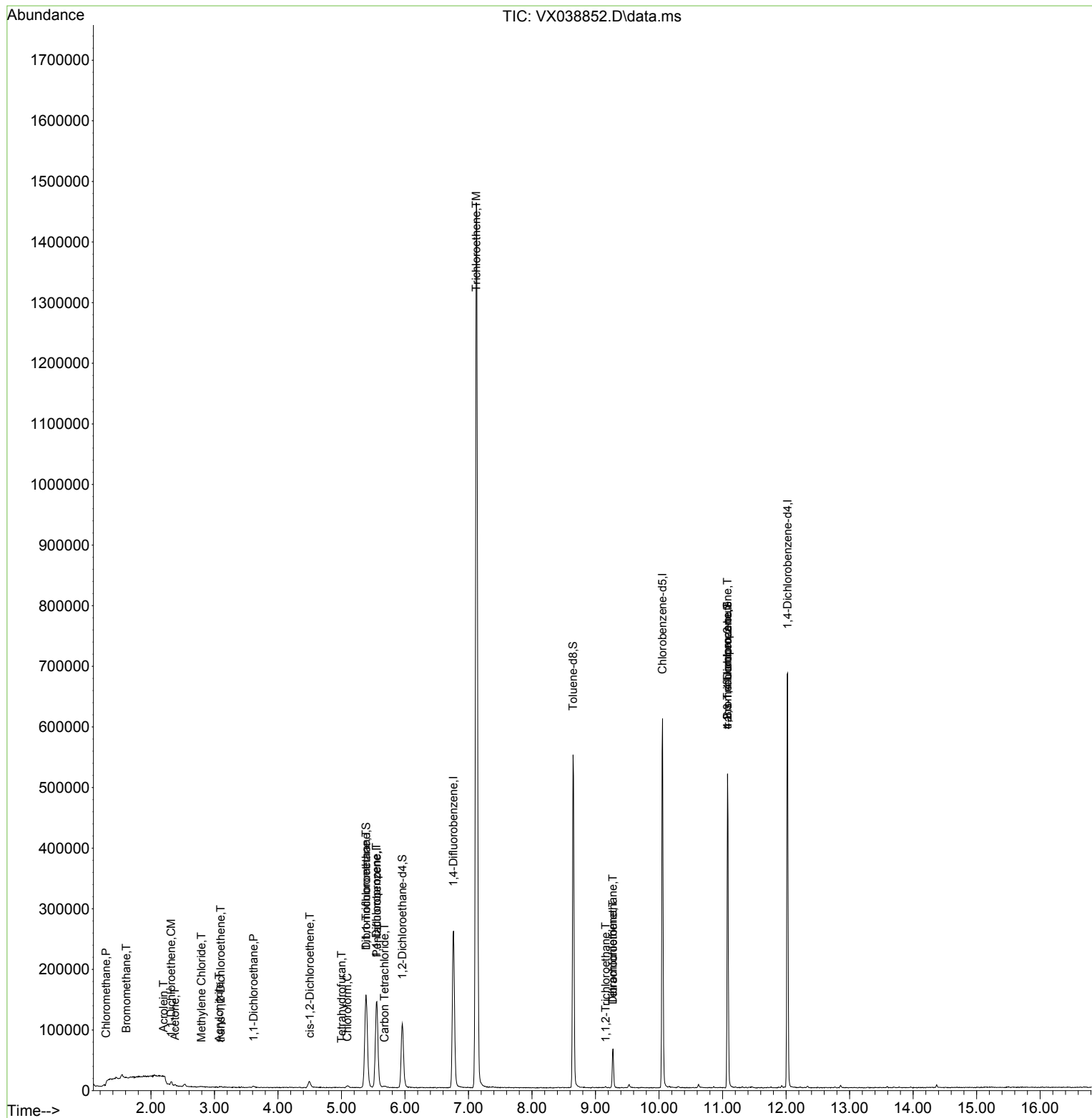
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	131336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	268133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99304	46.924	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.840%
35) Dibromofluoromethane	5.385	113	85512	44.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.320%
50) Toluene-d8	8.647	98	340561	45.964	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.920%#
62) 4-Bromofluorobenzene	11.079	95	146551	49.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	456	0.228	ug/l #	51
5) Bromomethane	1.611	94	360	0.452	ug/l	90
12) 1,1-Dichloroethene	2.319	96	2357	1.440	ug/l #	58
13) Acrolein	2.197	56	127	0.408	ug/l #	1
15) Acrylonitrile	3.075	53	280	0.225	ug/l #	69
16) Acetone	2.380	43	2613	2.319	ug/l	96
20) Methylene Chloride	2.794	84	610	0.300	ug/l #	57
21) trans-1,2-Dichloroethene	3.099	96	759	0.420	ug/l #	76
24) 1,1-Dichloroethane	3.617	63	2108	0.627	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	7069	3.358	ug/l	79
29) Tetrahydrofuran	5.001	42	294	0.253	ug/l #	54
30) Chloroform	5.093	83	3846	1.171	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	57921	20.368	ug/l	99
36) 1,1-Dichloropropene	5.550	75	11604	4.181	ug/l #	53
38) Carbon Tetrachloride	5.678	117	1524	0.594	ug/l #	66
44) Trichloroethene	7.123	130	554843	277.678	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	769	0.362	ug/l #	73
60) Dibromochloromethane	9.275	129	11558	5.348	ug/l #	11
64) Tetrachloroethene	9.275	164	11043	6.499	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	74654	21.140	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	74654	46.891	ug/l #	5

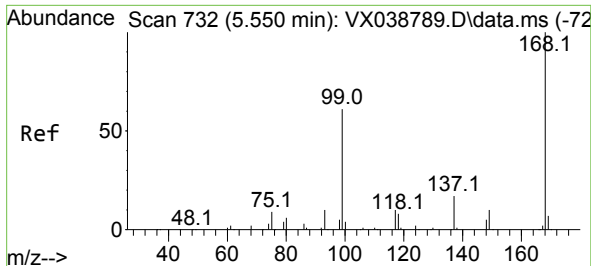
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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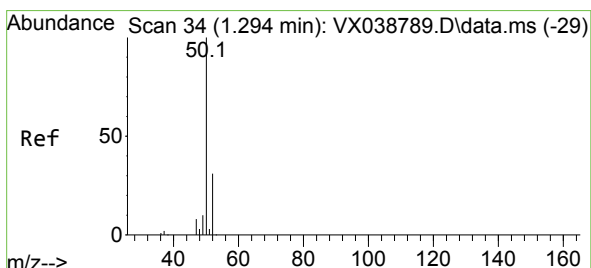
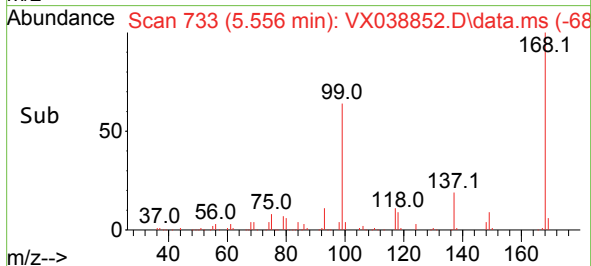
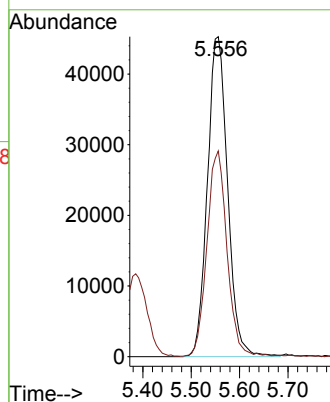
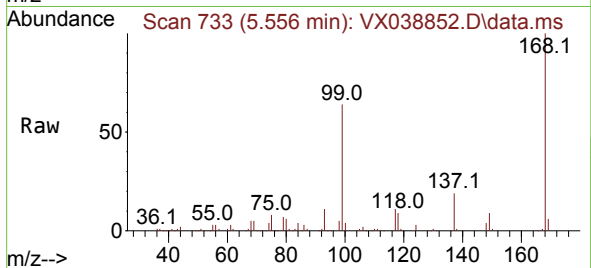




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

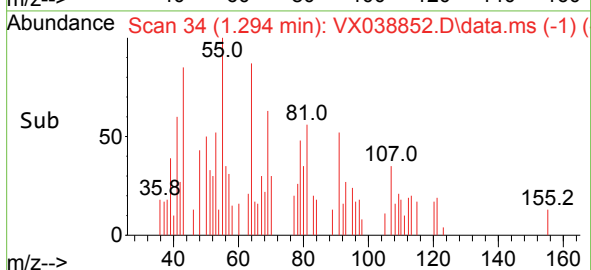
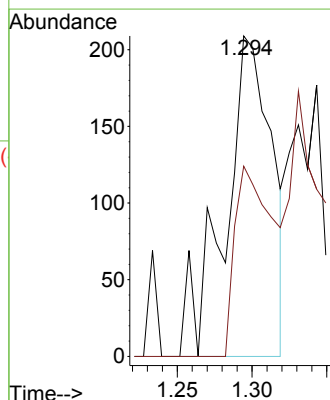
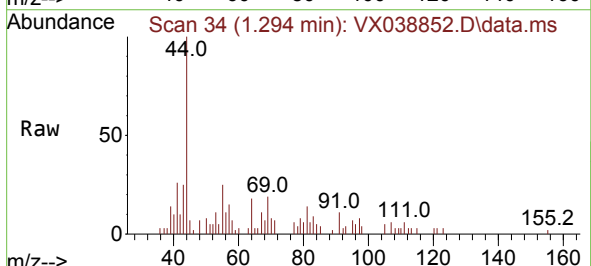
Instrument :
MSVOA_X
ClientSampleId :

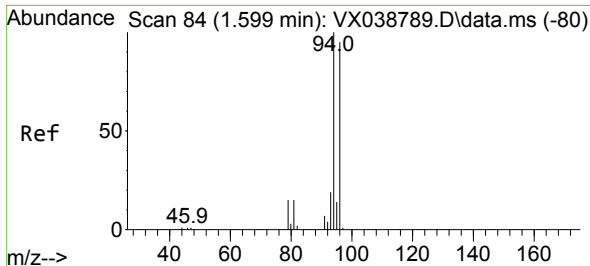
Tgt Ion:168 Resp: 131336
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#3
Chloromethane
Concen: 0.228 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion: 50 Resp: 456
Ion Ratio Lower Upper
50 100
52 59.3 25.5 38.3#

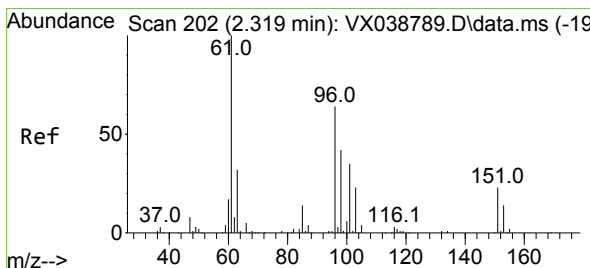
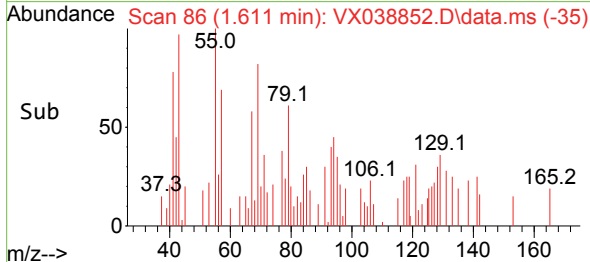
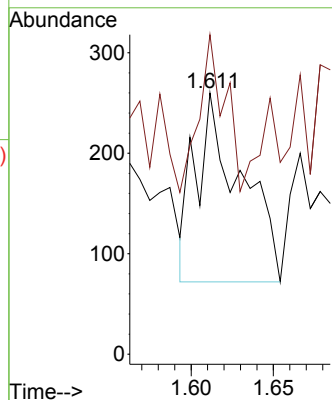
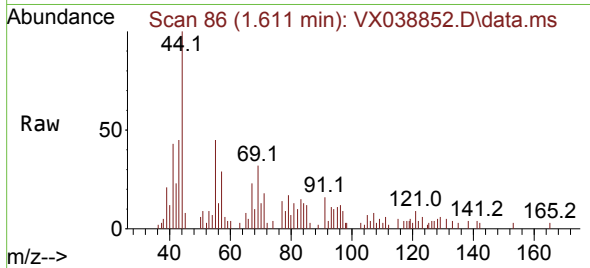




#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

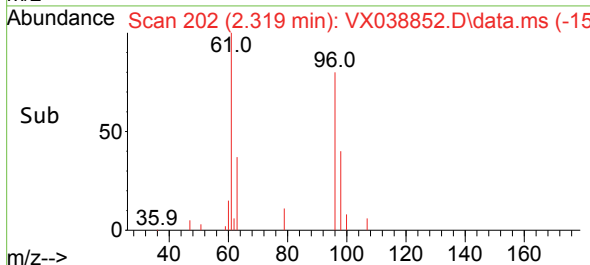
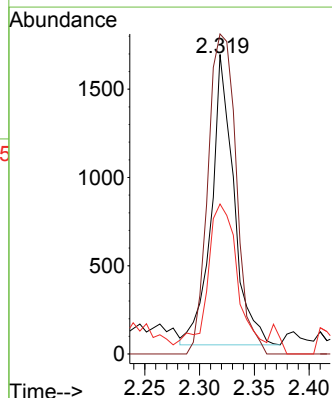
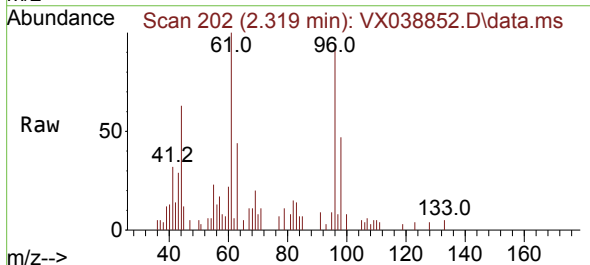
Instrument :
MSVOA_X
ClientSampleId :

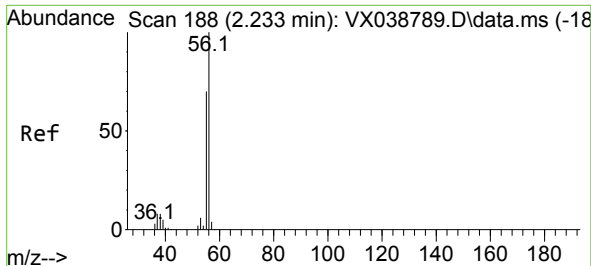
Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 83.5 74.6 111.8



#12
1,1-Dichloroethene
Concen: 1.440 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion: 96 Resp: 2357
Ion Ratio Lower Upper
96 100
61 110.2 144.6 216.8#
98 46.9 50.4 75.6#





#13

Acrolein

Concen: 0.408 ug/l

RT: 2.197 min Scan# 11

Delta R.T. -0.037 min

Lab File: VX038852.D

Acq: 16 Nov 2023 20:55

Instrument :

MSVOA_X

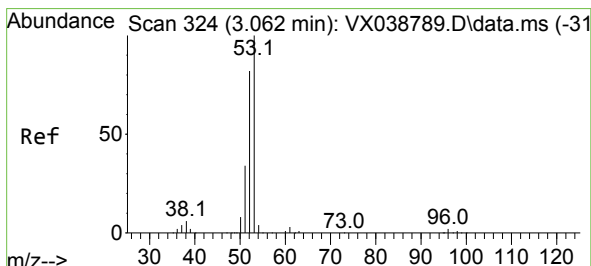
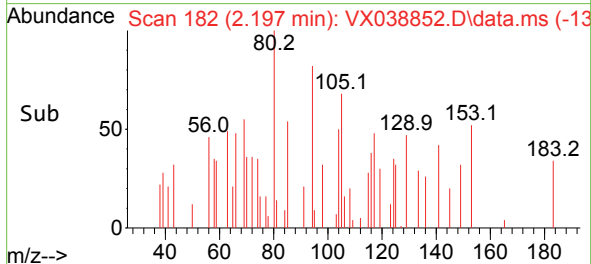
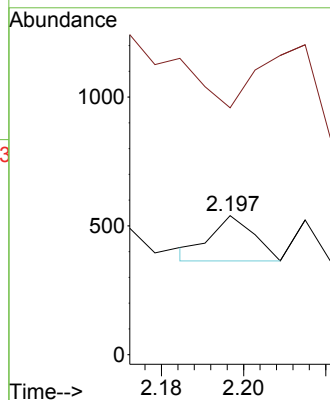
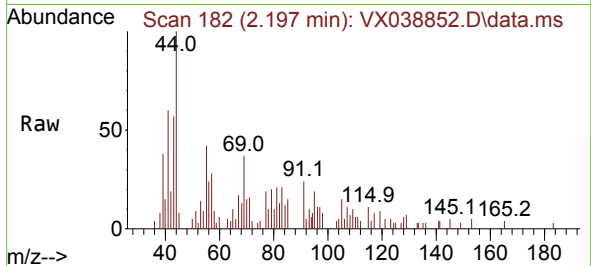
ClientSampleId :

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 887.4 57.1 85.7#



#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX038852.D

Acq: 16 Nov 2023 20:55

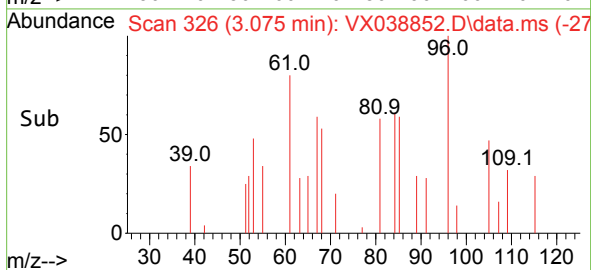
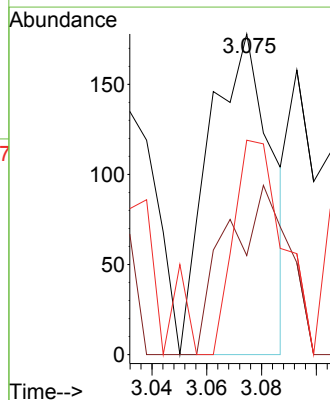
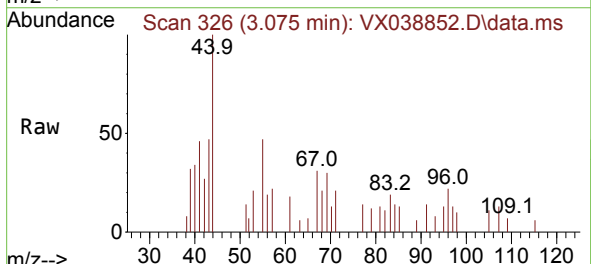
Tgt Ion: 53 Resp: 280

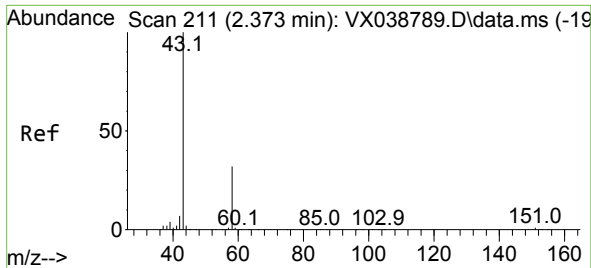
Ion Ratio Lower Upper

53 100

52 52.9 66.0 99.0#

51 53.2 29.8 44.6#

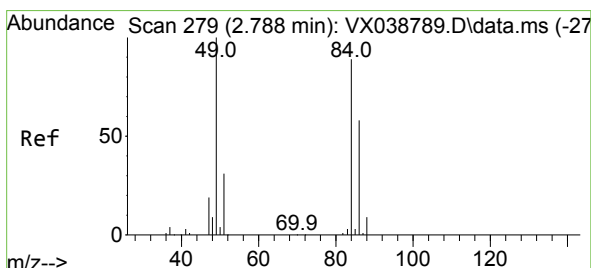
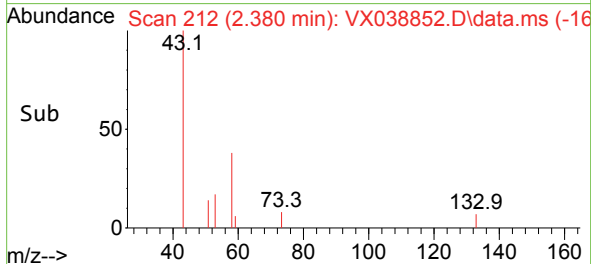
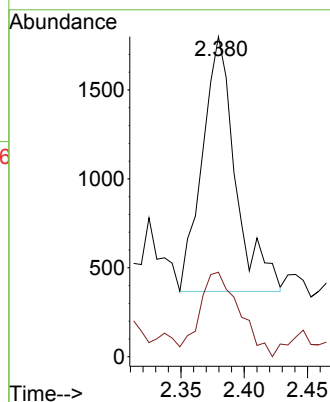
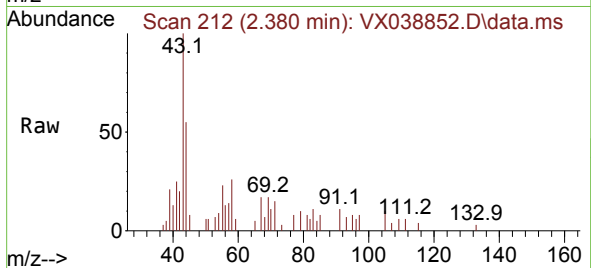




#16
Acetone
Concen: 2.319 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

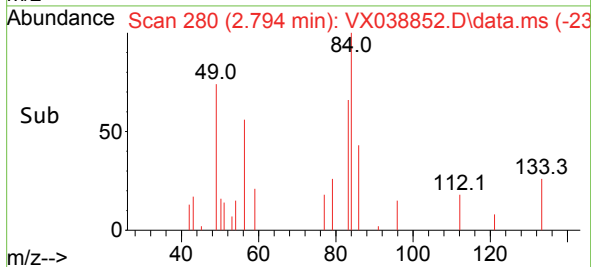
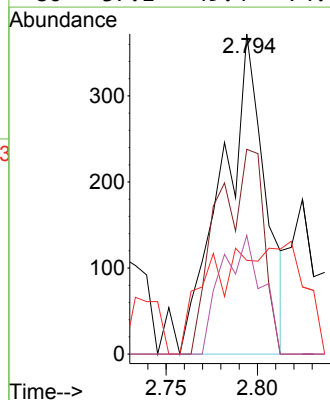
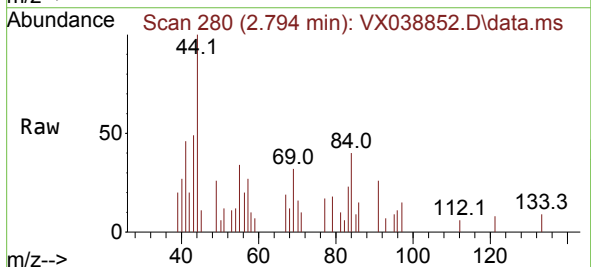
Instrument :
MSVOA_X
ClientSampleId :

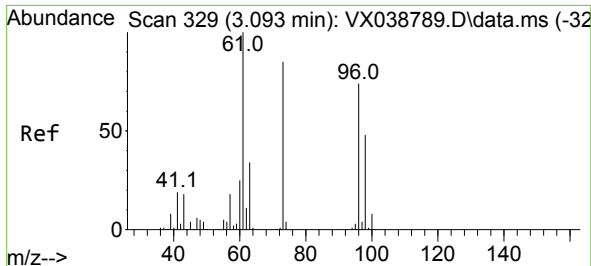
Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
58 29.2 21.9 32.9



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 64.0 103.6 155.4#
51 29.3 33.8 50.6#
86 37.1 49.4 74.0#

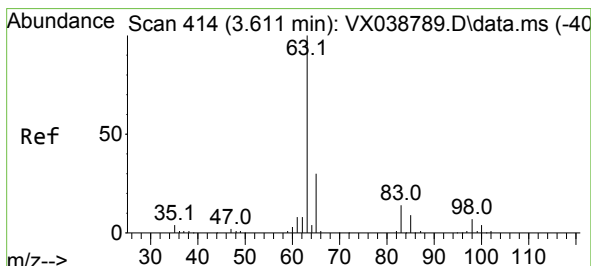
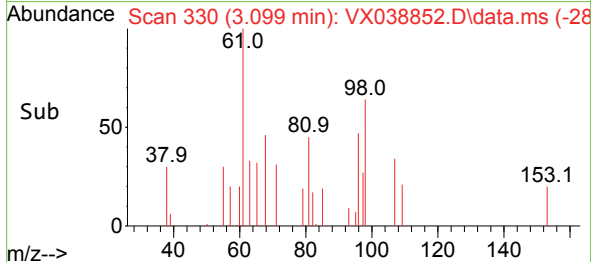
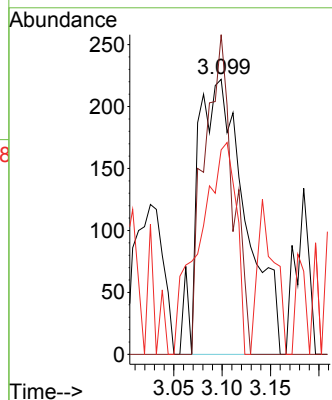
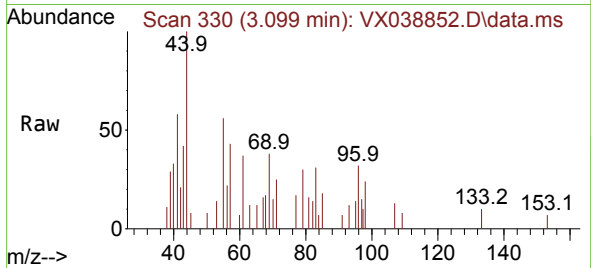




#21
trans-1,2-Dichloroethene
Concen: 0.420 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

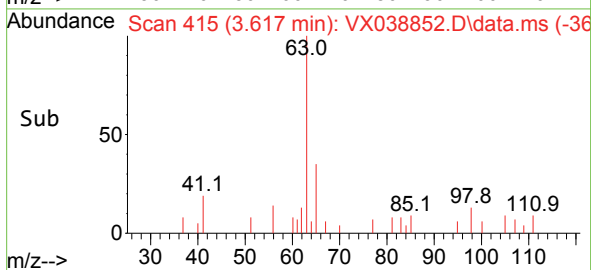
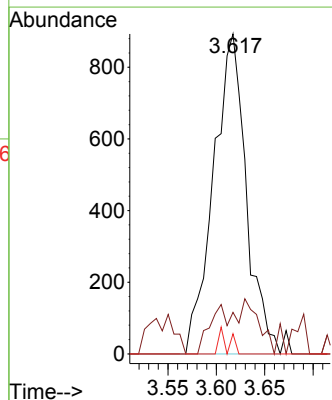
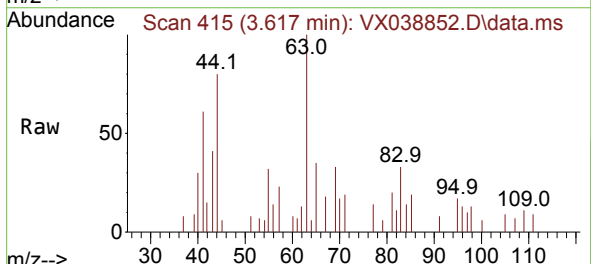
Instrument :
MSVOA_X
ClientSampleId :

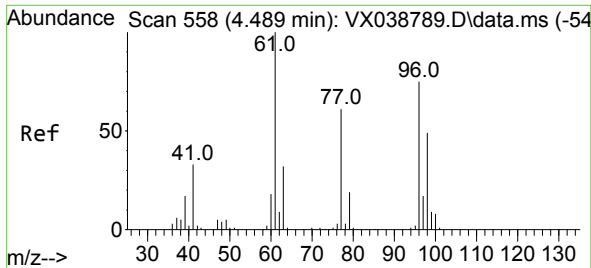
Tgt Ion: 96 Resp: 759
Ion Ratio Lower Upper
96 100
61 116.2 119.2 178.8#
98 45.9 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 0.627 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

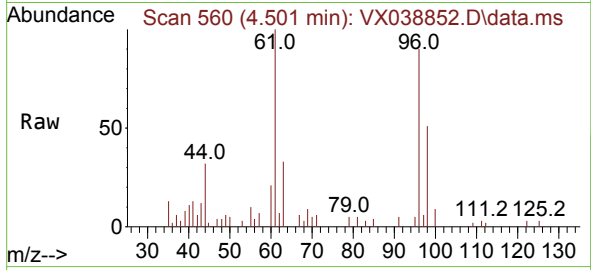
Tgt Ion: 63 Resp: 2108
Ion Ratio Lower Upper
63 100
98 6.8 3.3 9.8
100 6.3 2.1 6.5





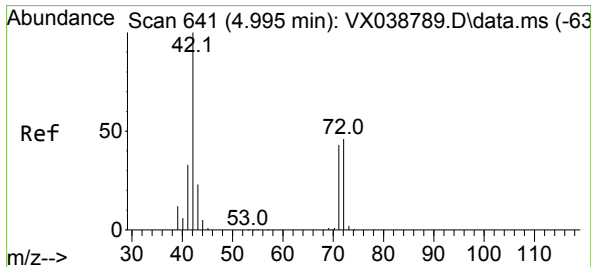
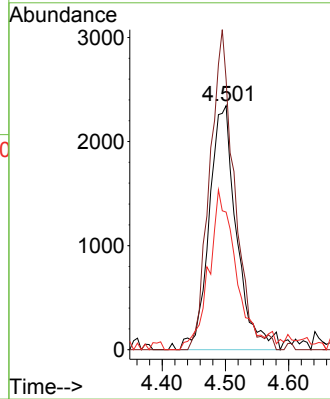
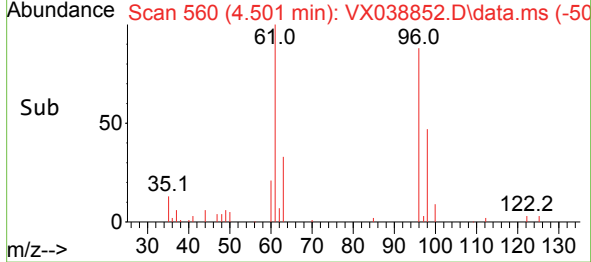
#27
 cis-1,2-Dichloroethene
 Concen: 3.358 ug/l
 RT: 4.501 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX038852.D
 Acq: 16 Nov 2023 20:55

Instrument :
 MSVOA_X
 ClientSampleId :

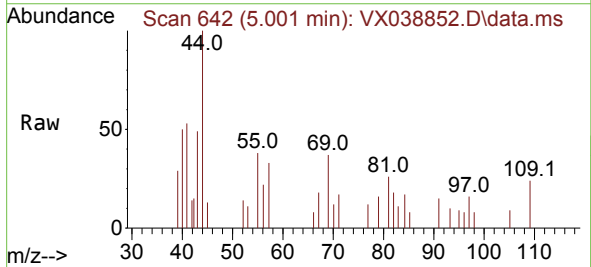


Tgt Ion: 96 Resp: 7069

Ion	Ratio	Lower	Upper
96	100		
61	118.5	0.0	312.2
98	64.2	0.0	129.0

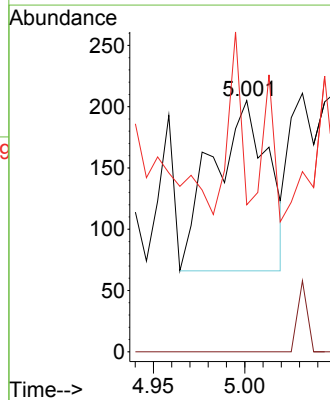
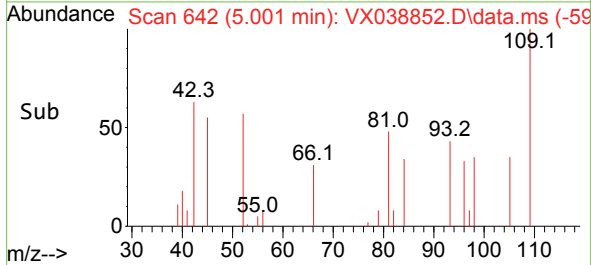


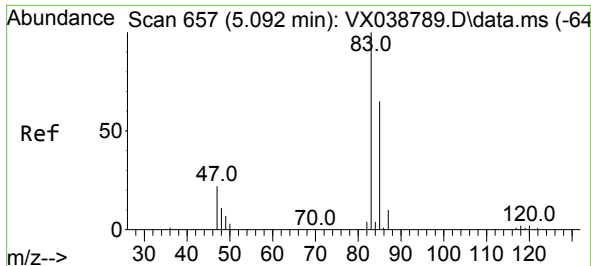
#29
 Tetrahydrofuran
 Concen: 0.253 ug/l
 RT: 5.001 min Scan# 642
 Delta R.T. 0.006 min
 Lab File: VX038852.D
 Acq: 16 Nov 2023 20:55



Tgt Ion: 42 Resp: 294

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	26.2	32.2	48.2#





#30

Chloroform

Concen: 1.171 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX038852.D

Acq: 16 Nov 2023 20:55

Instrument :

MSVOA_X

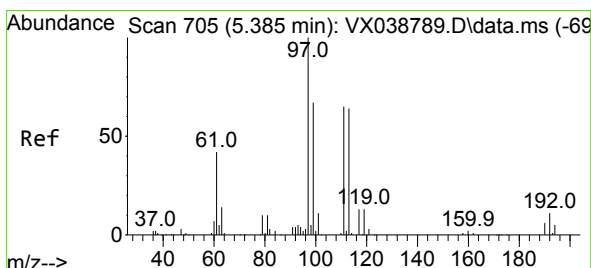
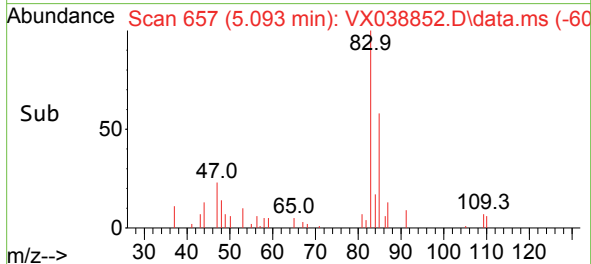
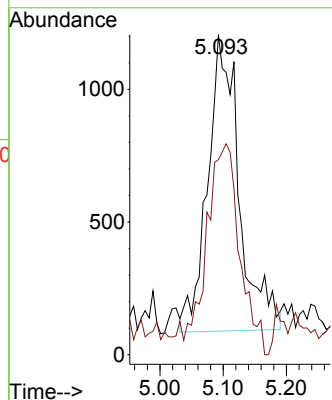
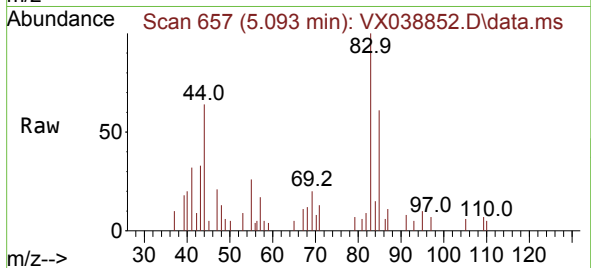
ClientSampleId :

Tgt Ion: 83 Resp: 3846

Ion Ratio Lower Upper

83 100

85 56.9 50.3 75.5



#32

1,1,1-Trichloroethane

Concen: 20.368 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038852.D

Acq: 16 Nov 2023 20:55

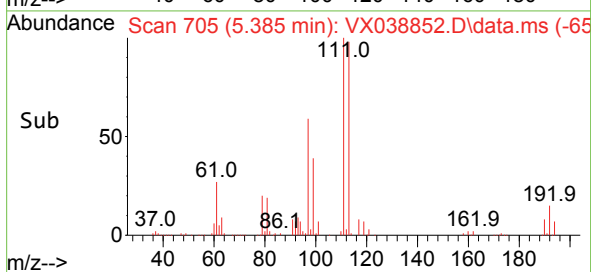
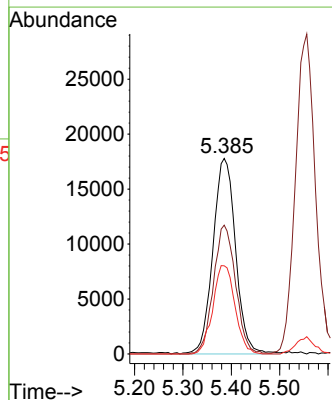
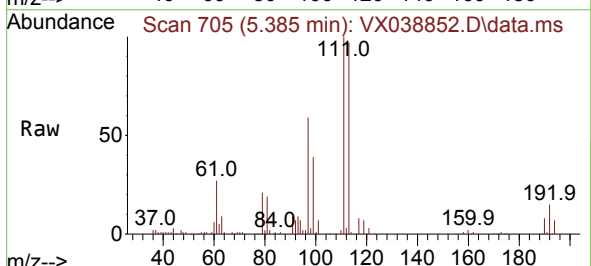
Tgt Ion: 97 Resp: 57921

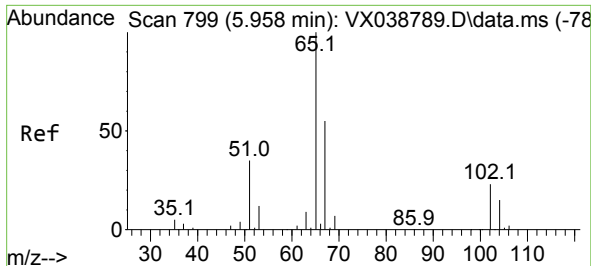
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 44.1 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 46.924 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038852.D

Acq: 16 Nov 2023 20:55

Instrument :

MSVOA_X

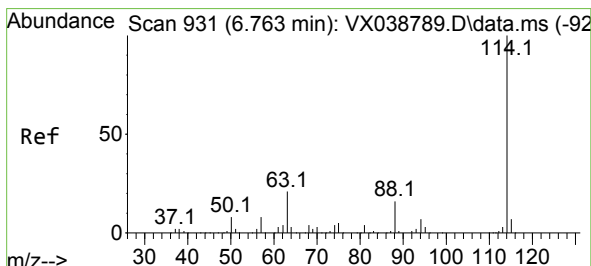
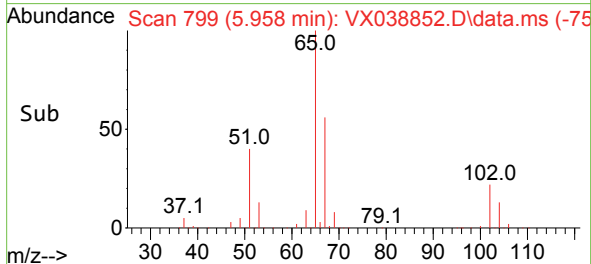
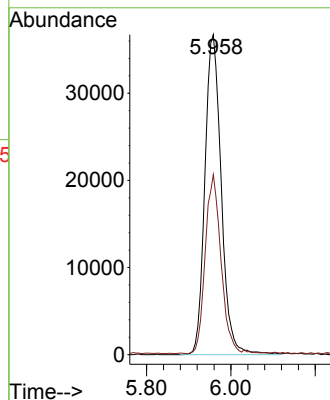
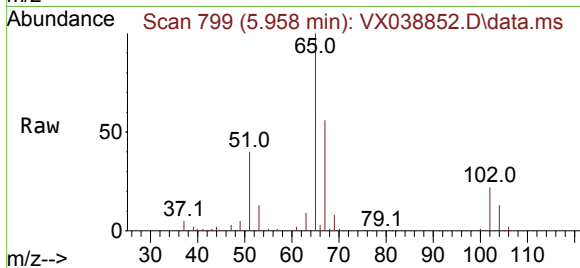
ClientSampleId :

Tgt Ion: 65 Resp: 99304

Ion Ratio Lower Upper

65 100

67 53.6 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: VX038852.D

Acq: 16 Nov 2023 20:55

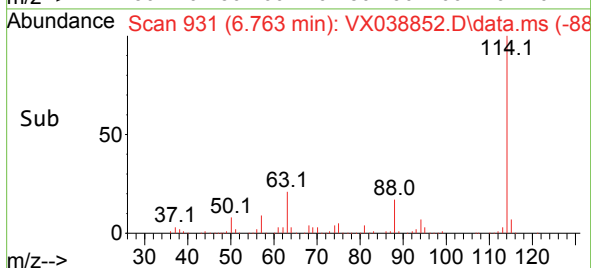
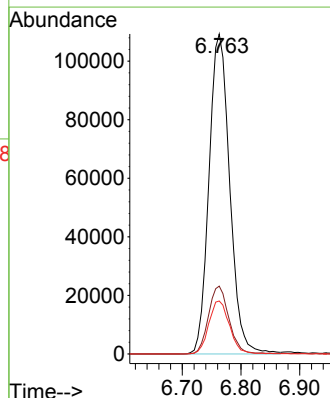
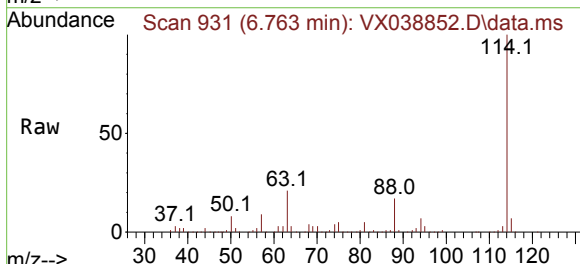
Tgt Ion: 114 Resp: 268133

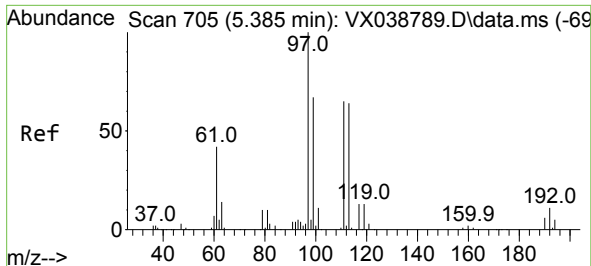
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

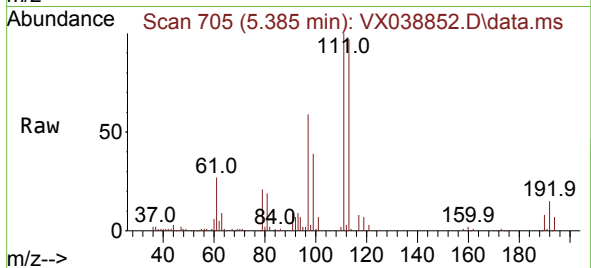
88 16.6 0.0 36.6



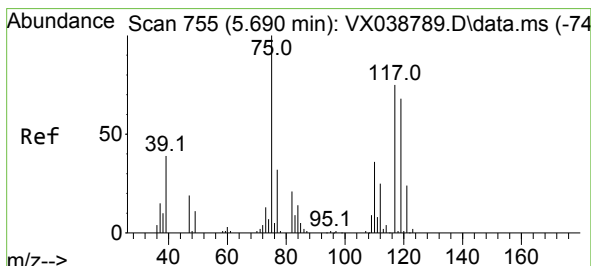
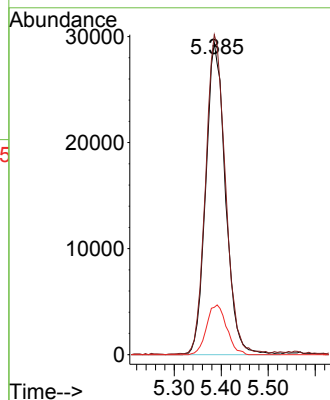
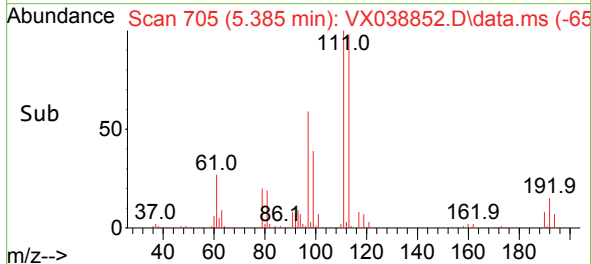


#35
Dibromofluoromethane
Concen: 44.158 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Instrument :
MSVOA_X
ClientSampleId :

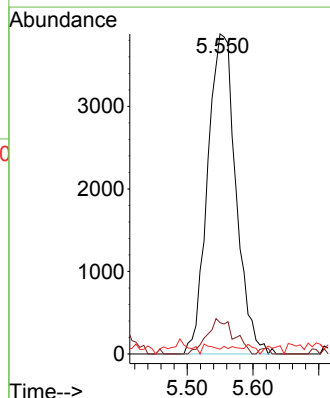
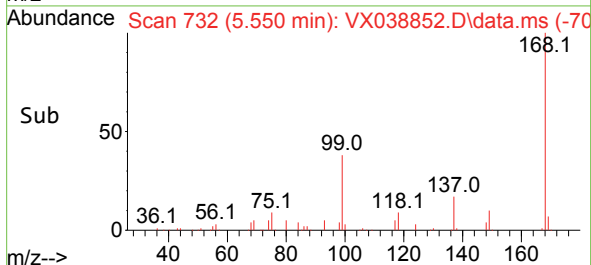
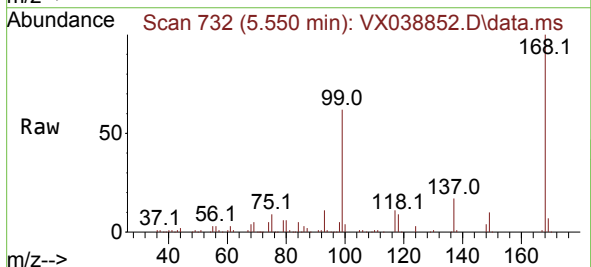


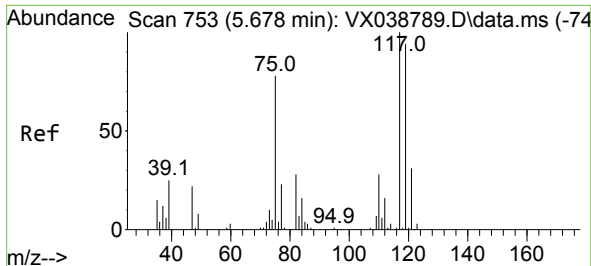
Tgt Ion:113 Resp: 85512
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.181 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

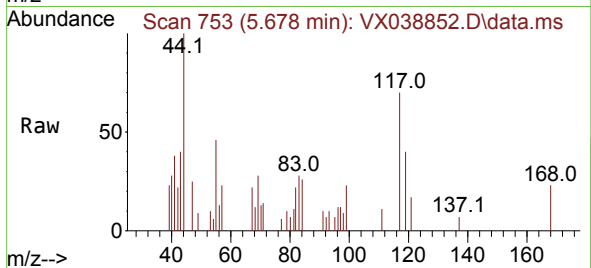
Tgt Ion: 75 Resp: 11604
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 1.5 24.7 37.1#



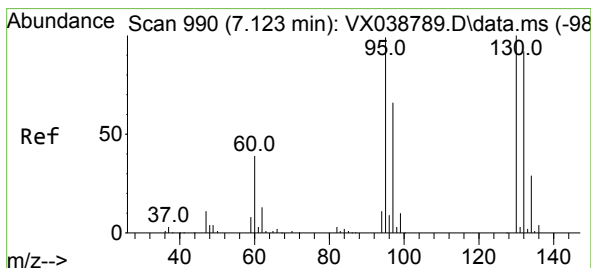
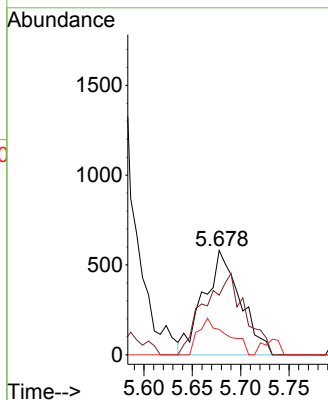
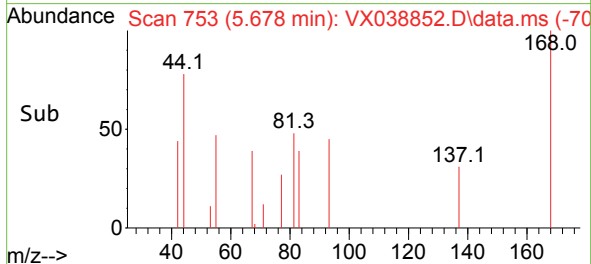


#38
Carbon Tetrachloride
Concen: 0.594 ug/l
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Instrument :
MSVOA_X
ClientSampleId :

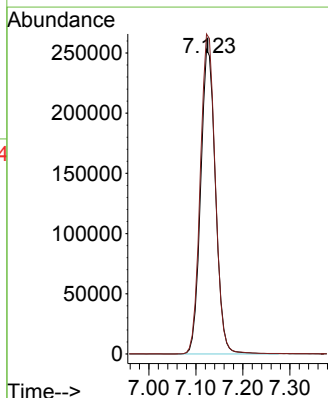
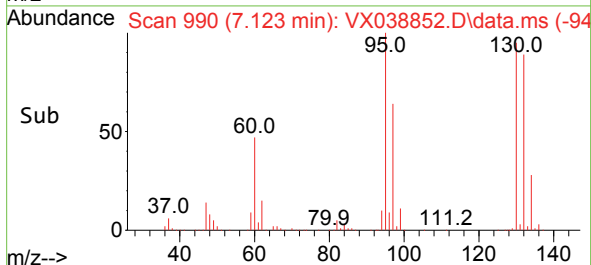
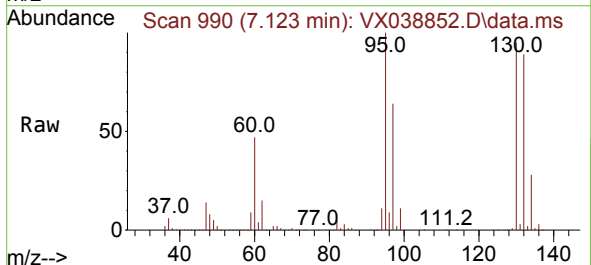


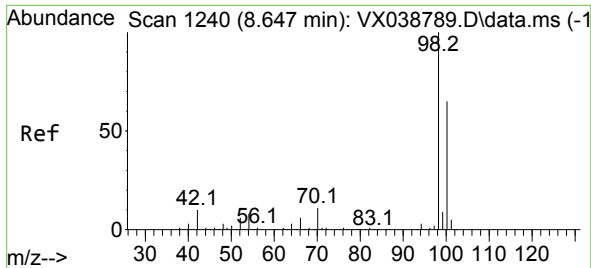
Tgt Ion:117 Resp: 1524
Ion Ratio Lower Upper
117 100
119 57.2 78.2 117.2#
121 24.3 24.4 36.6#



#44
Trichloroethene
Concen: 277.678 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion:130 Resp: 554843
Ion Ratio Lower Upper
130 100
95 105.1 0.0 204.4

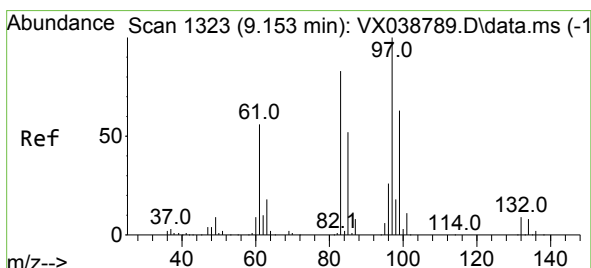
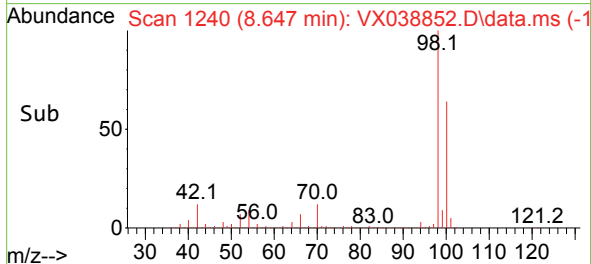
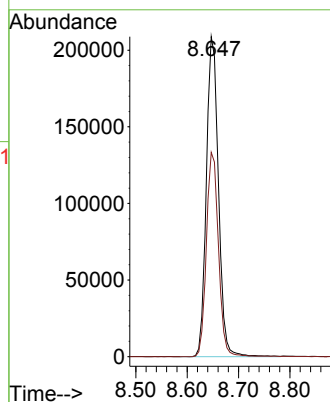
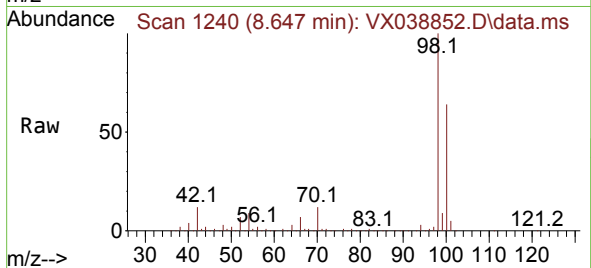




#50
Toluene-d8
Concen: 45.964 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

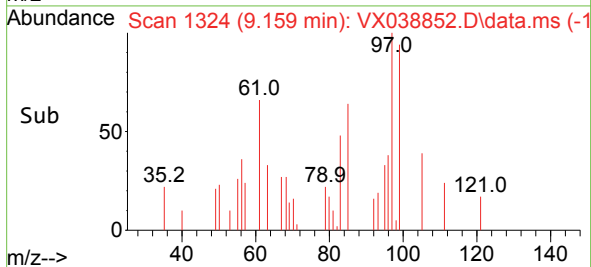
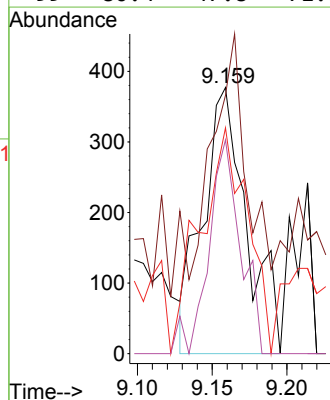
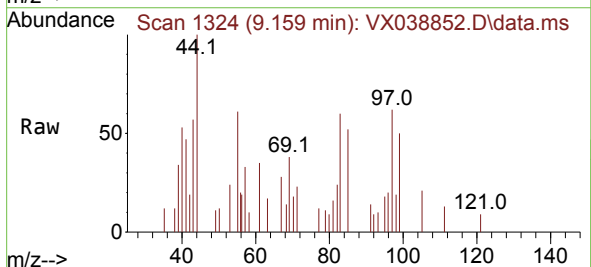
Instrument :
MSVOA_X
ClientSampleId :

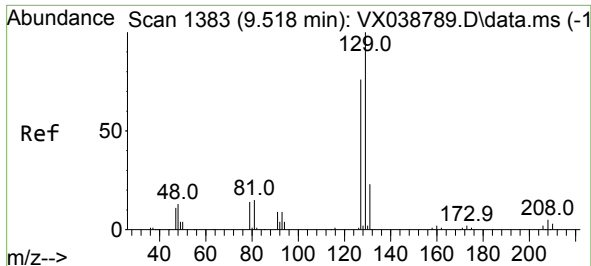
Tgt Ion: 98 Resp: 340561
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.362 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion: 97 Resp: 769
Ion Ratio Lower Upper
97 100
83 54.6 65.8 98.8#
85 65.8 41.6 62.4#
99 80.4 47.8 71.8#

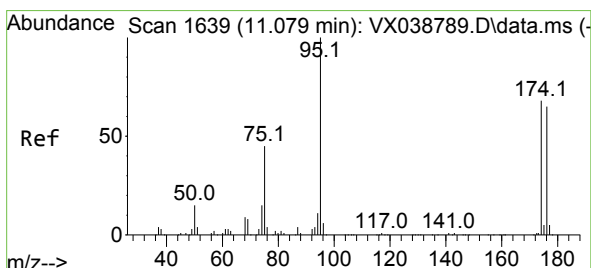
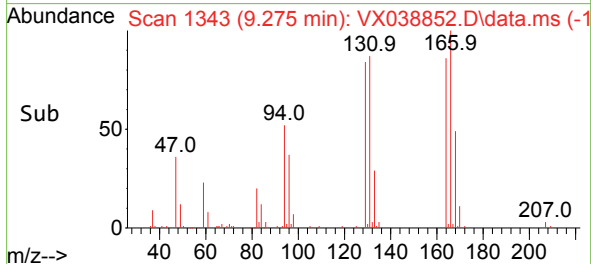
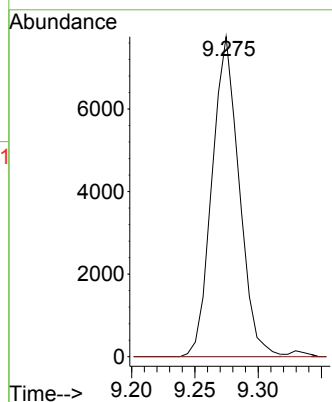
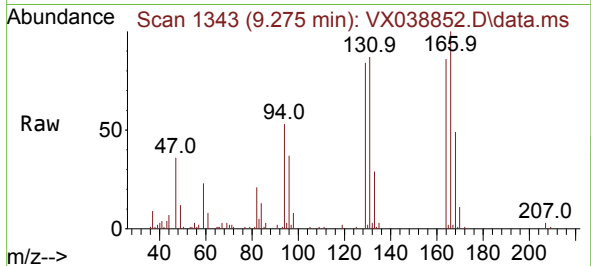




#60
Dibromochloromethane
Concen: 5.348 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

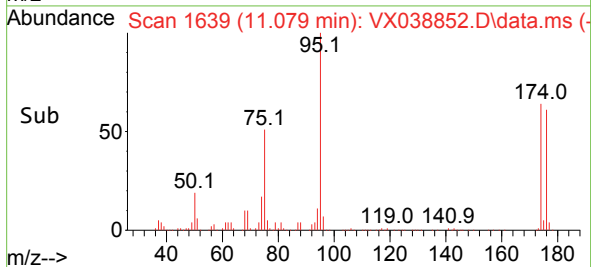
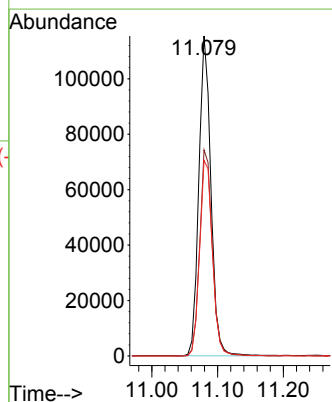
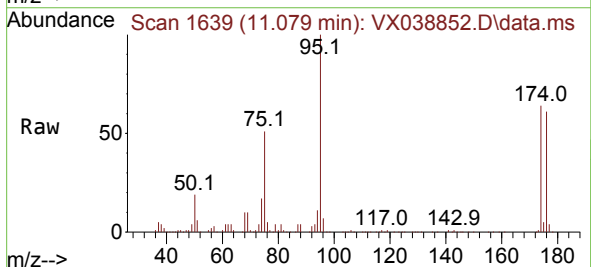
Instrument :
MSVOA_X
ClientSampleId :

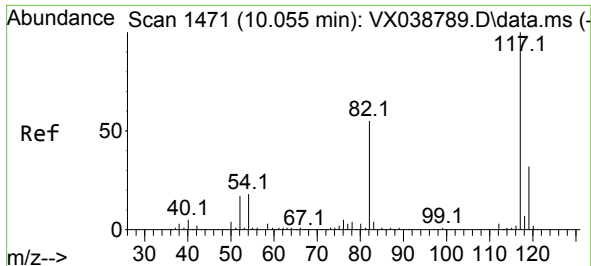
Tgt Ion:129 Resp: 11558
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion: 95 Resp: 146551
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.6
176 64.8 0.0 131.0

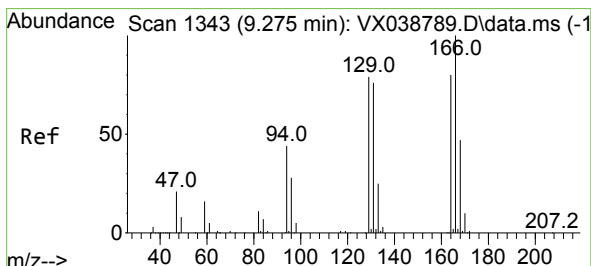
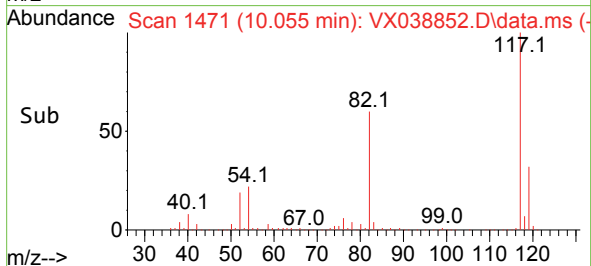
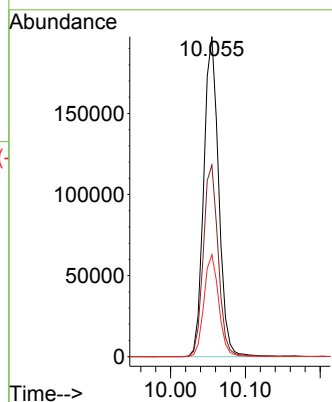
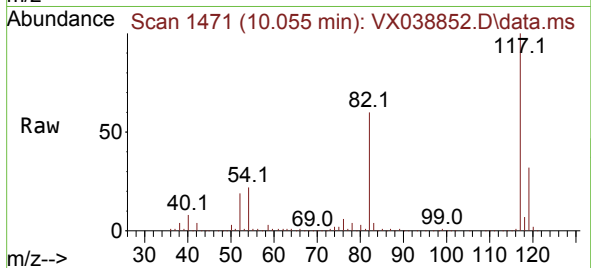




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

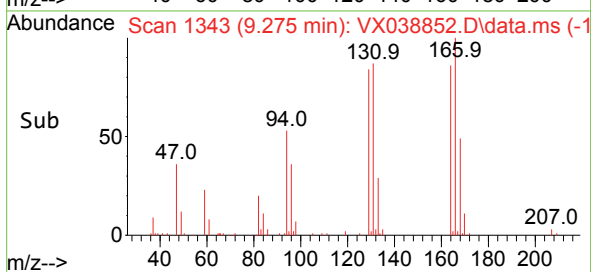
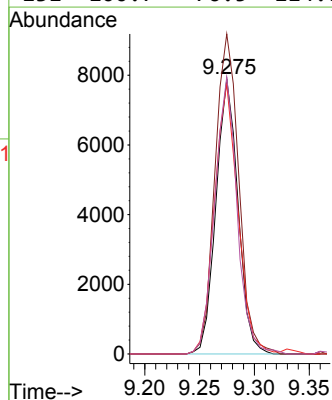
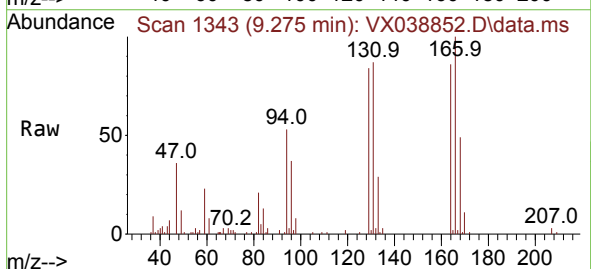
Instrument :
MSVOA_X
ClientSampleId :

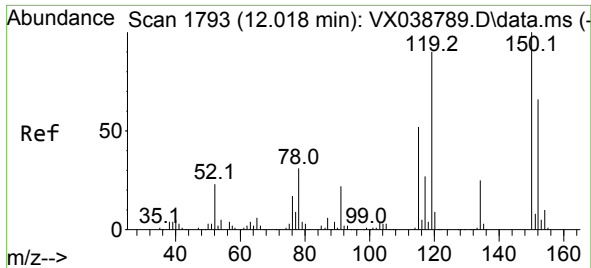
Tgt Ion:117 Resp: 273363
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 6.499 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038852.D
Acq: 16 Nov 2023 20:55

Tgt Ion:164 Resp: 11043
Ion Ratio Lower Upper
164 100
166 116.4 102.7 154.1
129 98.2 80.4 120.6
131 100.7 76.5 114.7

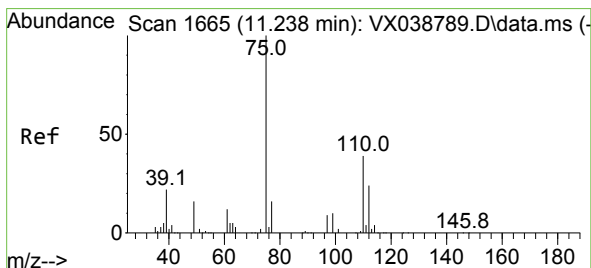
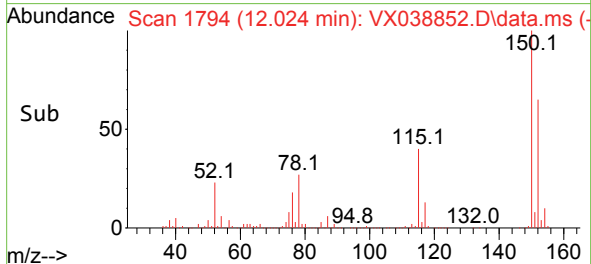
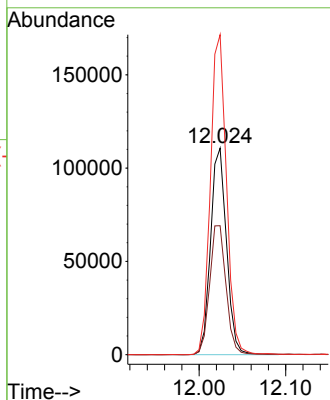
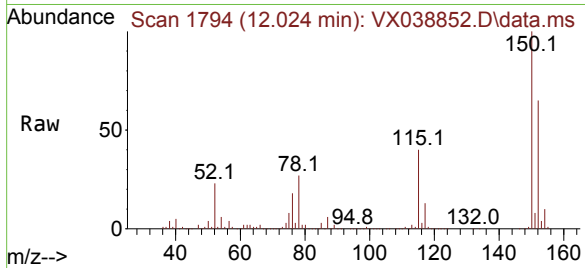




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038852.D
 Acq: 16 Nov 2023 20:55

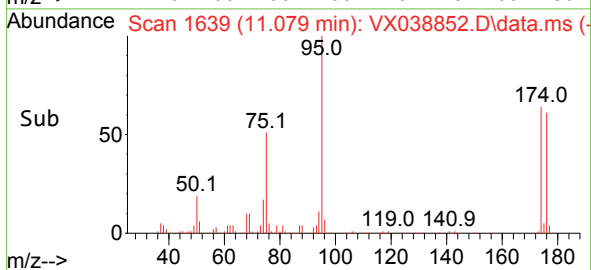
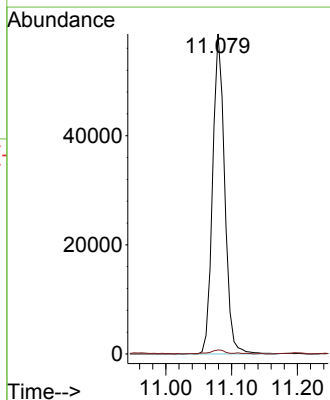
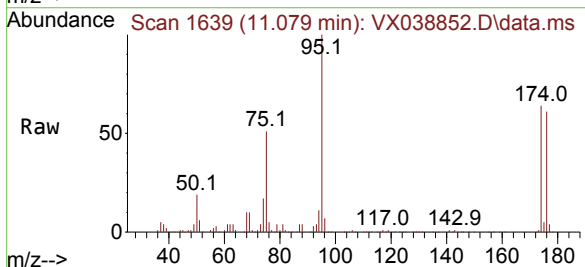
Instrument :
 MSVOA_X
 ClientSampleId :

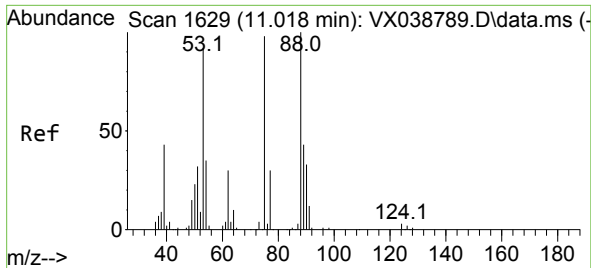
Tgt Ion:152 Resp: 141538
 Ion Ratio Lower Upper
 152 100
 115 64.6 43.3 129.9
 150 156.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.140 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038852.D
 Acq: 16 Nov 2023 20:55

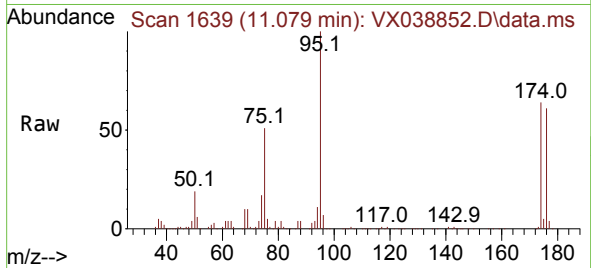
Tgt Ion: 75 Resp: 74654
 Ion Ratio Lower Upper
 75 100
 77 1.7 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.891 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038852.D
 Acq: 16 Nov 2023 20:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 74654
 Ion Ratio Lower Upper
 75 100
 53 0.2 90.5 135.7#
 89 0.0 36.9 55.3#

