

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037574.D
 Acq On : 07 Sep 2023 13:04
 Operator : JC/MD
 Sample : 04287-01DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 00:43:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	168942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	279312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96260	39.522	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.040%
35) Dibromofluoromethane	5.385	113	89436	48.349	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.700%
50) Toluene-d8	8.647	98	314959	46.939	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.880%
62) 4-Bromofluorobenzene	11.079	95	119621	45.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.720%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	466	0.261	ug/l #	83
11) Tert butyl alcohol	2.940	59	233	0.408	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	1773	1.019	ug/l #	64
13) Acrolein	2.227	56	187	0.430	ug/l	97
16) Acetone	2.380	43	582	0.611	ug/l	94
20) Methylene Chloride	2.788	84	734	0.344	ug/l #	64
21) trans-1,2-Dichloroethene	3.087	96	396	0.200	ug/l	88
24) 1,1-Dichloroethane	3.611	63	4281	1.236	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	12931	5.548	ug/l	80
31) Cyclohexane	5.544	56	2886	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12662	4.818	ug/l #	51
38) Carbon Tetrachloride	5.550	117	17304	6.061	ug/l #	15
39) Methylcyclohexane	7.123	83	2336	0.846	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	750	0.254	ug/l #	77
44) Trichloroethene	7.129	130	199542	93.363	ug/l	93
49) 1,4-Dioxane	7.683	88	47	0.840	ug/l #	12
64) Tetrachloroethene	9.275	164	466	0.255	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	57244	24.108	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57244	67.336	ug/l #	5

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

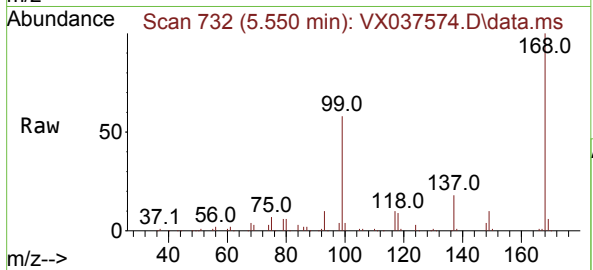
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



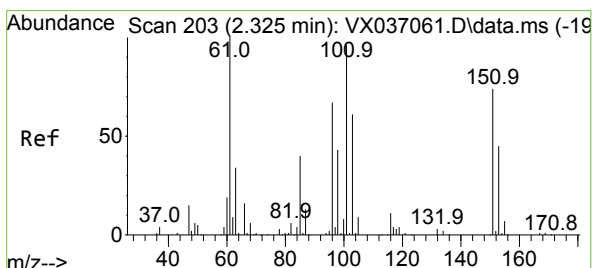
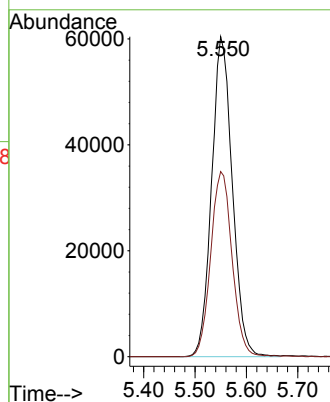
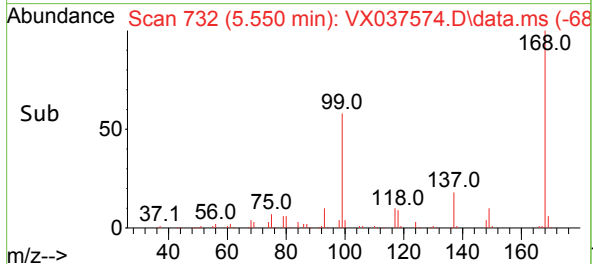


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :

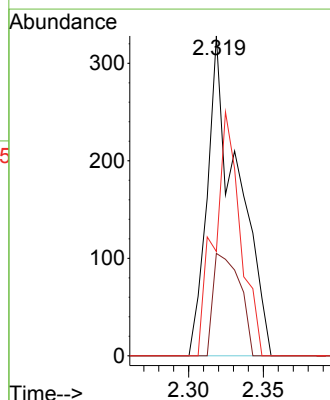
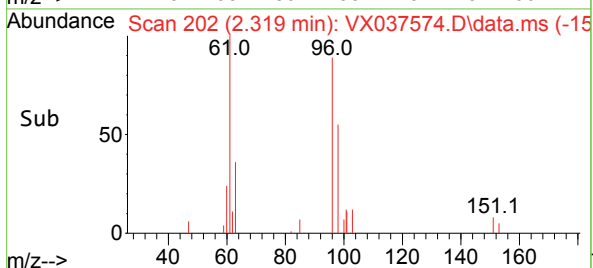
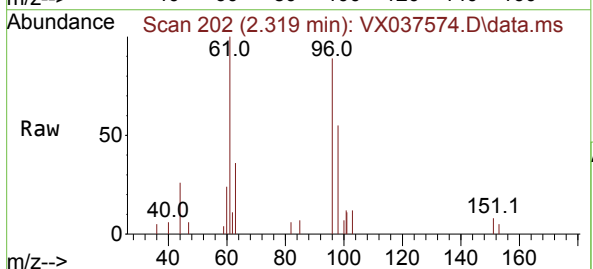


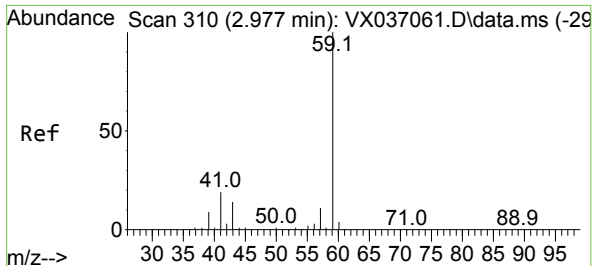
Tgt Ion:168 Resp: 168942
Ion Ratio Lower Upper
168 100
99 57.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.261 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

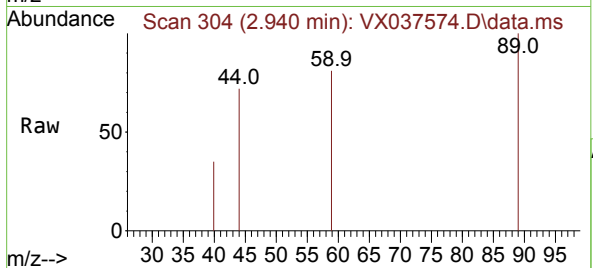
Tgt Ion:101 Resp: 466
Ion Ratio Lower Upper
101 100
85 28.1 37.0 55.6#
151 64.4 58.6 87.8



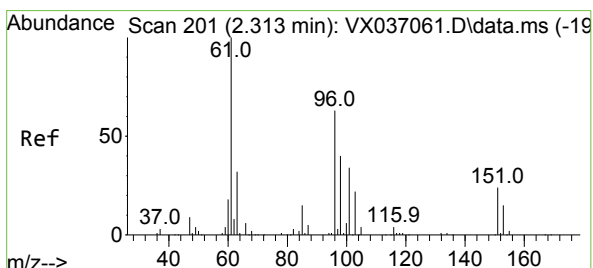
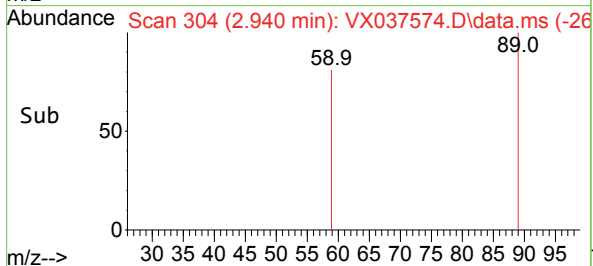
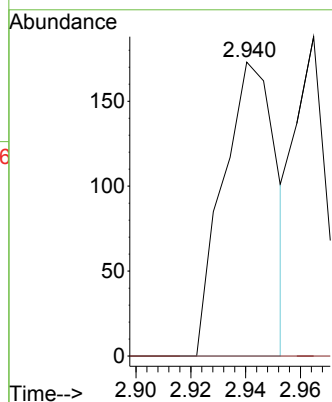


#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :

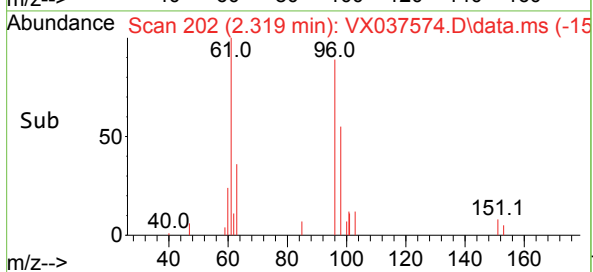
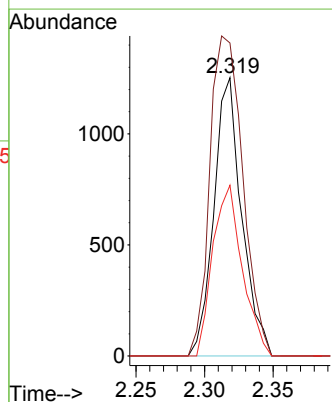
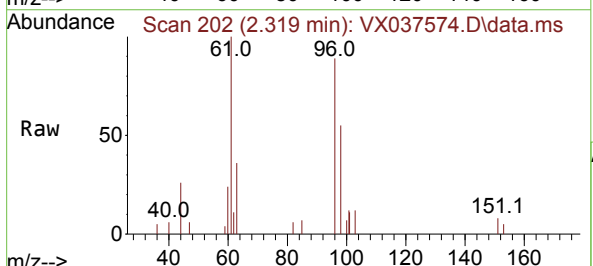


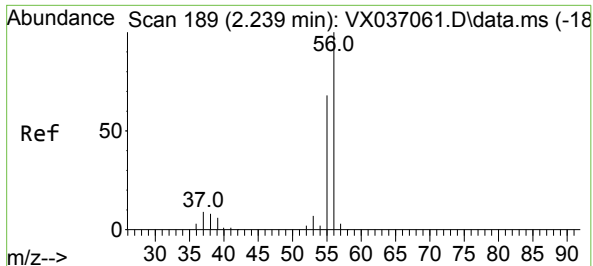
Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.019 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion: 96 Resp: 1773
Ion Ratio Lower Upper
96 100
61 112.5 144.6 216.8#
98 61.4 50.4 75.6

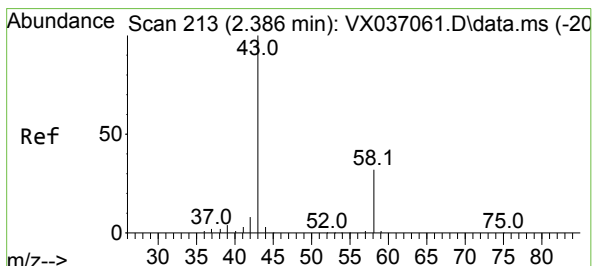
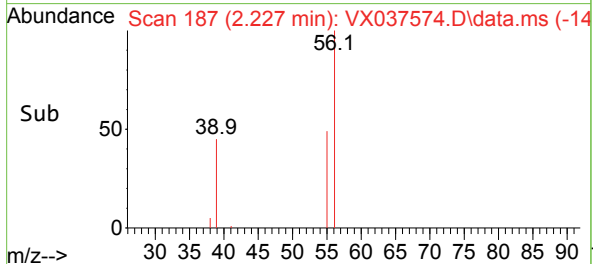
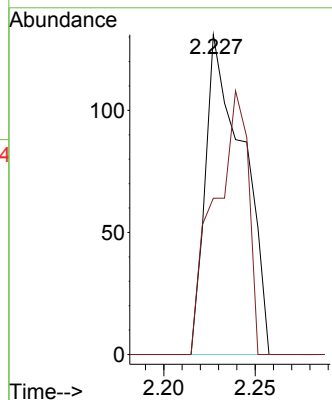
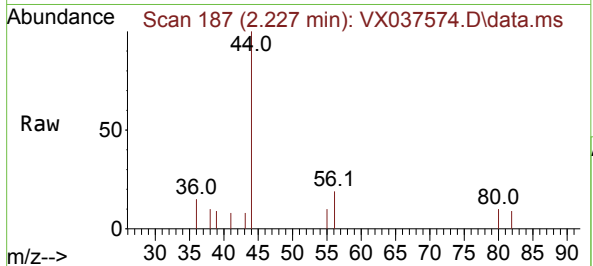




#13
Acrolein
Concen: 0.430 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

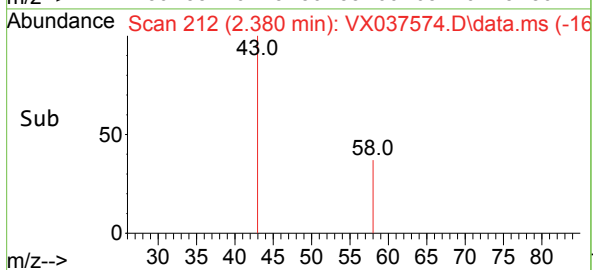
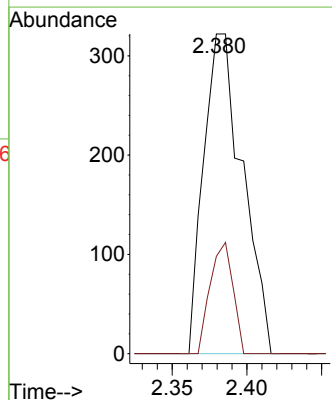
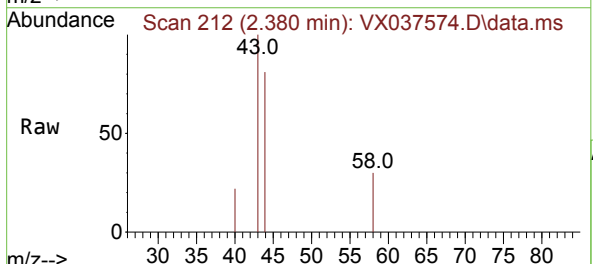
Instrument :
MSVOA_X
ClientSampleId :

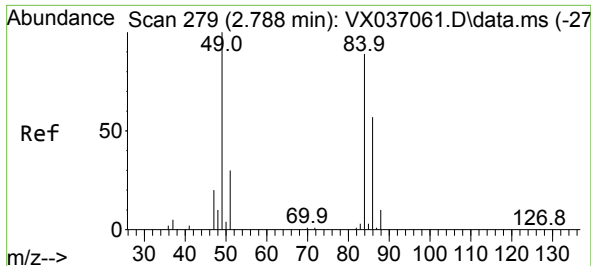
Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 73.8 57.1 85.7



#16
Acetone
Concen: 0.611 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

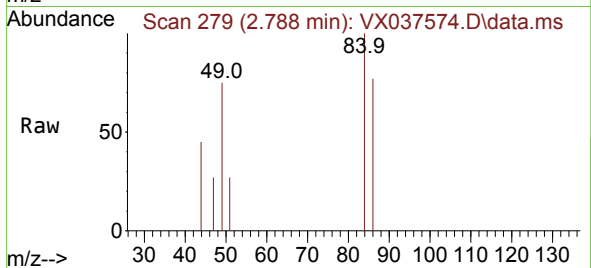
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



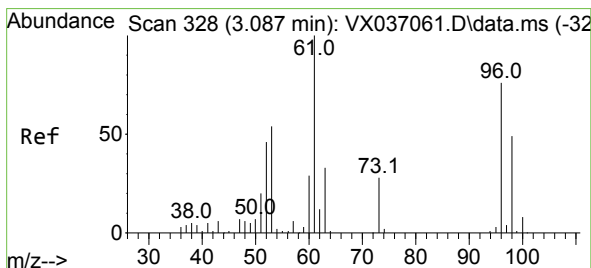
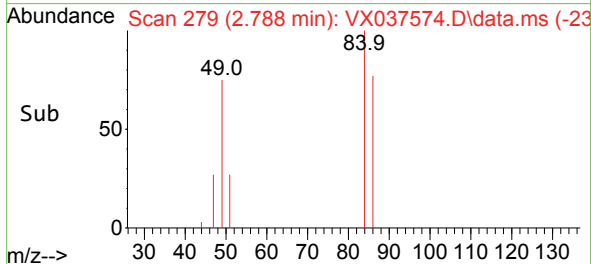
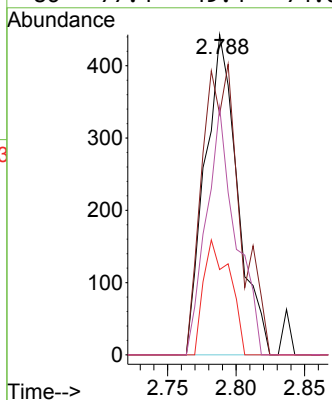


#20
Methylene Chloride
Concen: 0.344 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :

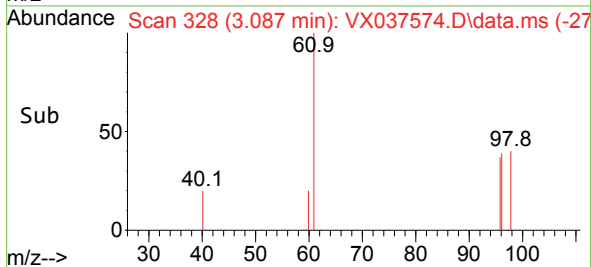
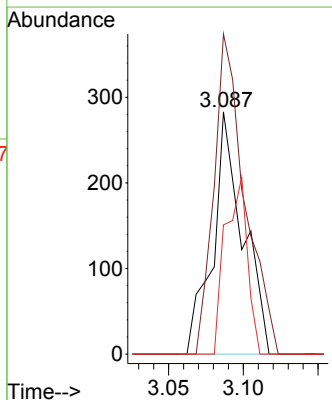
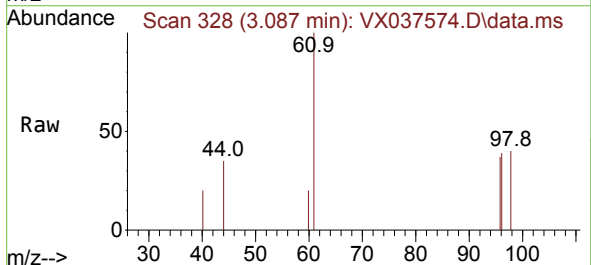


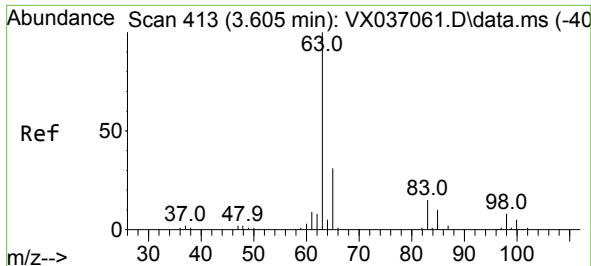
Tgt Ion:	84	Resp:	734
Ion	Ratio	Lower	Upper
84	100		
49	75.2	103.6	155.4#
51	26.6	33.8	50.6#
86	77.4	49.4	74.0#



#21
trans-1,2-Dichloroethene
Concen: 0.200 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

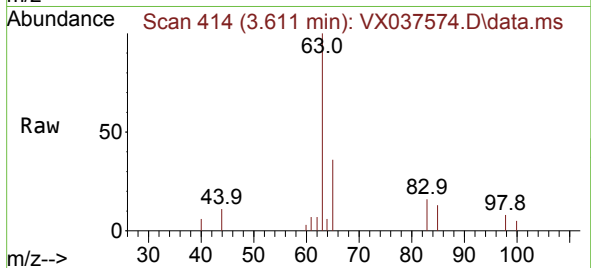
Tgt Ion:	96	Resp:	396
Ion	Ratio	Lower	Upper
96	100		
61	132.2	119.2	178.8
98	53.4	48.7	73.1



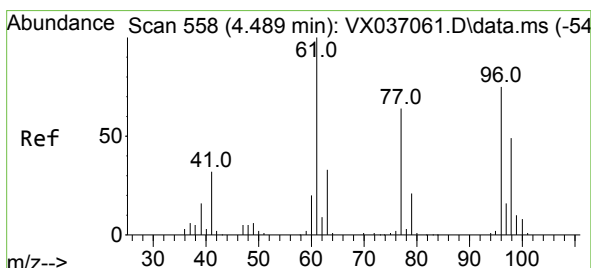
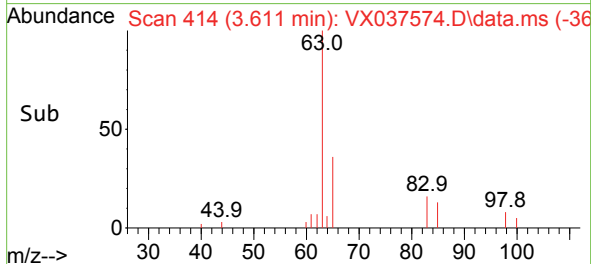
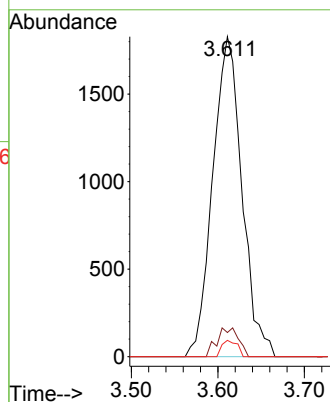


#24
 1,1-Dichloroethane
 Concen: 1.236 ug/l
 RT: 3.611 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX037574.D
 Acq: 07 Sep 2023 13:04

Instrument :
 MSVOA_X
 ClientSampleId :

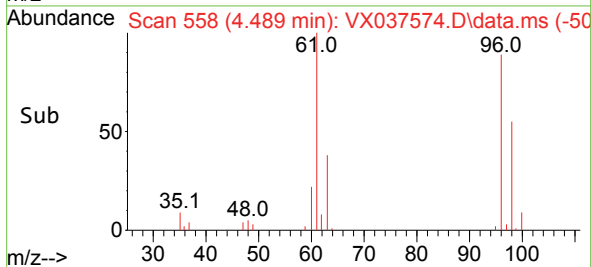
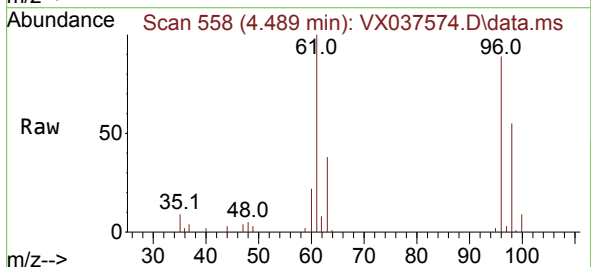
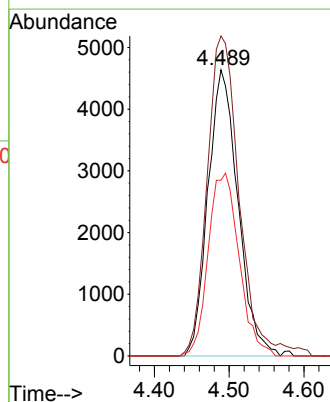


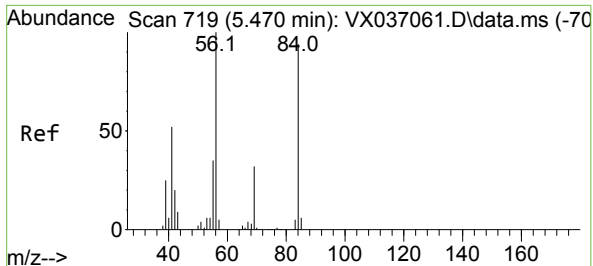
Tgt Ion: 63 Resp: 4281
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.3 9.8
 100 5.1 2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 5.548 ug/l
 RT: 4.489 min Scan# 558
 Delta R.T. -0.000 min
 Lab File: VX037574.D
 Acq: 07 Sep 2023 13:04

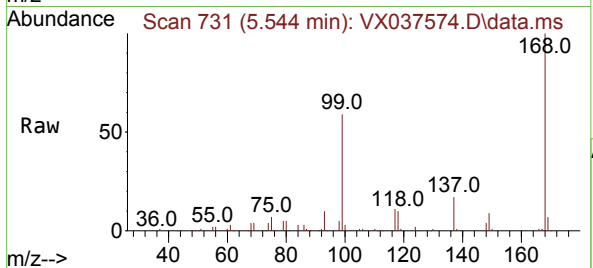
Tgt Ion: 96 Resp: 12931
 Ion Ratio Lower Upper
 96 100
 61 120.0 0.0 312.2
 98 65.8 0.0 129.0



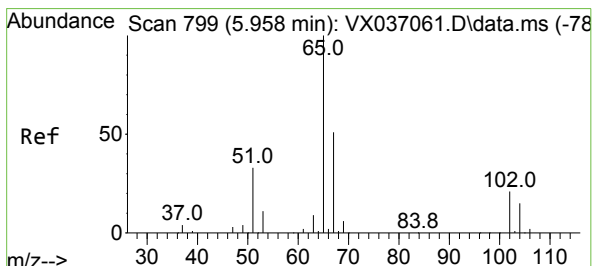
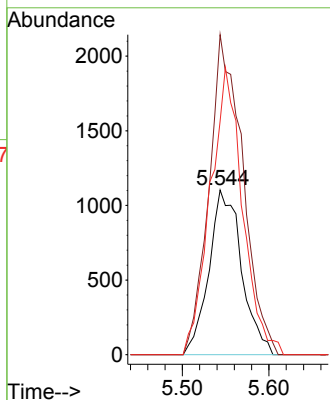
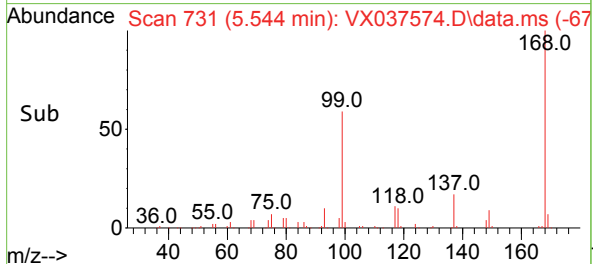


#31
Cyclohexane
Concen: 1.054 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :

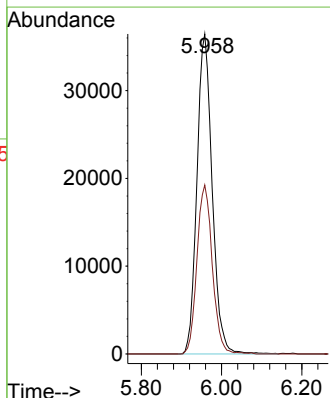
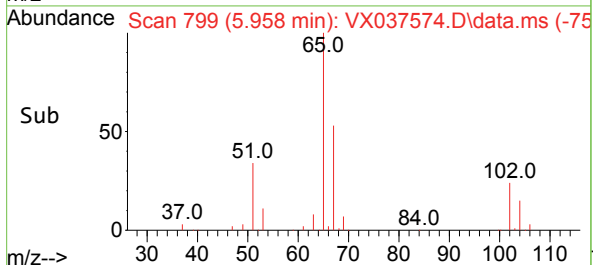
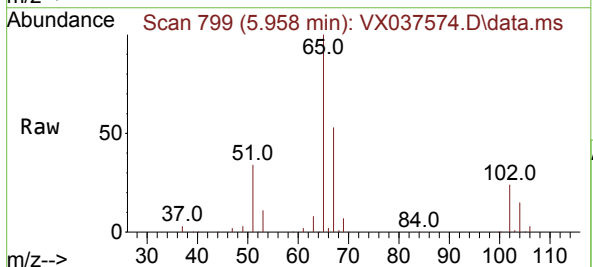


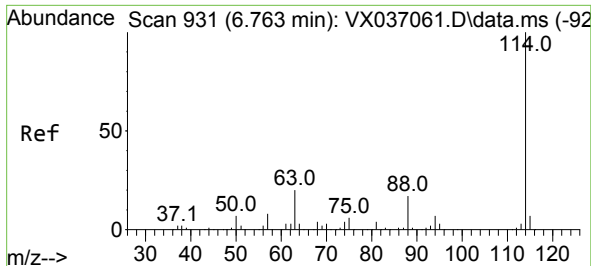
Tgt Ion: 56 Resp: 2886
Ion Ratio Lower Upper
56 100
69 194.4 23.4 35.2#
84 141.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.522 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion: 65 Resp: 96260
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

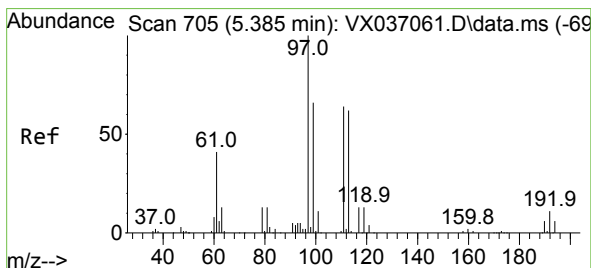
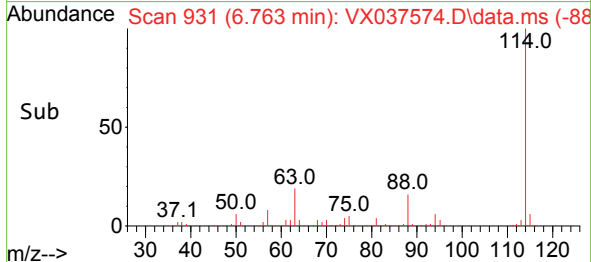
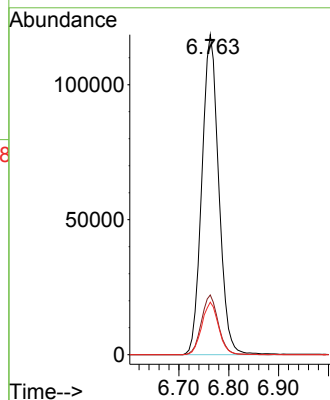
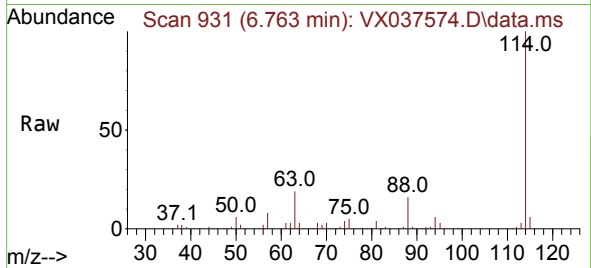




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

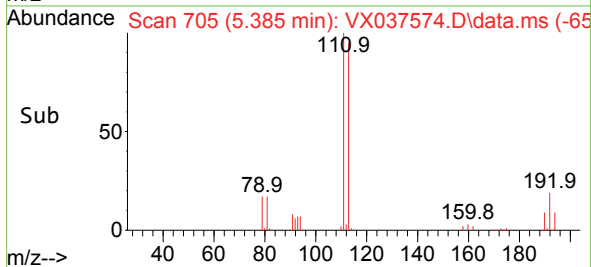
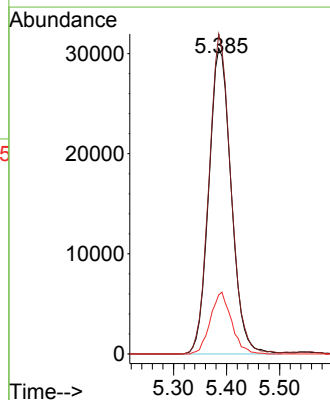
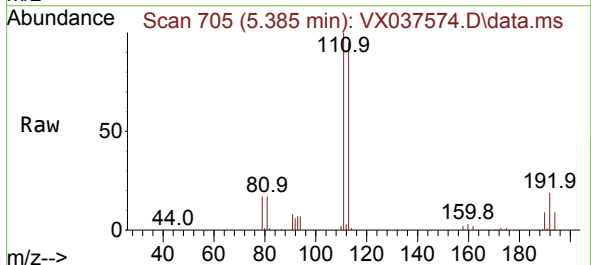
Instrument :
MSVOA_X
ClientSampleId :

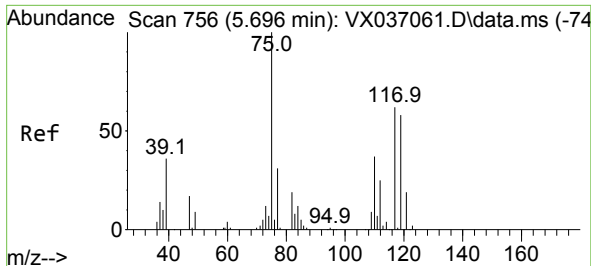
Tgt Ion:114 Resp: 279312
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.349 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion:113 Resp: 89436
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 19.1 13.3 19.9

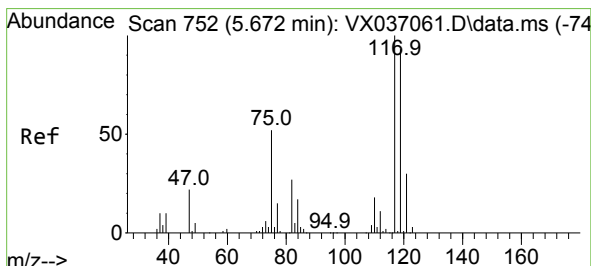
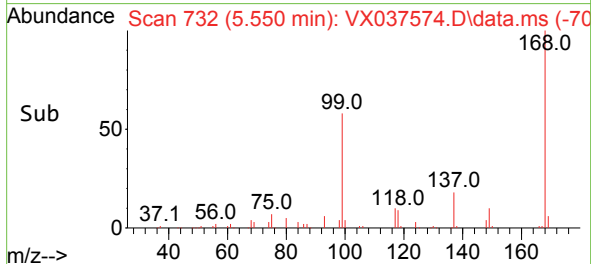
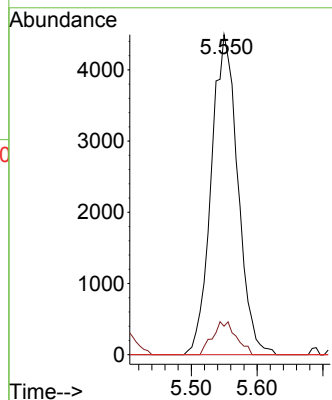
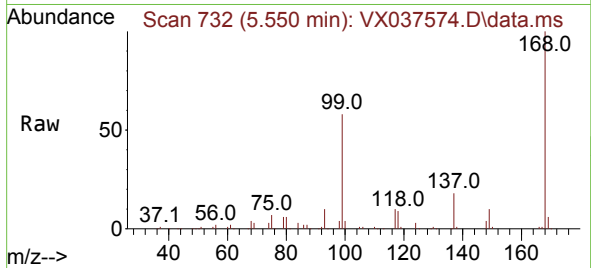




#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

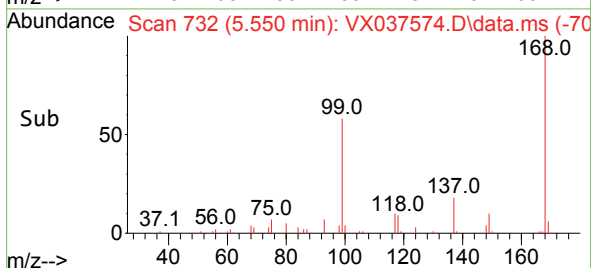
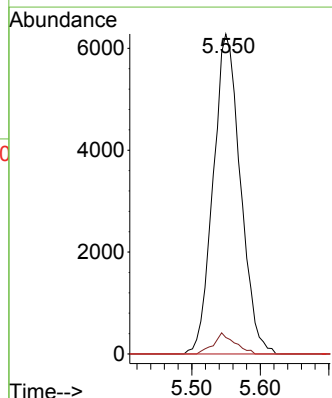
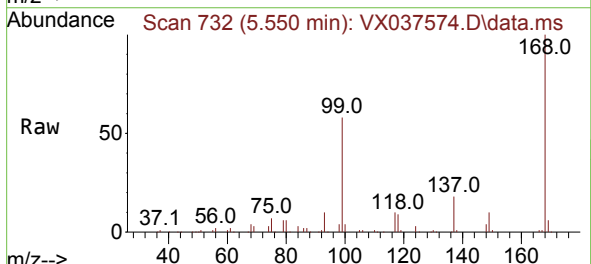
Instrument :
MSVOA_X
ClientSampleId :

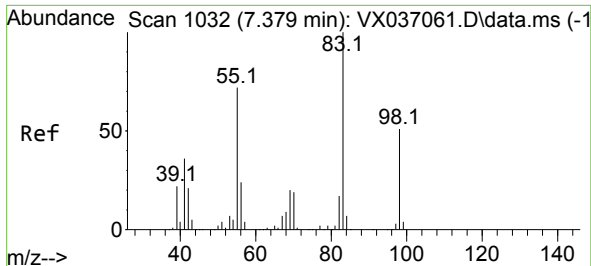
Tgt Ion: 75 Resp: 12662
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

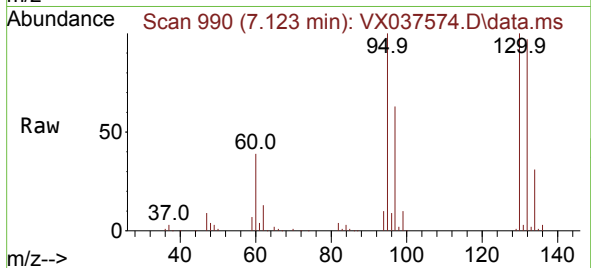
Tgt Ion: 117 Resp: 17304
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



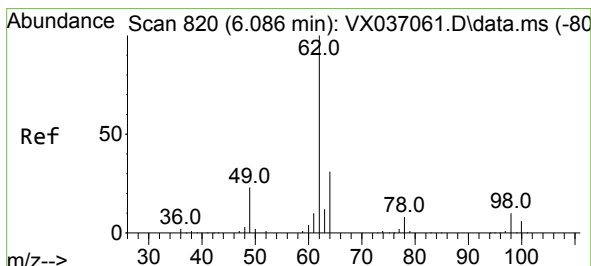
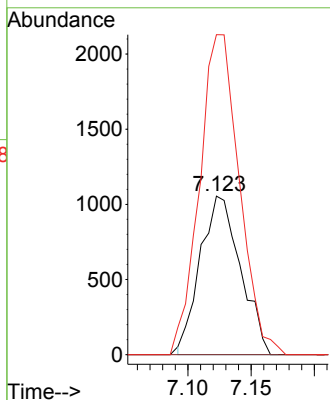
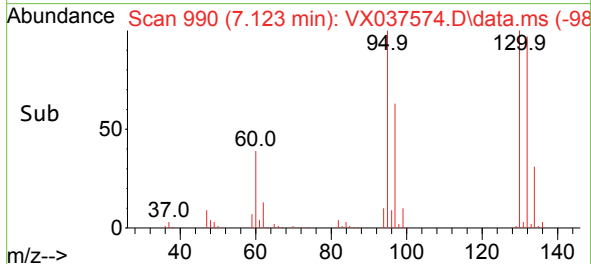


#39
Methylcyclohexane
Concen: 0.846 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :

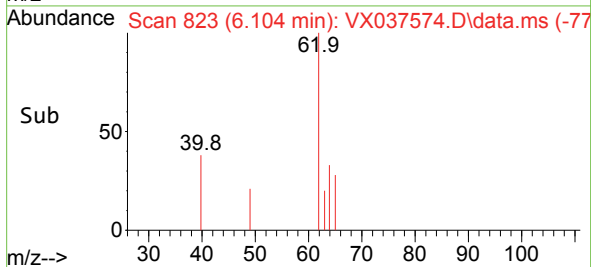
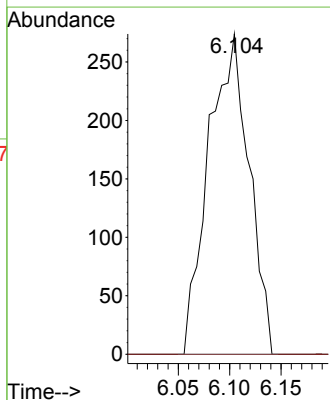
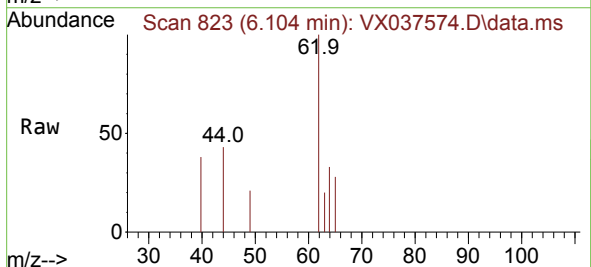


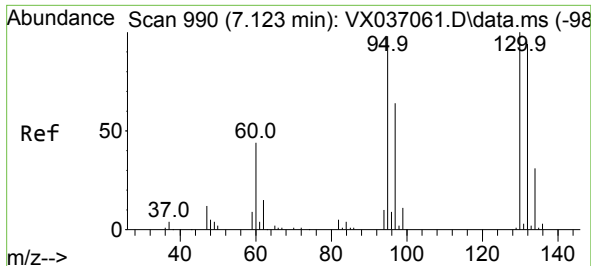
Tgt Ion: 83 Resp: 2336
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 196.9 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion: 62 Resp: 750
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

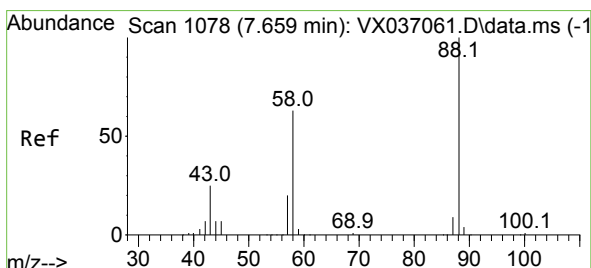
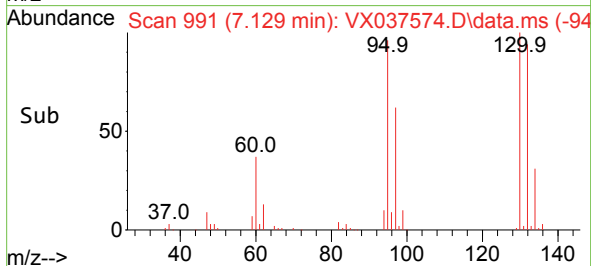
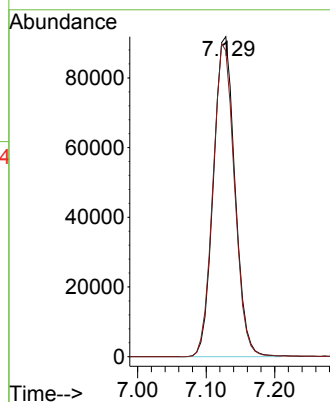
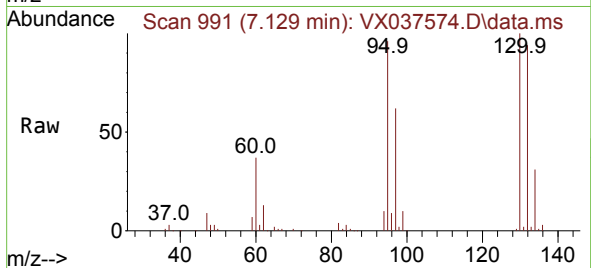




#44
Trichloroethene
Concen: 93.363 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

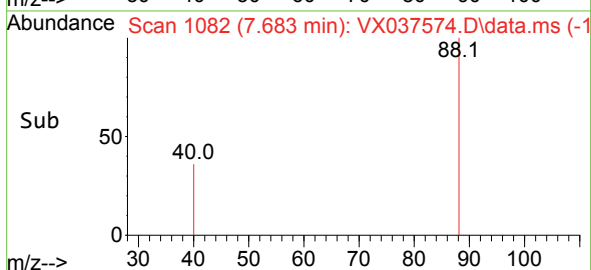
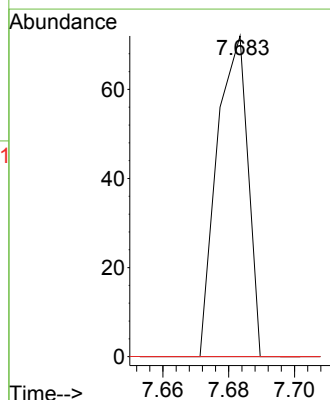
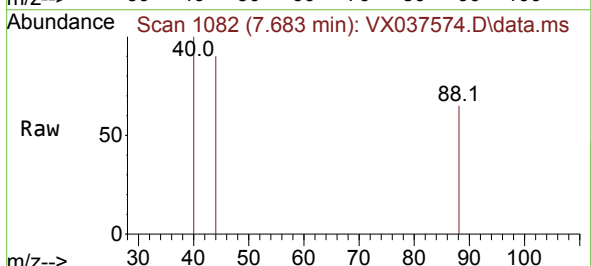
Instrument :
MSVOA_X
ClientSampleId :

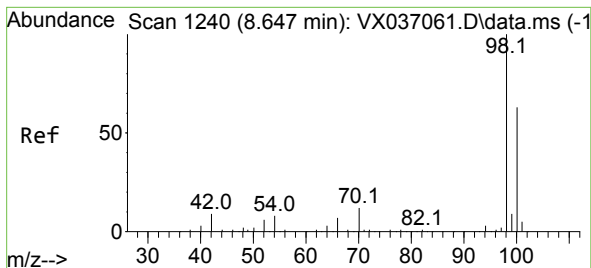
Tgt Ion:130 Resp: 199542
Ion Ratio Lower Upper
130 100
95 95.6 0.0 204.4



#49
1,4-Dioxane
Concen: 0.840 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 46.939 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037574.D

Acq: 07 Sep 2023 13:04

Instrument :

MSVOA_X

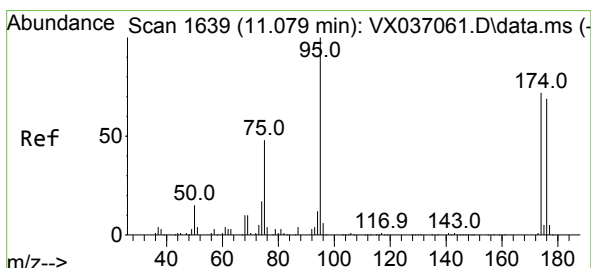
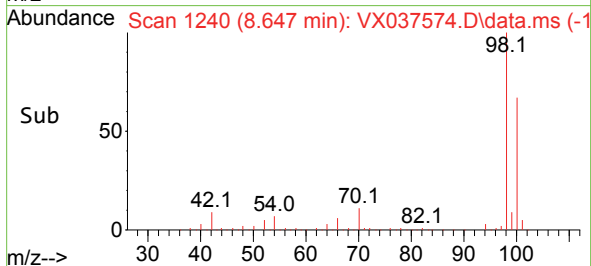
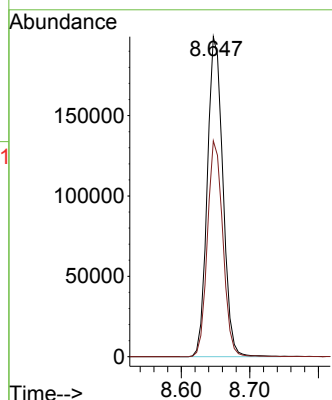
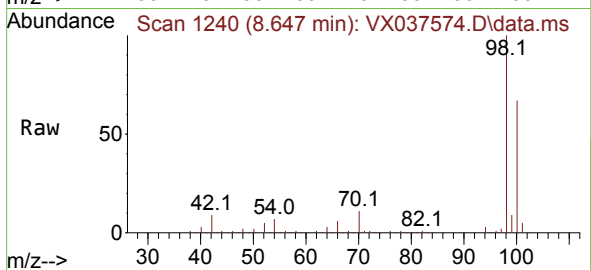
ClientSampleId :

Tgt Ion: 98 Resp: 314959

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.364 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037574.D

Acq: 07 Sep 2023 13:04

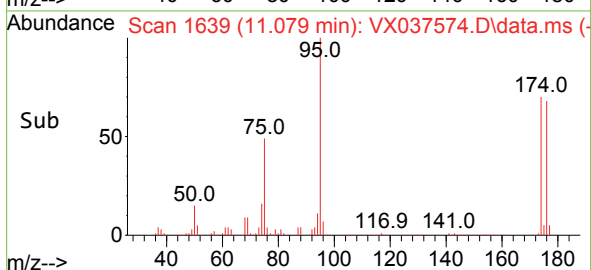
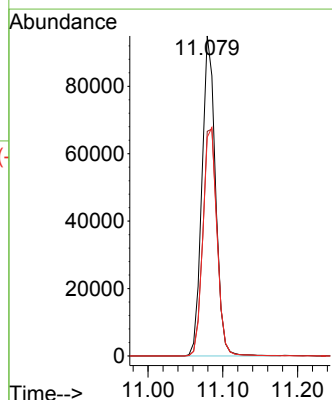
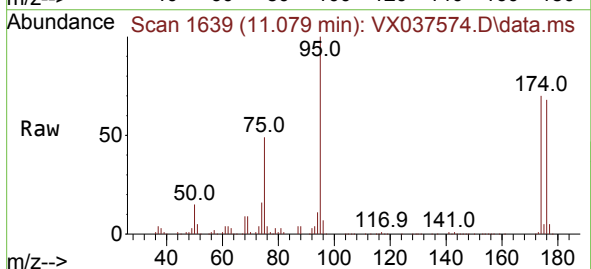
Tgt Ion: 95 Resp: 119621

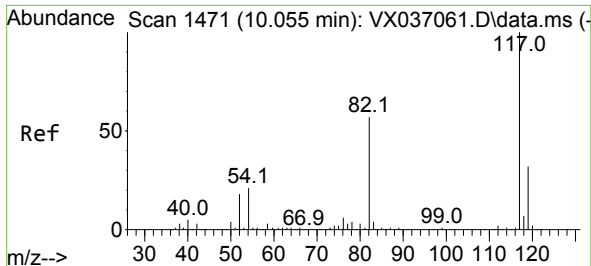
Ion Ratio Lower Upper

95 100

174 74.9 0.0 135.6

176 73.8 0.0 131.0

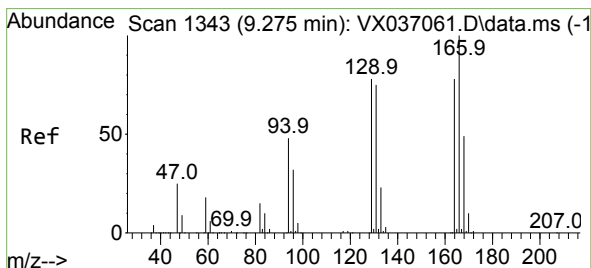
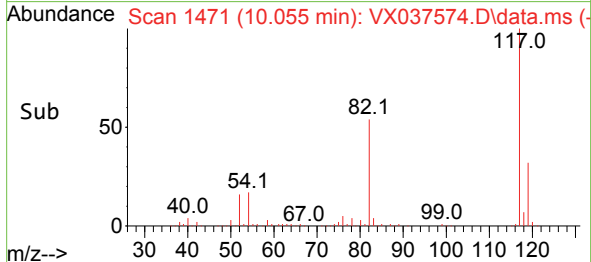
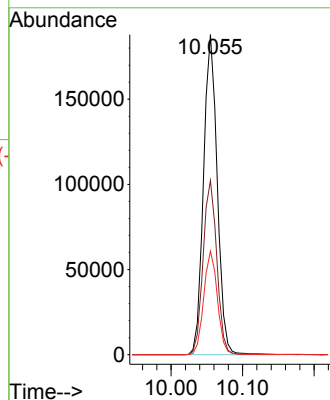
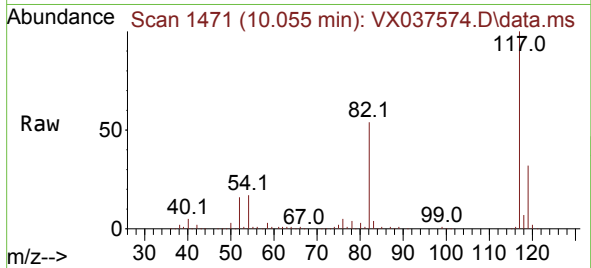




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

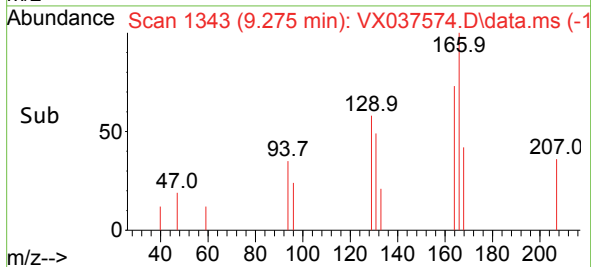
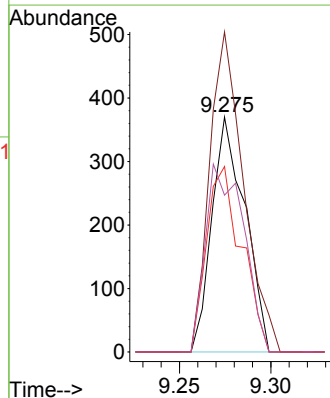
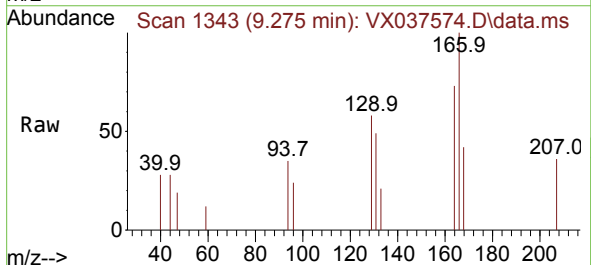
Instrument :
MSVOA_X
ClientSampleId :

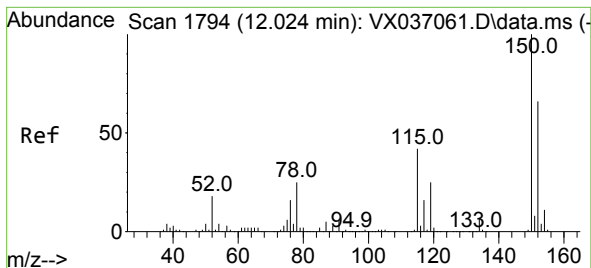
Tgt Ion:117 Resp: 250736
Ion Ratio Lower Upper
117 100
82 54.4 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.255 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Tgt Ion:164 Resp: 466
Ion Ratio Lower Upper
164 100
166 136.2 102.7 154.1
129 78.9 80.4 120.6#
131 66.8 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037574.D

Acq: 07 Sep 2023 13:04

Instrument :

MSVOA_X

ClientSampleId :

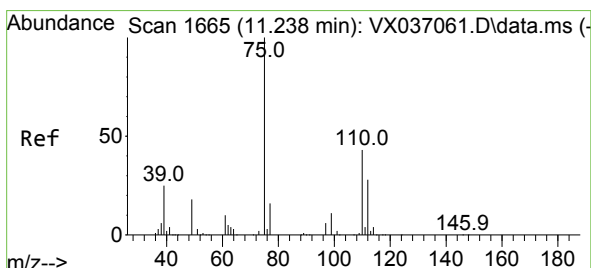
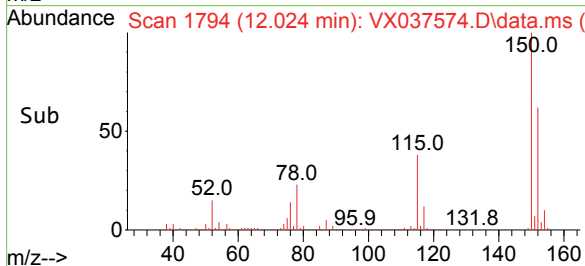
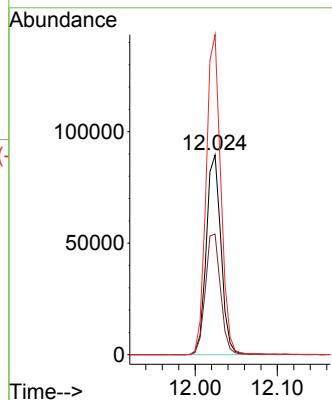
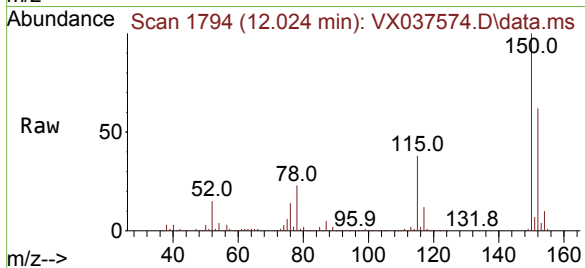
Tgt Ion:152 Resp: 111493

Ion Ratio Lower Upper

152 100

115 62.5 43.3 129.9

150 159.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.108 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037574.D

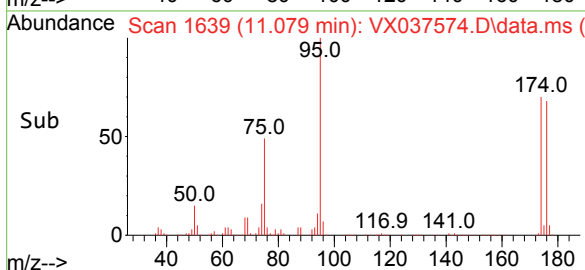
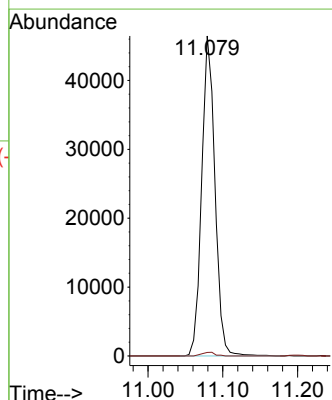
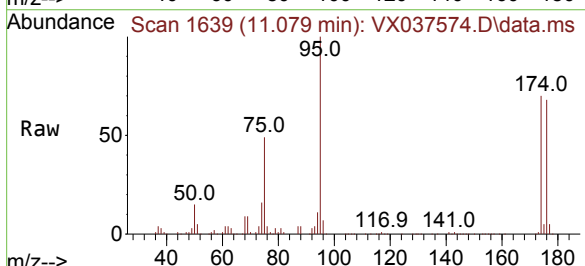
Acq: 07 Sep 2023 13:04

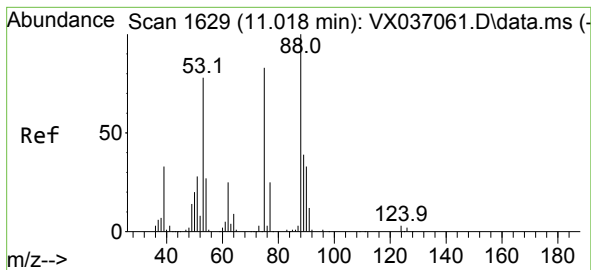
Tgt Ion: 75 Resp: 57244

Ion Ratio Lower Upper

75 100

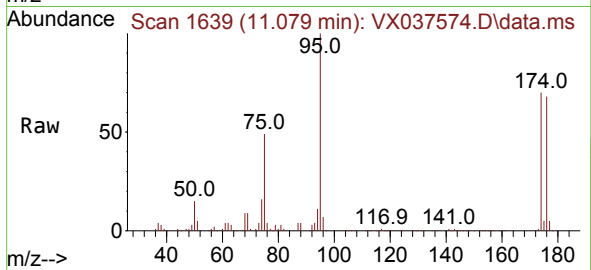
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.336 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037574.D
Acq: 07 Sep 2023 13:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 57244
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

