

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038900.D
 Acq On : 18 Nov 2023 01:39
 Operator : JC/MD
 Sample : 05404-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 18 05:05:11 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	115917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117369	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88194	47.218	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.391	113	74720	44.625	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.260%
50) Toluene-d8	8.647	98	291987	45.578	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.160%#
62) 4-Bromofluorobenzene	11.079	95	123328	48.091	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.180%

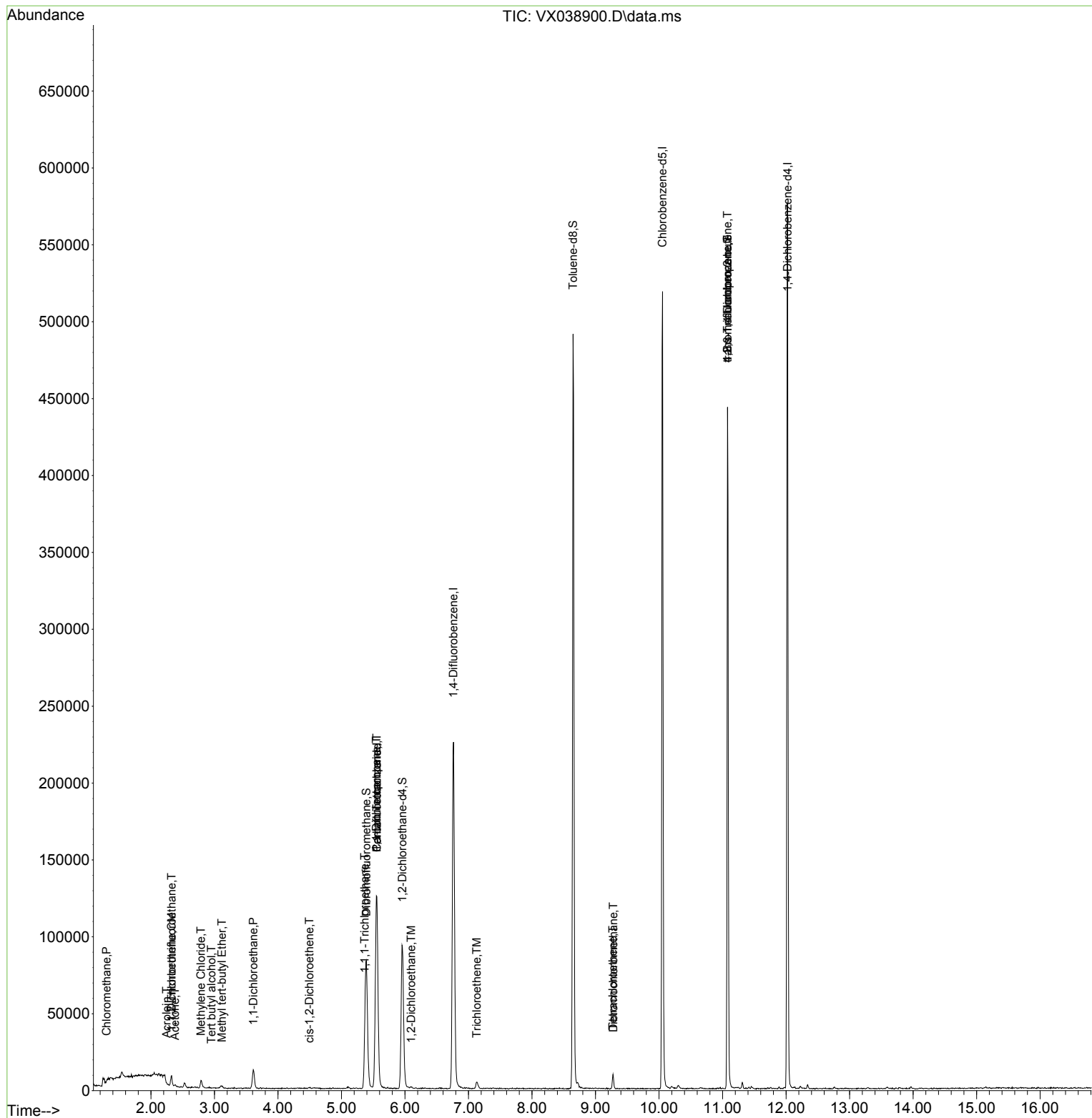
Target Compounds			Qvalue			
3) Chloromethane	1.300	50	579	0.328	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	378	0.264	ug/l #	76
11) Tert butyl alcohol	2.953	59	109	0.210	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	2111	1.461	ug/l #	60
13) Acrolein	2.245	56	69	0.251	ug/l #	1
16) Acetone	2.379	43	1136	1.142	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	1572	0.309	ug/l #	61
20) Methylene Chloride	2.788	84	2292	1.279	ug/l	85
24) 1,1-Dichloroethane	3.611	63	13326	4.491	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	519	0.279	ug/l	61
32) 1,1,1-Trichloroethane	5.367	97	1278	0.509	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	10361	4.317	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12808	5.775	ug/l #	16
42) 1,2-Dichloroethane	6.098	62	758	0.322	ug/l #	77
44) Trichloroethene	7.129	130	1717	0.994	ug/l	85
60) Dibromochloromethane	9.281	129	1296	0.694	ug/l #	11
64) Tetrachloroethene	9.275	164	1099	0.760	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	63334	21.628	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	63334	47.973	ug/l #	5

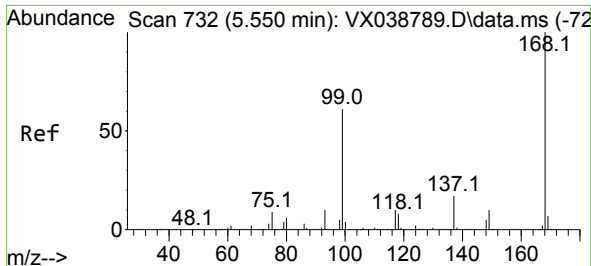
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 18 05:05:11 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

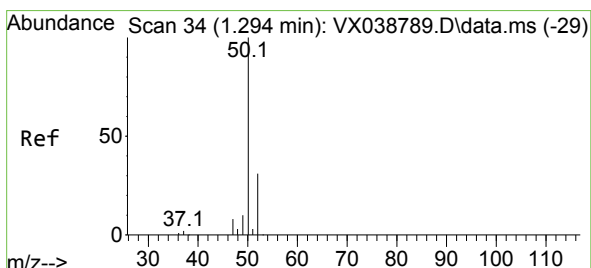
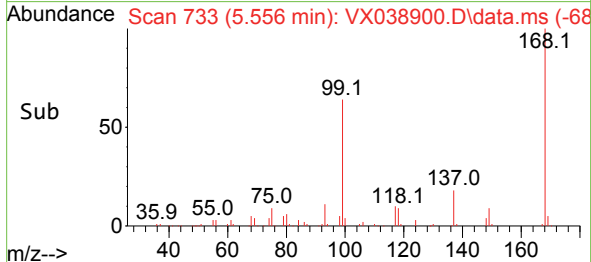
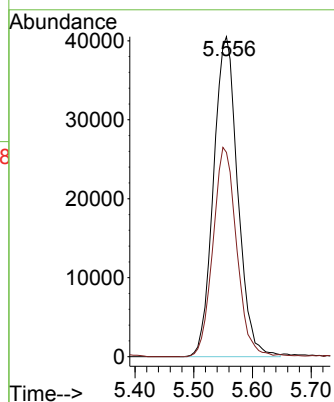
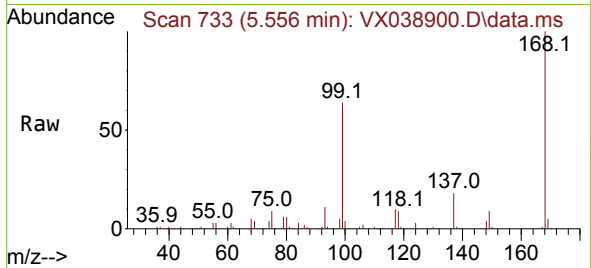




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

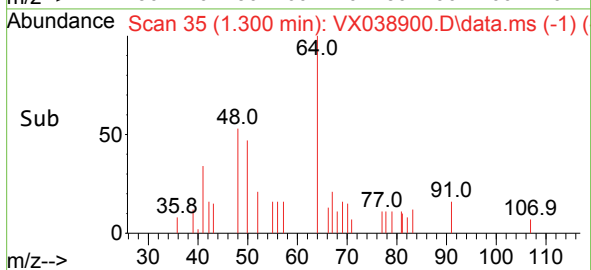
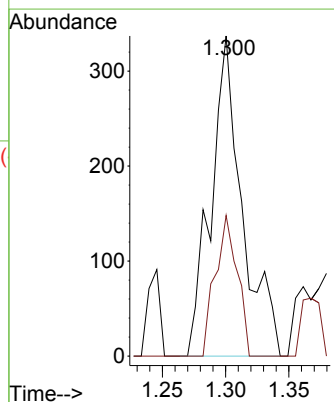
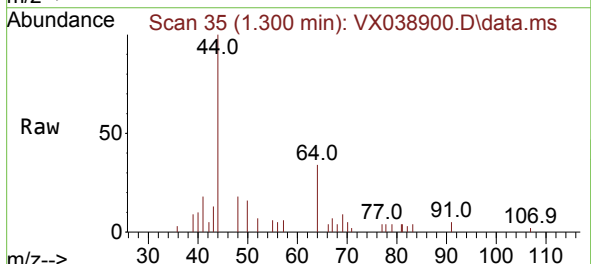
Instrument :
MSVOA_X
ClientSampleId :

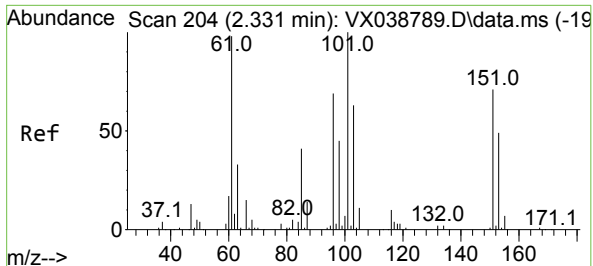
Tgt Ion:168 Resp: 115917
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#3
Chloromethane
Concen: 0.328 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 43.9 25.5 38.3#

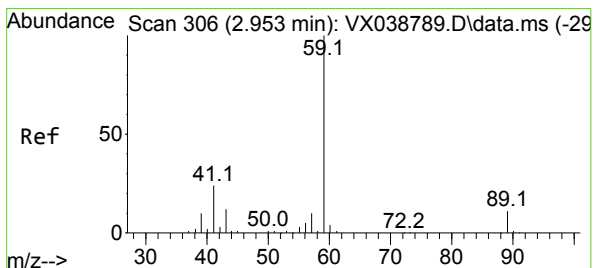
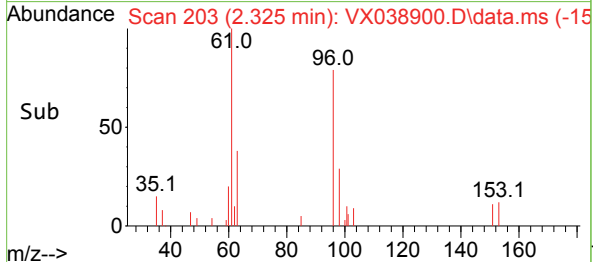
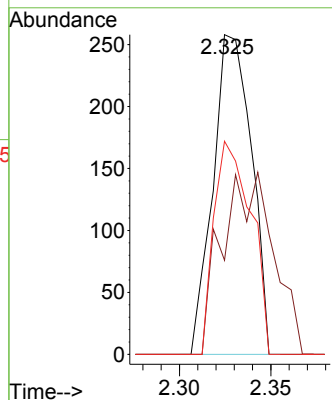
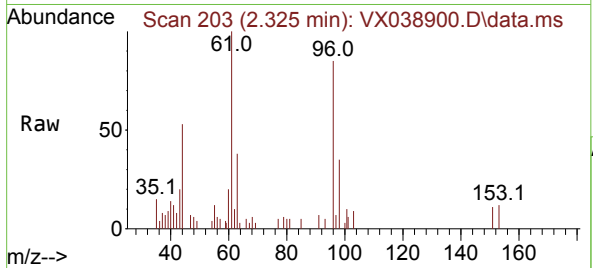




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.264 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

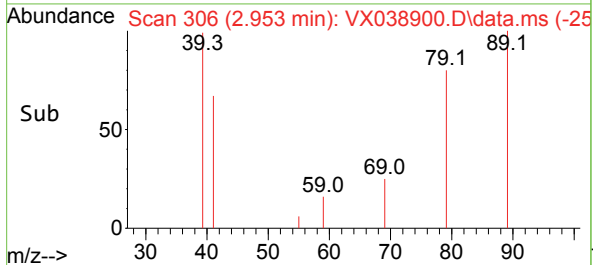
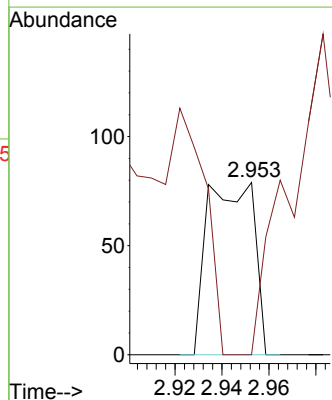
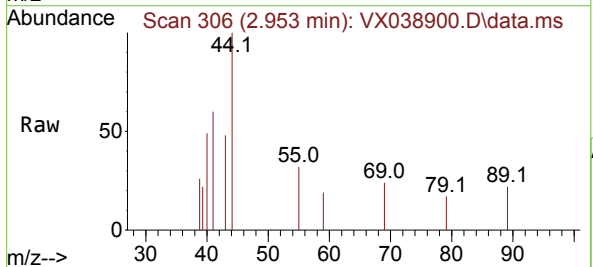
Instrument :
MSVOA_X
ClientSampleId :

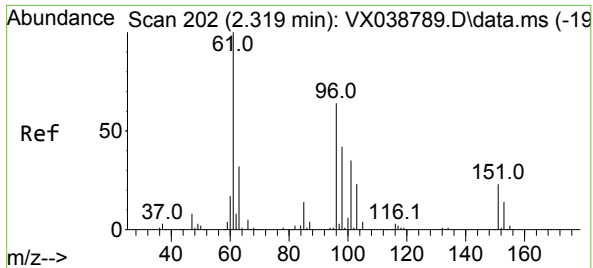
Tgt Ion:101 Resp: 378
Ion Ratio Lower Upper
101 100
85 75.7 37.0 55.6#
151 64.0 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.210 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

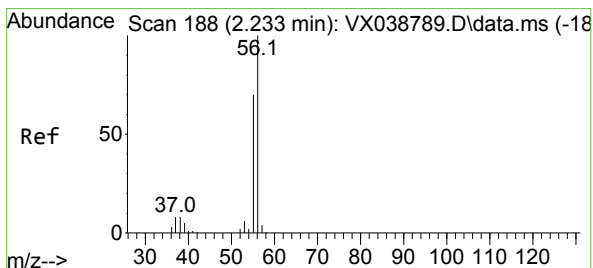
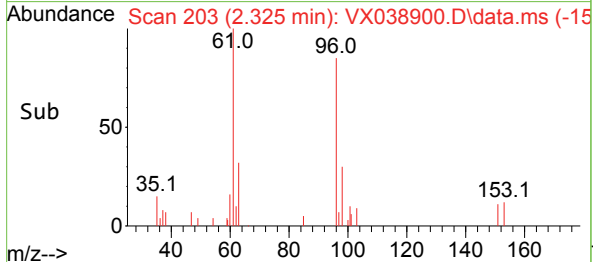
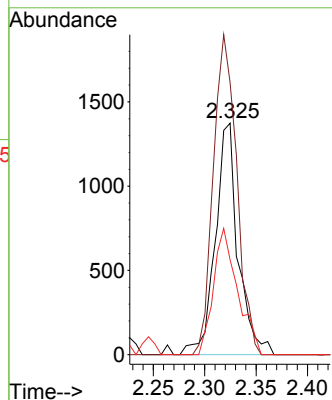
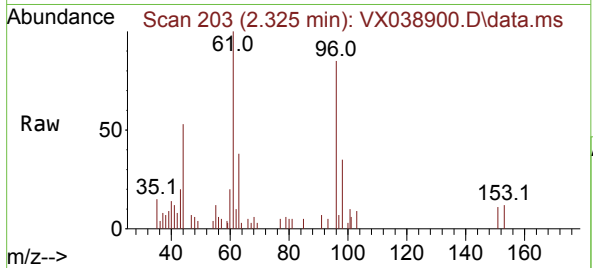




#12
1,1-Dichloroethene
Concen: 1.461 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

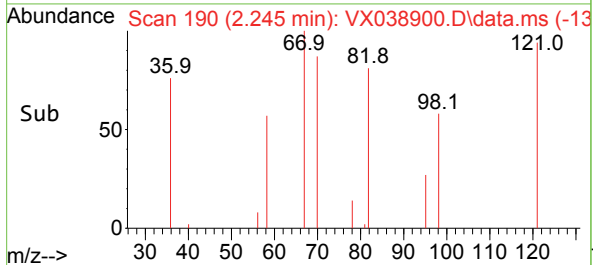
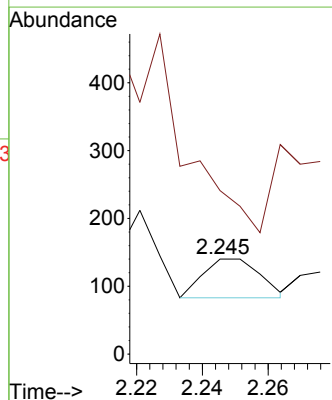
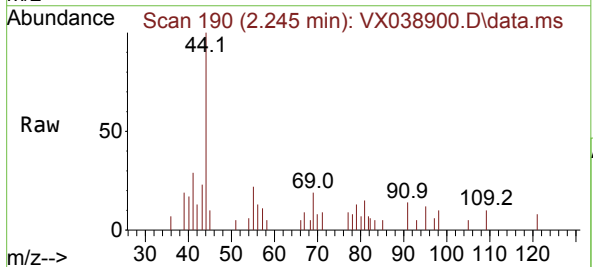
Instrument :
MSVOA_X
ClientSampleId :

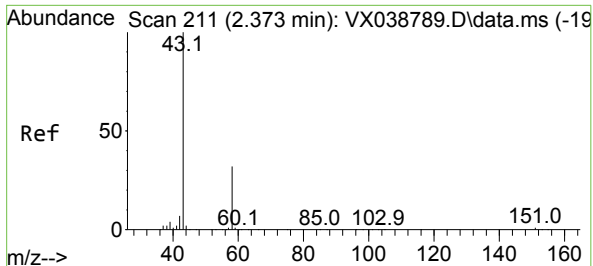
Tgt Ion: 96 Resp: 2111
Ion Ratio Lower Upper
96 100
61 117.4 144.6 216.8#
98 40.9 50.4 75.6#



#13
Acrolein
Concen: 0.251 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 253.6 57.1 85.7#

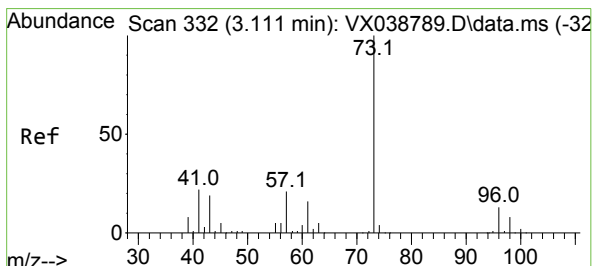
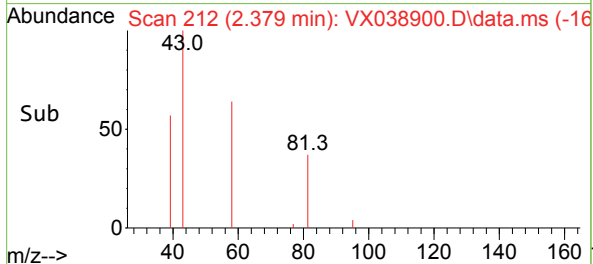
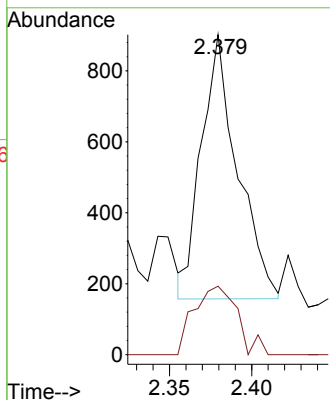
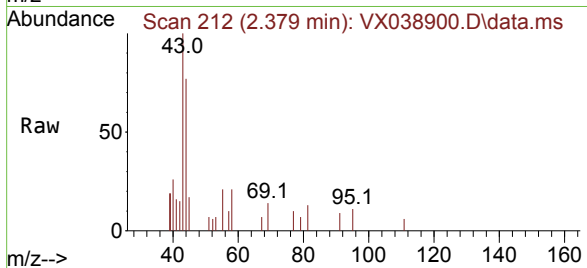




#16
Acetone
Concen: 1.142 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

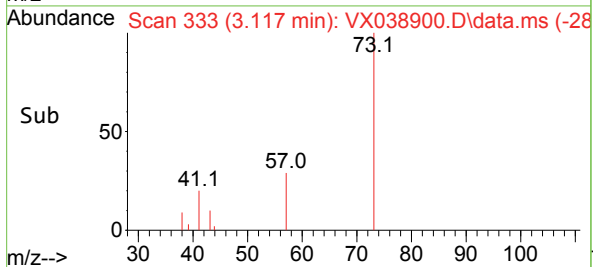
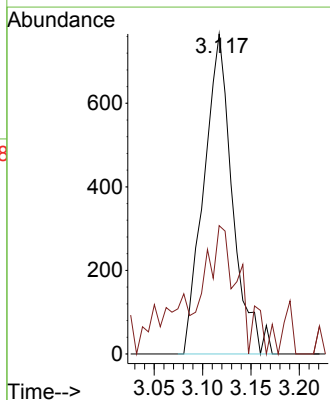
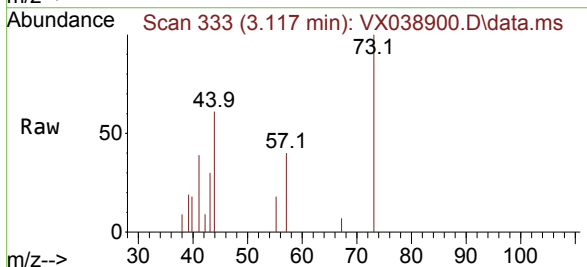
Instrument :
MSVOA_X
ClientSampleId :

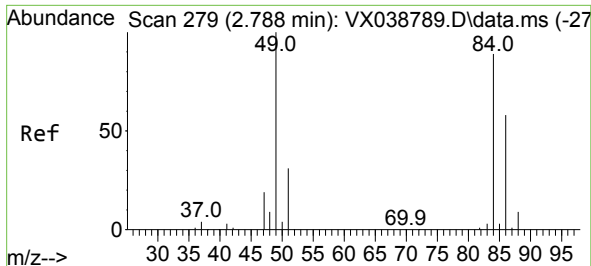
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.309 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 73 Resp: 1572
Ion Ratio Lower Upper
73 100
57 40.1 17.3 25.9#





#20

Methylene Chloride

Concen: 1.279 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

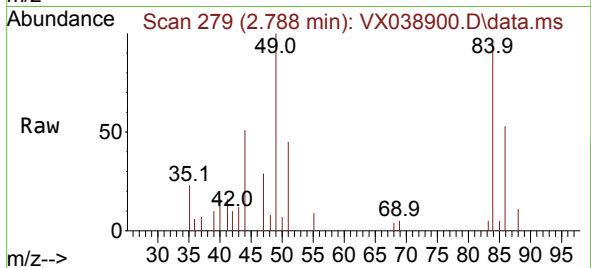
Lab File: VX038900.D

Acq: 18 Nov 2023 01:39

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2292

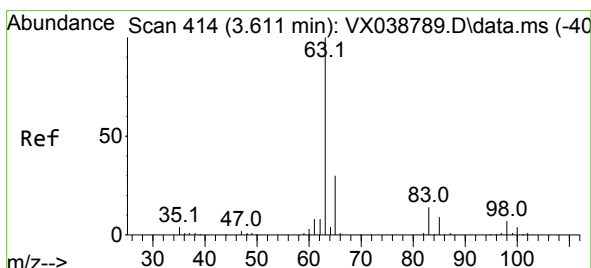
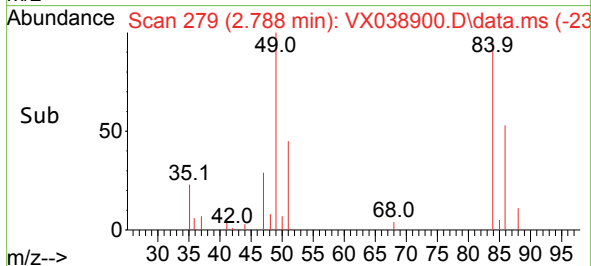
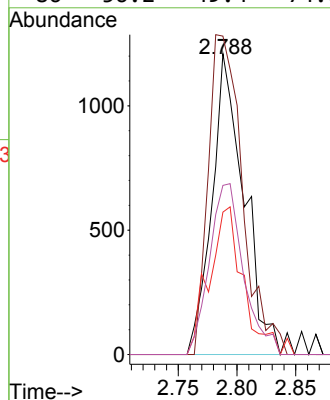
Ion Ratio Lower Upper

84 100

49 105.8 103.6 155.4

51 47.4 33.8 50.6

86 56.2 49.4 74.0



#24

1,1-Dichloroethane

Concen: 4.491 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX038900.D

Acq: 18 Nov 2023 01:39

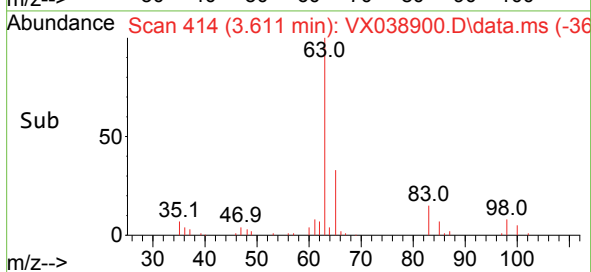
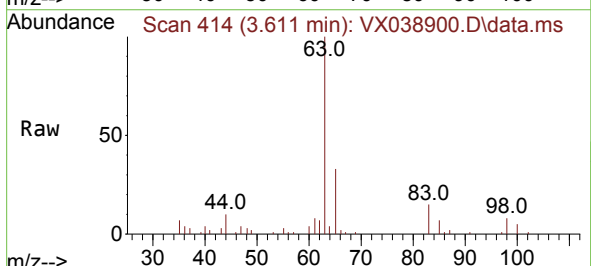
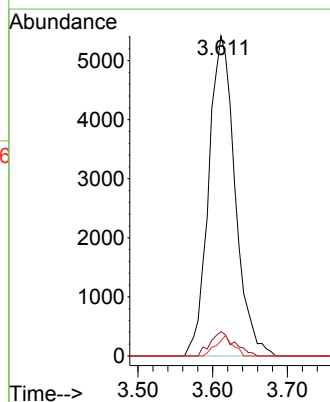
Tgt Ion: 63 Resp: 13326

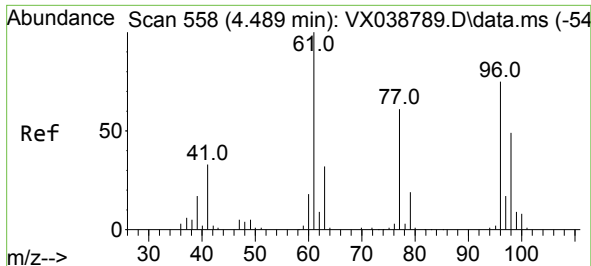
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.8

100 4.7 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 0.279 ug/l

RT: 4.495 min Scan# 519

Delta R.T. 0.006 min

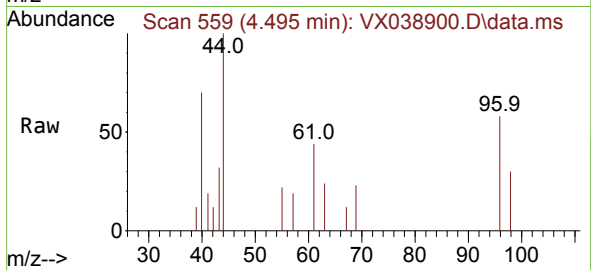
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Acq: 18 Nov 2023 01:39

Instrument :

MSVOA_X

ClientSampleId :



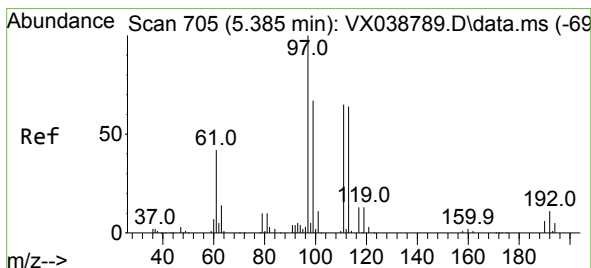
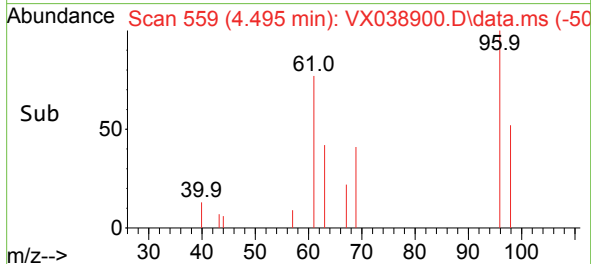
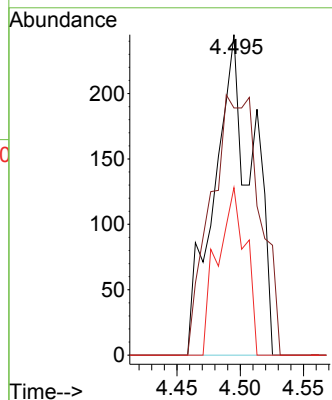
Tgt Ion: 96 Resp: 519

Ion Ratio Lower Upper

96 100

61 102.7 0.0 312.2

98 38.3 0.0 129.0



#32

1,1,1-Trichloroethane

Concen: 0.509 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.018 min

Lab File: VX038900.D

Acq: 18 Nov 2023 01:39

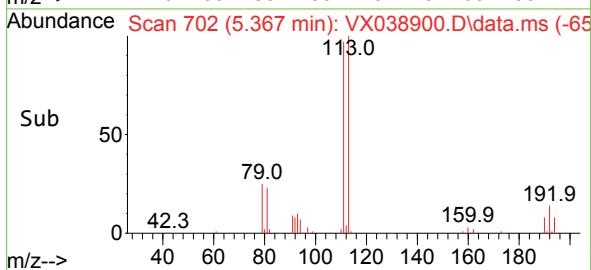
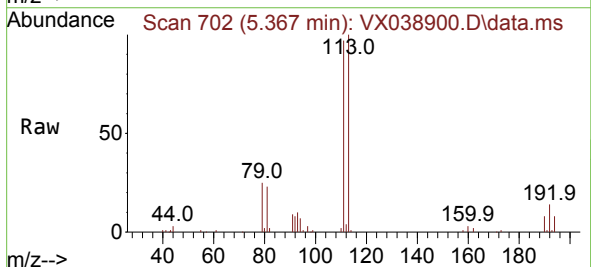
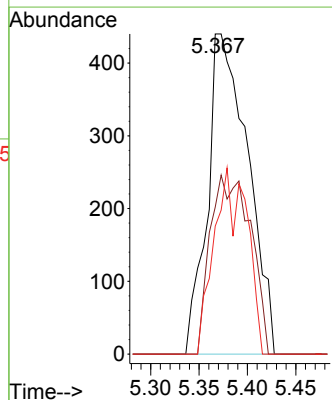
Tgt Ion: 97 Resp: 1278

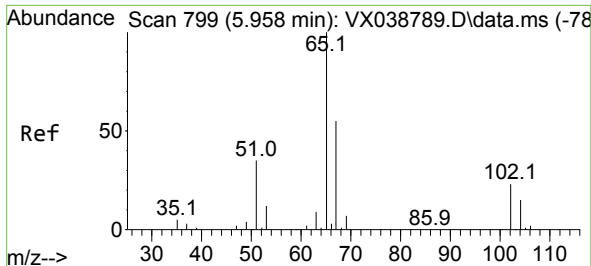
Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 27.9 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 47.218 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038900.D

Acq: 18 Nov 2023 01:39

Instrument :

MSVOA_X

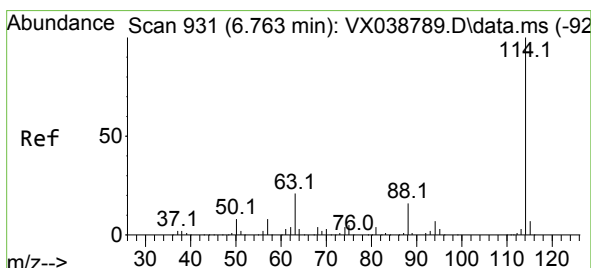
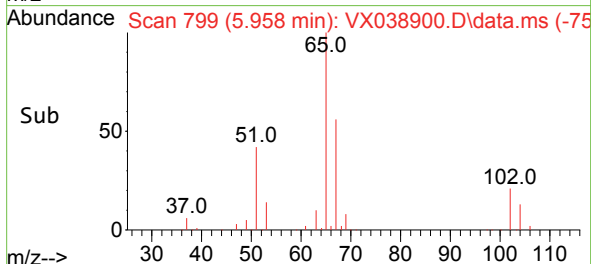
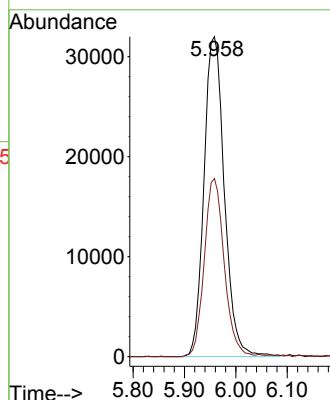
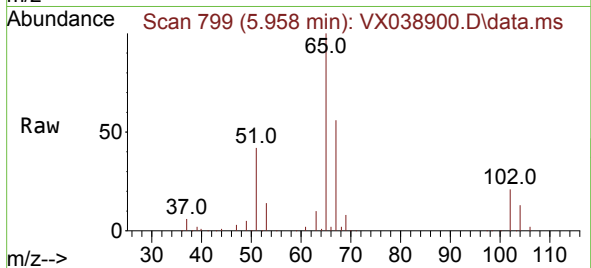
ClientSampleId :

Tgt Ion: 65 Resp: 88194

Ion Ratio Lower Upper

65 100

67 54.4 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: VX038900.D

Acq: 18 Nov 2023 01:39

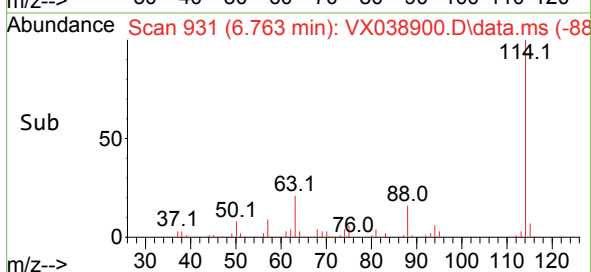
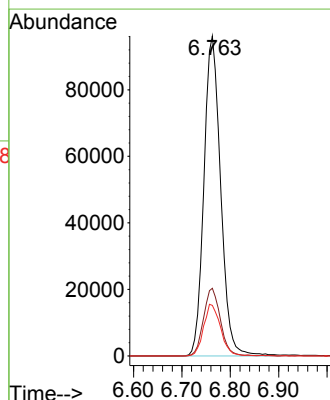
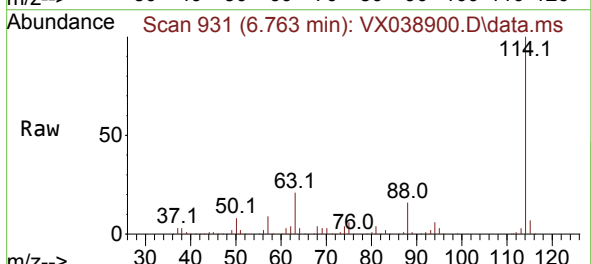
Tgt Ion: 114 Resp: 231837

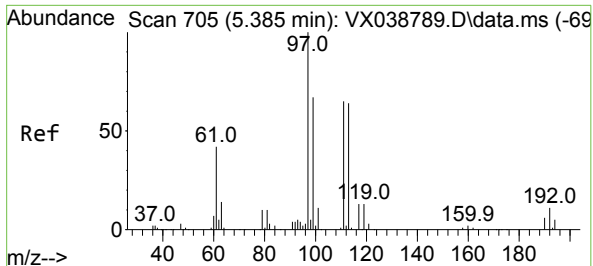
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

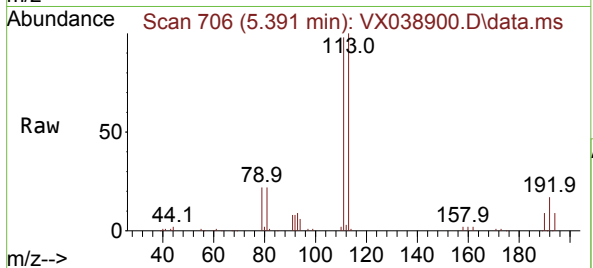
88 15.8 0.0 36.6



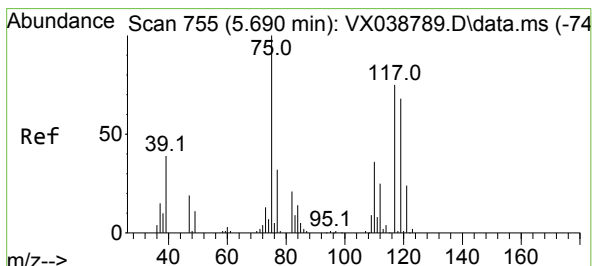
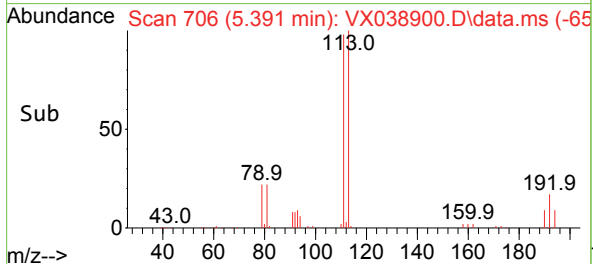
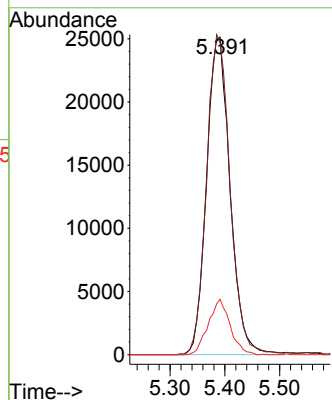


#35
Dibromofluoromethane
Concen: 44.625 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Instrument :
MSVOA_X
ClientSampleId :

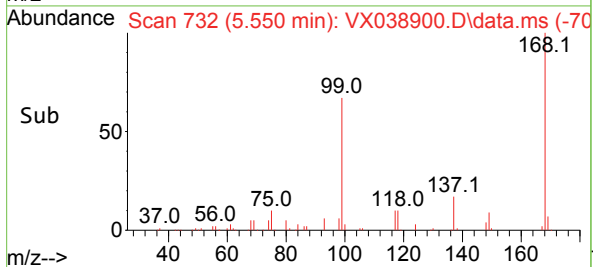
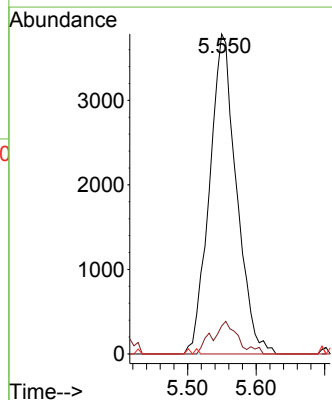
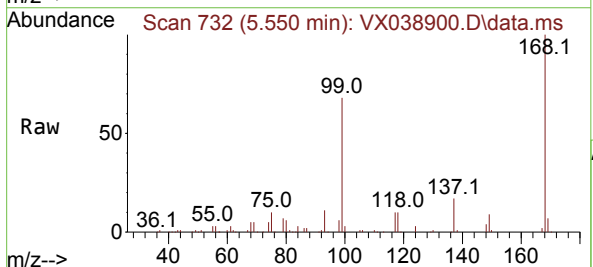


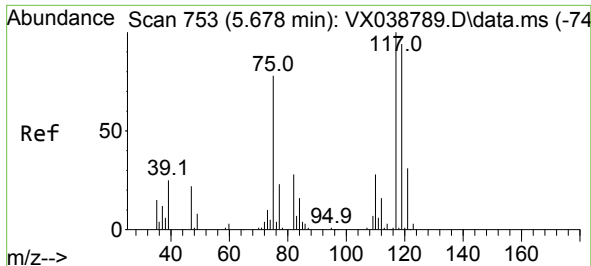
Tgt Ion:113 Resp: 74720
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.317 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

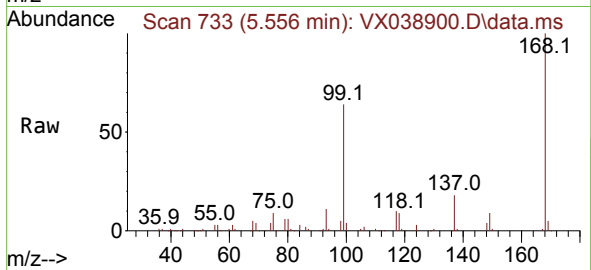
Tgt Ion: 75 Resp: 10361
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



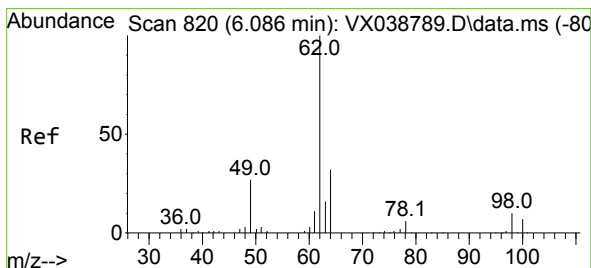
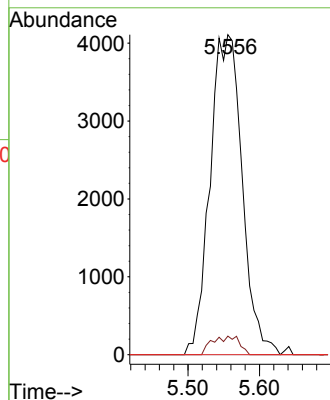
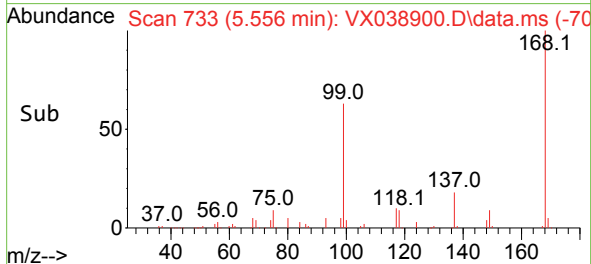


#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Instrument :
MSVOA_X
ClientSampleId :

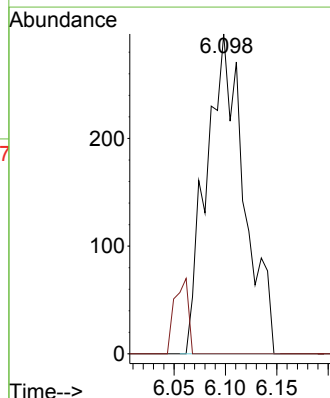
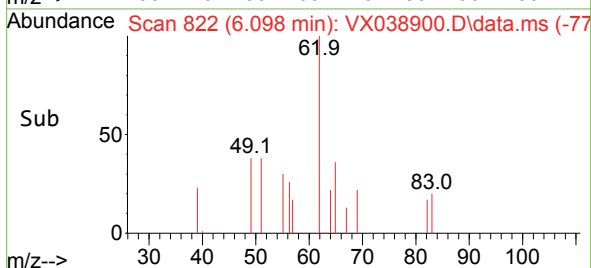
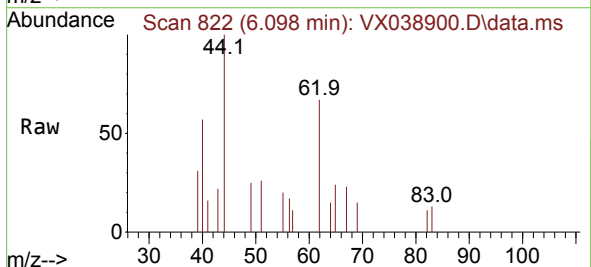


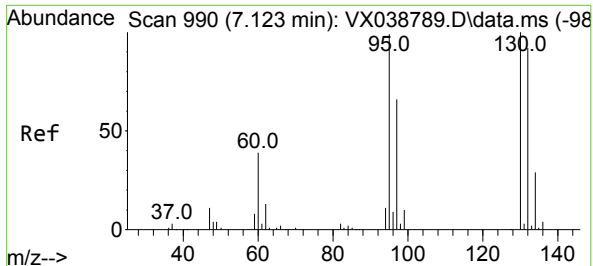
Tgt Ion:117 Resp: 12808
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.322 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 62 Resp: 758
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

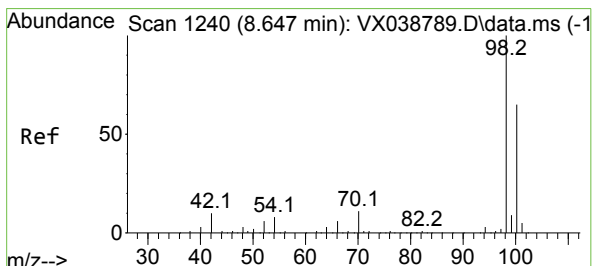
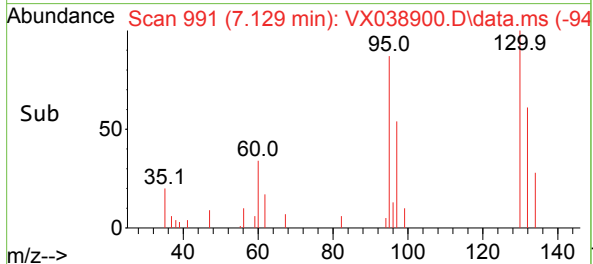
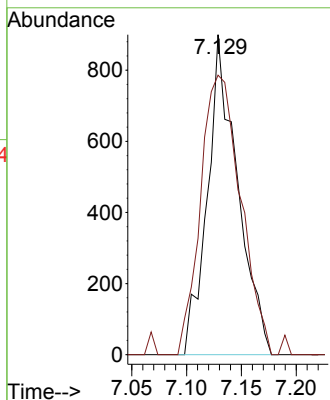
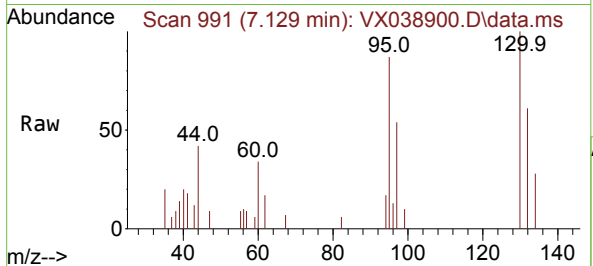




#44
Trichloroethene
Concen: 0.994 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

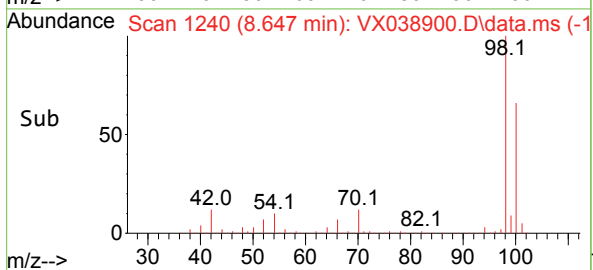
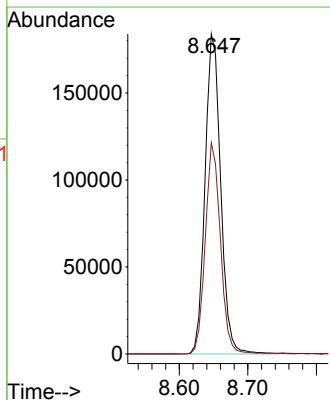
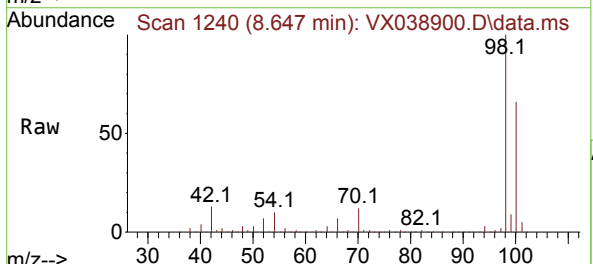
Instrument :
MSVOA_X
ClientSampleId :

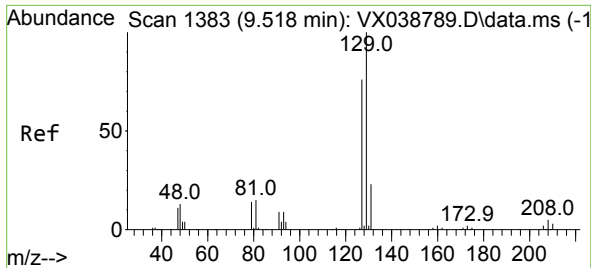
Tgt Ion:130 Resp: 1717
Ion Ratio Lower Upper
130 100
95 87.3 0.0 204.4



#50
Toluene-d8
Concen: 45.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 98 Resp: 291987
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

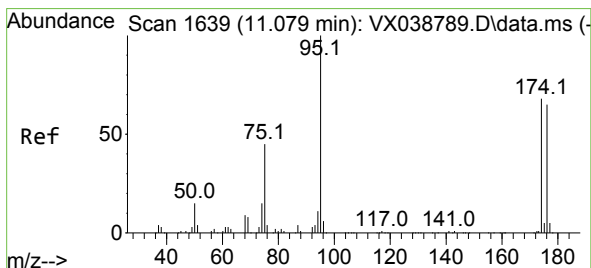
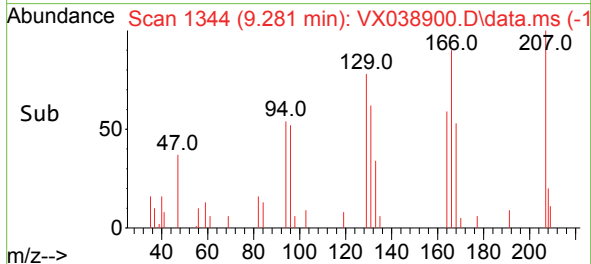
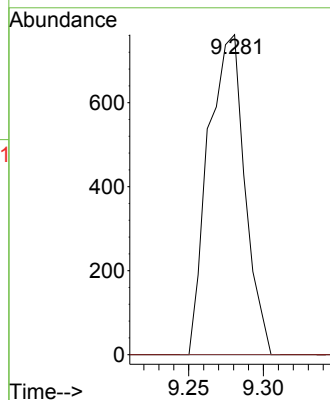
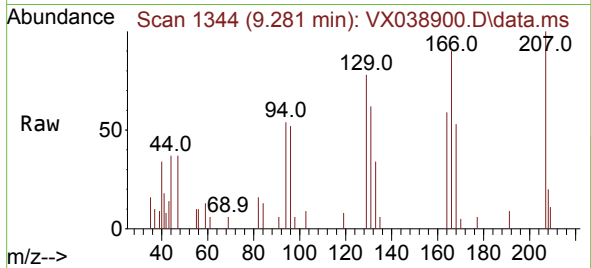




#60
Dibromochloromethane
Concen: 0.694 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

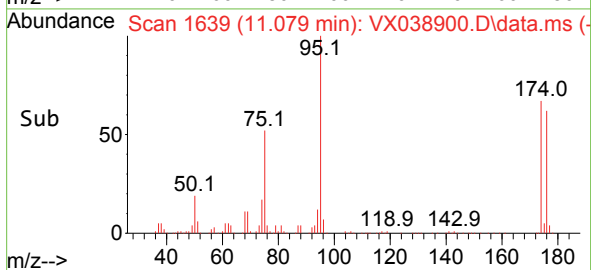
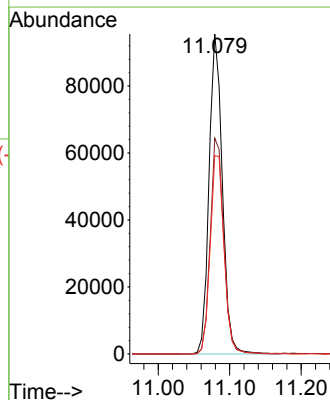
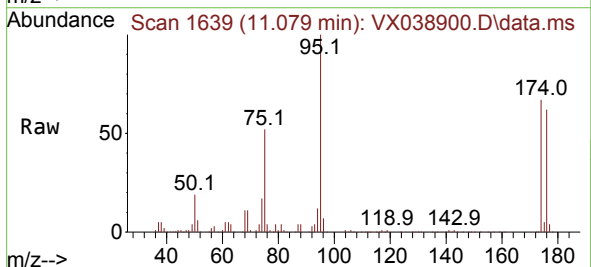
Instrument :
MSVOA_X
ClientSampleId :

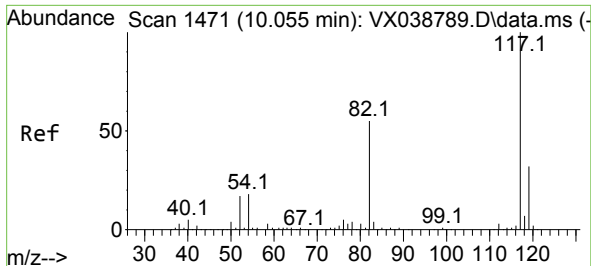
Tgt Ion:129 Resp: 1296
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion: 95 Resp: 123328
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.6
176 64.7 0.0 131.0

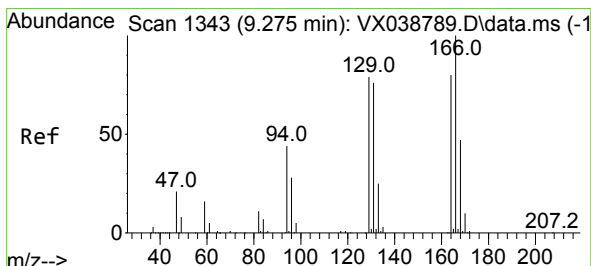
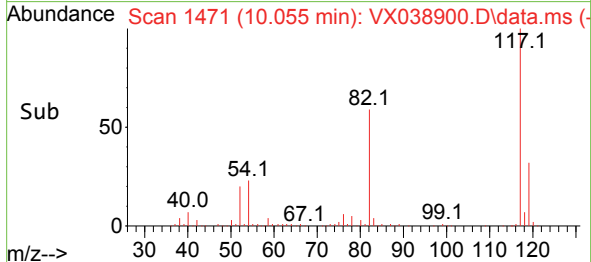
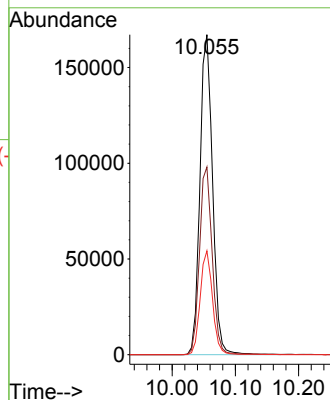
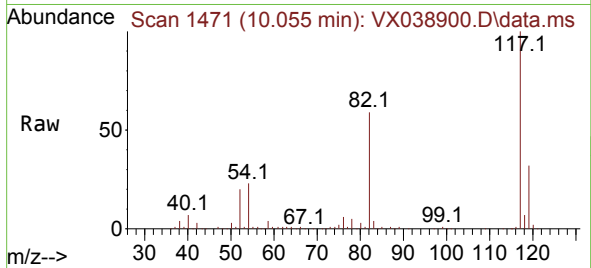




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

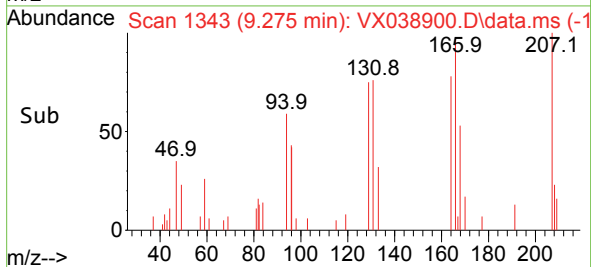
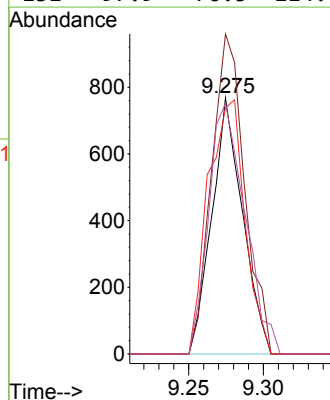
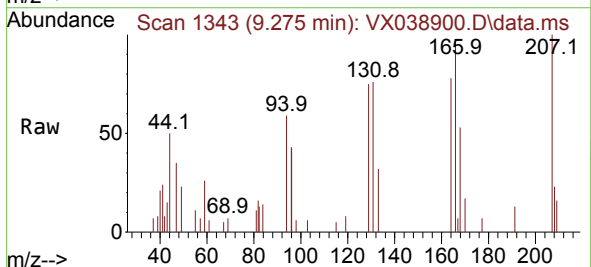
Instrument :
MSVOA_X
ClientSampleId :

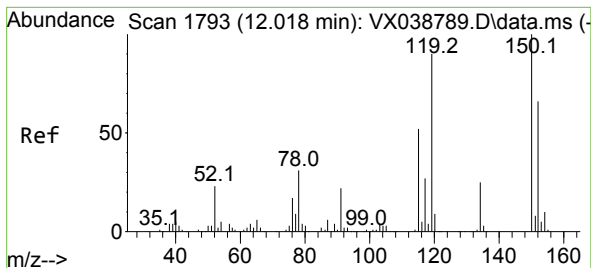
Tgt Ion:117 Resp: 232534
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038900.D
Acq: 18 Nov 2023 01:39

Tgt Ion:164 Resp: 1099
Ion Ratio Lower Upper
164 100
166 125.0 102.7 154.1
129 96.1 80.4 120.6
131 97.9 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038900.D

Acq: 18 Nov 2023 01:39

Instrument :

MSVOA_X

ClientSampleId :

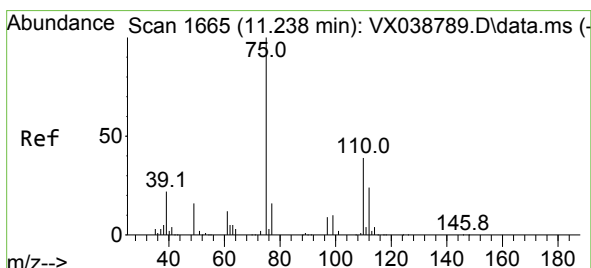
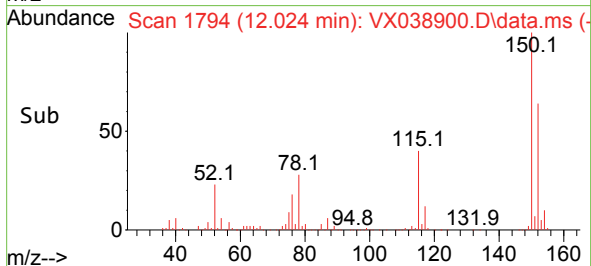
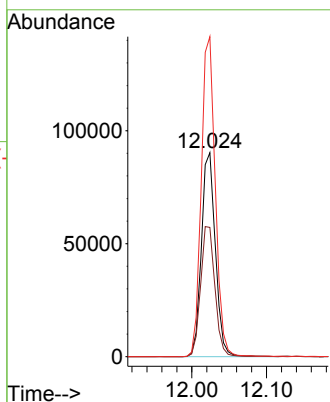
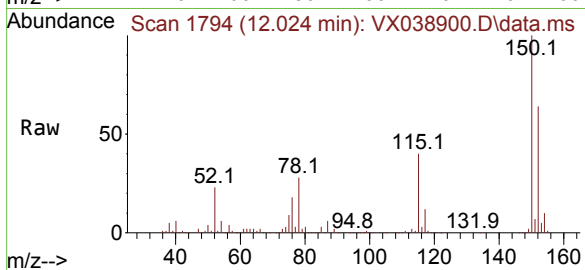
Tgt Ion:152 Resp: 117369

Ion Ratio Lower Upper

152 100

115 65.3 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.628 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038900.D

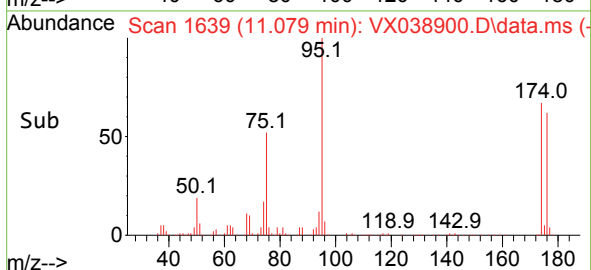
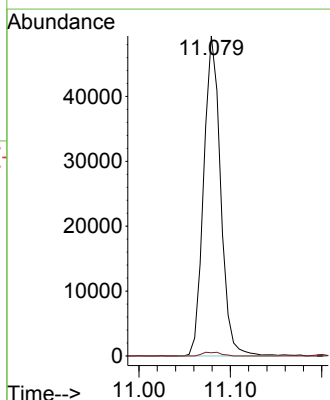
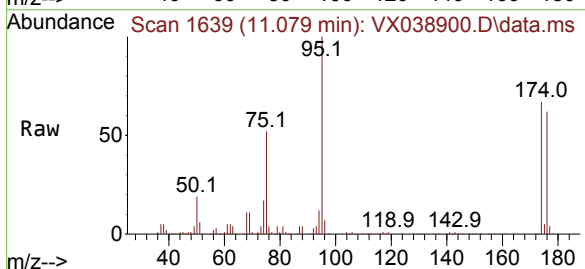
Acq: 18 Nov 2023 01:39

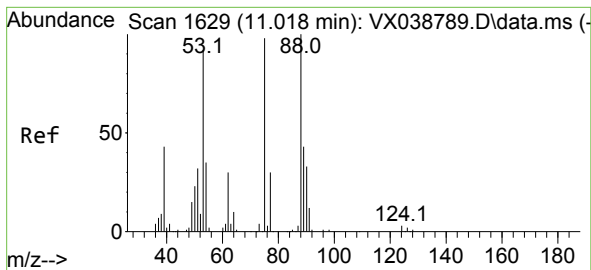
Tgt Ion: 75 Resp: 63334

Ion Ratio Lower Upper

75 100

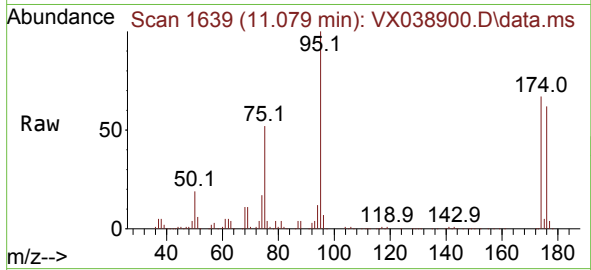
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.973 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038900.D
 Acq: 18 Nov 2023 01:39

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 63334
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

