

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039168.D
 Acq On : 12 Dec 2023 16:11
 Operator : JC/MD
 Sample : 05719-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 13 04:17:47 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	5.555	168	110453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	227079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115039	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96420	54.175	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.360%
35) Dibromofluoromethane	5.385	113	74776	45.595	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	8.646	98	281157	44.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.620%#
62) 4-Bromofluorobenzene	11.079	95	126697	50.440	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.880%

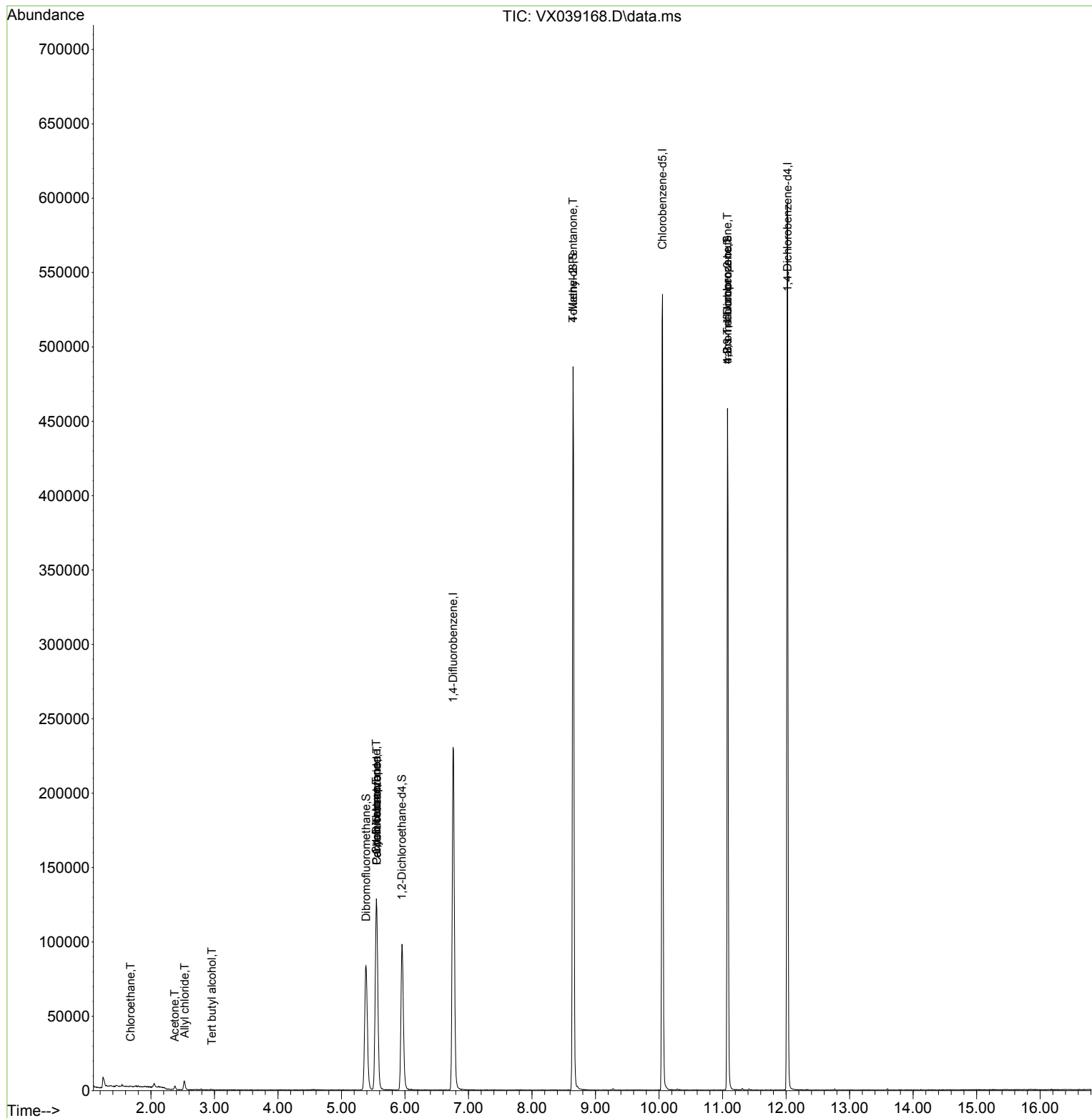
Target Compounds					Qvalue	
6) Chloroethane	1.678	64	290	0.314	ug/l #	43
11) Tert butyl alcohol	2.958	59	148	0.299	ug/l #	78
14) Allyl chloride	2.532	41	753	0.273	ug/l #	83
16) Acetone	2.373	43	2368	2.499	ug/l #	87
31) Cyclohexane	5.549	56	3159	1.243	ug/l #	30
36) 1,1-Dichloropropene	5.549	75	10977	4.670	ug/l #	51
38) Carbon Tetrachloride	5.555	117	12970	5.970	ug/l #	15
51) 4-Methyl-2-Pentanone	8.646	43	1554	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	69090	24.071	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69090	53.393	ug/l #	5

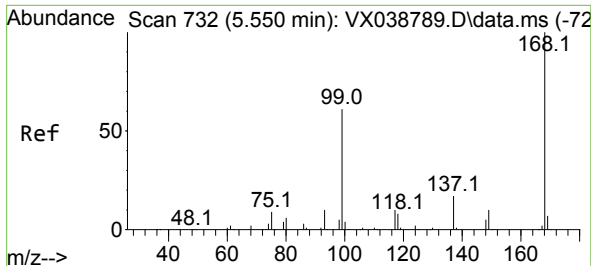
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

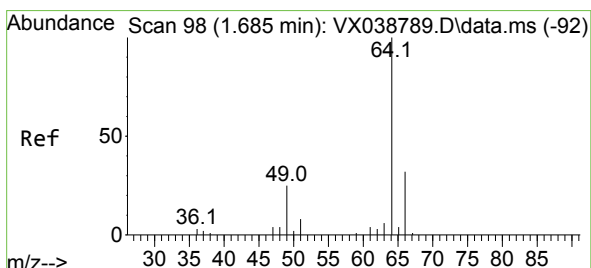
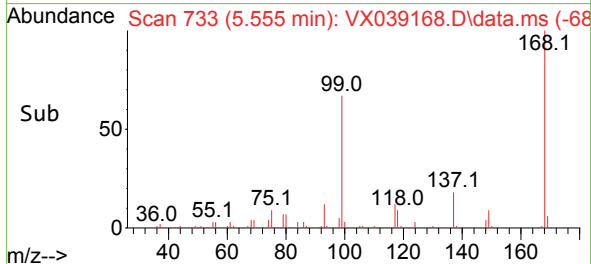
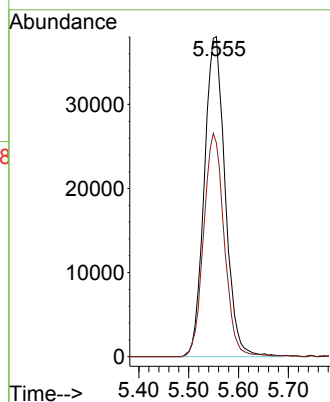
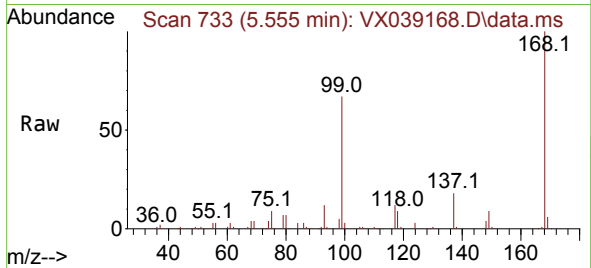




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

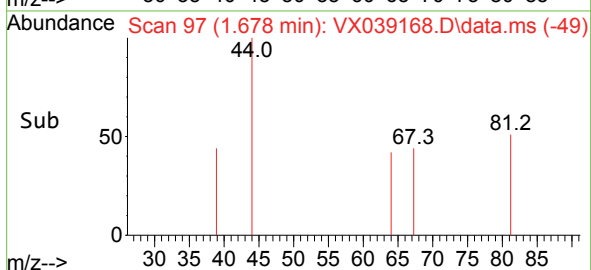
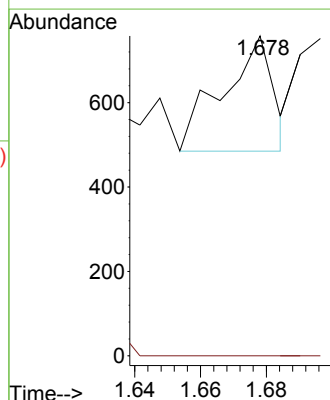
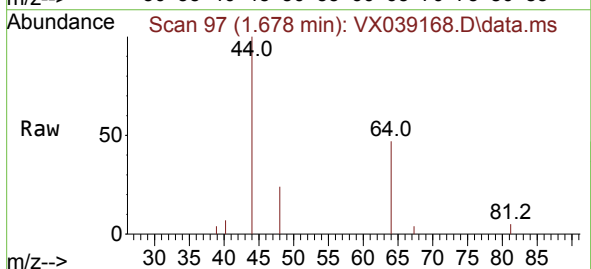
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 110453
Ion Ratio Lower Upper
168 100
99 66.8 56.6 85.0



#6
Chloroethane
Concen: 0.314 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.299 ug/l

RT: 2.958 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_X

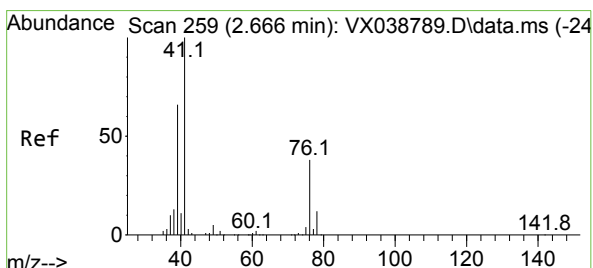
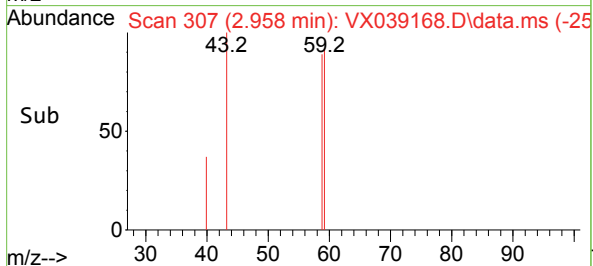
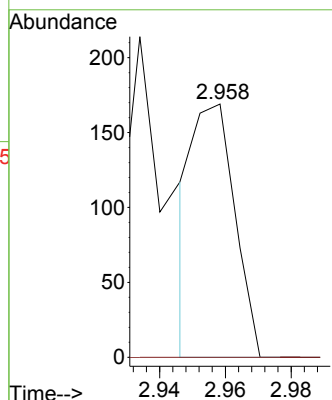
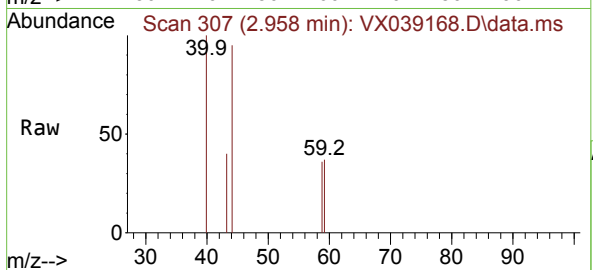
ClientSampleId :

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.273 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

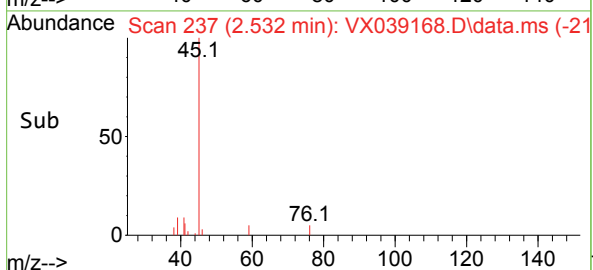
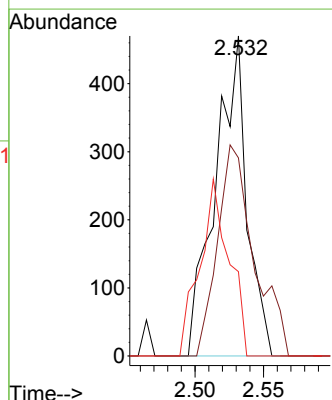
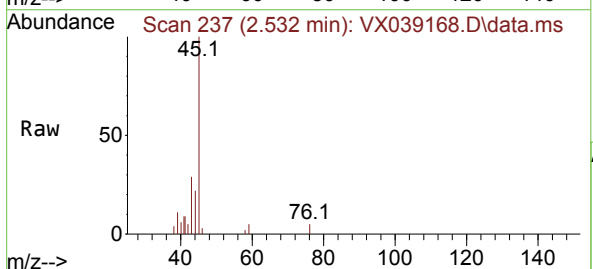
Tgt Ion: 41 Resp: 753

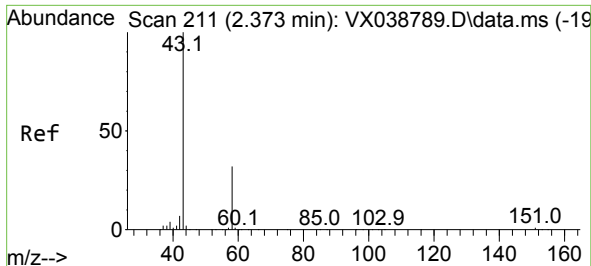
Ion Ratio Lower Upper

41 100

39 76.4 55.8 83.6

76 51.1 24.3 36.5#

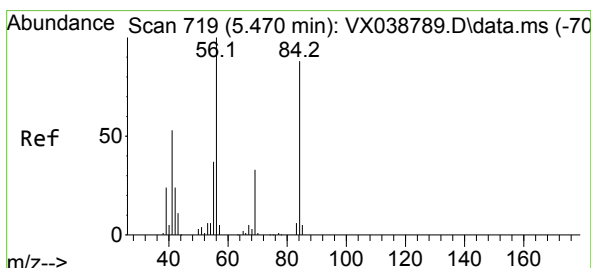
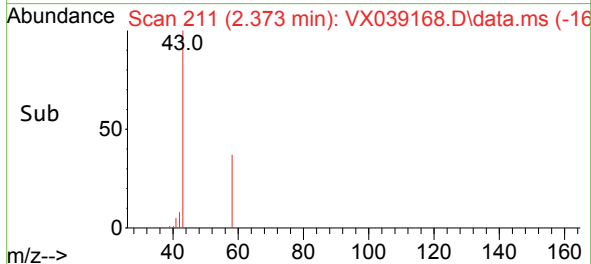
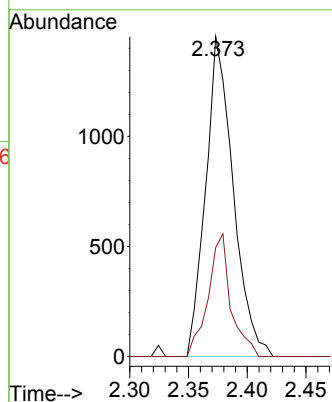
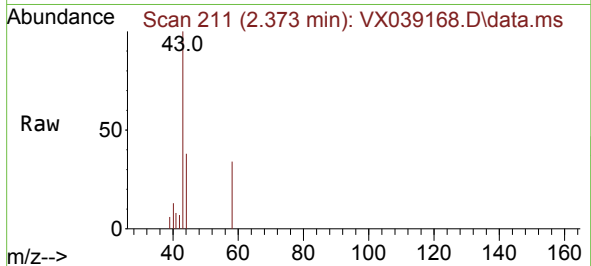




#16
Acetone
Concen: 2.499 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

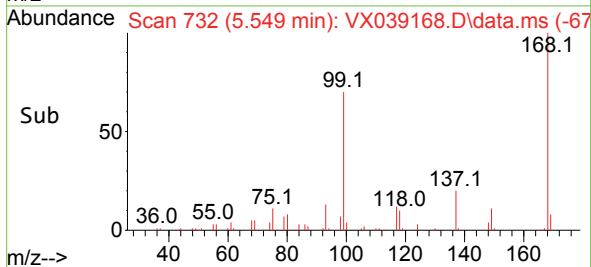
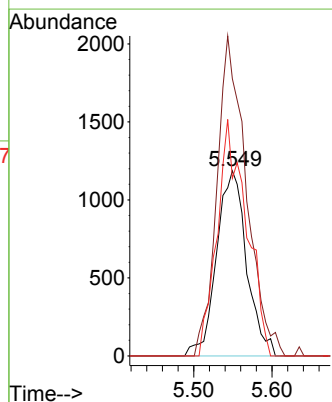
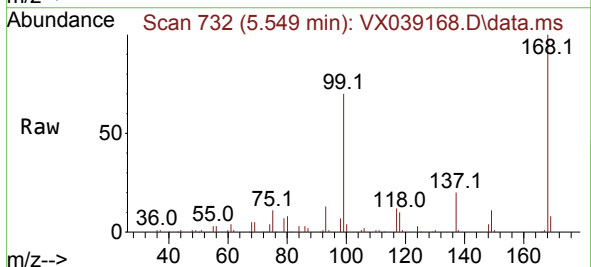
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
58 34.1 21.9 32.9#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 56 Resp: 3159
Ion Ratio Lower Upper
56 100
69 149.8 23.4 35.2#
84 96.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 54.175 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_X

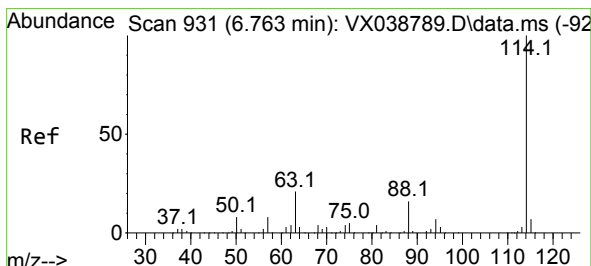
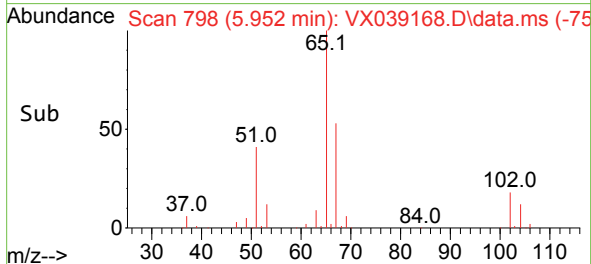
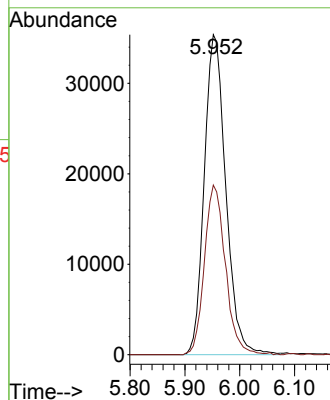
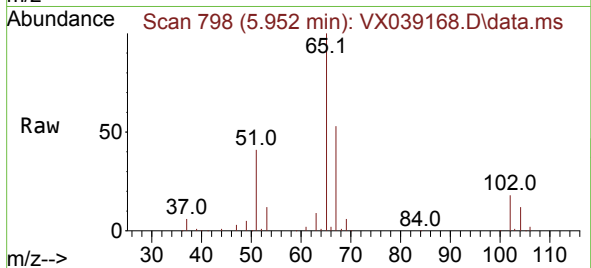
ClientSampleId :

Tgt Ion: 65 Resp: 96420

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

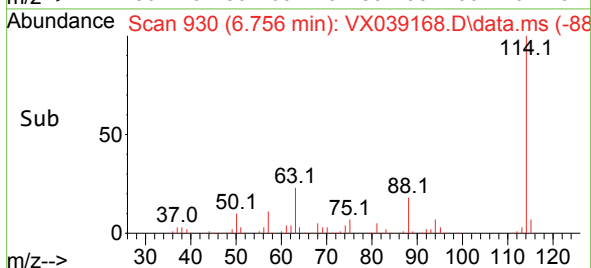
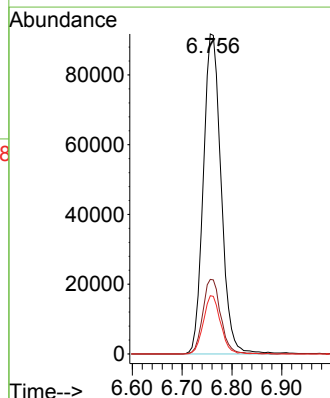
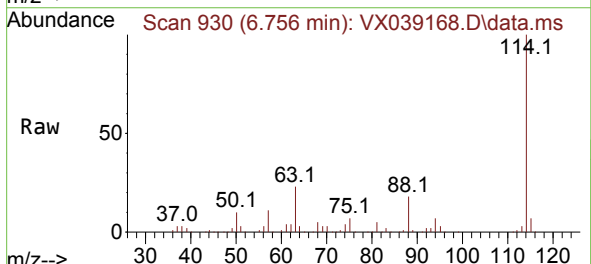
Tgt Ion: 114 Resp: 227079

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 18.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.595 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

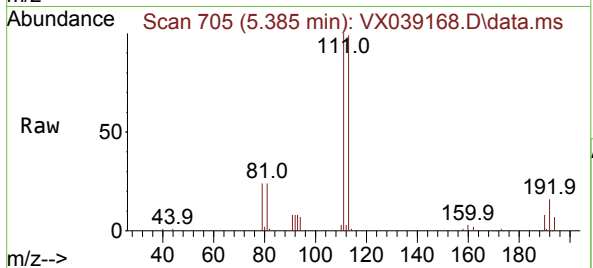
Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :



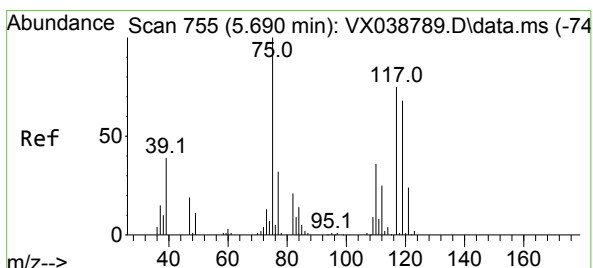
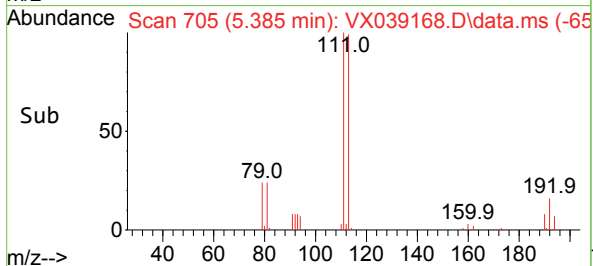
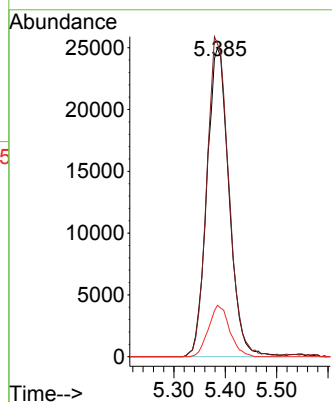
Tgt Ion:113 Resp: 74776

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 15.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

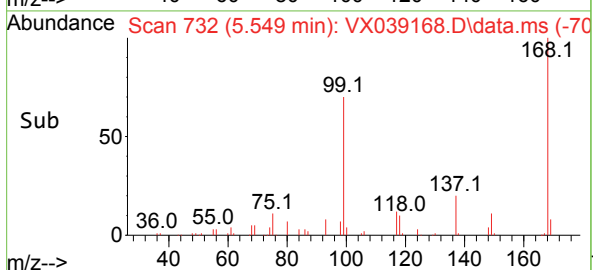
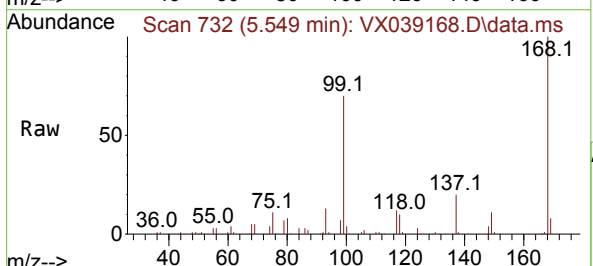
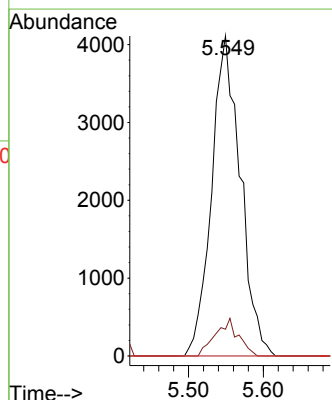
Tgt Ion: 75 Resp: 10977

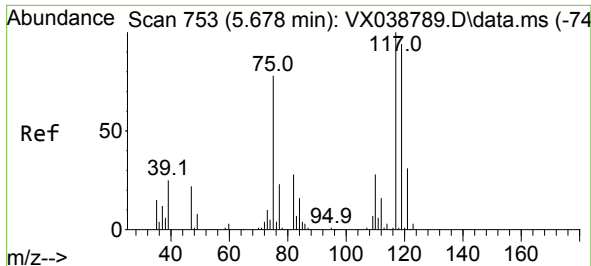
Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

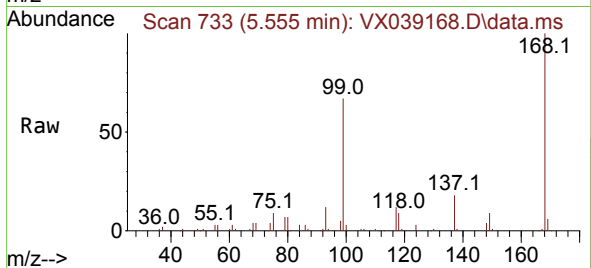
77 0.0 24.7 37.1#



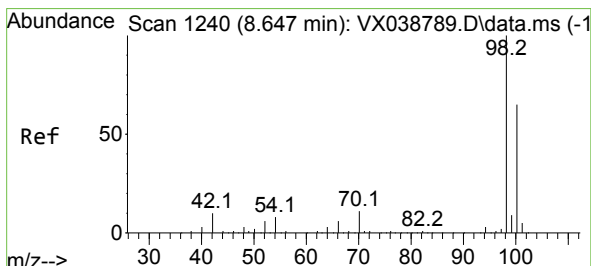
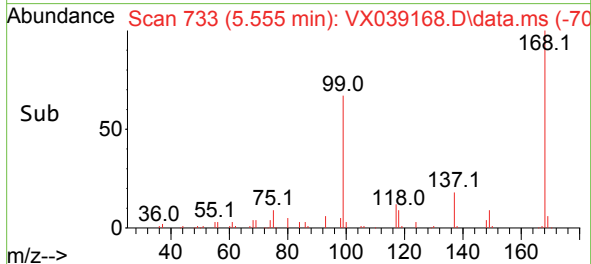
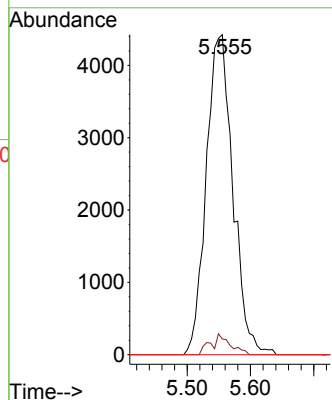


#38
Carbon Tetrachloride
Concen: 5.970 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Instrument :
MSVOA_X
ClientSampleId :

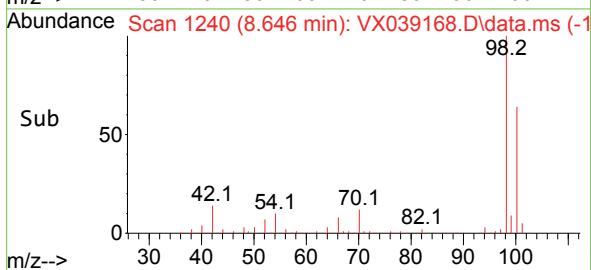
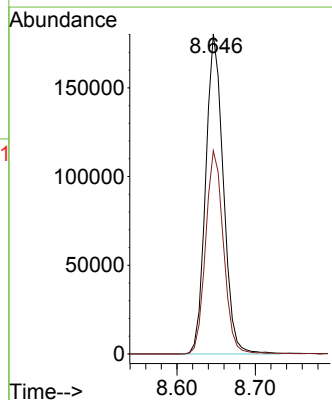
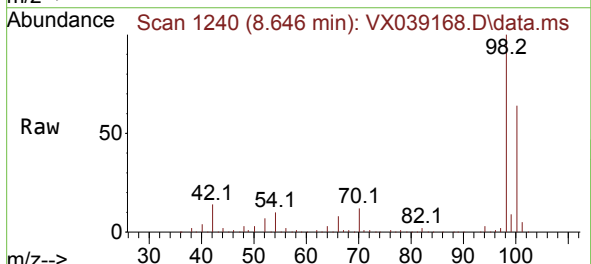


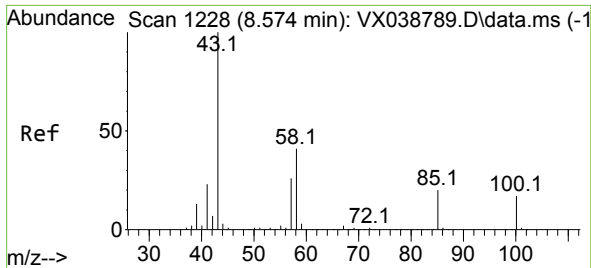
Tgt Ion:117 Resp: 12970
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.807 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 98 Resp: 281157
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7

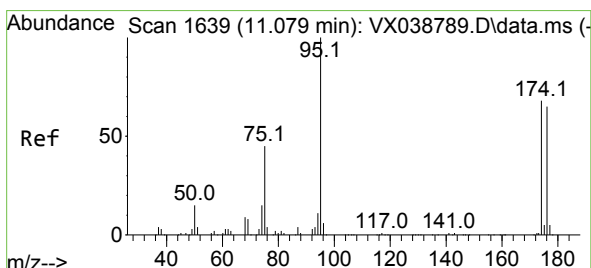
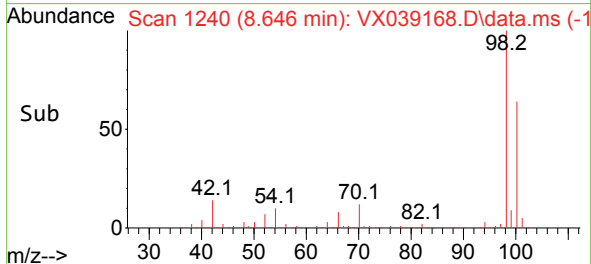
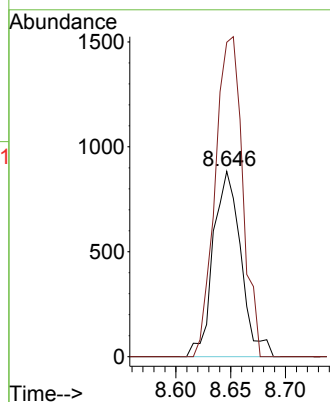
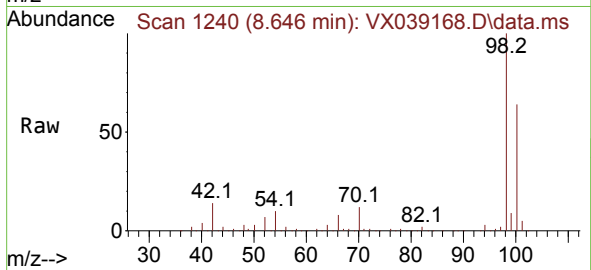




#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

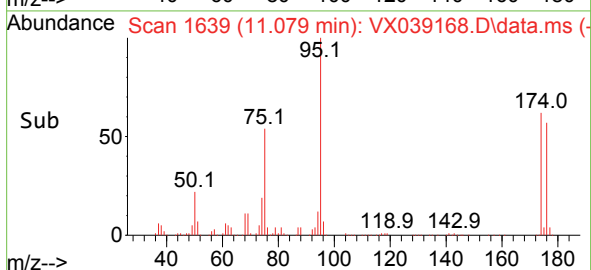
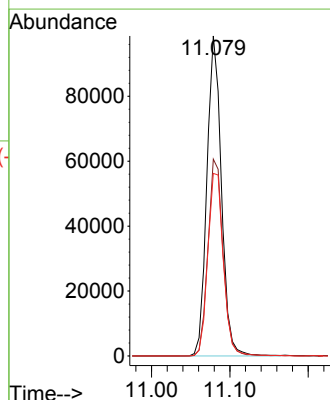
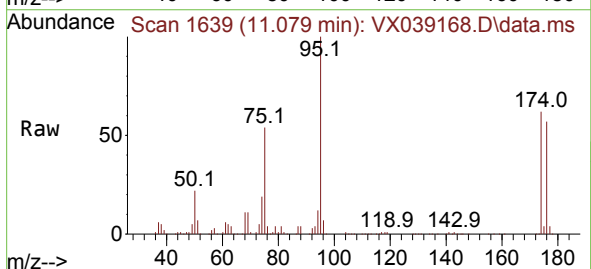
Instrument :
MSVOA_X
ClientSampleId :

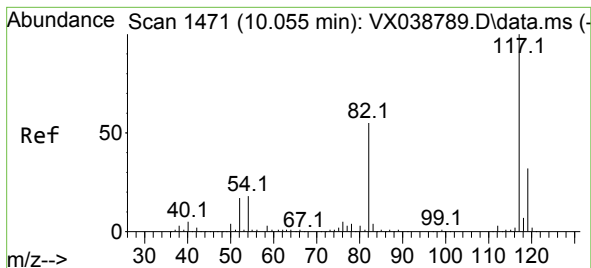
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 170.5 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 50.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Tgt Ion: 95 Resp: 126697
Ion Ratio Lower Upper
95 100
174 64.0 0.0 135.6
176 61.1 0.0 131.0

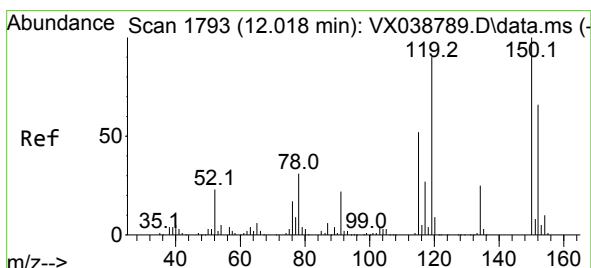
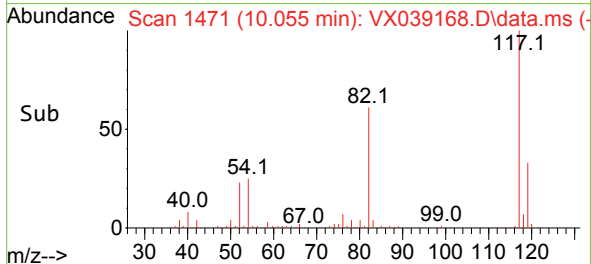
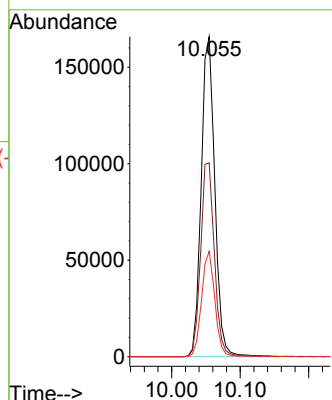
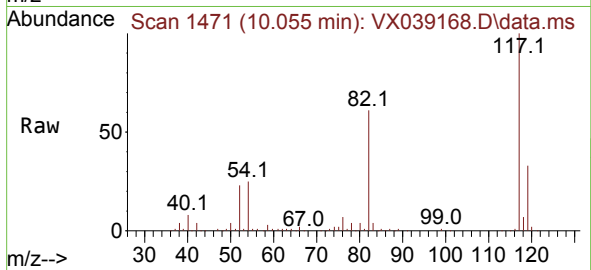




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

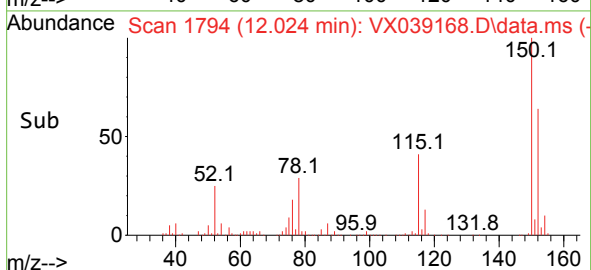
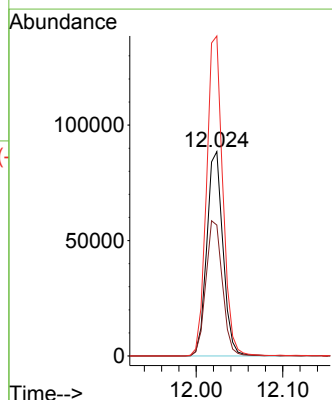
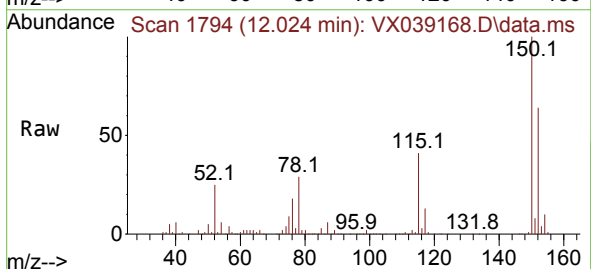
Instrument :
MSVOA_X
ClientSampleId :

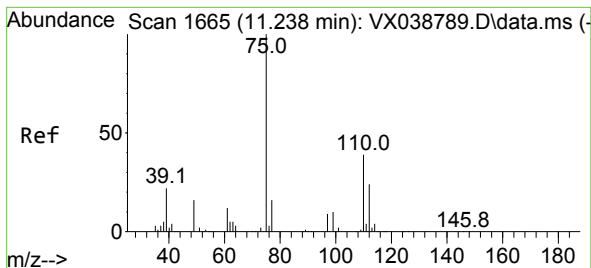
Tgt Ion:117 Resp: 229228
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039168.D
Acq: 12 Dec 2023 16:11

Tgt Ion:152 Resp: 115039
Ion Ratio Lower Upper
152 100
115 67.5 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.071 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

Instrument :

MSVOA_X

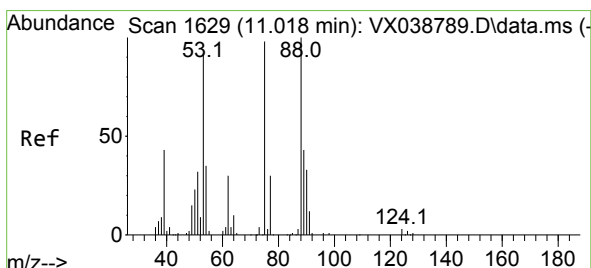
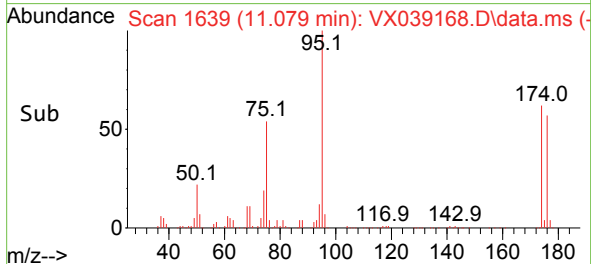
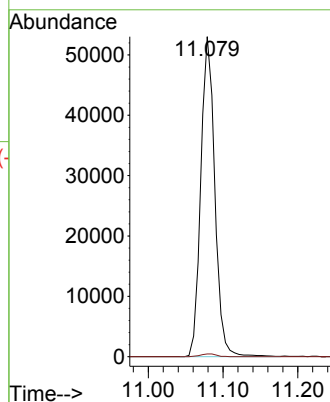
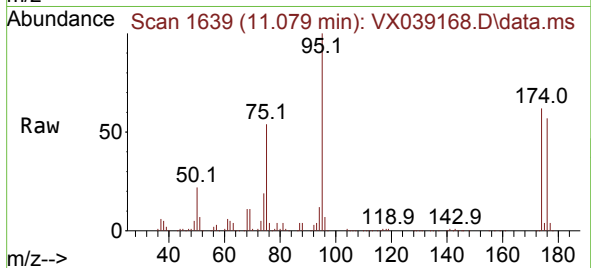
ClientSampleId :

Tgt Ion: 75 Resp: 69090

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.393 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039168.D

Acq: 12 Dec 2023 16:11

Tgt Ion: 75 Resp: 69090

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

