

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039169.D
 Acq On : 12 Dec 2023 16:34
 Operator : JC/MD
 Sample : 05719-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 13 04:18:07 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	5.550	168	110750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229032	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97475	54.621	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.240%
35) Dibromofluoromethane	5.385	113	74392	44.974	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.940%
50) Toluene-d8	8.647	98	288394	45.569	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.140%#
62) 4-Bromofluorobenzene	11.079	95	132091	52.139	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.280%

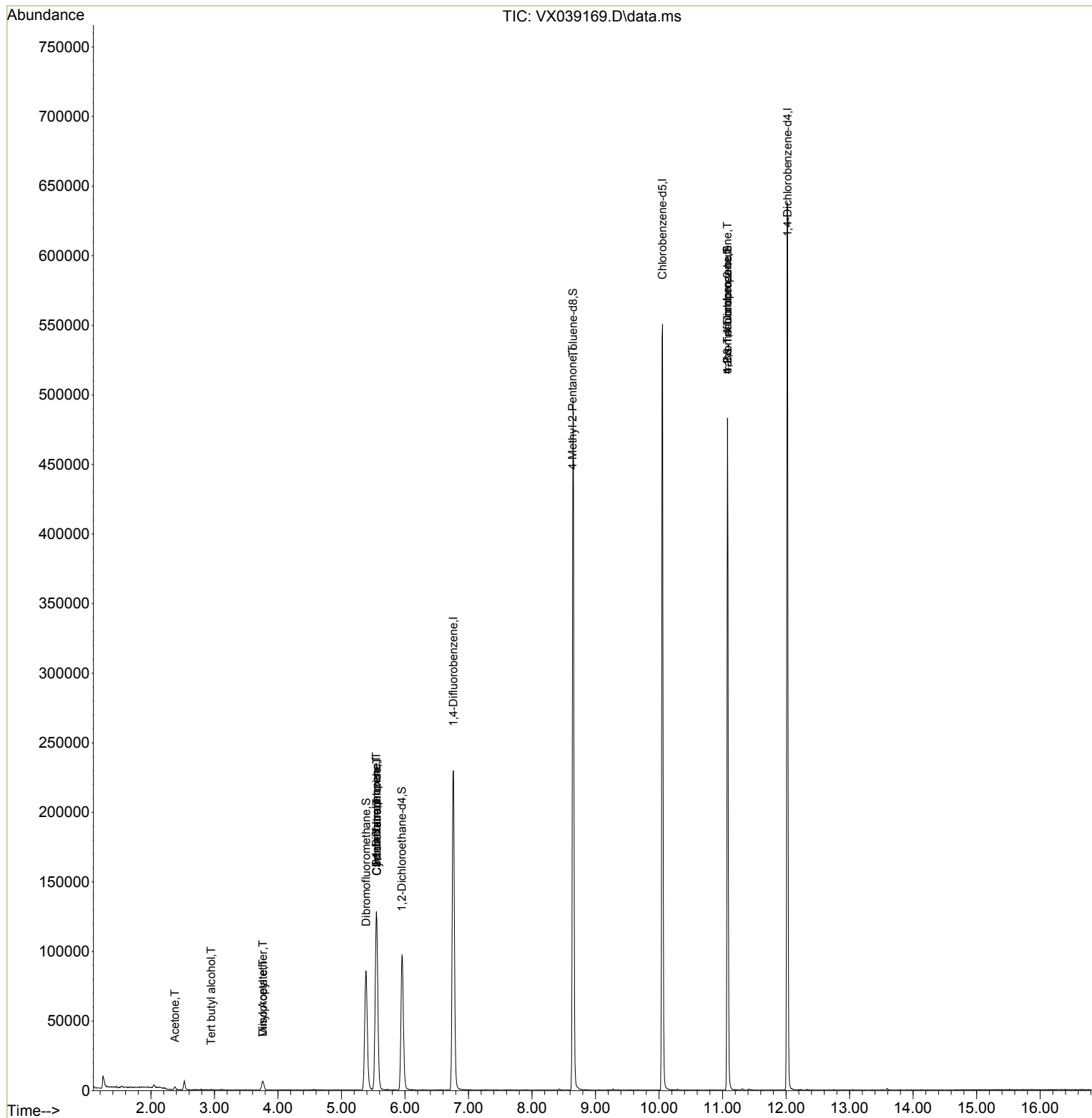
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	451	0.909	ug/l #	78
16) Acetone	2.380	43	2317	2.439	ug/l #	89
22) Diisopropyl ether	3.764	45	7144	1.409	ug/l #	71
23) Vinyl Acetate	3.764	43	3762	1.030	ug/l #	73
31) Cyclohexane	5.556	56	3110	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11154	4.705	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12673	5.784	ug/l #	14
51) 4-Methyl-2-Pentanone	8.641	43	1582	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	72189	23.710	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72189	52.592	ug/l #	5

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

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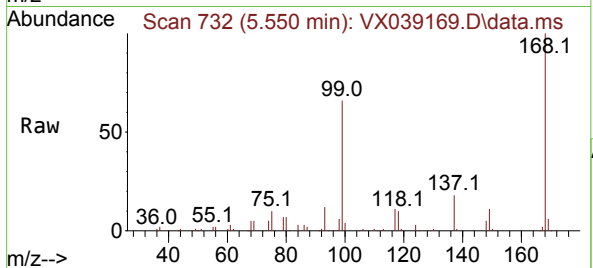
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



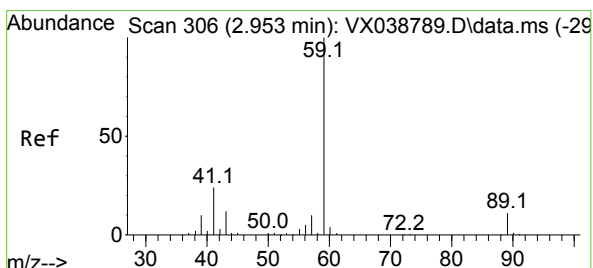
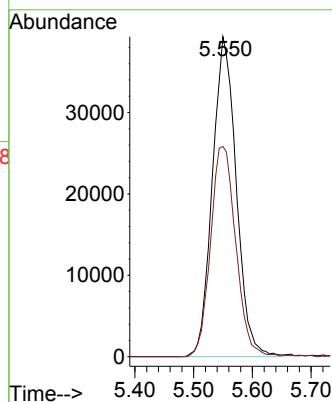
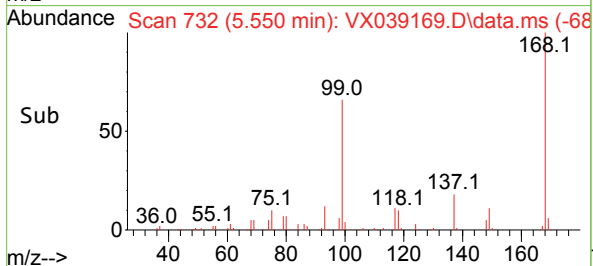


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Instrument :
MSVOA_X
ClientSampleId :

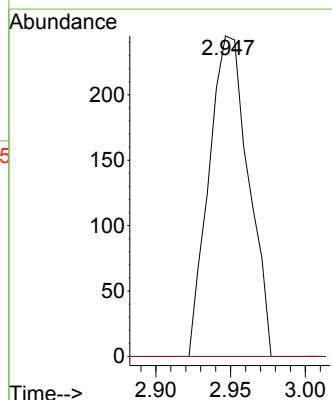
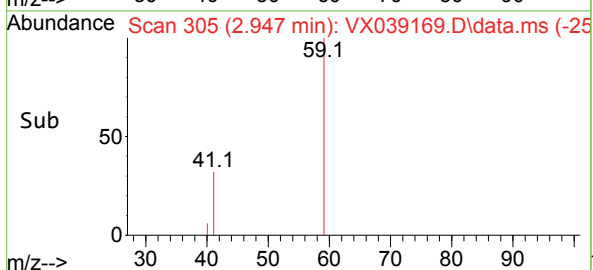
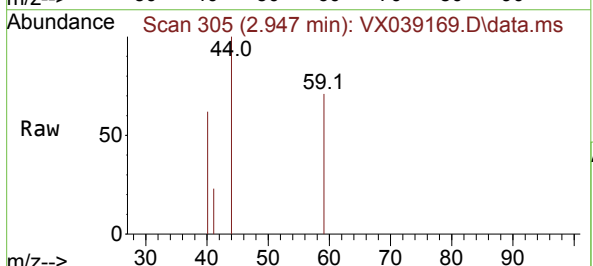


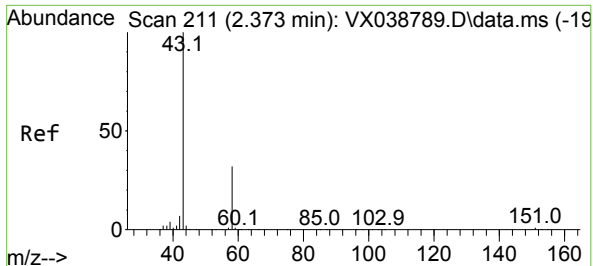
Tgt Ion:168 Resp: 110750
Ion Ratio Lower Upper
168 100
99 65.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.909 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

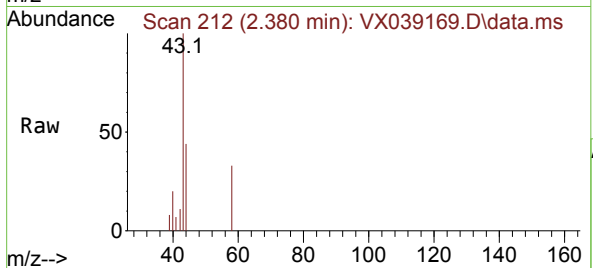
Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



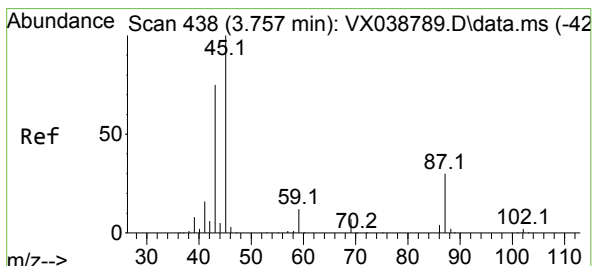
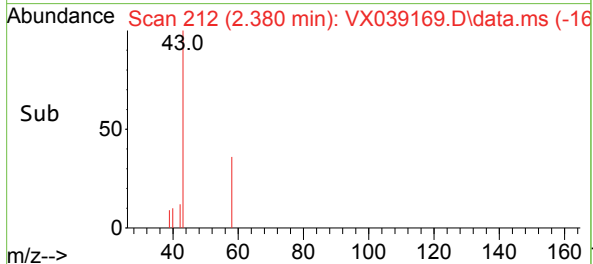
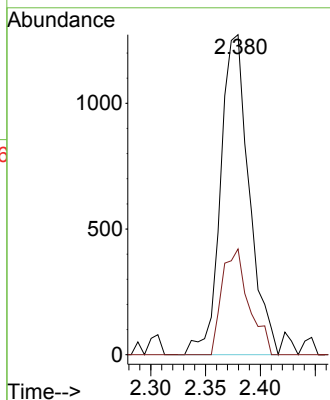


#16
Acetone
Concen: 2.439 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Instrument :
MSVOA_X
ClientSampleId :

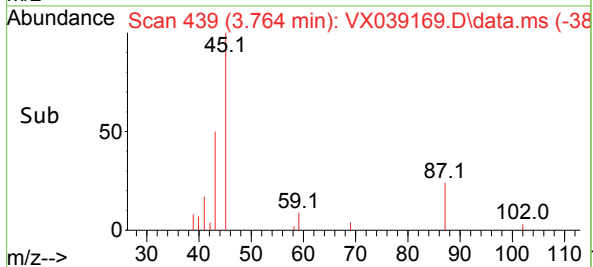
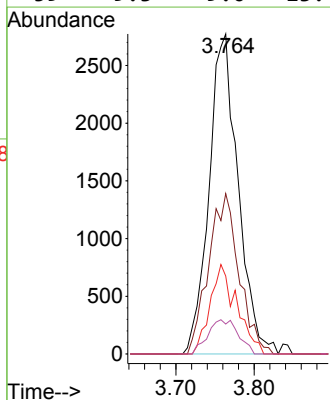
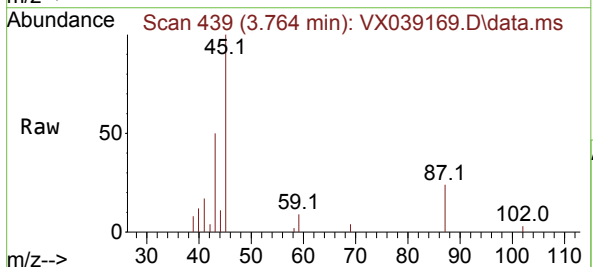


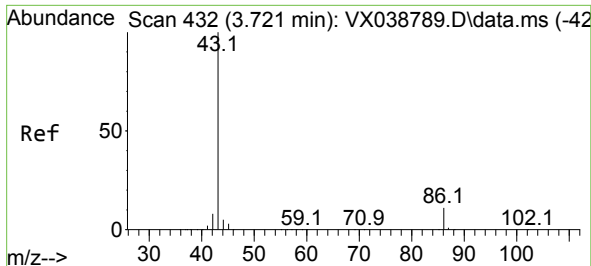
Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
58 33.1 21.9 32.9#



#22
Diisopropyl ether
Concen: 1.409 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Tgt Ion: 45 Resp: 7144
Ion Ratio Lower Upper
45 100
43 50.1 69.7 104.5#
87 24.3 20.8 31.2
59 9.3 9.0 13.4

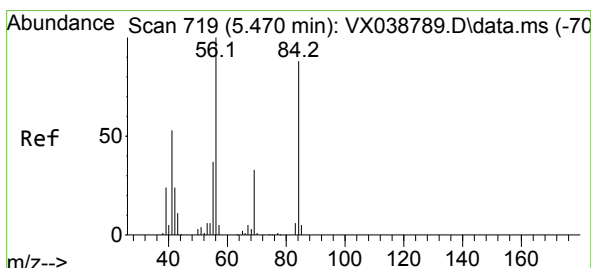
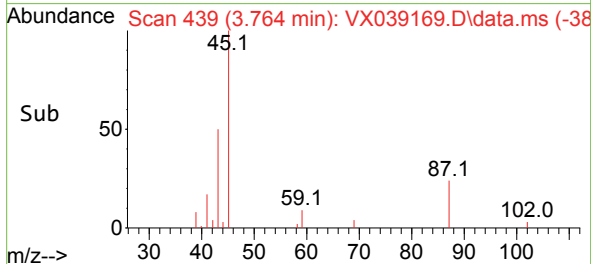
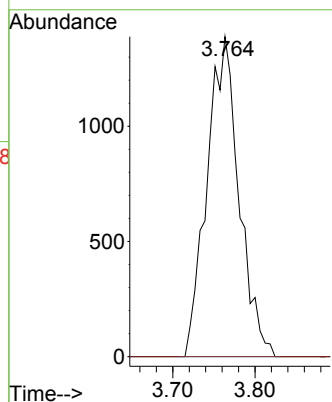
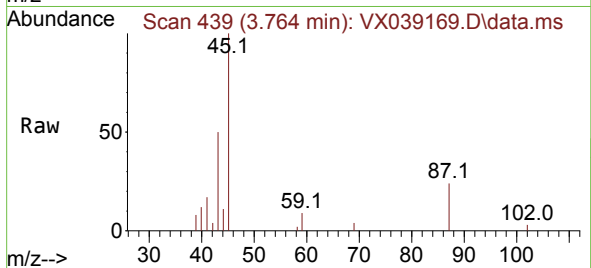




#23
 Vinyl Acetate
 Concen: 1.030 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX039169.D
 Acq: 12 Dec 2023 16:34

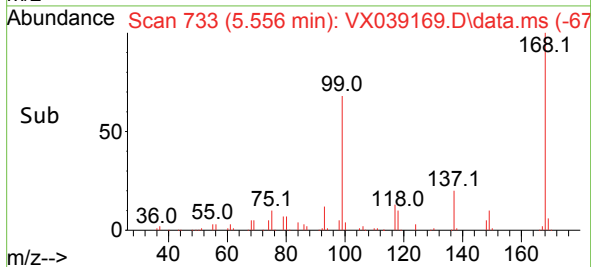
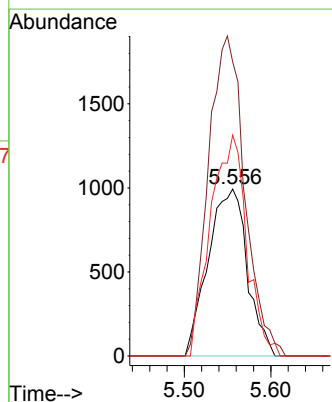
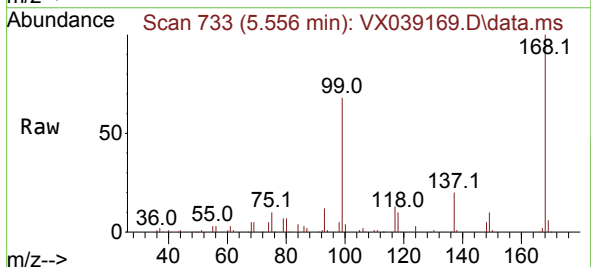
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 43 Resp: 3762
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#31
 Cyclohexane
 Concen: 1.221 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.085 min
 Lab File: VX039169.D
 Acq: 12 Dec 2023 16:34

Tgt Ion: 56 Resp: 3110
 Ion Ratio Lower Upper
 56 100
 69 176.2 23.4 35.2#
 84 132.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 54.621 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039169.D

Acq: 12 Dec 2023 16:34

Instrument :

MSVOA_X

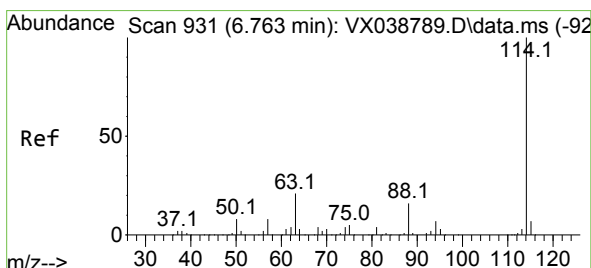
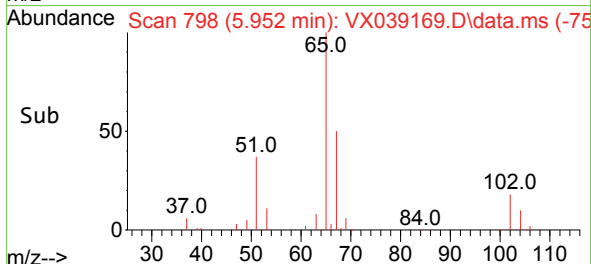
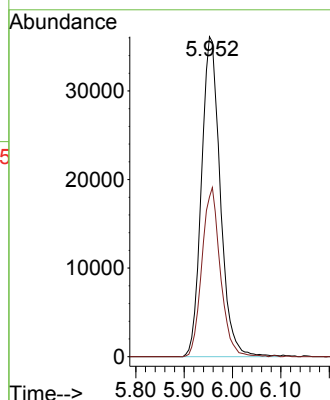
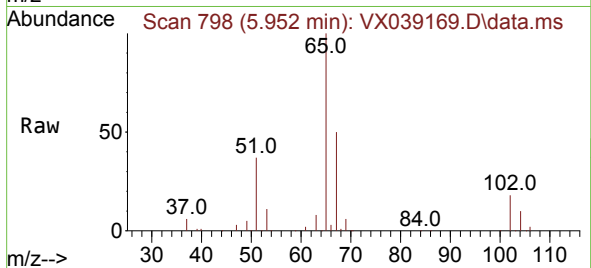
ClientSampleId :

Tgt Ion: 65 Resp: 97475

Ion Ratio Lower Upper

65 100

67 51.8 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: VX039169.D

Acq: 12 Dec 2023 16:34

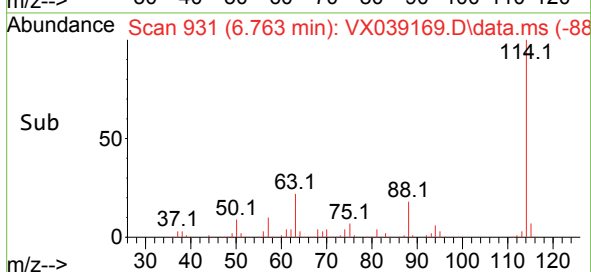
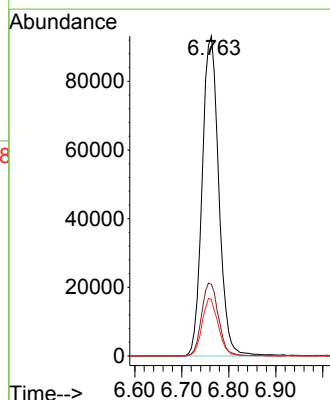
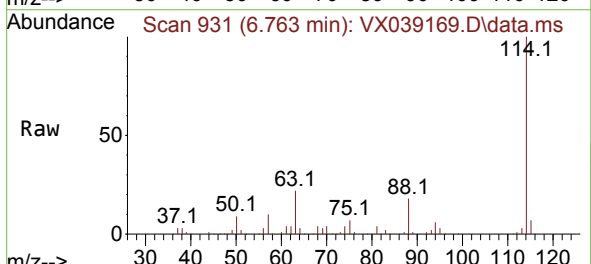
Tgt Ion:114 Resp: 229032

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

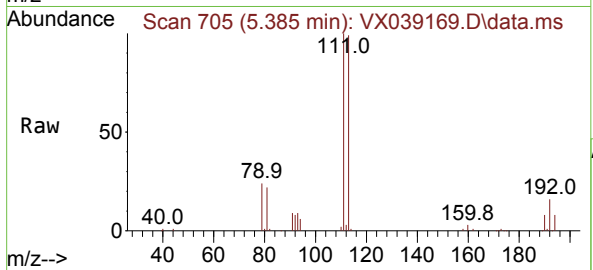
88 17.6 0.0 36.6



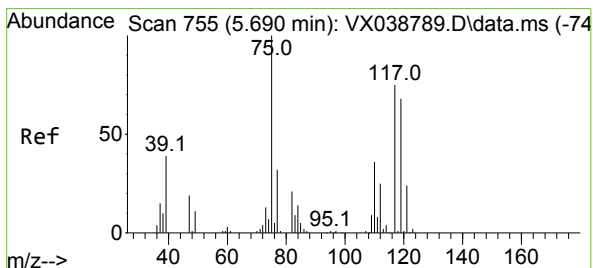
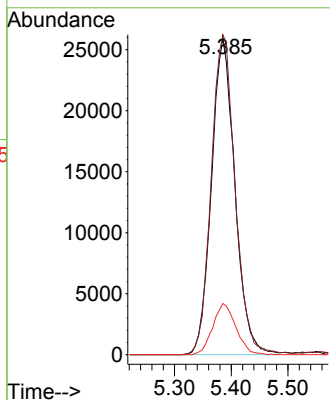
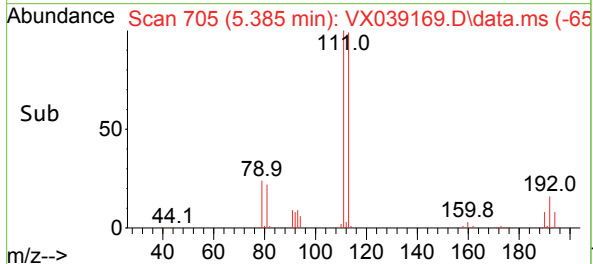


#35
Dibromofluoromethane
Concen: 44.974 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Instrument :
MSVOA_X
ClientSampleId :

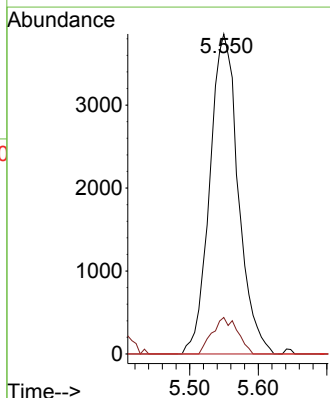
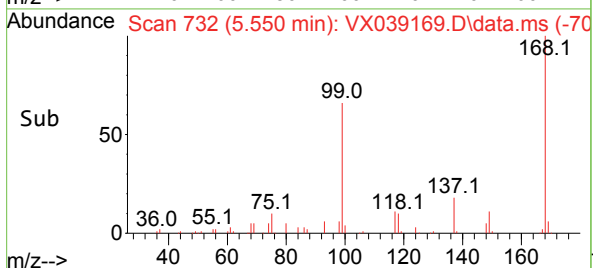
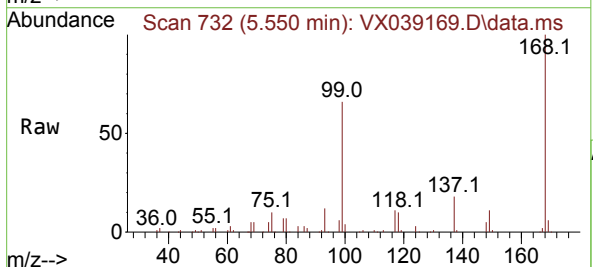


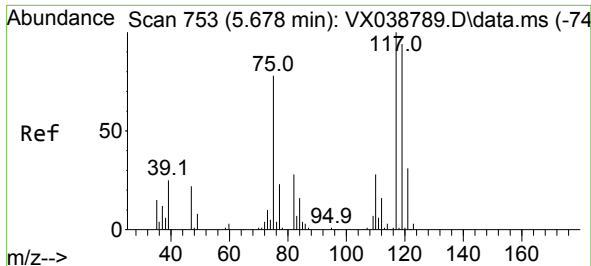
Tgt Ion:113 Resp: 74392
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 16.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

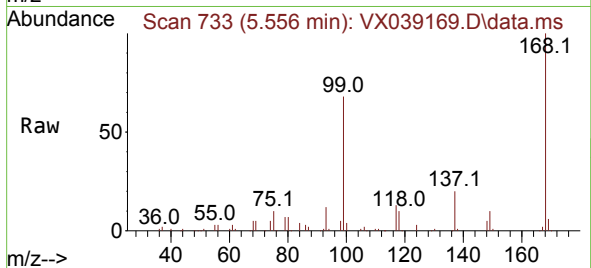
Tgt Ion: 75 Resp: 11154
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



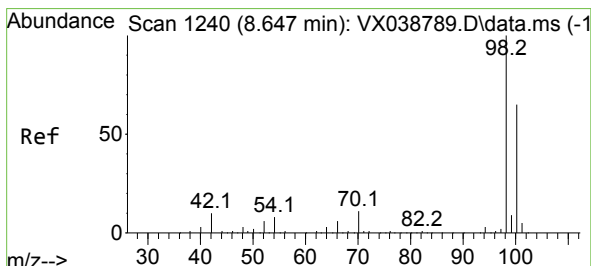
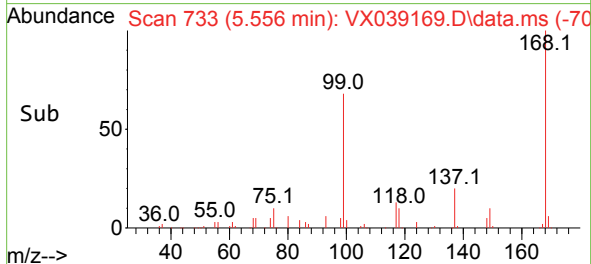
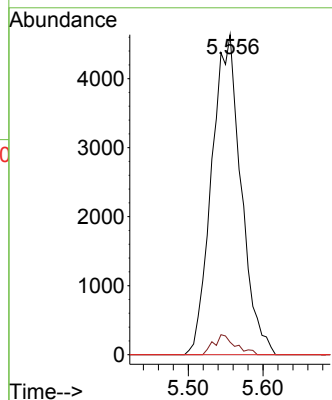


#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Instrument :
MSVOA_X
ClientSampleId :

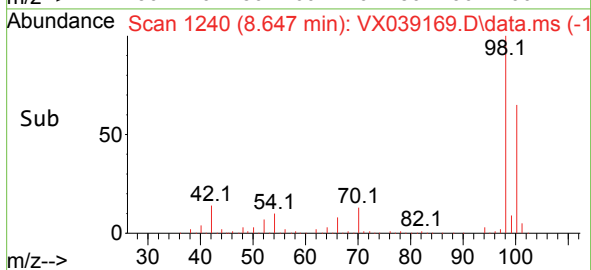
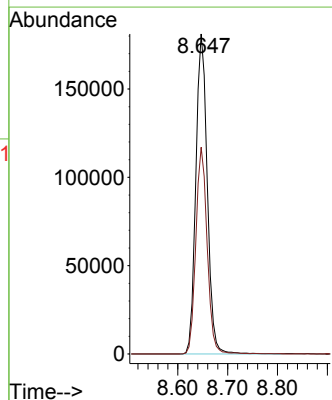
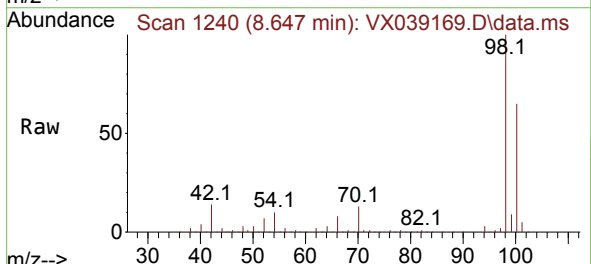


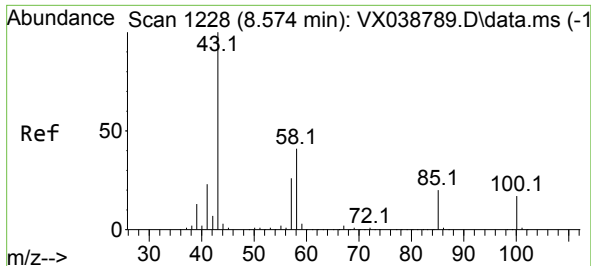
Tgt Ion:117 Resp: 12673
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.569 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Tgt Ion: 98 Resp: 288394
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.502 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX039169.D

Acq: 12 Dec 2023 16:34

Instrument :

MSVOA_X

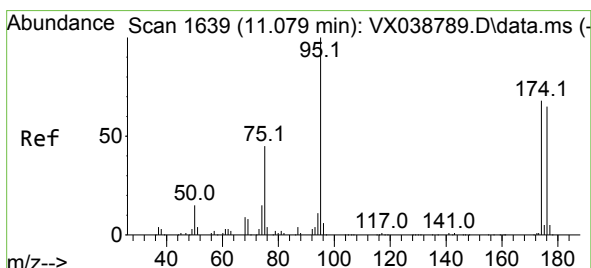
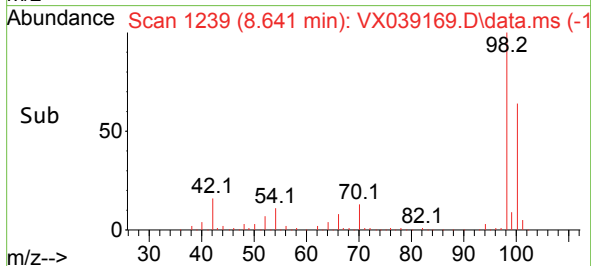
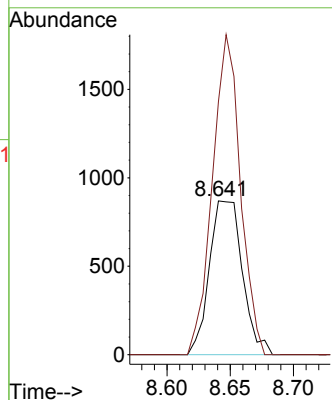
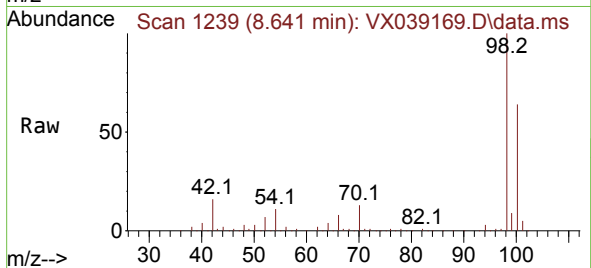
ClientSampleId :

Tgt Ion: 43 Resp: 1582

Ion Ratio Lower Upper

43 100

58 175.9 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 52.139 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039169.D

Acq: 12 Dec 2023 16:34

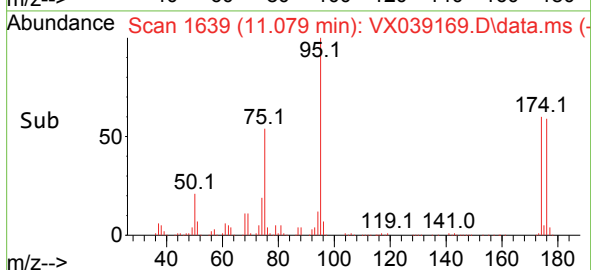
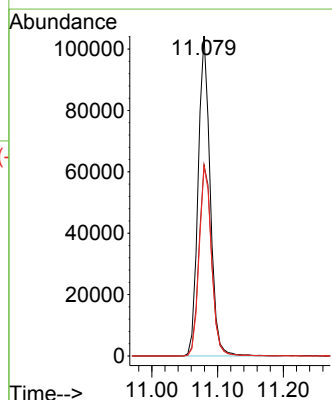
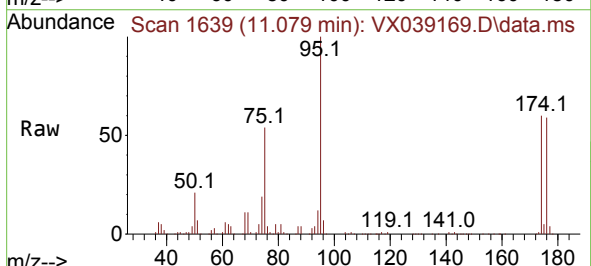
Tgt Ion: 95 Resp: 132091

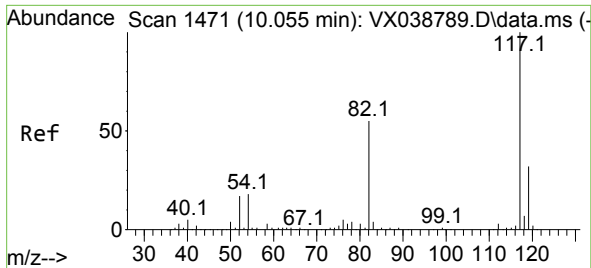
Ion Ratio Lower Upper

95 100

174 62.7 0.0 135.6

176 60.9 0.0 131.0

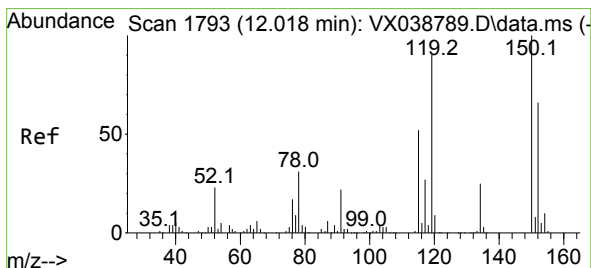
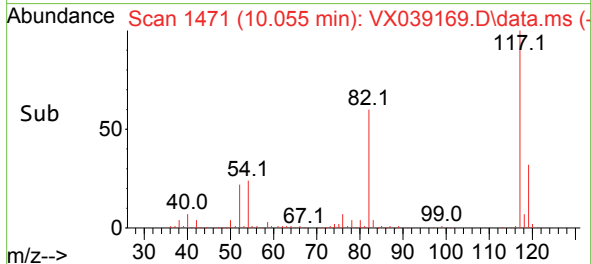
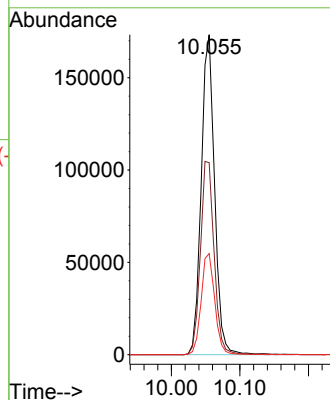
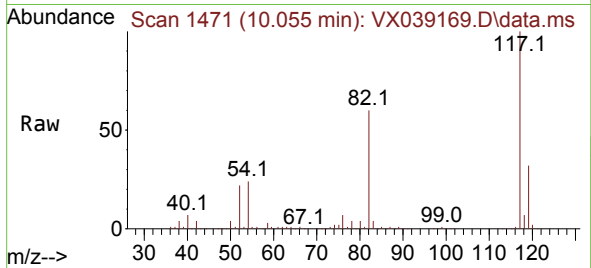




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

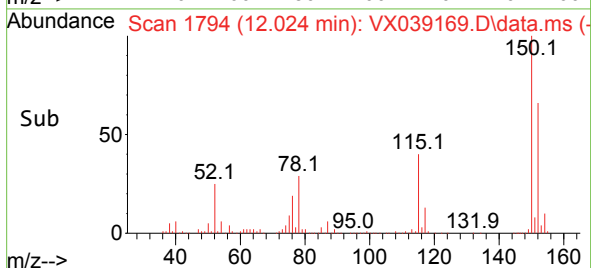
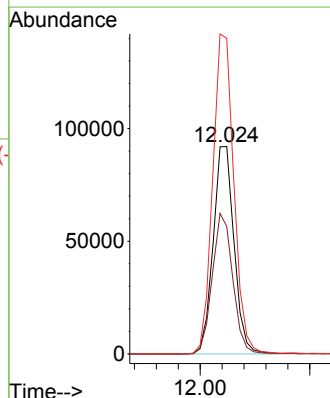
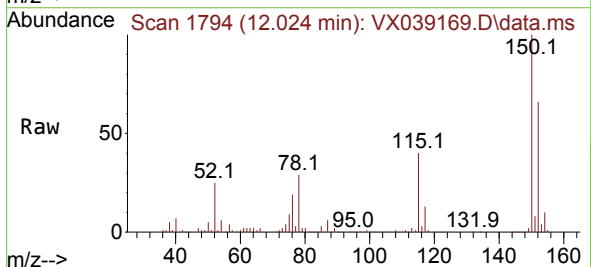
Instrument :
MSVOA_X
ClientSampleId :

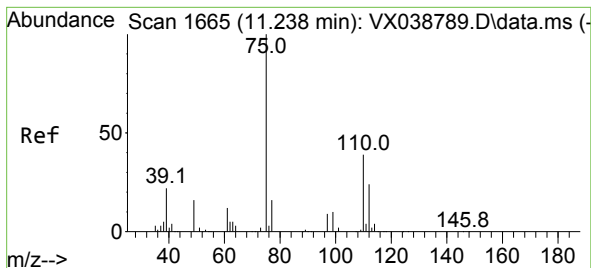
Tgt Ion:117 Resp: 235398
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.4
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039169.D
Acq: 12 Dec 2023 16:34

Tgt Ion:152 Resp: 122029
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 156.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.710 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039169.D

Acq: 12 Dec 2023 16:34

Instrument :

MSVOA_X

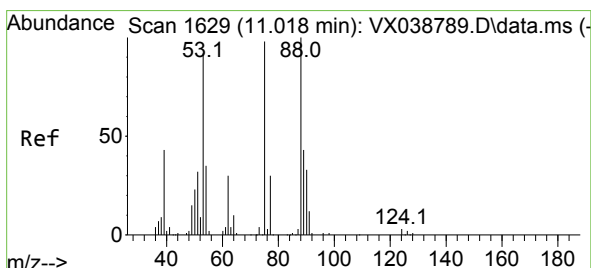
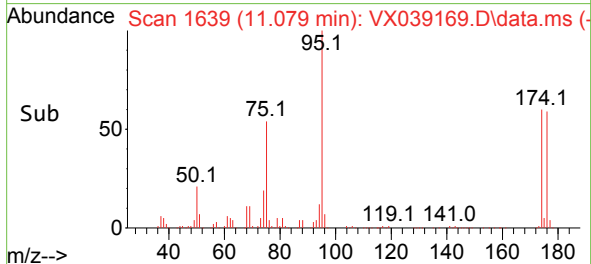
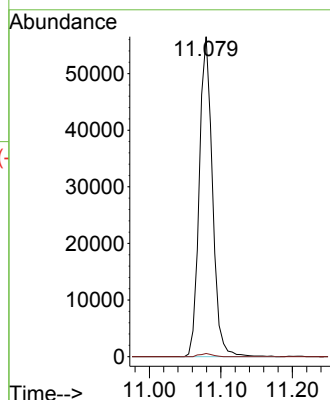
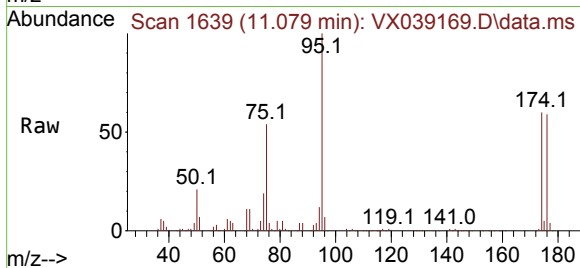
ClientSampleId :

Tgt Ion: 75 Resp: 72189

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.592 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039169.D

Acq: 12 Dec 2023 16:34

Tgt Ion: 75 Resp: 72189

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

