

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038168.D
 Acq On : 09 Oct 2023 13:51
 Operator : JC/MD
 Sample : 04810-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 00:55:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

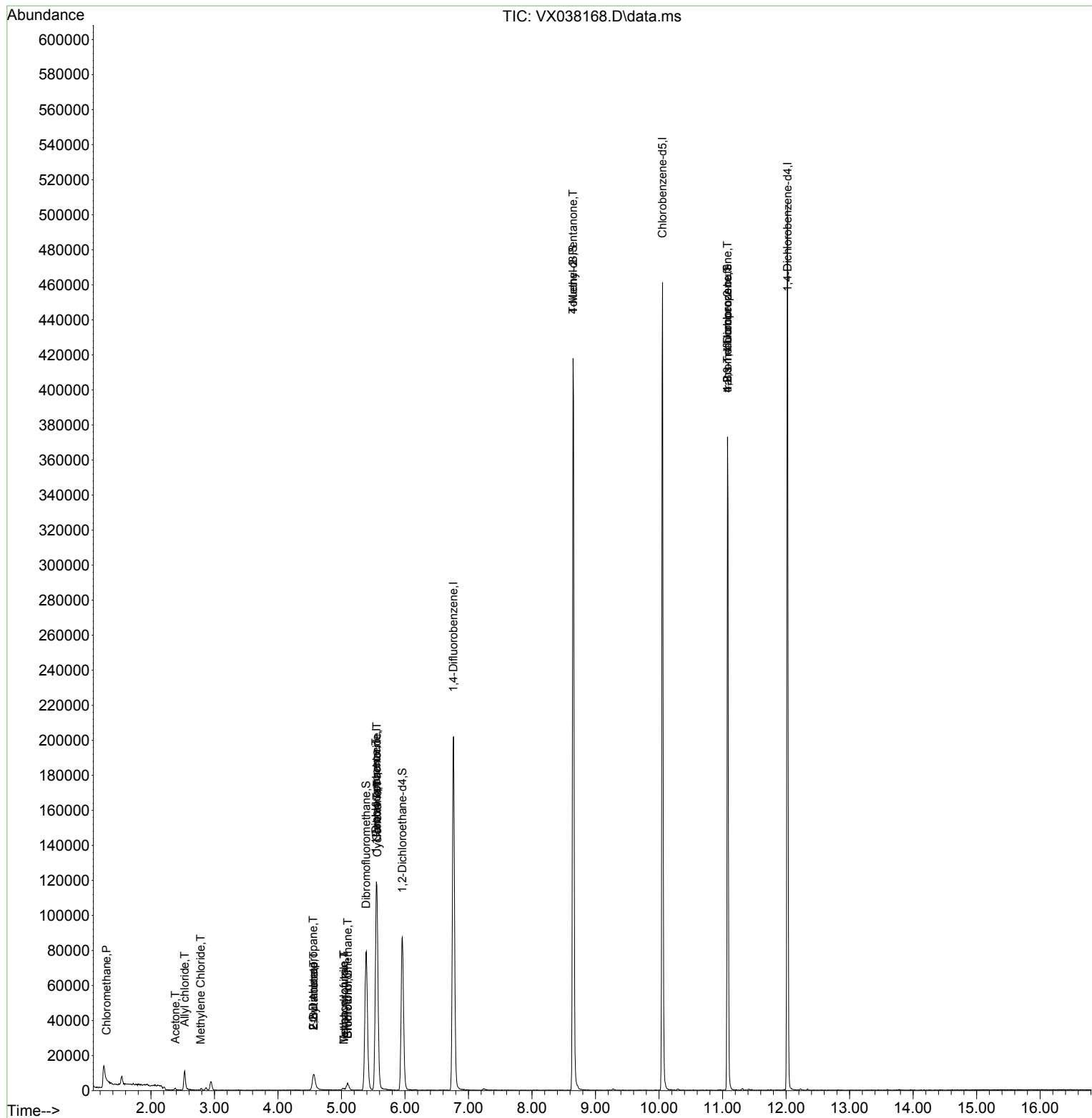
Internal Standards						
1) Pentafluorobenzene	5.550	168	113097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84992	46.722	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.440%
35) Dibromofluoromethane	5.385	113	67740	46.204	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.400%
50) Toluene-d8	8.647	98	254100	45.356	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.720%#
62) 4-Bromofluorobenzene	11.079	95	93677	44.106	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	271	0.244	ug/l #	43
5) Bromomethane	1.618	94	95	Below Cal	#	3
6) Chloroethane	1.672	64	504	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	2964	Below Cal	#	78
14) Allyl chloride	2.532	41	1162	0.628	ug/l #	73
16) Acetone	2.386	43	1184	1.560	ug/l #	88
20) Methylene Chloride	2.782	84	419	0.293	ug/l #	69
25) 2-Butanone	4.562	43	820	0.669	ug/l #	51
26) 2,2-Dichloropropane	4.556	77	739	0.402	ug/l #	54
28) Bromochloromethane	5.099	49	396	0.373	ug/l #	16
29) Tetrahydrofuran	5.044	42	737	0.924	ug/l #	62
30) Chloroform	5.099	83	4364	1.695	ug/l	100
31) Cyclohexane	5.562	56	2726	1.383	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	9947	4.920	ug/l #	49
37) Ethyl Acetate	4.562	43	820	0.342	ug/l #	37
38) Carbon Tetrachloride	5.556	117	11979	6.023	ug/l #	13
41) Methacrylonitrile	5.038	41	526	0.440	ug/l #	52
51) 4-Methyl-2-Pentanone	8.647	43	1109	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	53066	23.022	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53066	65.834	ug/l #	5

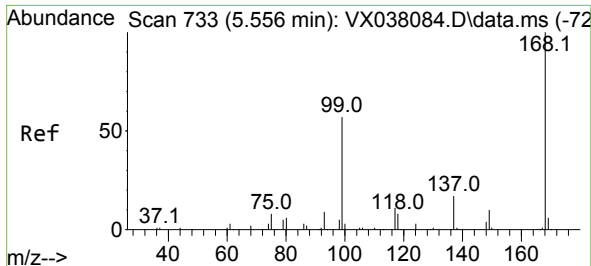
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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MSVOA_X
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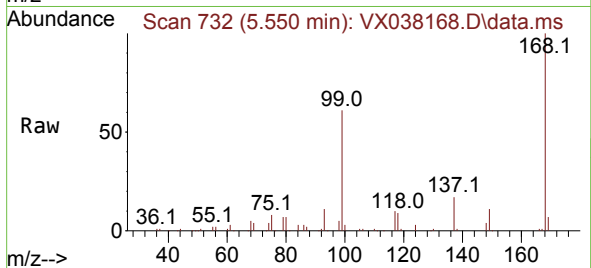
Quant Time: Oct 10 00:55:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



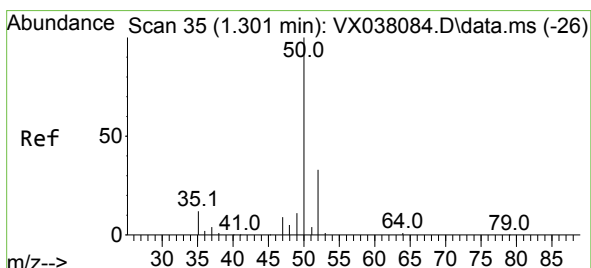
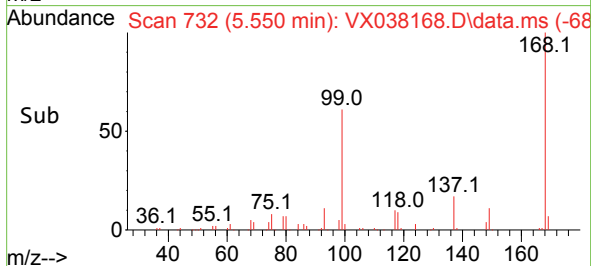
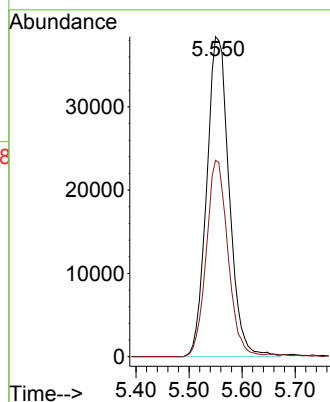


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Instrument :
MSVOA_X
ClientSampleId :

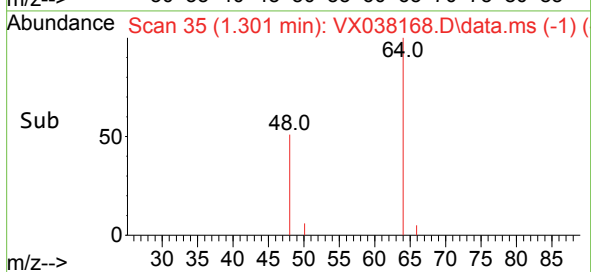
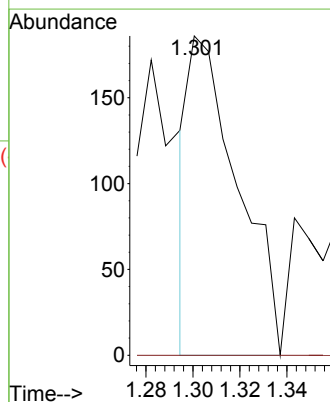
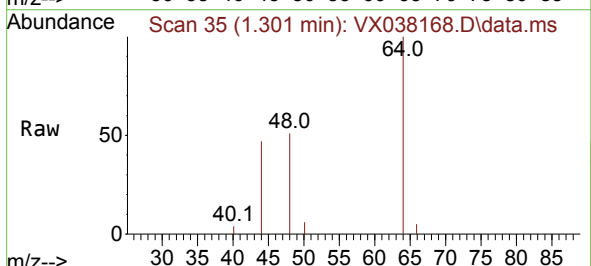


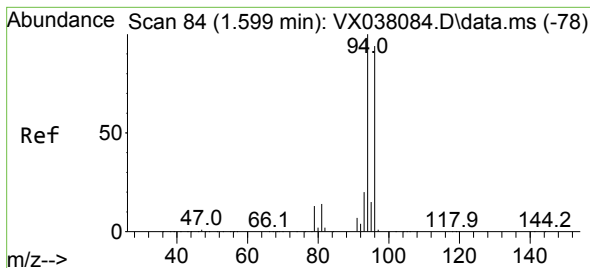
Tgt Ion:168 Resp: 113097
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Tgt Ion: 50 Resp: 271
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.019 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

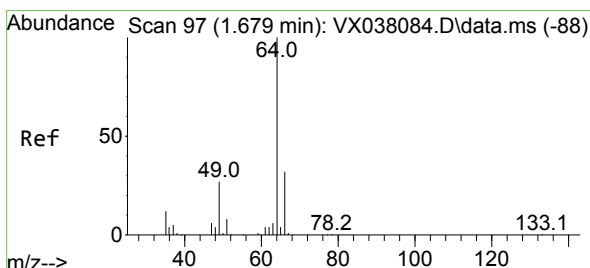
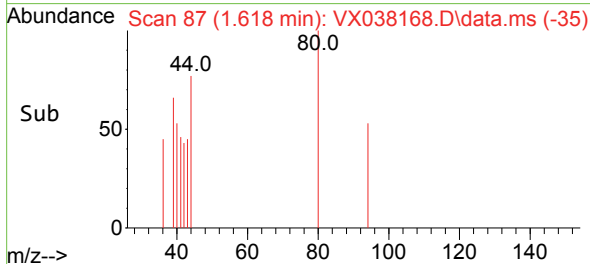
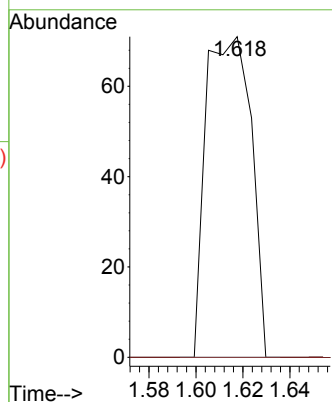
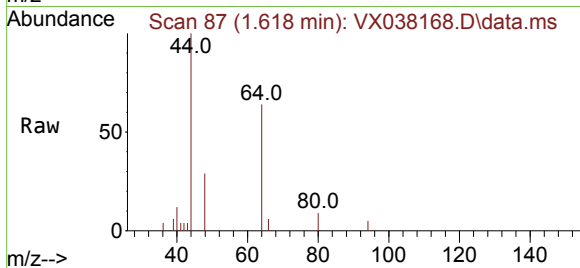
ClientSampleId :

Tgt Ion: 94 Resp: 95

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 96

Delta R.T. -0.007 min

Lab File: VX038168.D

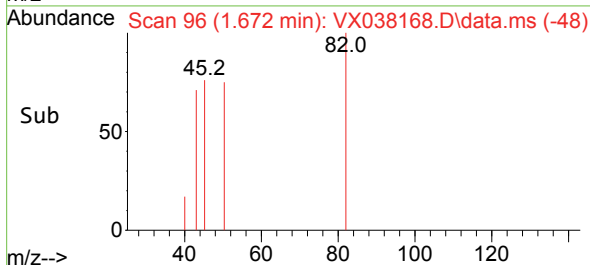
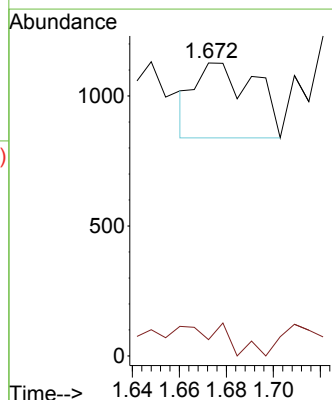
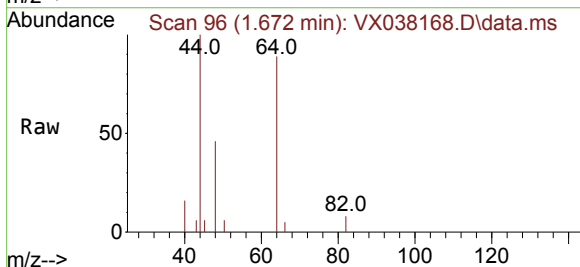
Acq: 09 Oct 2023 13:51

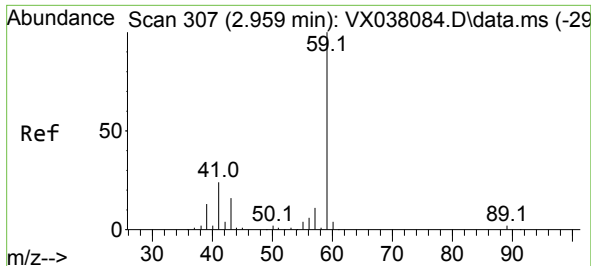
Tgt Ion: 64 Resp: 504

Ion Ratio Lower Upper

64 100

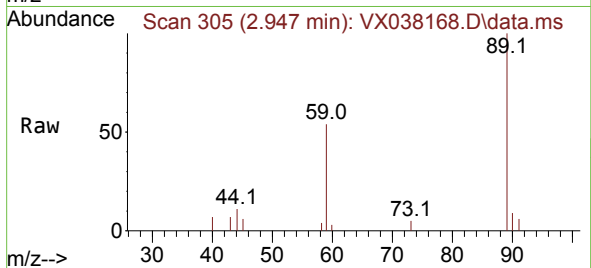
66 0.0 25.1 37.7#



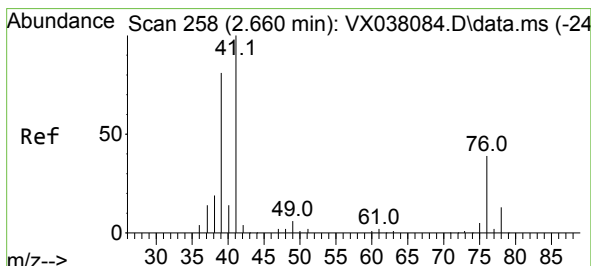
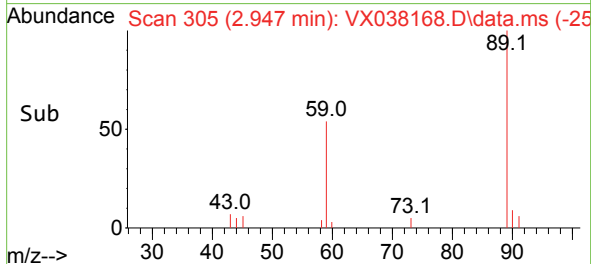
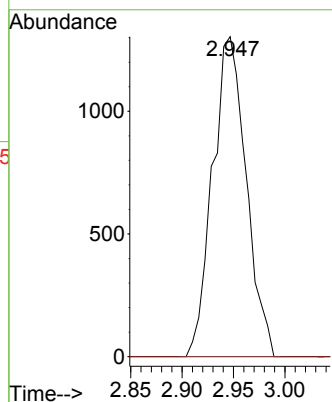


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Instrument :
MSVOA_X
ClientSampleId :

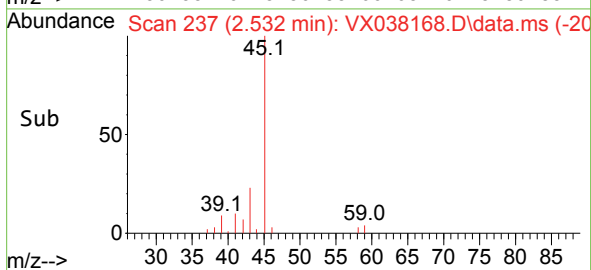
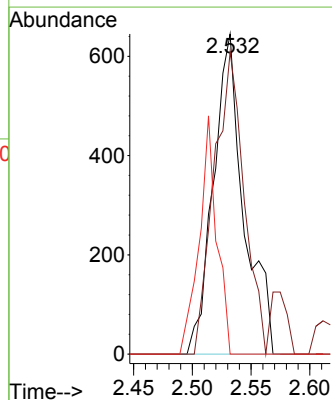
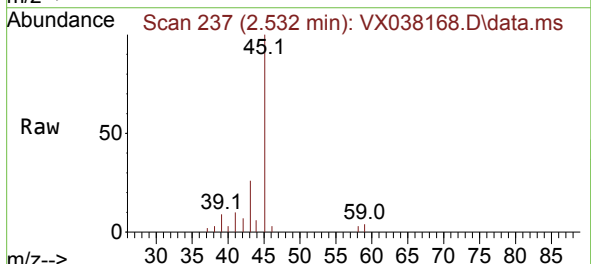


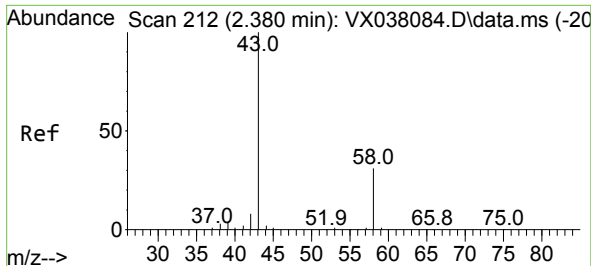
Tgt Ion: 59 Resp: 2964
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.628 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.128 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Tgt Ion: 41 Resp: 1162
Ion Ratio Lower Upper
41 100
39 92.9 55.8 83.6#
76 42.7 24.3 36.5#





#16

Acetone

Concen: 1.560 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

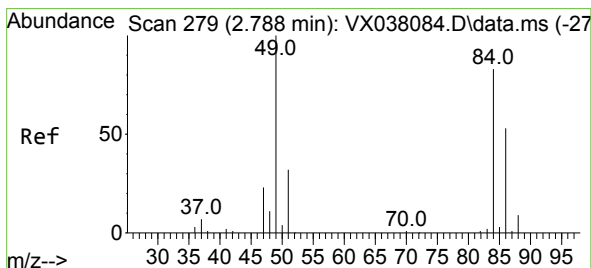
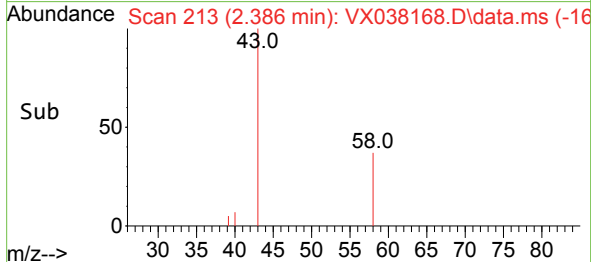
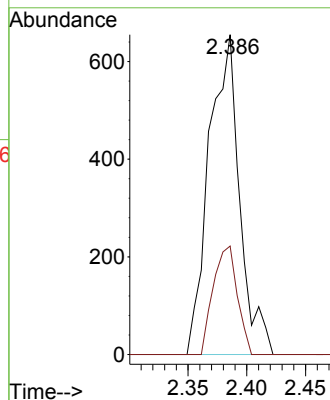
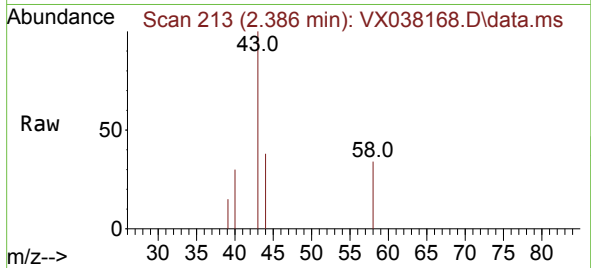
ClientSampleId :

Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

43 100

58 33.9 21.9 32.9#



#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Tgt Ion: 84 Resp: 419

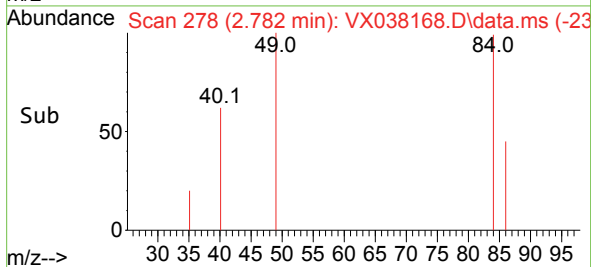
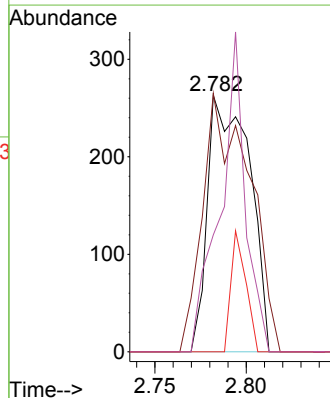
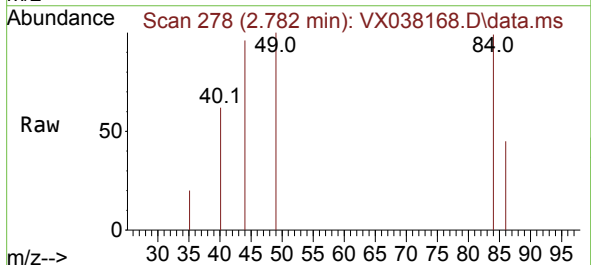
Ion Ratio Lower Upper

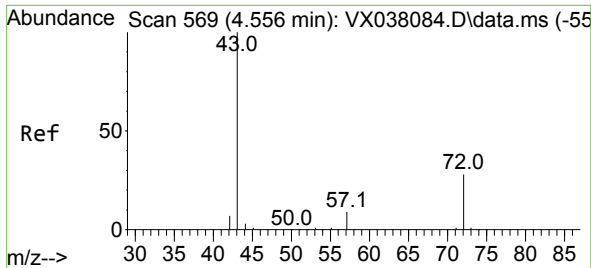
84 100

49 100.8 103.6 155.4#

51 0.0 33.8 50.6#

86 45.6 49.4 74.0#

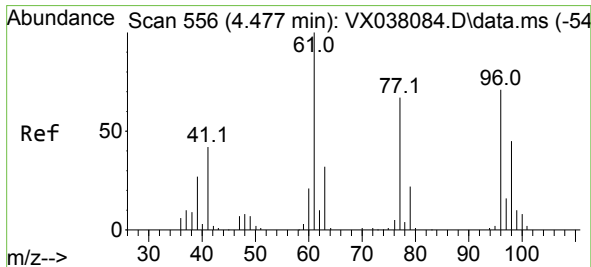
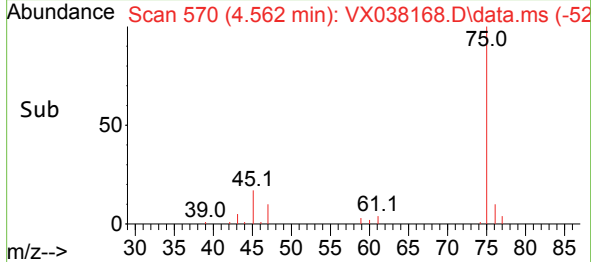
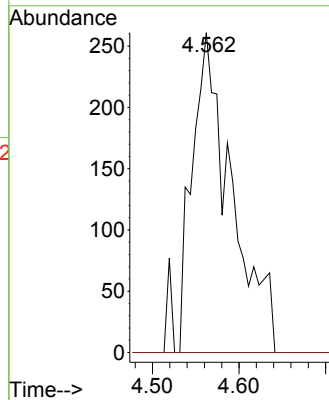
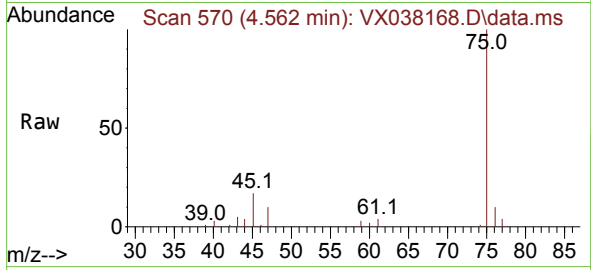




#25
2-Butanone
Concen: 0.669 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

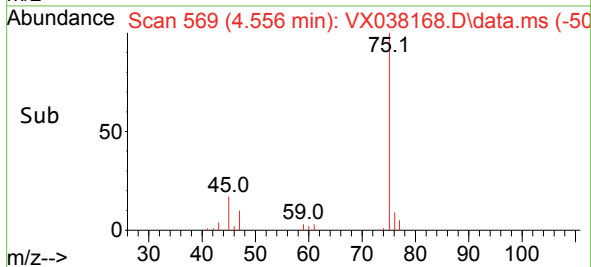
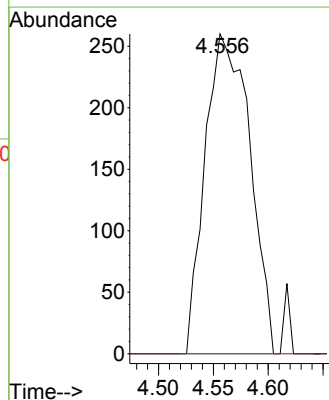
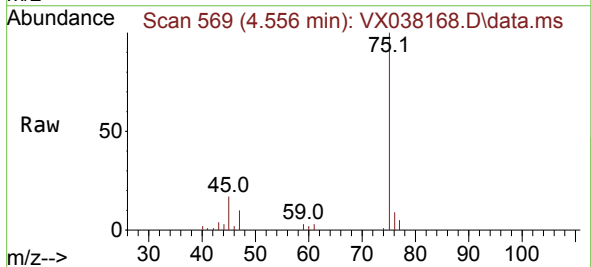
Instrument :
MSVOA_X
ClientSampleId :

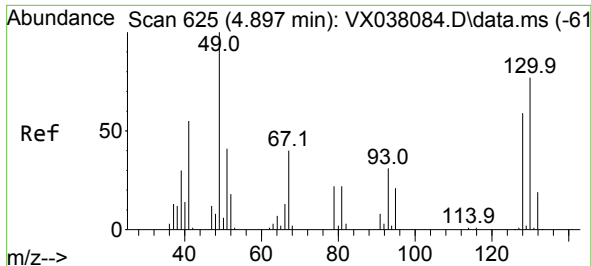
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.402 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.079 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

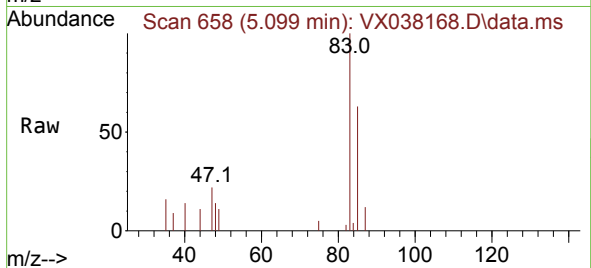
Tgt Ion: 77 Resp: 739
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



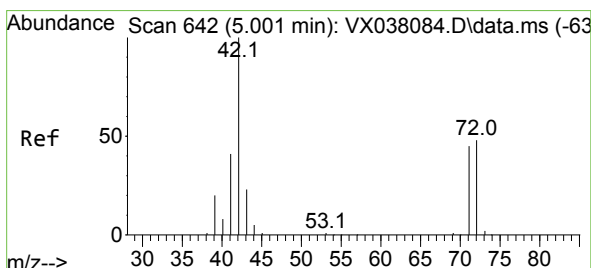
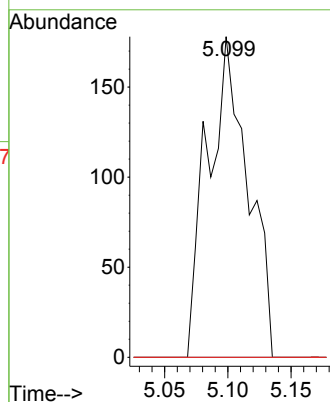
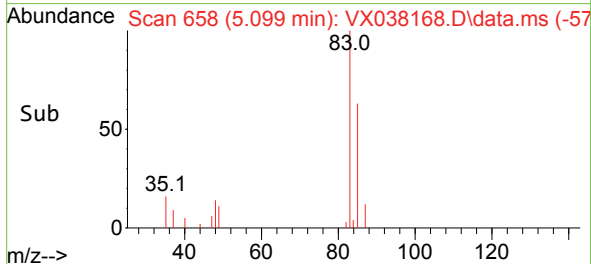


#28
Bromochloromethane
Concen: 0.373 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Instrument :
MSVOA_X
ClientSampleId :

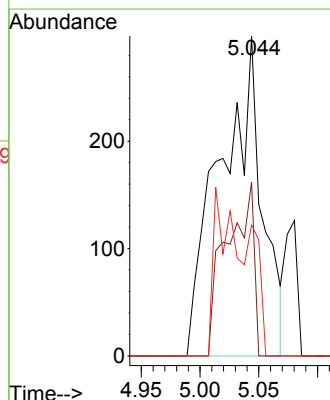
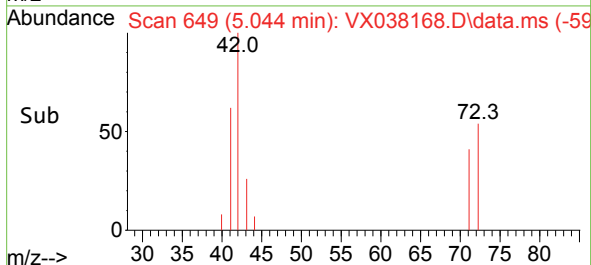
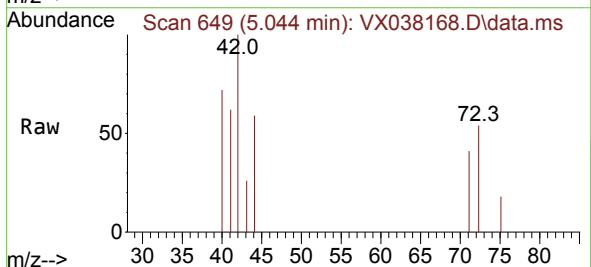


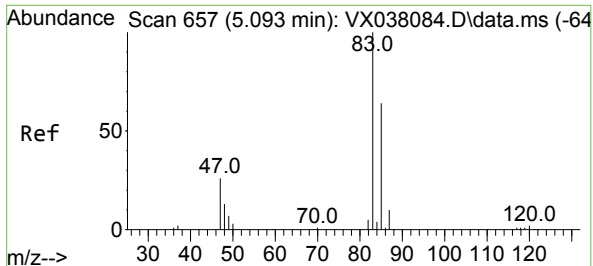
Tgt Ion: 49 Resp: 396
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#29
Tetrahydrofuran
Concen: 0.924 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 35.0 34.2 51.4
71 0.0 32.2 48.2#





#30

Chloroform

Concen: 1.695 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

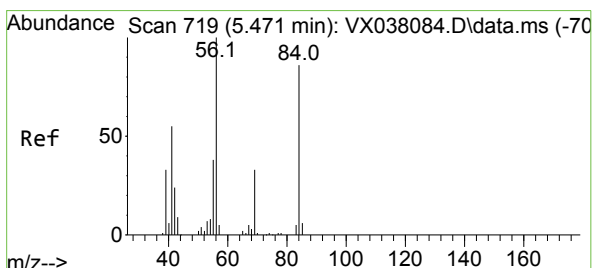
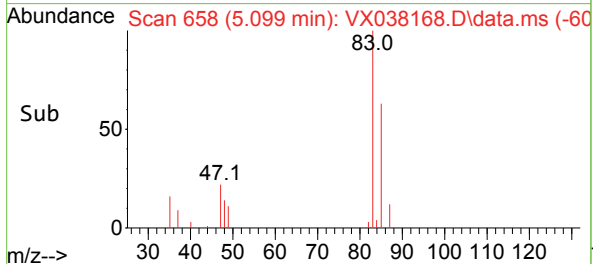
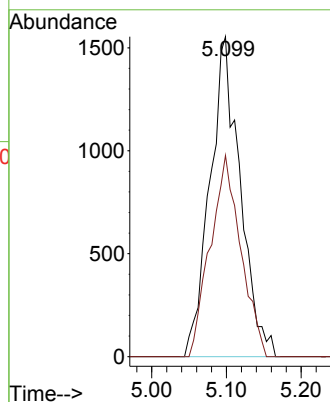
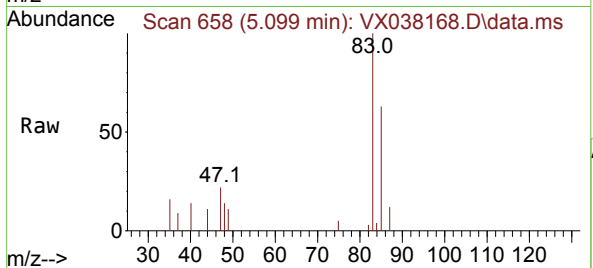
ClientSampleId :

Tgt Ion: 83 Resp: 4364

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

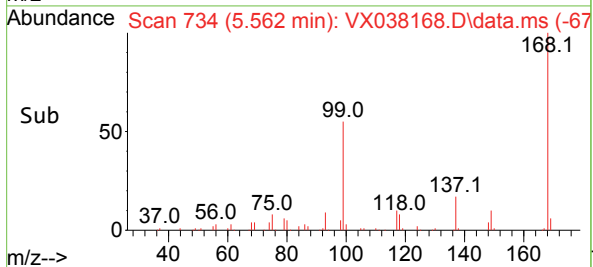
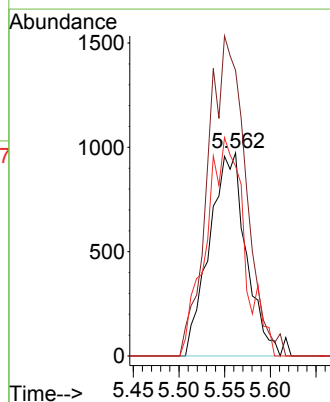
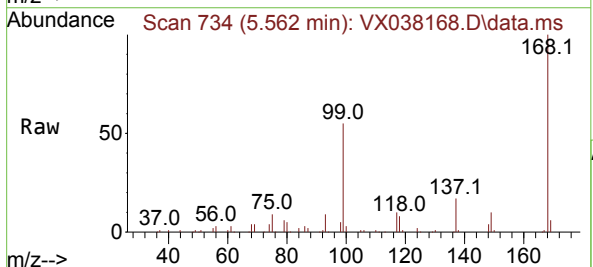
Tgt Ion: 56 Resp: 2726

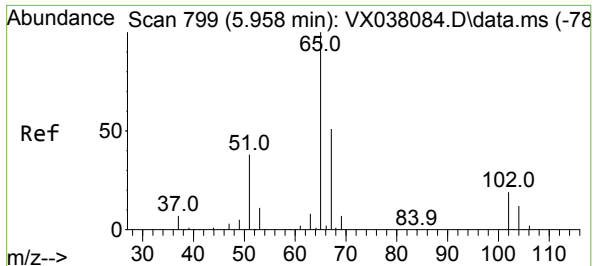
Ion Ratio Lower Upper

56 100

69 140.7 23.4 35.2#

84 93.5 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 46.722 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

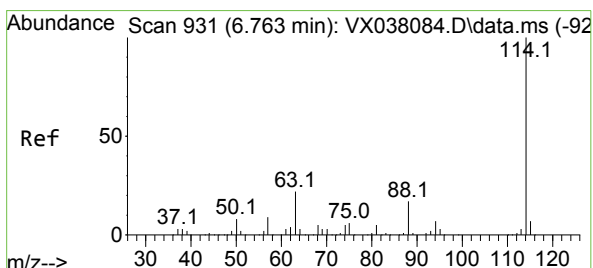
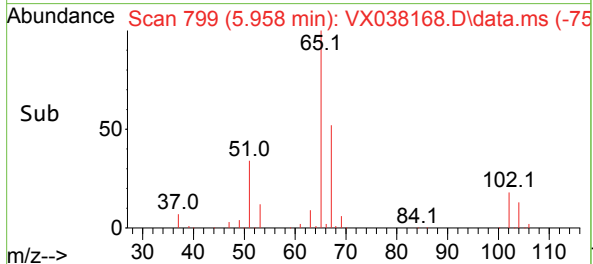
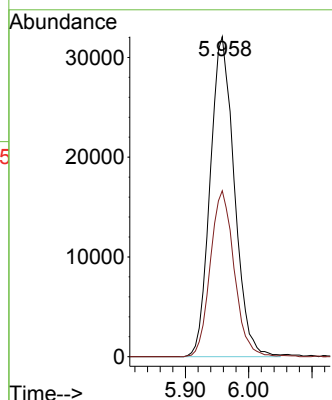
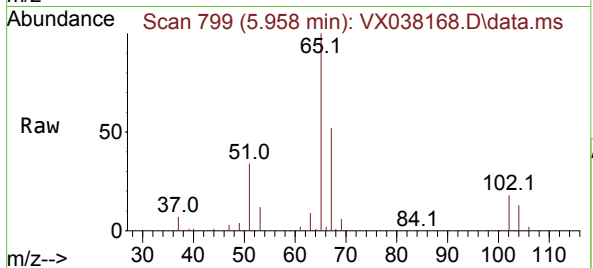
ClientSampleId :

Tgt Ion: 65 Resp: 84992

Ion Ratio Lower Upper

65 100

67 51.2 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: VX038168.D

Acq: 09 Oct 2023 13:51

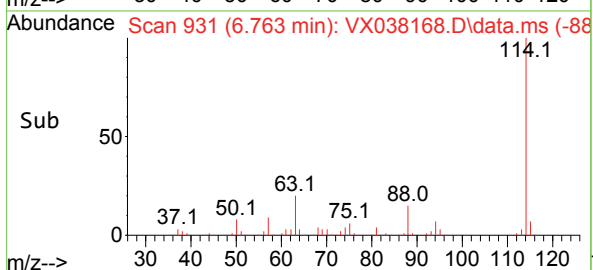
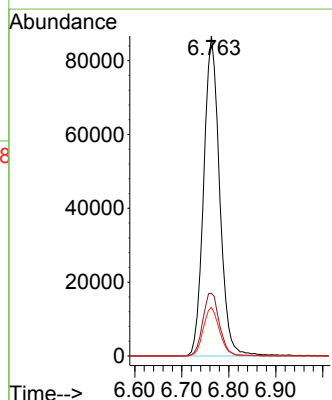
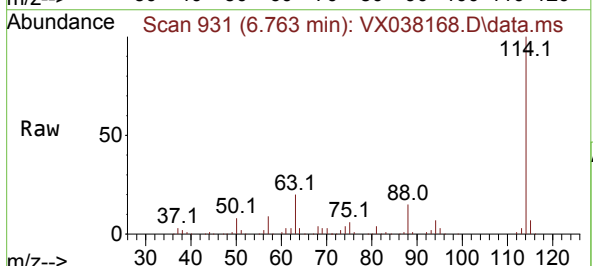
Tgt Ion: 114 Resp: 203465

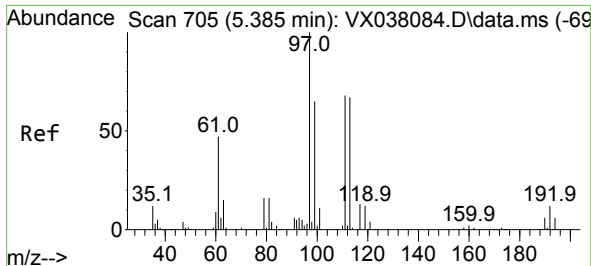
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

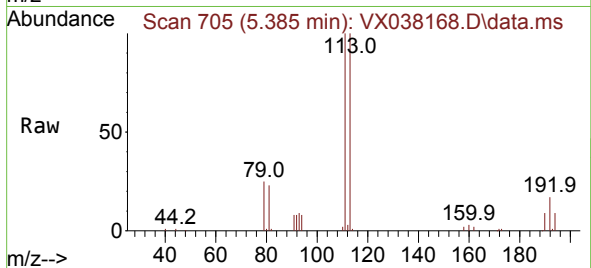
88 15.2 0.0 36.6



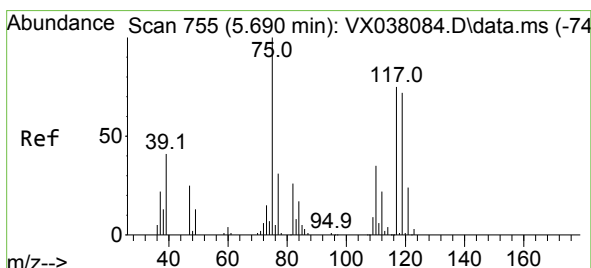
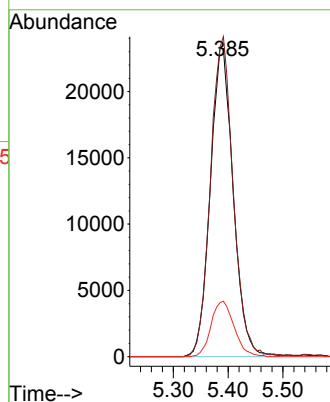
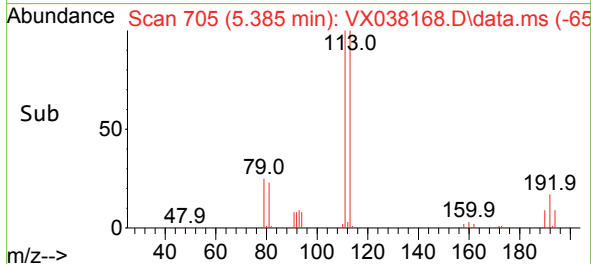


#35
 Dibromofluoromethane
 Concen: 46.204 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX038168.D
 Acq: 09 Oct 2023 13:51

Instrument :
 MSVOA_X
 ClientSampleId :

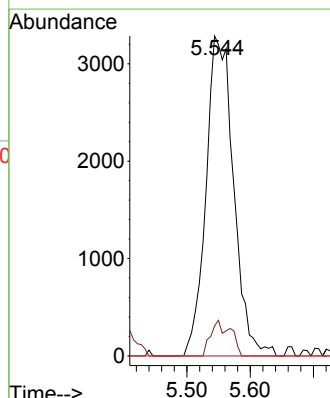
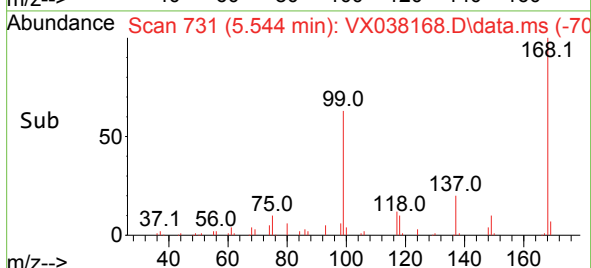
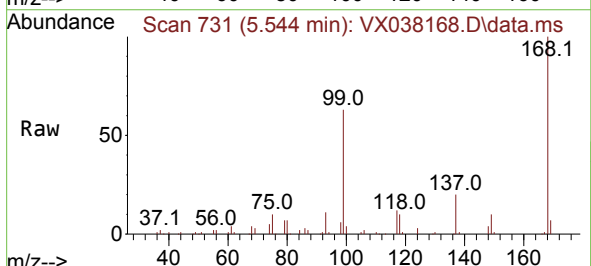


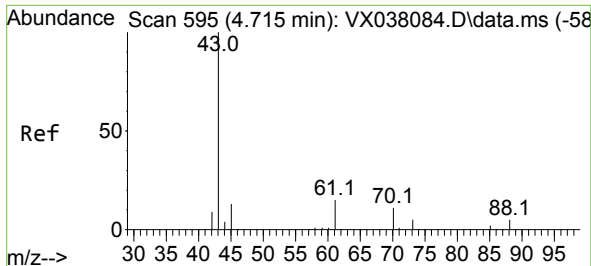
Tgt Ion:113 Resp: 67740
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 18.1 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.146 min
 Lab File: VX038168.D
 Acq: 09 Oct 2023 13:51

Tgt Ion: 75 Resp: 9947
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 50.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.342 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.153 min

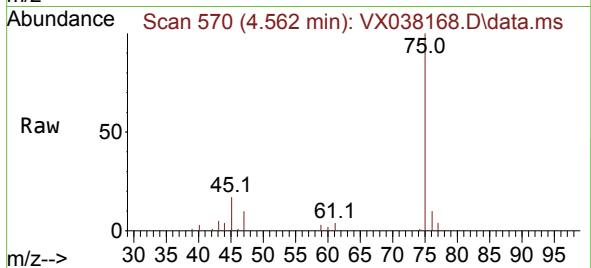
Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

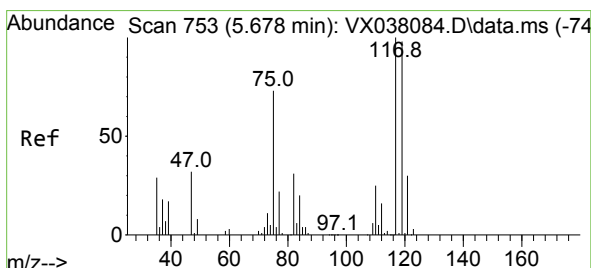
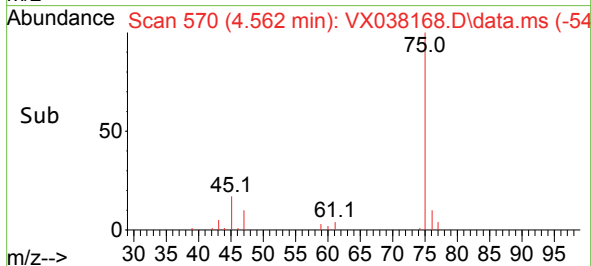
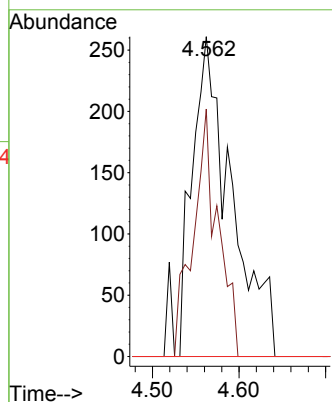
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	820
Ion	Ratio	Lower	Upper
43	100		
61	49.3	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.023 ug/l

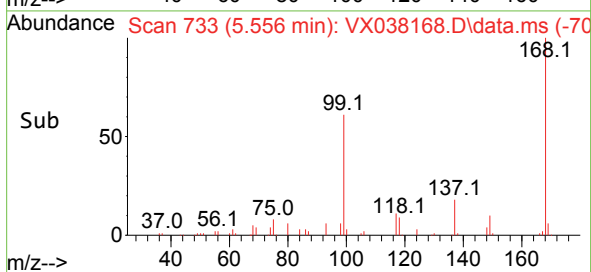
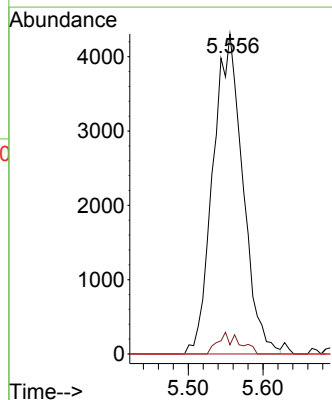
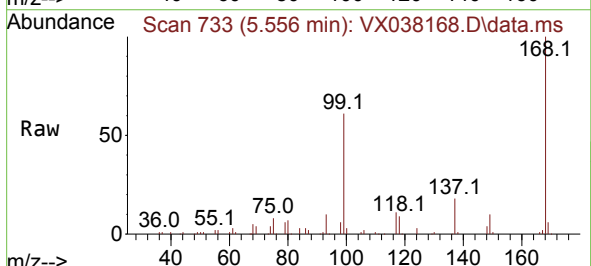
RT: 5.556 min Scan# 733

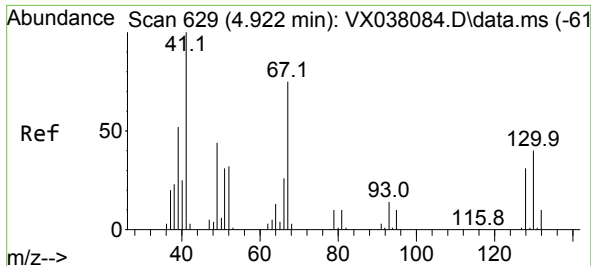
Delta R.T. -0.122 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

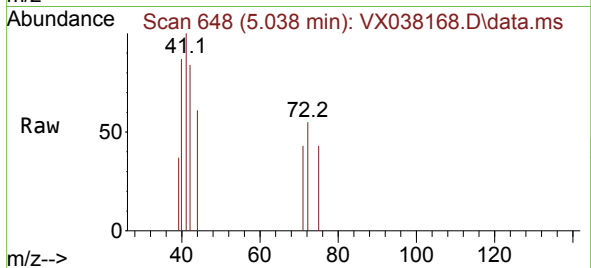
Tgt Ion:	117	Resp:	11979
Ion	Ratio	Lower	Upper
117	100		
119	2.8	78.2	117.2#
121	0.0	24.4	36.6#



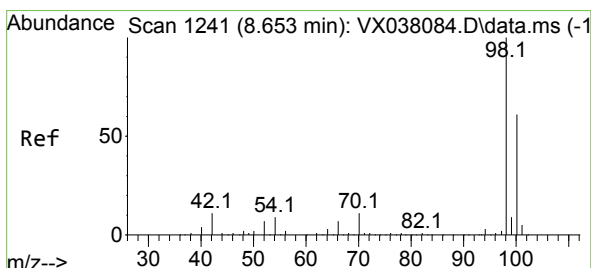
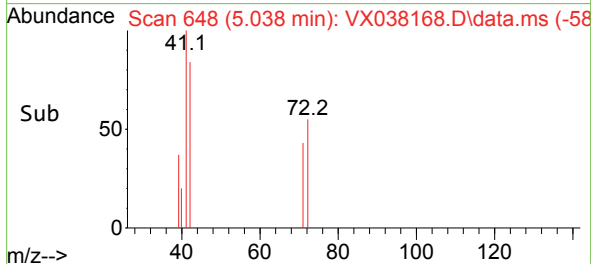
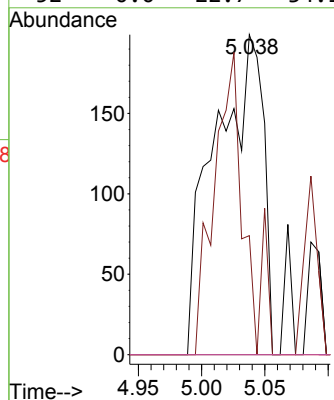


#41
Methacrylonitrile
Concen: 0.440 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Instrument :
MSVOA_X
ClientSampleId :

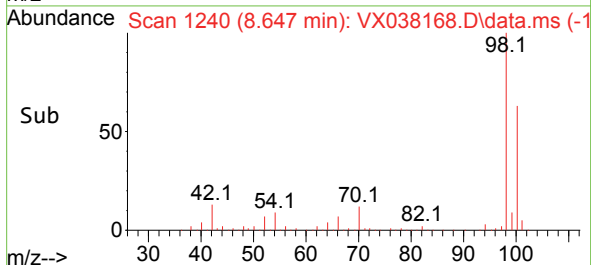
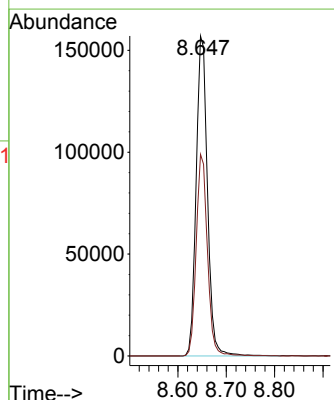
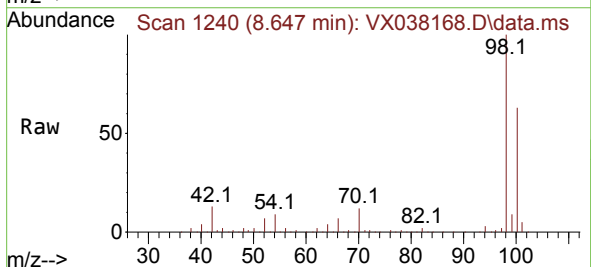


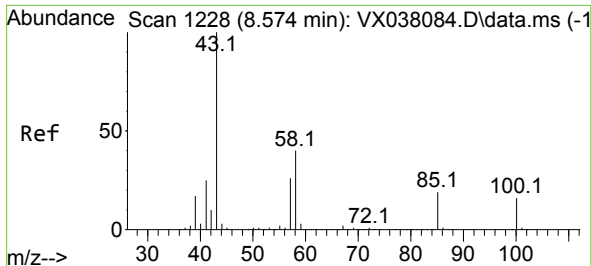
Tgt Ion: 41 Resp: 526
Ion Ratio Lower Upper
41 100
39 53.8 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 45.356 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

Tgt Ion: 98 Resp: 254100
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.449 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

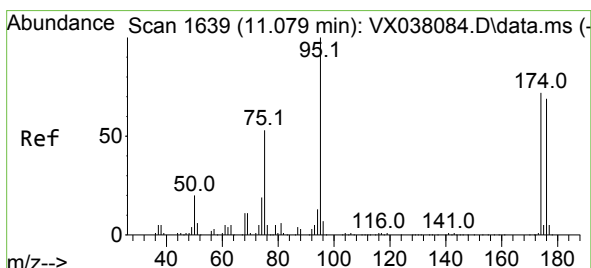
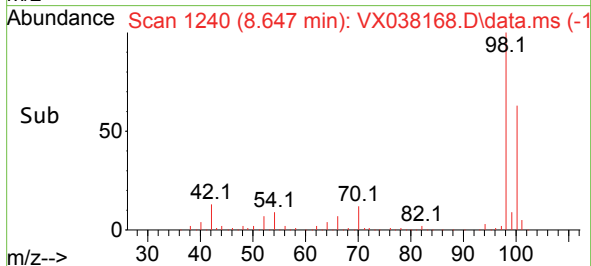
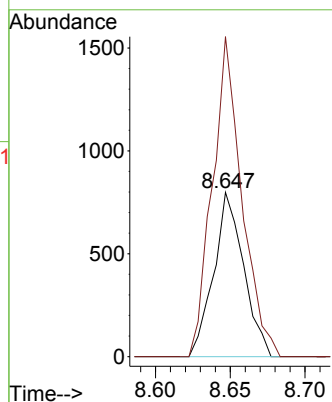
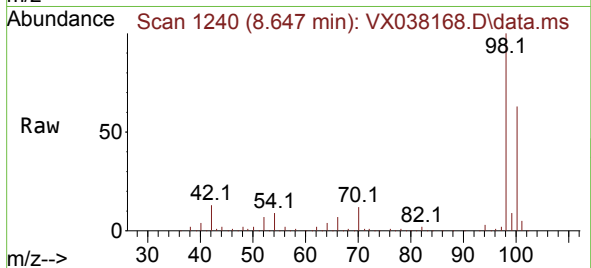
ClientSampleId :

Tgt Ion: 43 Resp: 1109

Ion Ratio Lower Upper

43 100

58 192.0 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 44.106 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

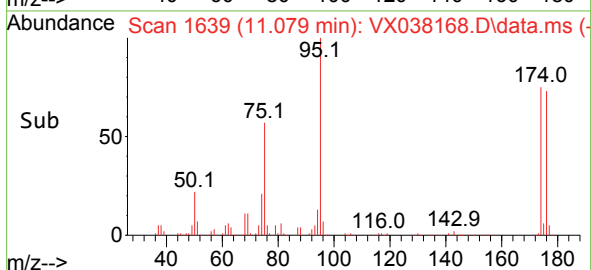
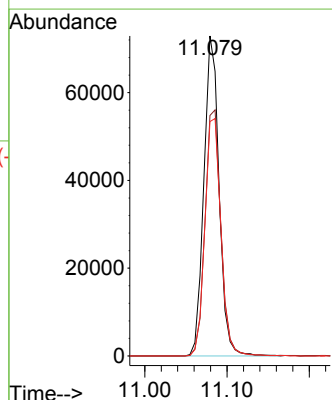
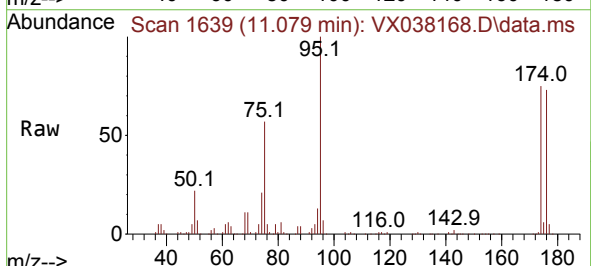
Tgt Ion: 95 Resp: 93677

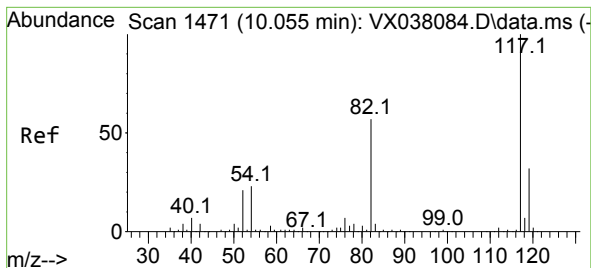
Ion Ratio Lower Upper

95 100

174 80.1 0.0 135.6

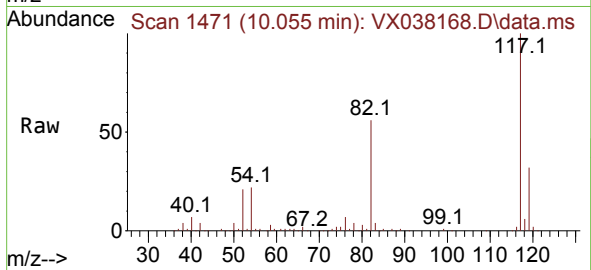
176 78.6 0.0 131.0



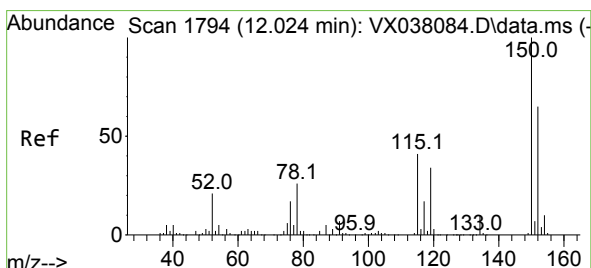
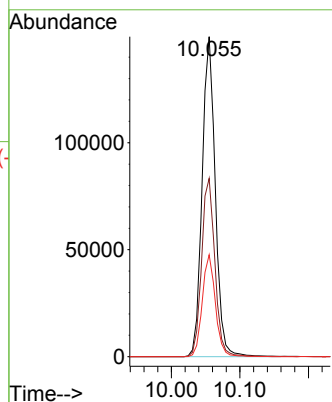
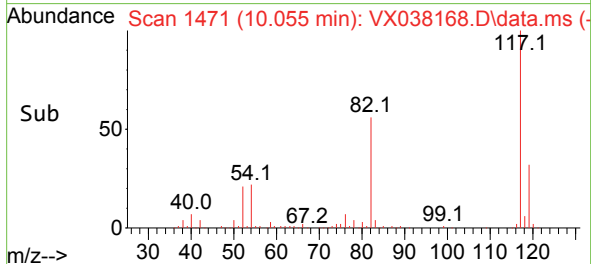


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51

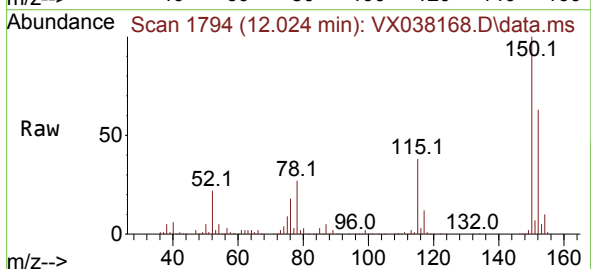
Instrument :
MSVOA_X
ClientSampleId :



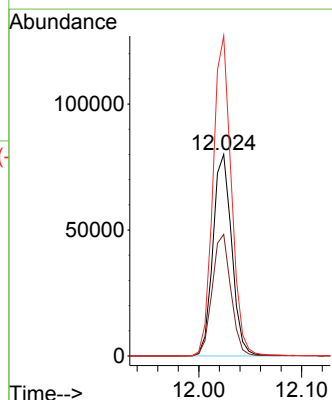
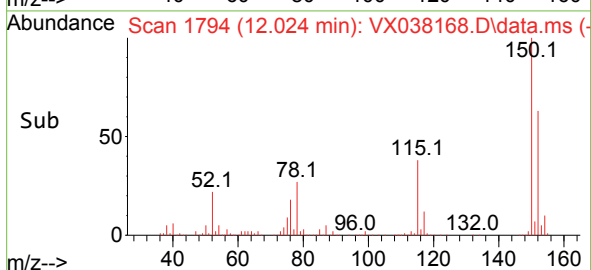
Tgt Ion:117 Resp: 200010
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 31.8 25.5 38.3

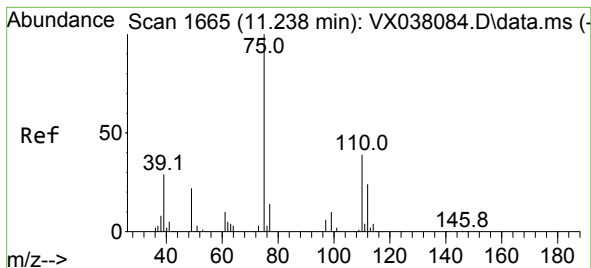


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038168.D
Acq: 09 Oct 2023 13:51



Tgt Ion:152 Resp: 101391
Ion Ratio Lower Upper
152 100
115 60.4 43.3 129.9
150 155.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.022 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Instrument :

MSVOA_X

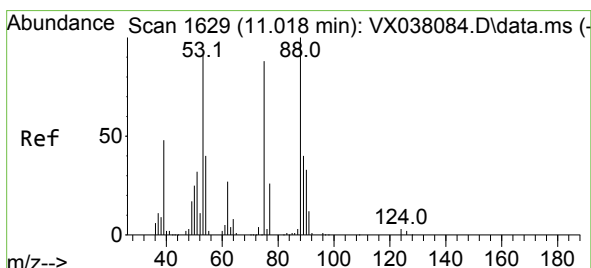
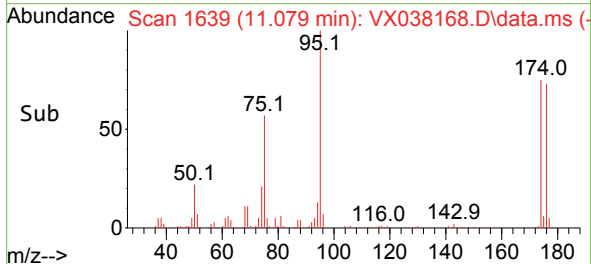
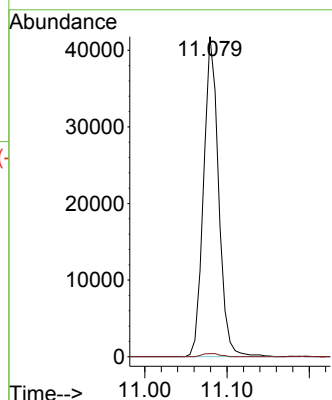
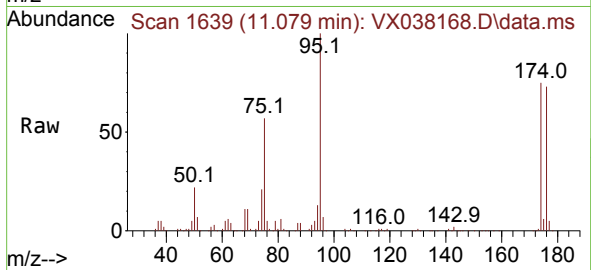
ClientSampleId :

Tgt Ion: 75 Resp: 53066

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.834 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038168.D

Acq: 09 Oct 2023 13:51

Tgt Ion: 75 Resp: 53066

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

