

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\
 Data File : VX041352.D
 Acq On : 02 May 2024 14:37
 Operator : JC/MD
 Sample : PB160645ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 03 01:38:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

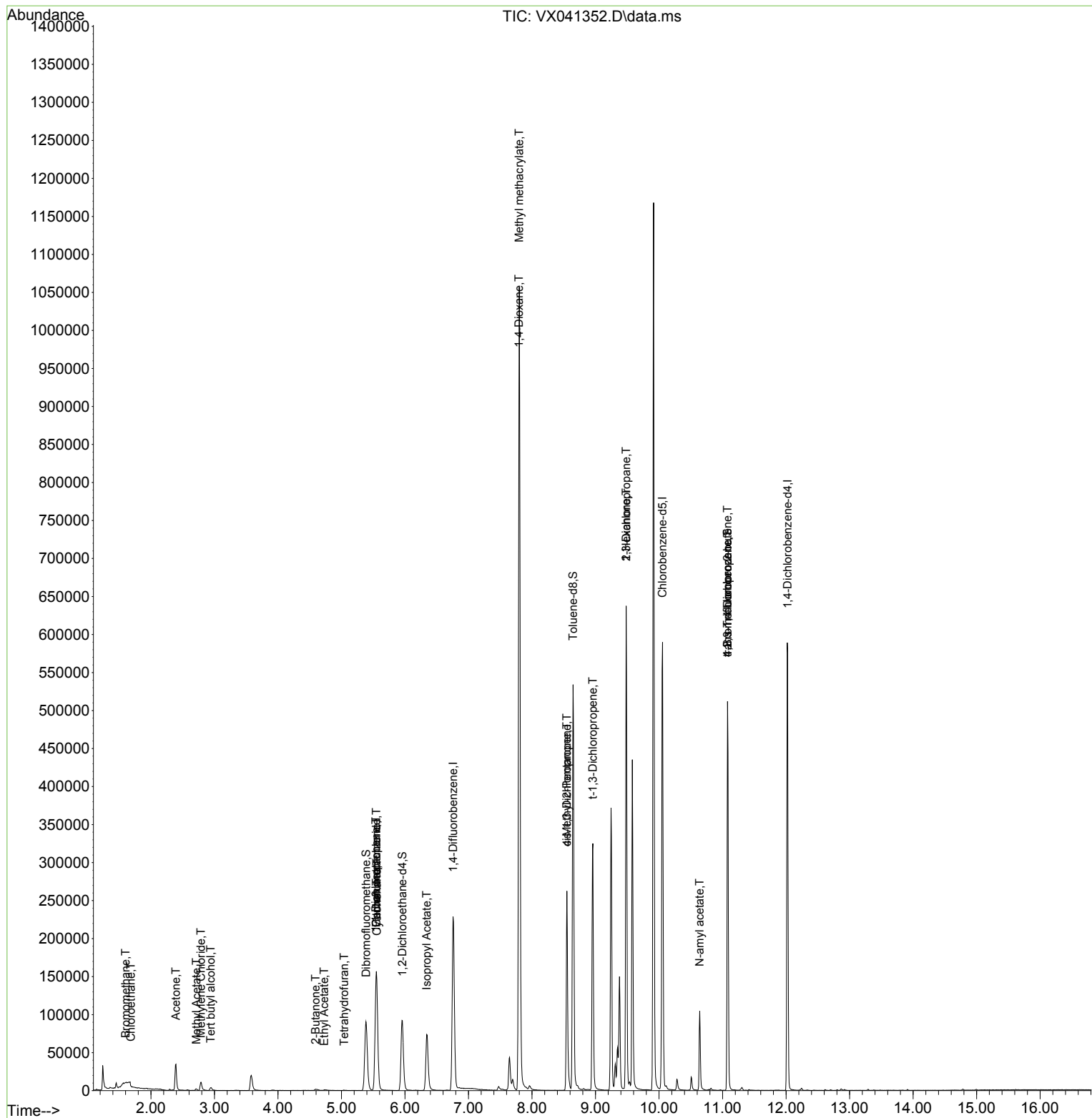
Internal Standards						
1) Pentafluorobenzene	5.550	168	167540	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	246211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92343	50.629	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	101.260%	
35) Dibromofluoromethane	5.385	113	77783	46.619	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	93.240%	
50) Toluene-d8	8.647	98	315667	59.775	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	119.540%#	
62) 4-Bromofluorobenzene	11.079	95	126930	62.090	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	124.180%#	
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	274	0.322	ug/l	95
6) Chloroethane	1.685	64	859	1.362	ug/l	# 43
11) Tert butyl alcohol	2.940	59	2633	7.213	ug/l	# 78
16) Acetone	2.392	43	41258	48.211	ug/l	95
18) Methyl Acetate	2.715	43	3031	1.624	ug/l	98
20) Methylene Chloride	2.788	84	6078	3.839	ug/l	# 90
25) 2-Butanone	4.593	43	3521	2.983	ug/l	# 79
29) Tetrahydrofuran	5.044	42	553	0.716	ug/l	# 44
31) Cyclohexane	5.556	56	2872	1.305	ug/l	# 15
36) 1,1-Dichloropropene	5.544	75	10353	5.189	ug/l	# 42
37) Ethyl Acetate	4.727	43	781	0.314	ug/l	# 83
38) Carbon Tetrachloride	5.550	117	14733	6.446	ug/l	# 14
43) Isopropyl Acetate	6.342	43	106676	28.501	ug/l	98
48) Methyl methacrylate	7.799	41	96402	56.185	ug/l	# 49
49) 1,4-Dioxane	7.793	88	20	0.539	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	89806	39.986	ug/l	# 50
53) t-1,3-Dichloropropene	8.958	75	691	0.358	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39923	18.629	ug/l	# 56
57) 1,3-Dichloropropane	9.482	76	5562	2.300	ug/l	# 42
59) 2-Hexanone	9.482	43	76674	42.693	ug/l	# 52
74) N-amyl acetate	10.640	43	26101	7.105	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	63861	28.446	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	63861	77.483	ug/l	# 5

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

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\  
Data File : VX041352.D  
Acq On    : 02 May 2024  14:37  
Operator  : JC/MD  
Sample    : PB160645ZHE#02  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 15   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :

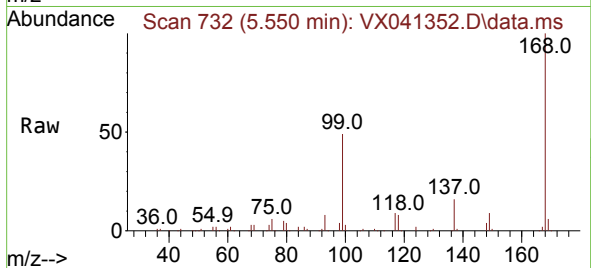
Quant Time: May 03 01:38:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
Response via : Initial Calibration



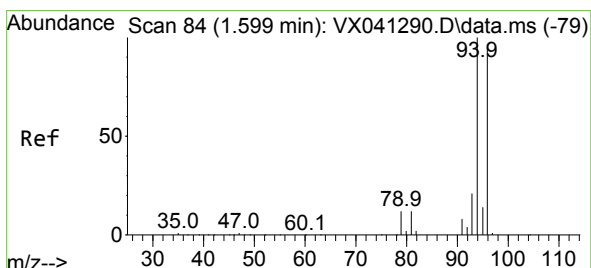
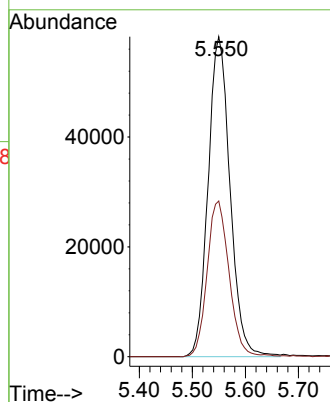
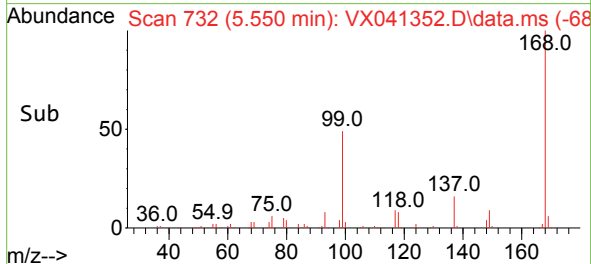


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

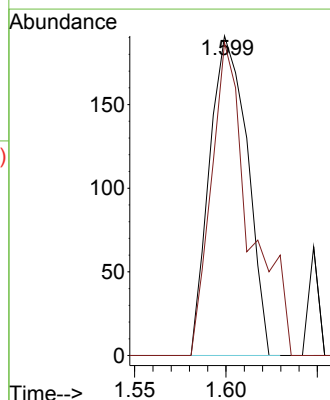
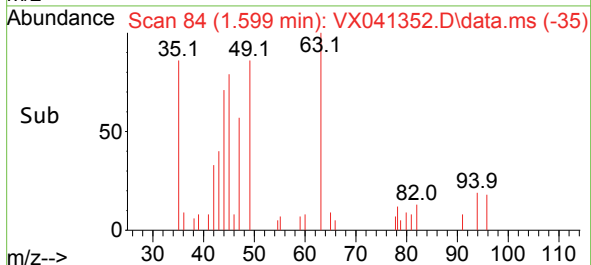
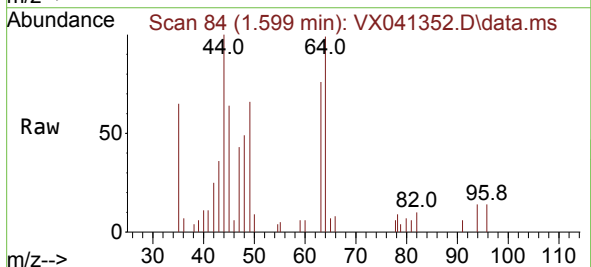


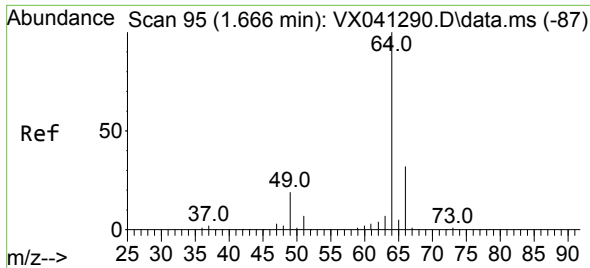
Tgt Ion:168 Resp: 167540
Ion Ratio Lower Upper
168 100
99 48.6 56.6 85.0#



#5
Bromomethane
Concen: 0.322 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 97.9 74.6 111.8

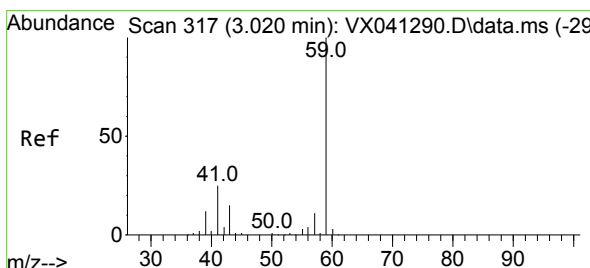
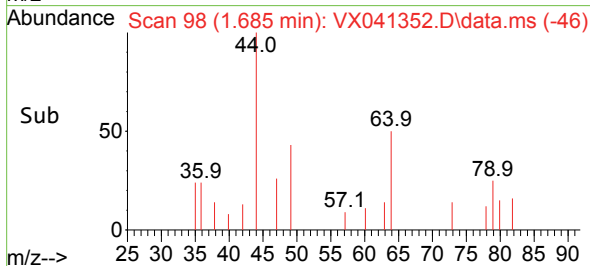
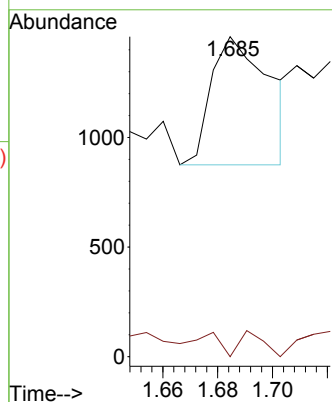
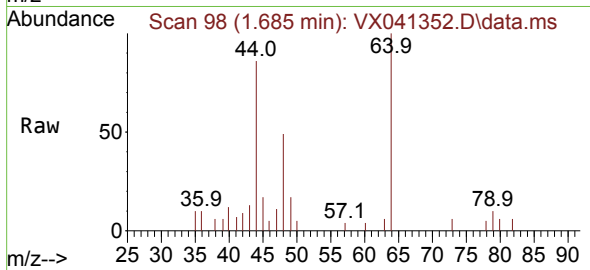




#6
Chloroethane
Concen: 1.362 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

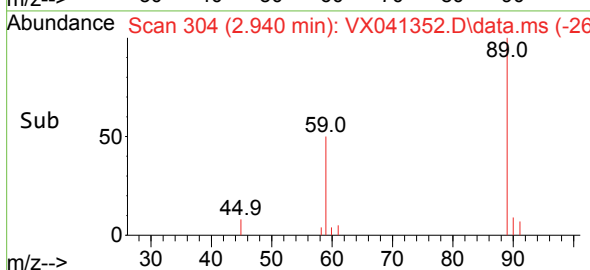
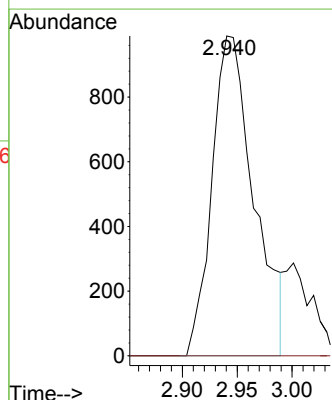
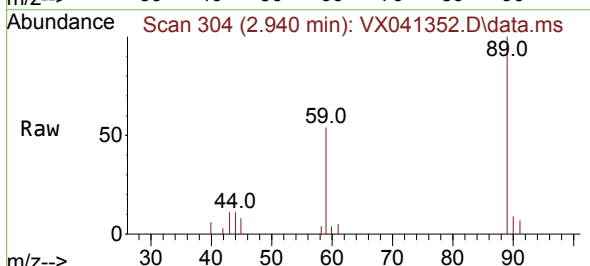
Instrument :
MSVOA_X
ClientSampleId :

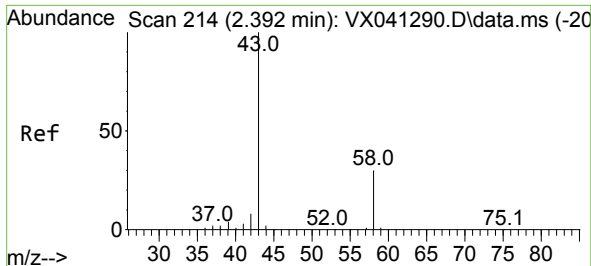
Tgt Ion: 64 Resp: 859
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 7.213 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

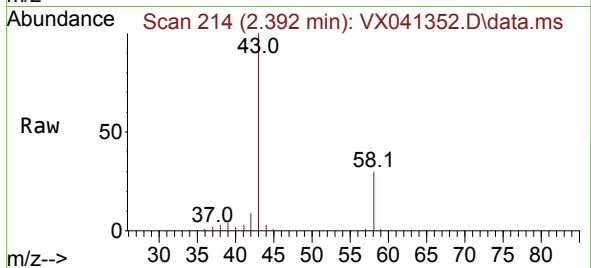
Tgt Ion: 59 Resp: 2633
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



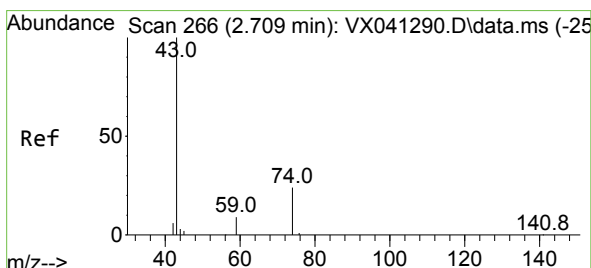
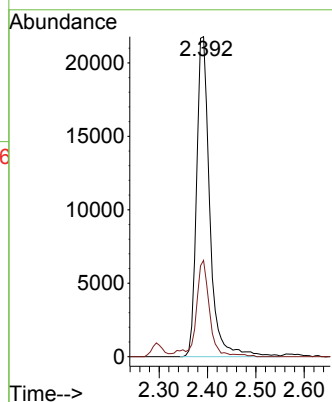
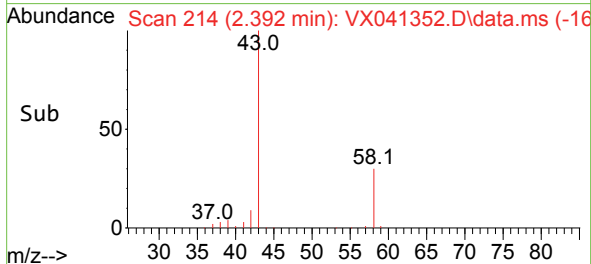


#16
Acetone
Concen: 48.211 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

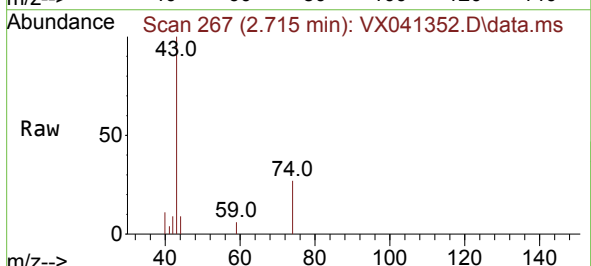
Instrument :
MSVOA_X
ClientSampleId :



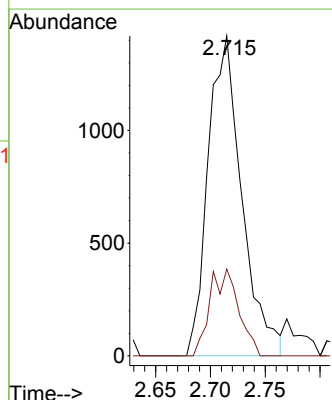
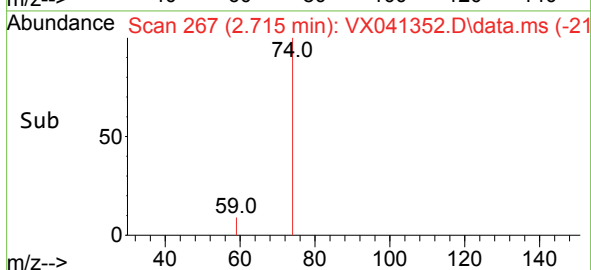
Tgt Ion: 43 Resp: 41258
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9

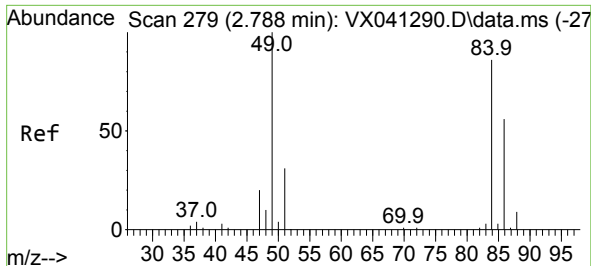


#18
Methyl Acetate
Concen: 1.624 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37



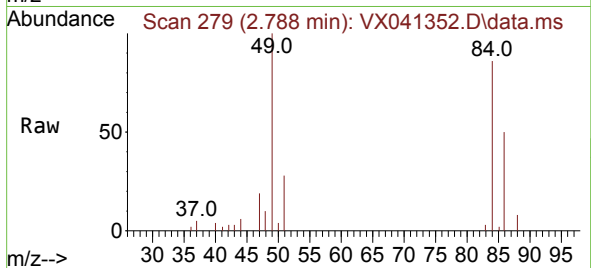
Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



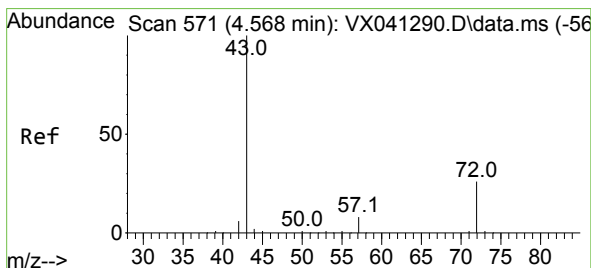
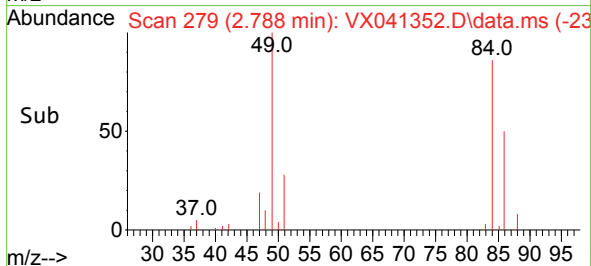
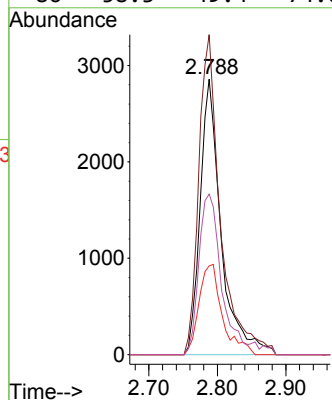


#20
Methylene Chloride
Concen: 3.839 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

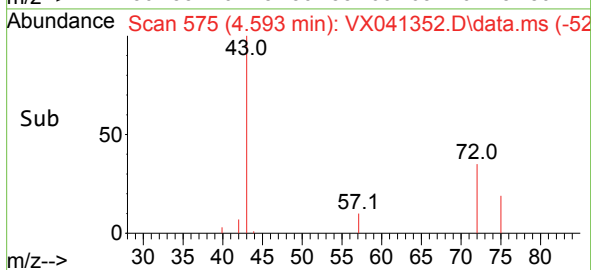
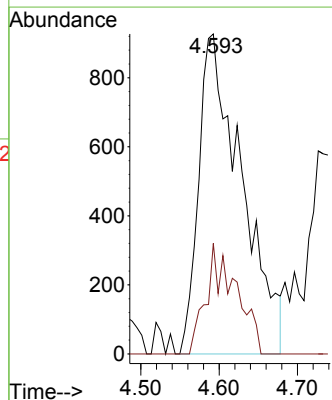
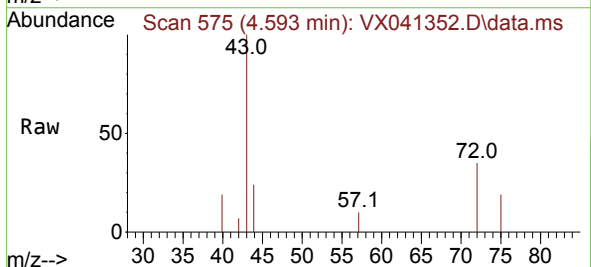


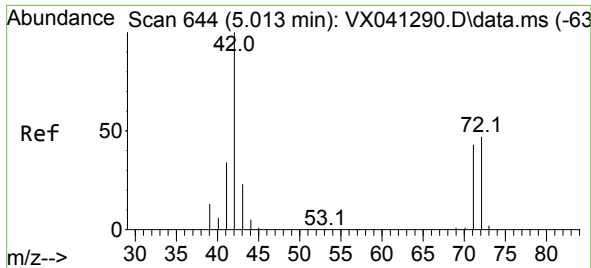
Tgt Ion:	84	Resp:	6078
Ion	Ratio	Lower	Upper
84	100		
49	116.1	103.6	155.4
51	32.2	33.8	50.6#
86	58.3	49.4	74.0



#25
2-Butanone
Concen: 2.983 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Tgt Ion:	43	Resp:	3521
Ion	Ratio	Lower	Upper
43	100		
72	34.5	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.716 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX041352.D

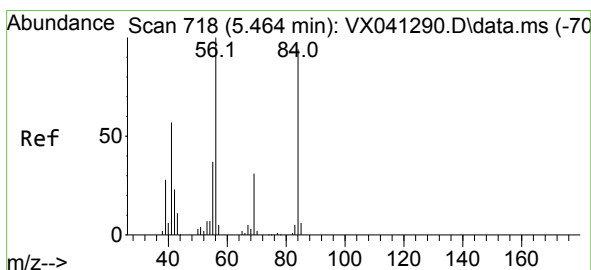
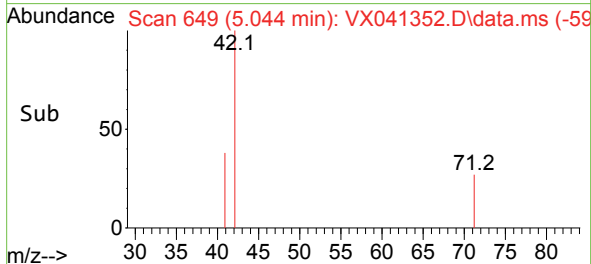
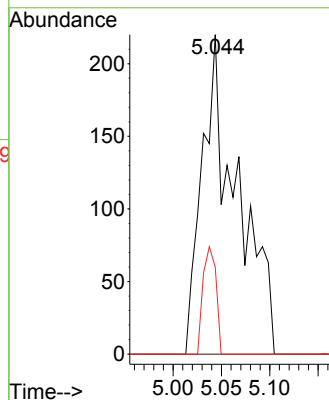
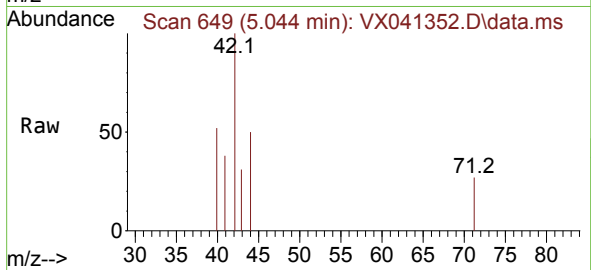
Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	553
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	12.7	32.2	48.2#



#31

Cyclohexane

Concen: 1.305 ug/l

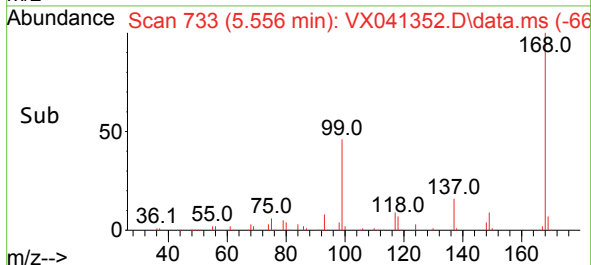
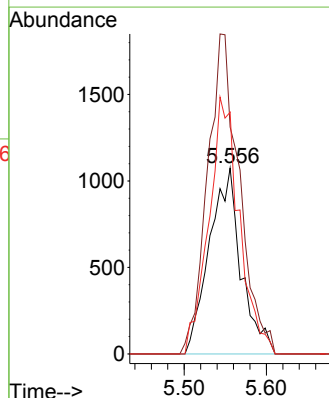
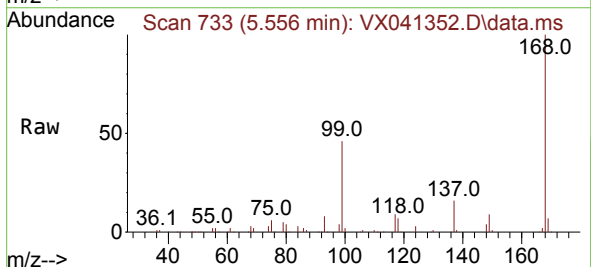
RT: 5.556 min Scan# 733

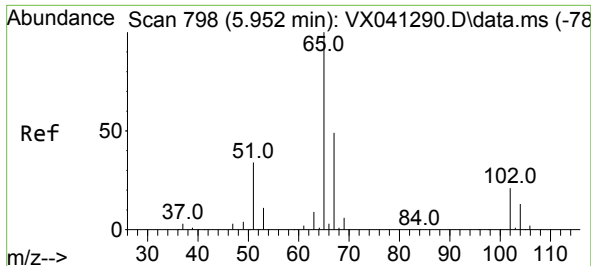
Delta R.T. 0.091 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

Tgt Ion:	56	Resp:	2872
Ion	Ratio	Lower	Upper
56	100		
69	122.0	23.4	35.2#
84	130.0	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.629 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

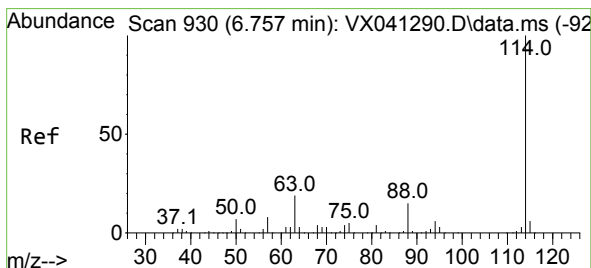
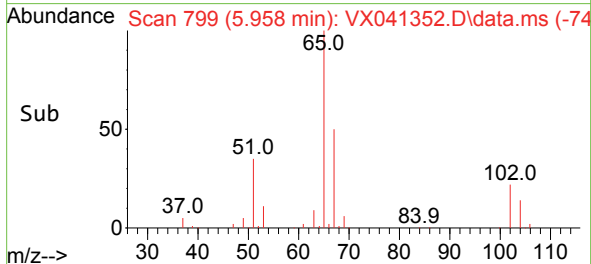
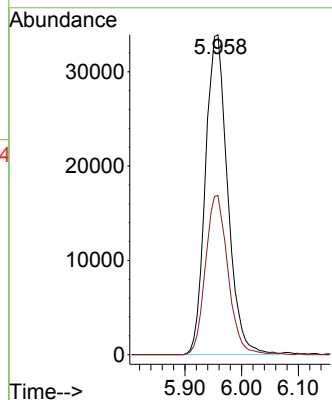
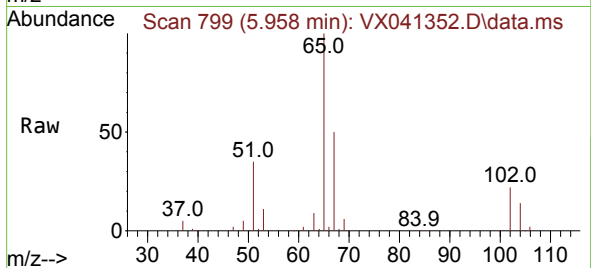
ClientSampleId :

Tgt Ion: 65 Resp: 92343

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

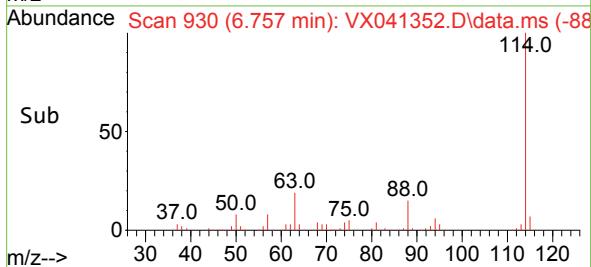
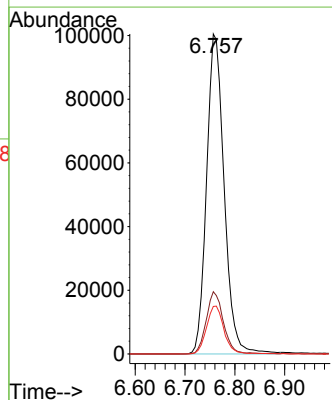
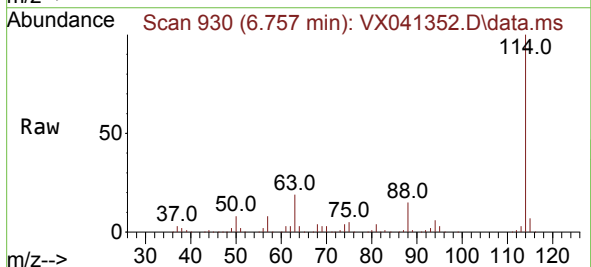
Tgt Ion: 114 Resp: 246211

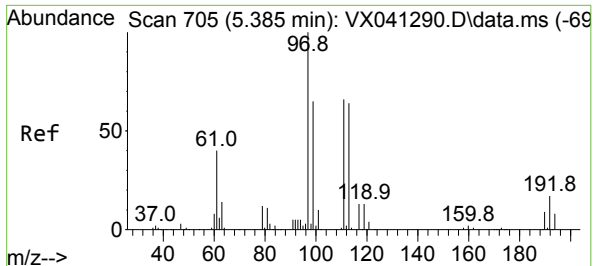
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

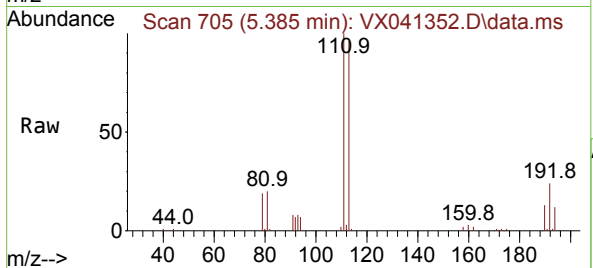
88 14.8 0.0 36.6



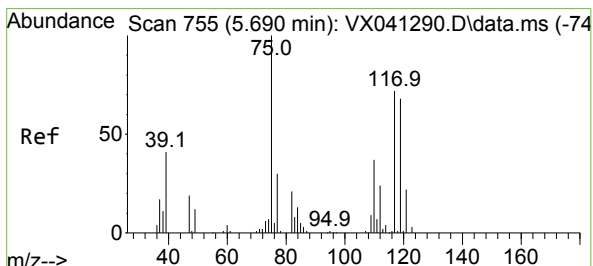
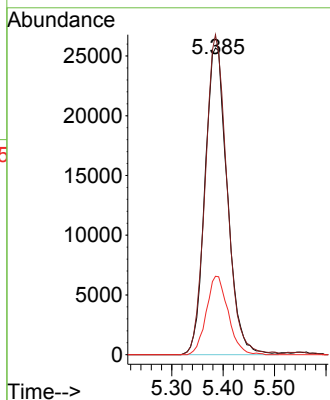
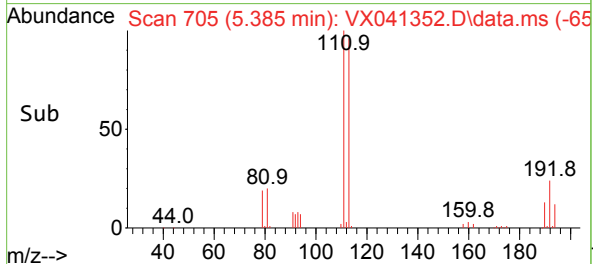


#35
Dibromofluoromethane
Concen: 46.619 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

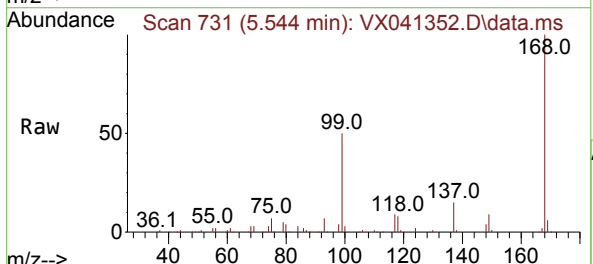
Instrument :
MSVOA_X
ClientSampleId :



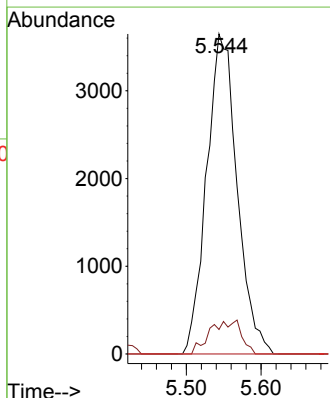
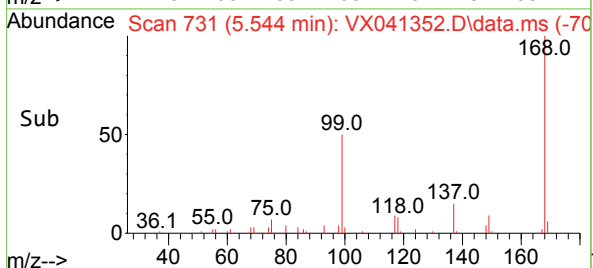
Tgt Ion:113 Resp: 77783
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 24.9 13.3 19.9#

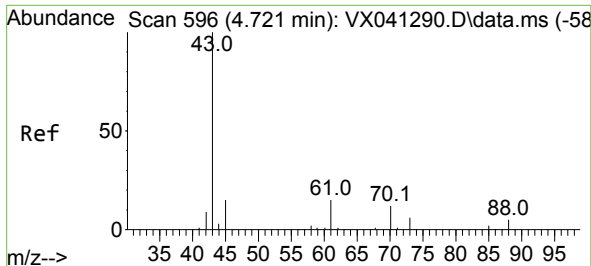


#36
1,1-Dichloropropene
Concen: 5.189 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37



Tgt Ion: 75 Resp: 10353
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.314 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

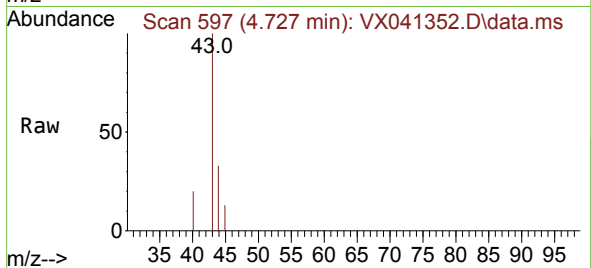
Lab File: VX041352.D

Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :



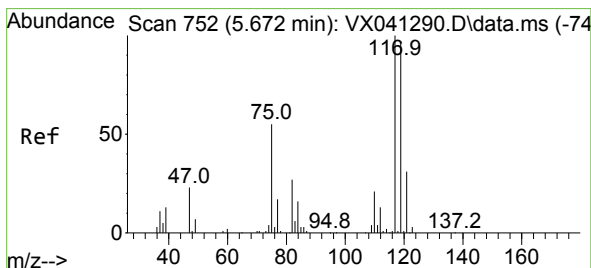
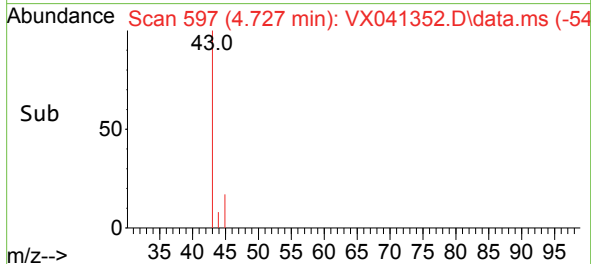
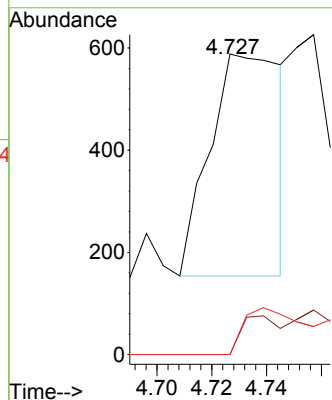
Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

61 9.3 10.6 16.0#

70 20.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

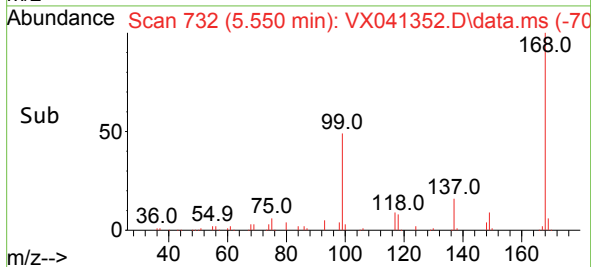
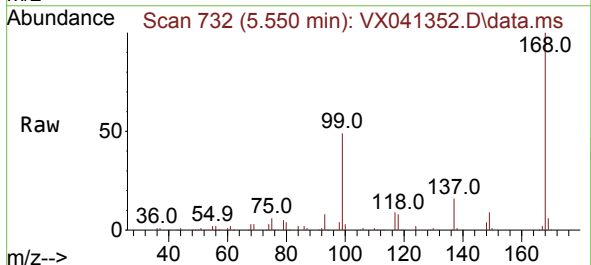
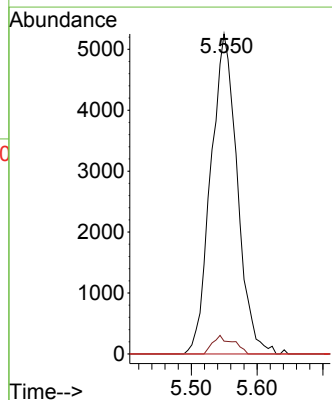
Tgt Ion: 117 Resp: 14733

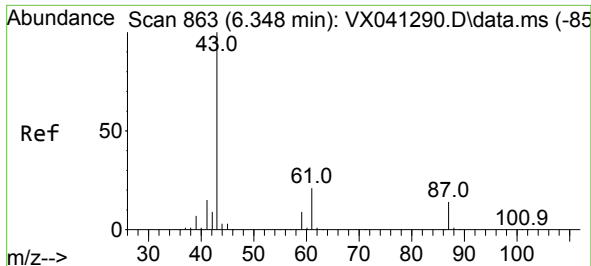
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 28.501 ug/l

RT: 6.342 min Scan# 8

Delta R.T. -0.006 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

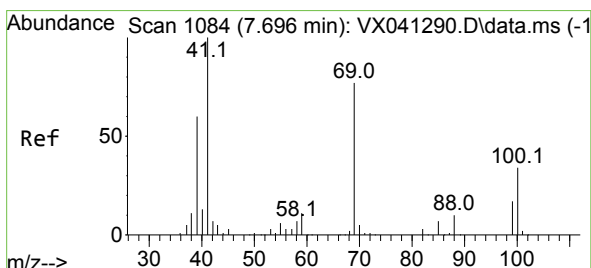
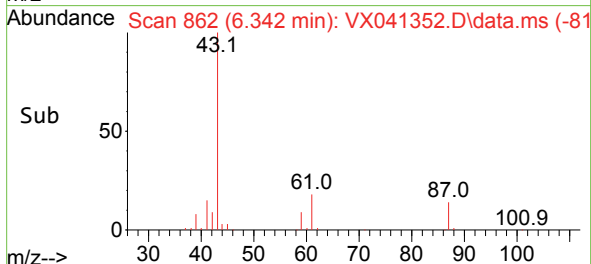
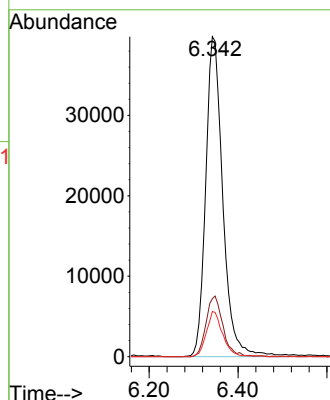
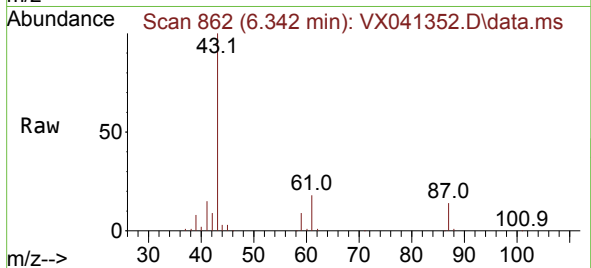
Tgt Ion: 43 Resp: 106676

Ion Ratio Lower Upper

43 100

61 18.6 15.2 22.8

87 13.4 9.8 14.6



#48

Methyl methacrylate

Concen: 56.185 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

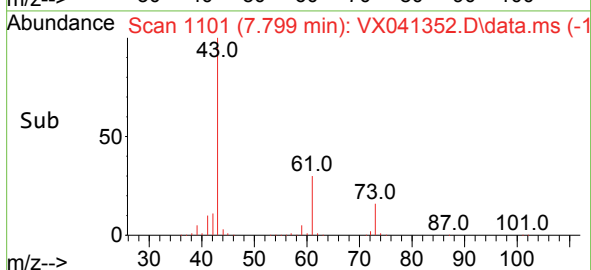
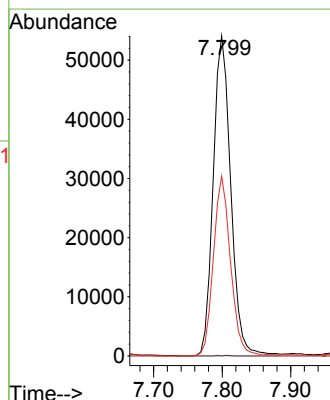
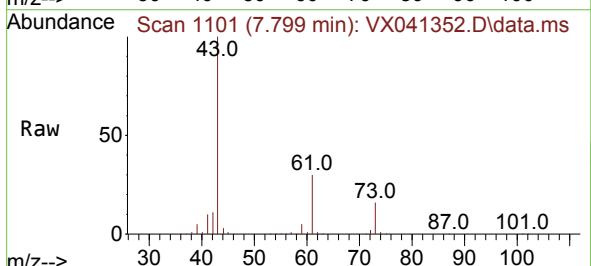
Tgt Ion: 41 Resp: 96402

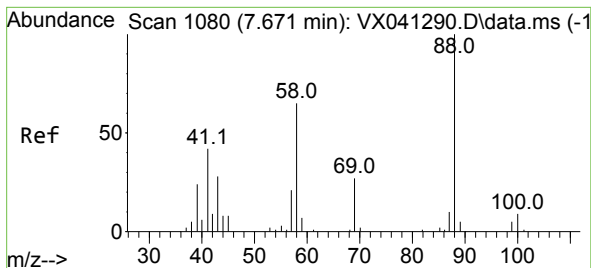
Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.3 47.7 71.5





#49

1,4-Dioxane

Concen: 0.539 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

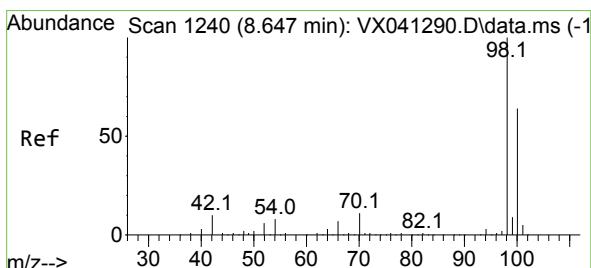
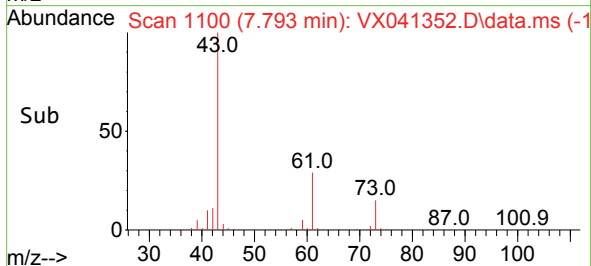
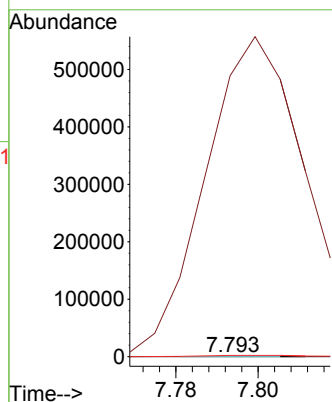
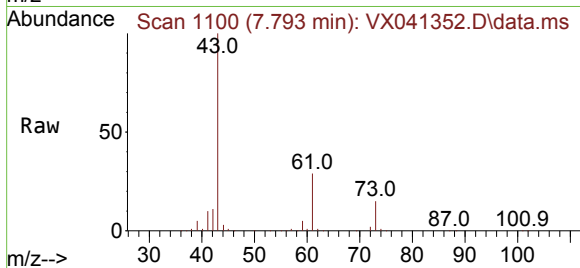
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 4957630.0 0.0 0.0#

58 21870.0 60.1 90.1#



#50

Toluene-d8

Concen: 59.775 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041352.D

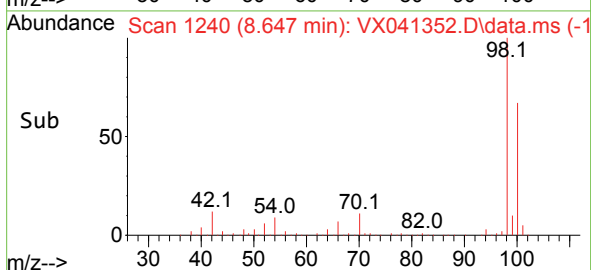
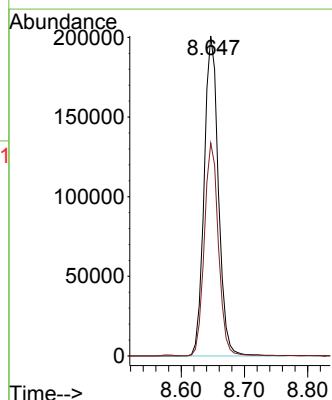
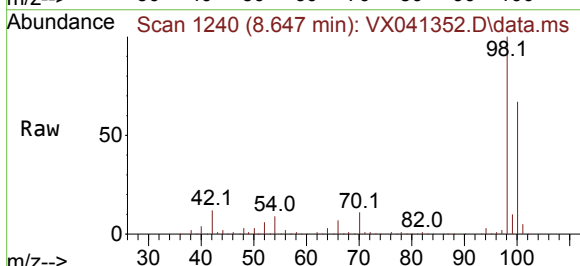
Acq: 02 May 2024 14:37

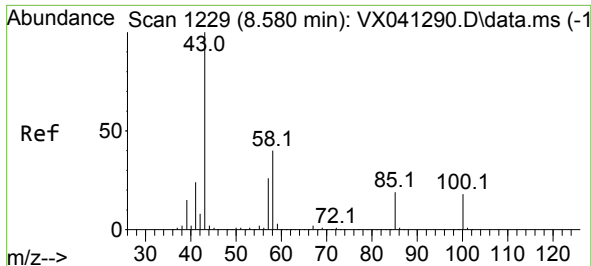
Tgt Ion: 98 Resp: 315667

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7

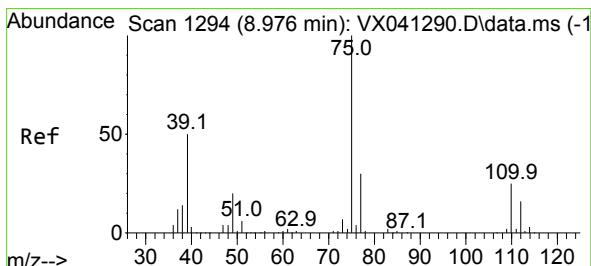
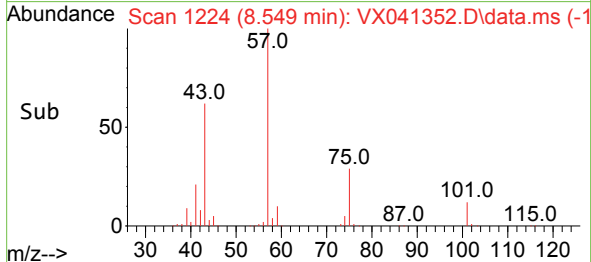
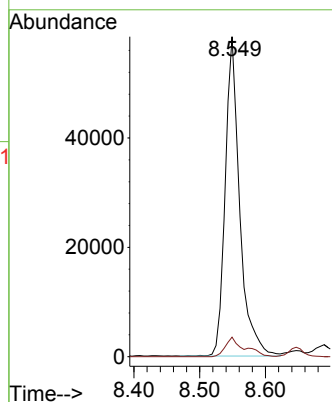
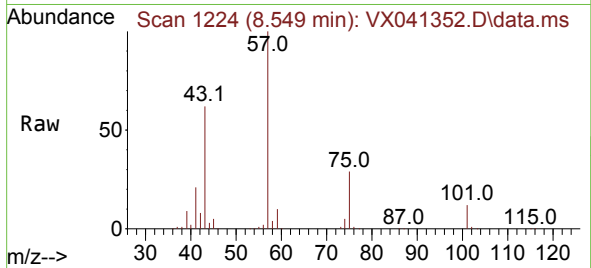




#51
4-Methyl-2-Pentanone
Concen: 39.986 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

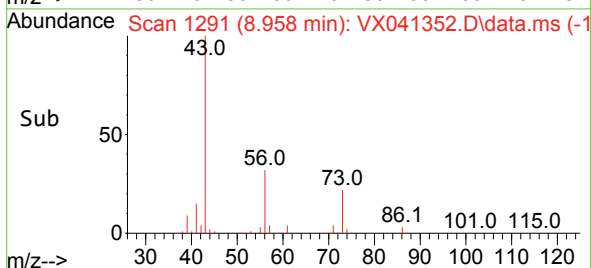
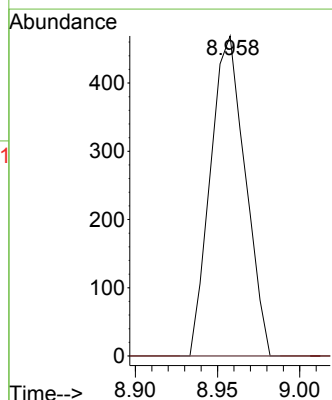
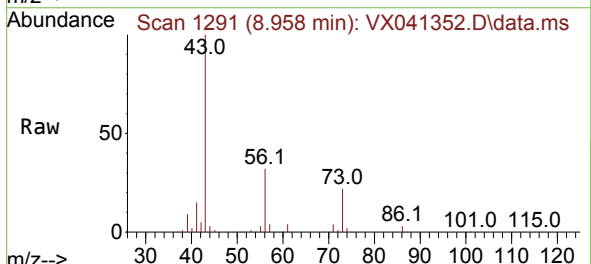
Instrument :
MSVOA_X
ClientSampleId :

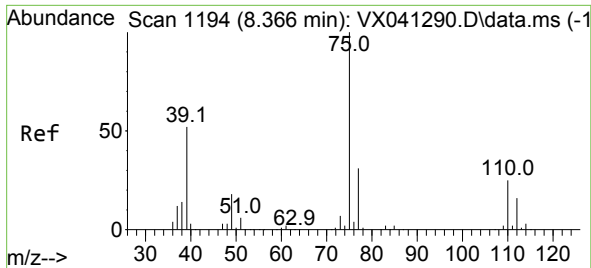
Tgt Ion: 43 Resp: 89806
Ion Ratio Lower Upper
43 100
58 8.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.358 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Tgt Ion: 75 Resp: 691
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

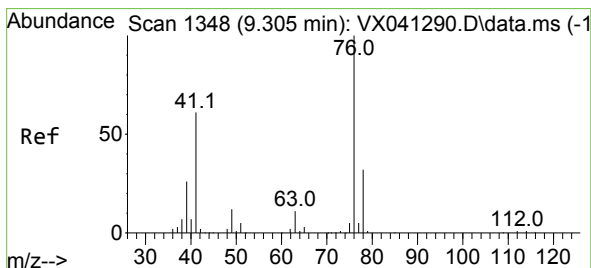
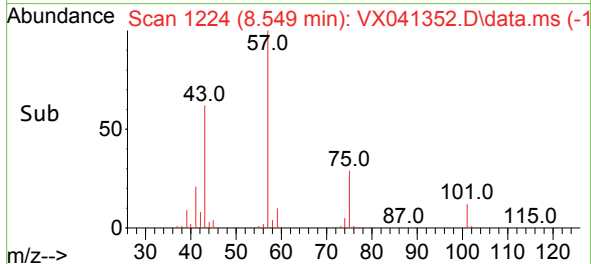
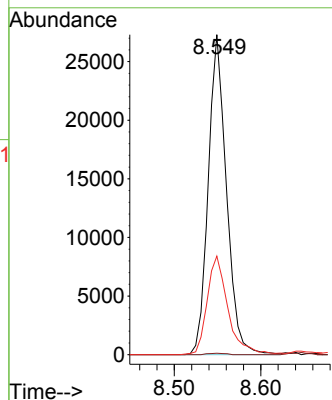
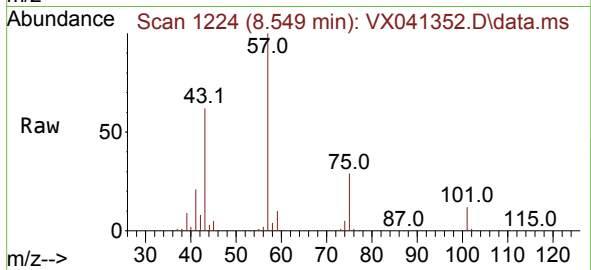




#54
 cis-1,3-Dichloropropene
 Concen: 18.629 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041352.D
 Acq: 02 May 2024 14:37

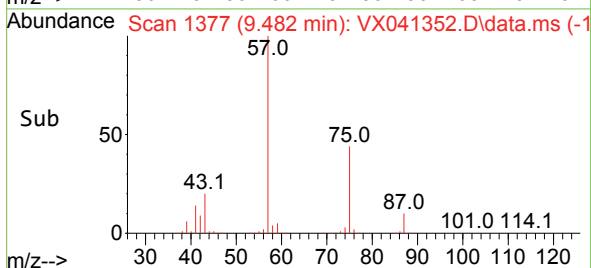
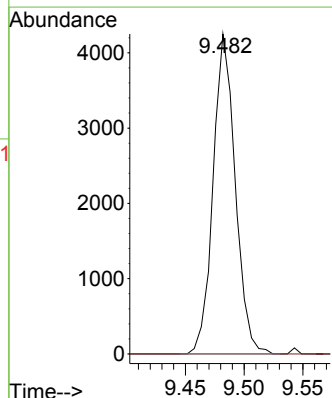
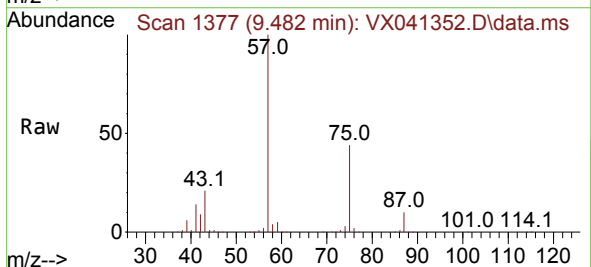
Instrument :
 MSVOA_X
 ClientSampleId :

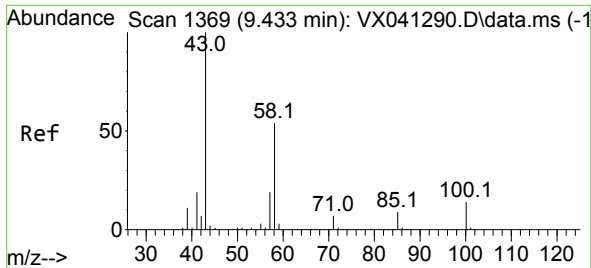
Tgt Ion: 75 Resp: 39923
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 30.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.300 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041352.D
 Acq: 02 May 2024 14:37

Tgt Ion: 76 Resp: 5562
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 42.693 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

Instrument :

MSVOA_X

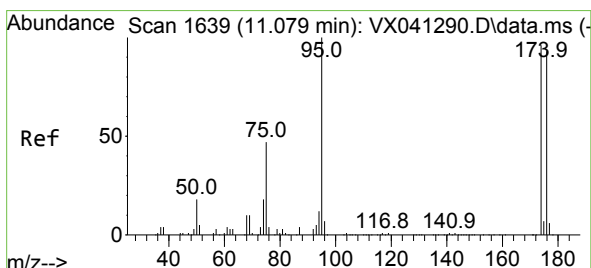
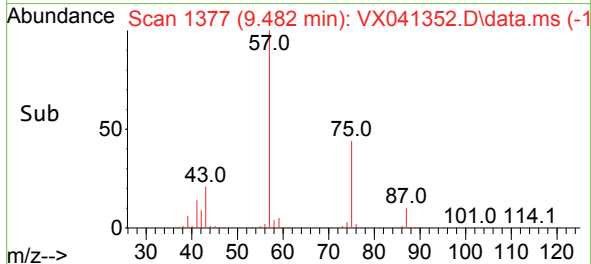
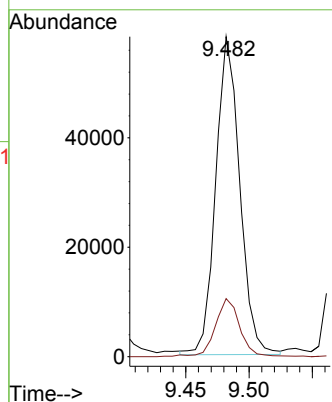
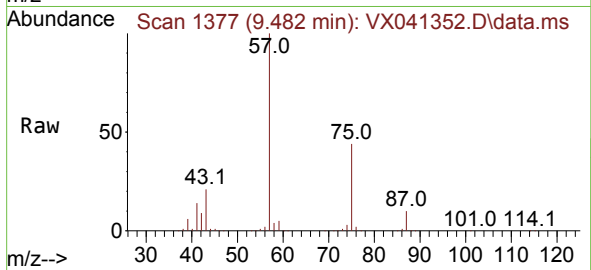
ClientSampleId :

Tgt Ion: 43 Resp: 76674

Ion Ratio Lower Upper

43 100

58 18.8 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 62.090 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX041352.D

Acq: 02 May 2024 14:37

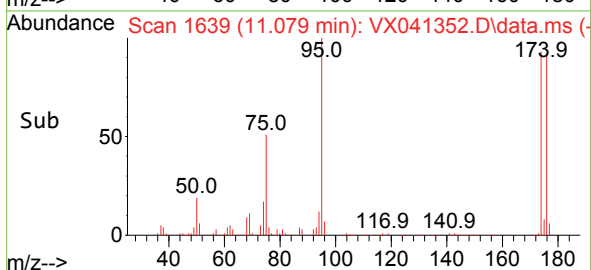
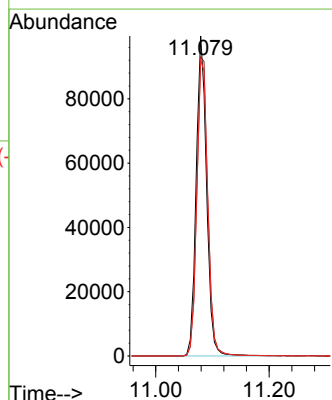
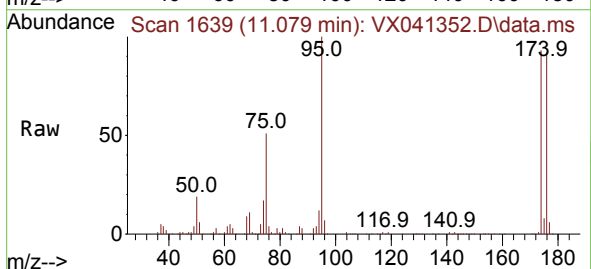
Tgt Ion: 95 Resp: 126930

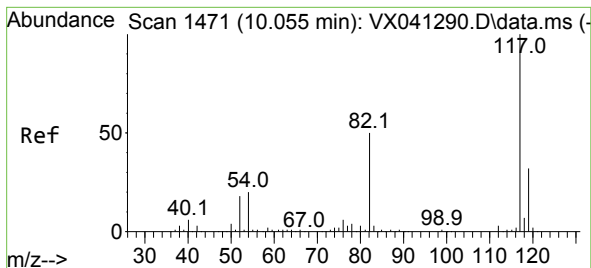
Ion Ratio Lower Upper

95 100

174 98.8 0.0 135.6

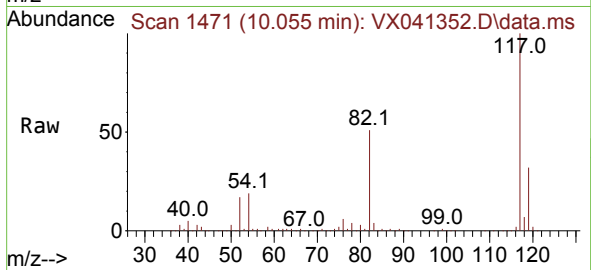
176 96.9 0.0 131.0



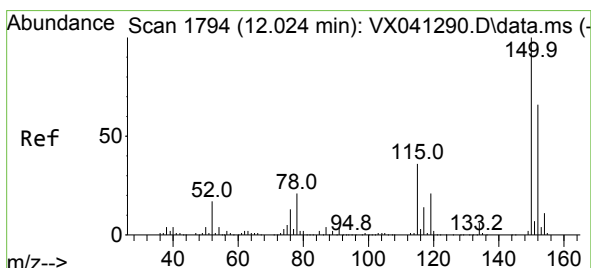
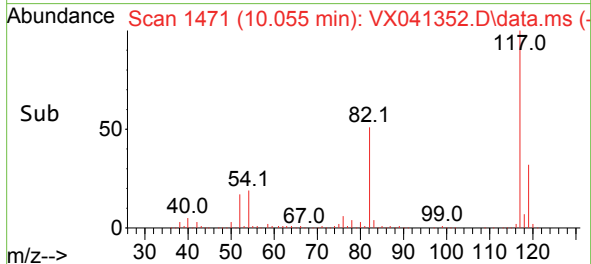
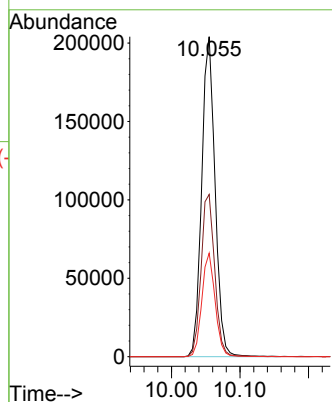


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

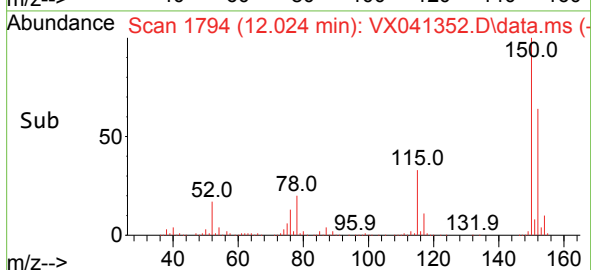
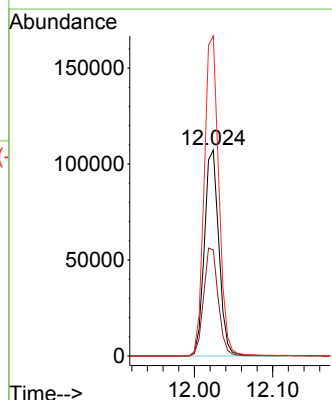
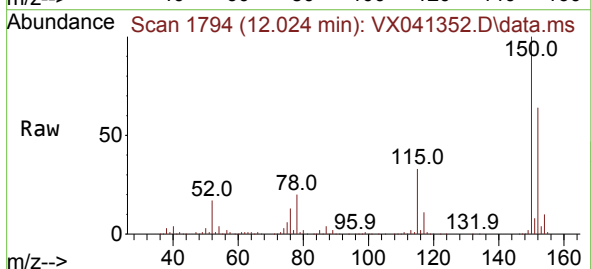


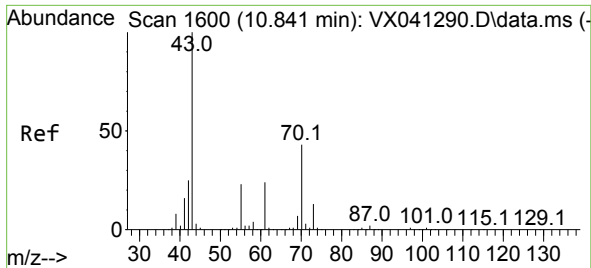
Tgt Ion:117 Resp: 277404
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

Tgt Ion:152 Resp: 137756
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 157.0 0.0 345.0

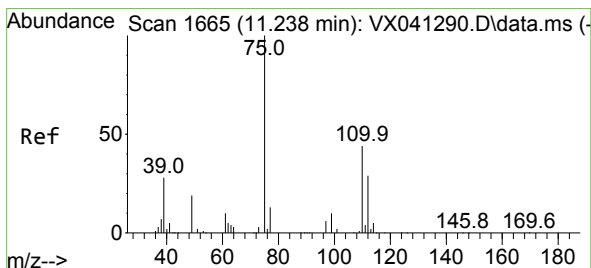
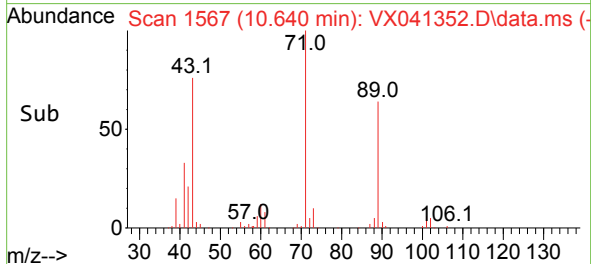
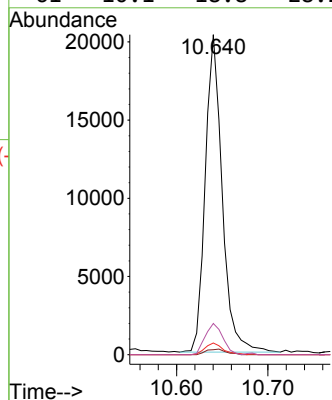
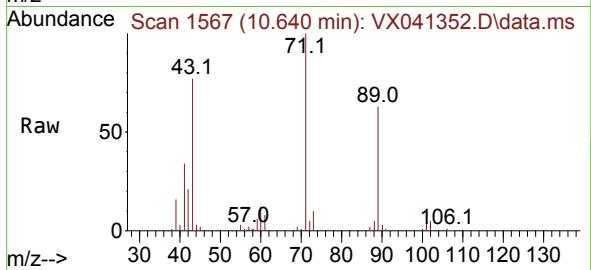




#74
N-amy1 acetate
Concen: 7.105 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

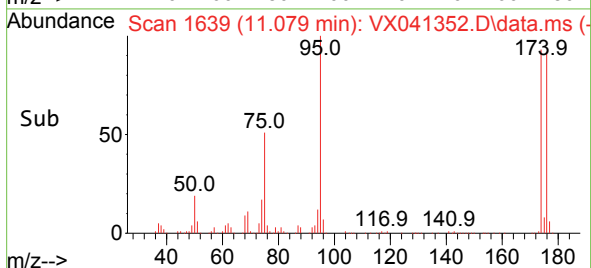
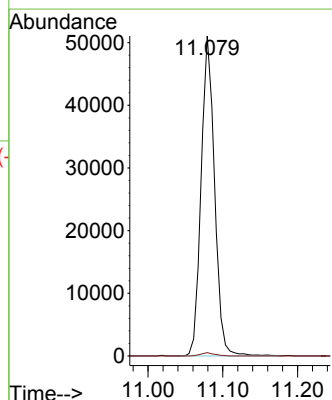
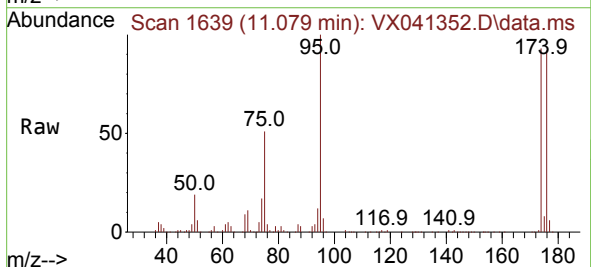
Instrument :
MSVOA_X
ClientSampleId :

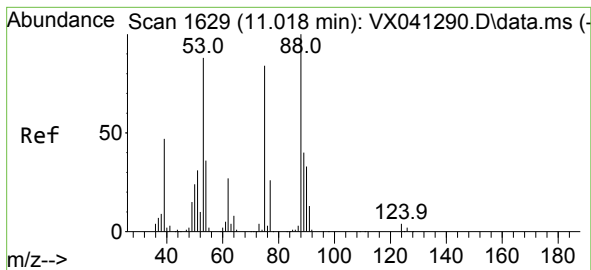
Tgt Ion: 43	Resp: 26101
Ion Ratio	Lower Upper
43	100
70	2.0 32.9 49.3#
55	4.0 19.3 28.9#
61	10.1 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.446 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041352.D
Acq: 02 May 2024 14:37

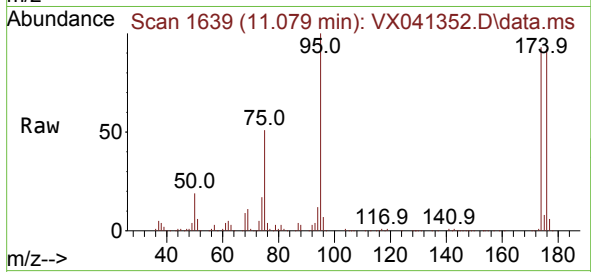
Tgt Ion: 75	Resp: 63861
Ion Ratio	Lower Upper
75	100
77	1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.483 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041352.D
 Acq: 02 May 2024 14:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 63861
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

