

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051424\
 Data File : VX041515.D
 Acq On : 14 May 2024 13:16
 Operator : JC/MD
 Sample : P2444-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-DD

Quant Time: May 15 00:59:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

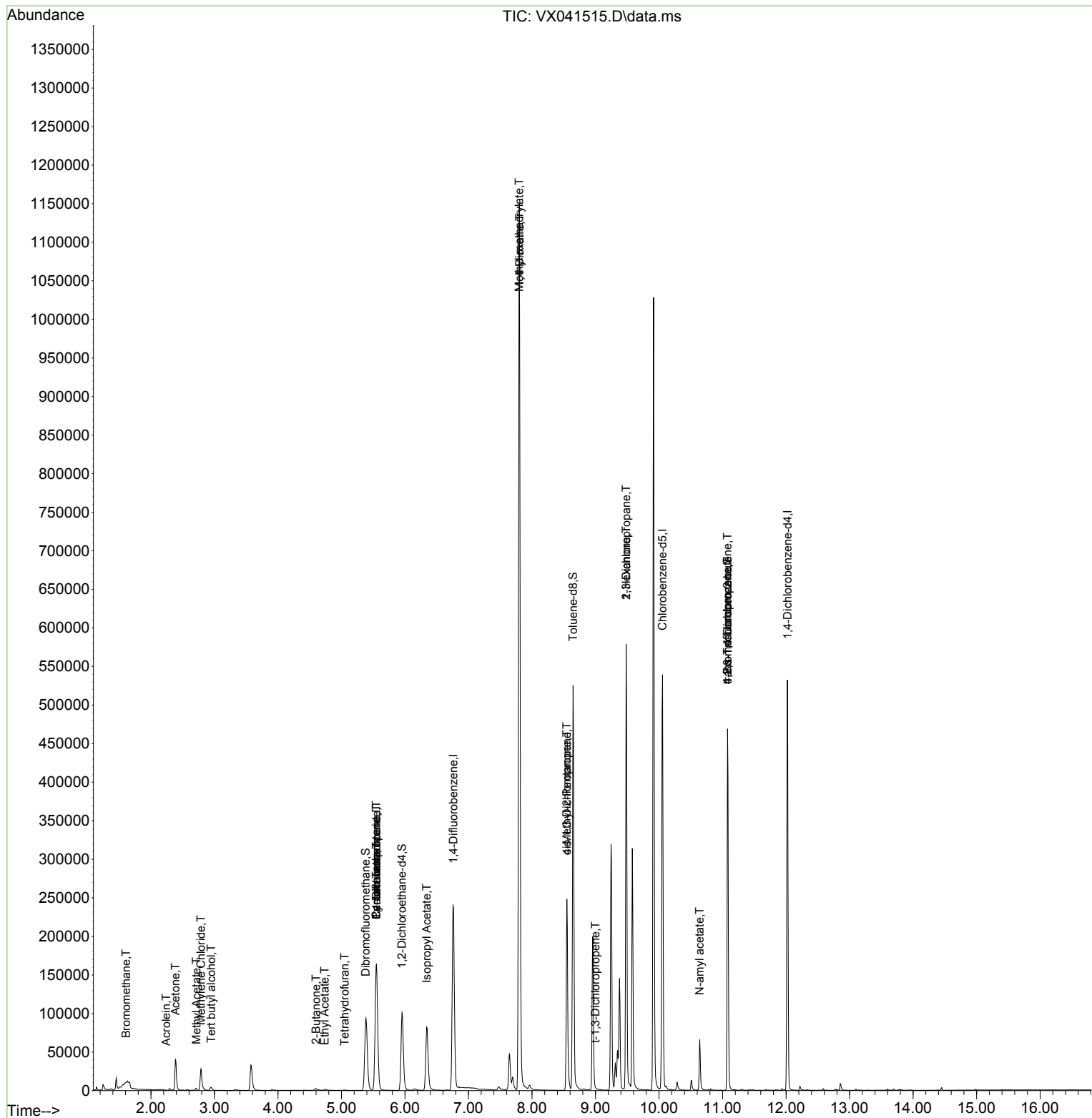
Internal Standards						
1) Pentafluorobenzene	5.550	168	173776	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	259517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99281	52.480	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.960%	
35) Dibromofluoromethane	5.379	113	80947	46.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.060%	
50) Toluene-d8	8.647	98	304101	54.632	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.260%	
62) 4-Bromofluorobenzene	11.079	95	113369	52.613	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.220%	
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	413	0.468	ug/l	85
11) Tert butyl alcohol	2.947	59	3333	8.802	ug/l	# 78
13) Acrolein	2.239	56	188	0.626	ug/l	# 58
16) Acetone	2.386	43	47305	53.712	ug/l	97
18) Methyl Acetate	2.715	43	3768	1.947	ug/l	96
20) Methylene Chloride	2.788	84	13894	8.460	ug/l	94
25) 2-Butanone	4.599	43	5103	4.168	ug/l	92
29) Tetrahydrofuran	5.050	42	510	0.637	ug/l	# 52
31) Cyclohexane	5.550	56	3075	1.347	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	11034	5.247	ug/l	# 52
37) Ethyl Acetate	4.733	43	3160	1.204	ug/l	# 90
38) Carbon Tetrachloride	5.550	117	15413	6.398	ug/l	# 16
43) Isopropyl Acetate	6.342	43	118051	29.923	ug/l	98
48) Methyl methacrylate	7.799	41	104901	58.004	ug/l	# 48
49) 1,4-Dioxane	7.805	88	137	3.504	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	89781	37.925	ug/l	# 50
53) t-1,3-Dichloropropene	9.000	75	23	2.451	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39832	17.633	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	5120	2.009	ug/l	# 42
59) 2-Hexanone	9.482	43	71338	37.685	ug/l	# 53
74) N-amyl acetate	10.640	43	17258	5.242	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	57974	28.819	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	57974	78.499	ug/l	# 5

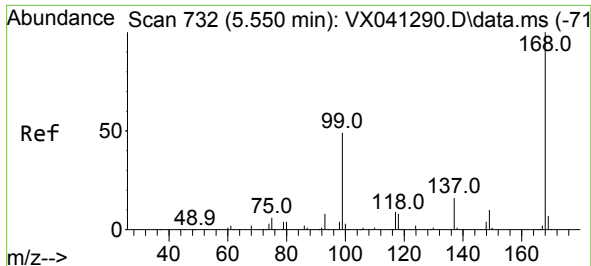
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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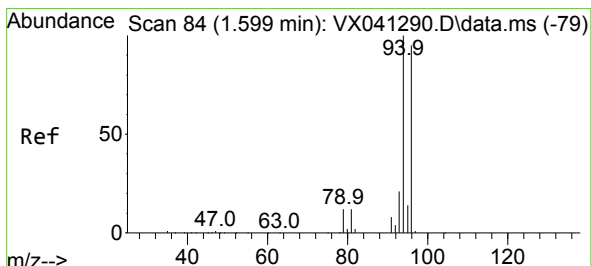
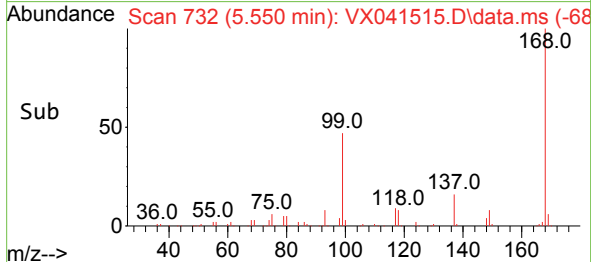
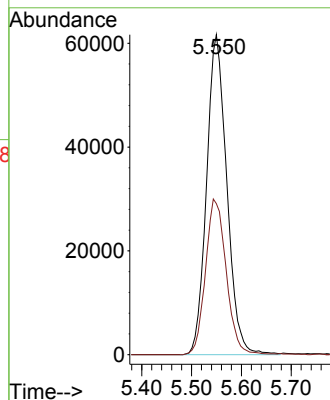
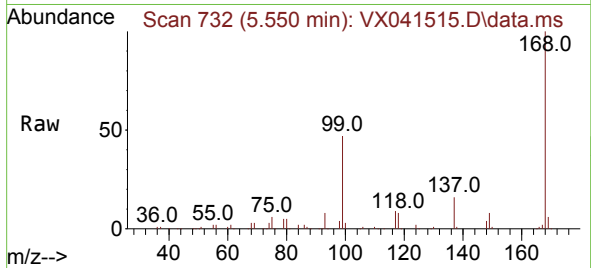




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

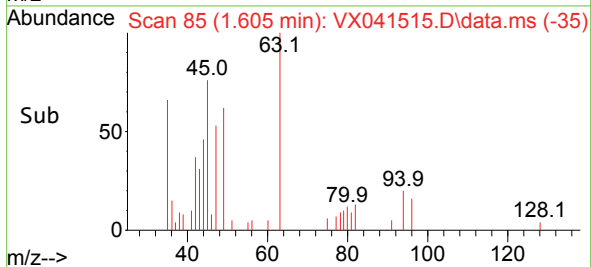
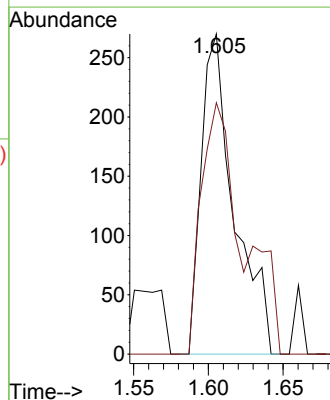
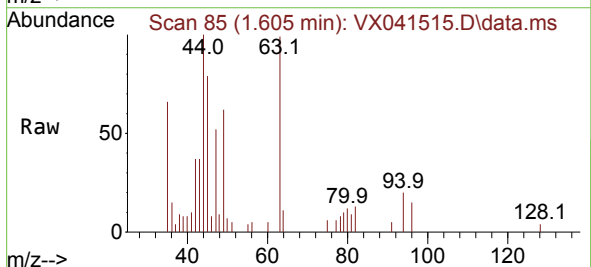
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

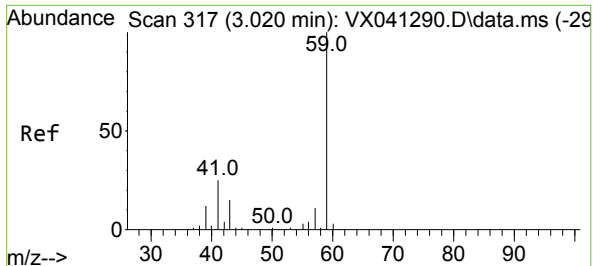
Tgt Ion:168 Resp: 173776
Ion Ratio Lower Upper
168 100
99 47.2 56.6 85.0#



#5
Bromomethane
Concen: 0.468 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 78.5 74.6 111.8





#11

Tert butyl alcohol

Concen: 8.802 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Instrument :

MSVOA_X

ClientSampleId :

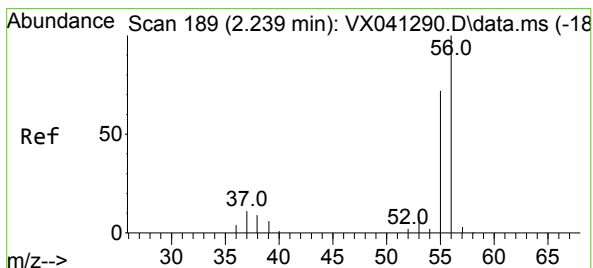
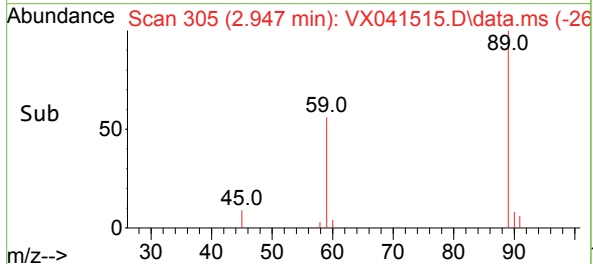
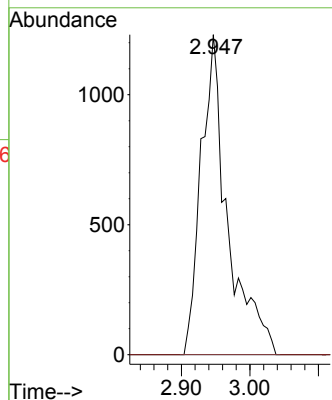
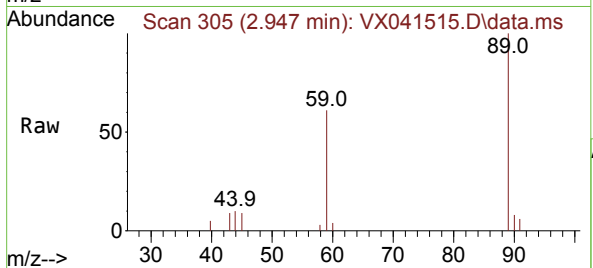
WC-DD

Tgt Ion: 59 Resp: 3333

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.626 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041515.D

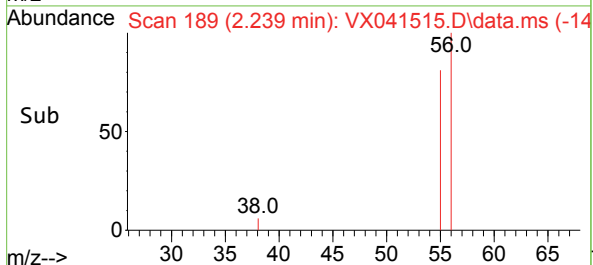
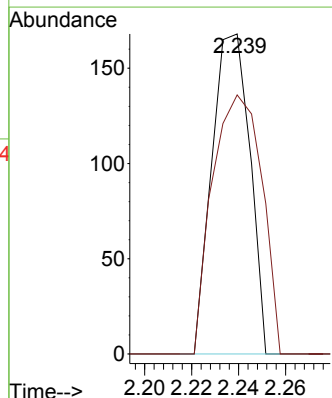
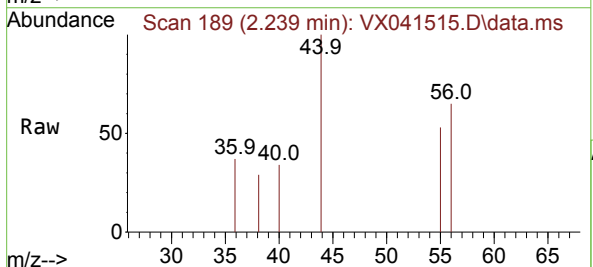
Acq: 14 May 2024 13:16

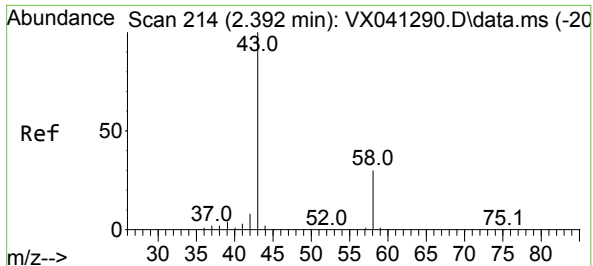
Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 105.9 57.1 85.7#

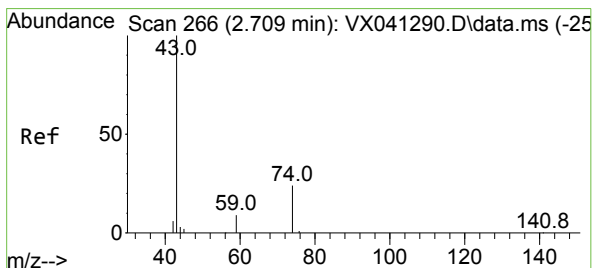
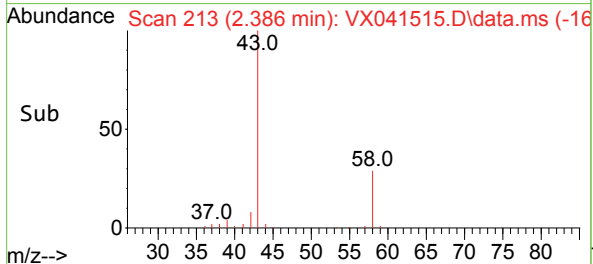
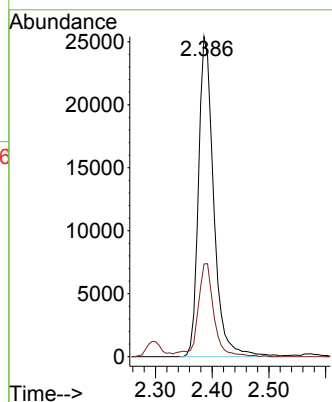
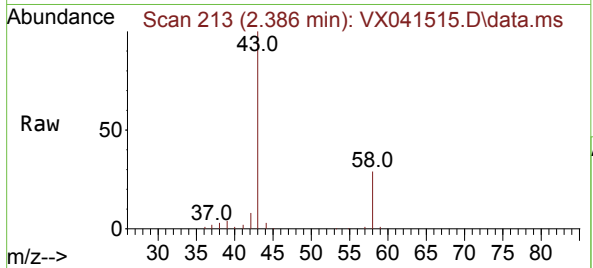




#16
Acetone
Concen: 53.712 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

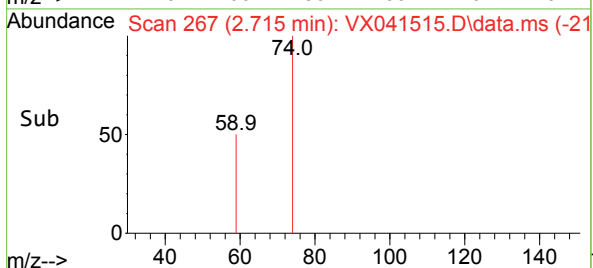
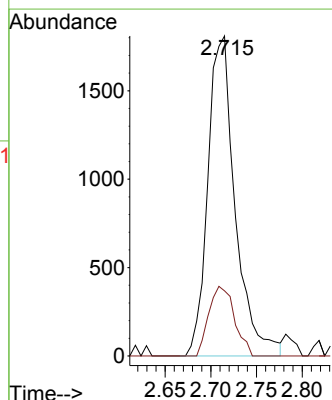
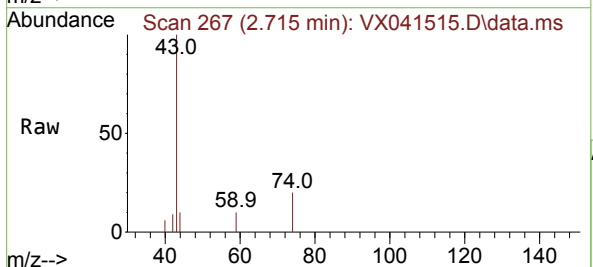
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

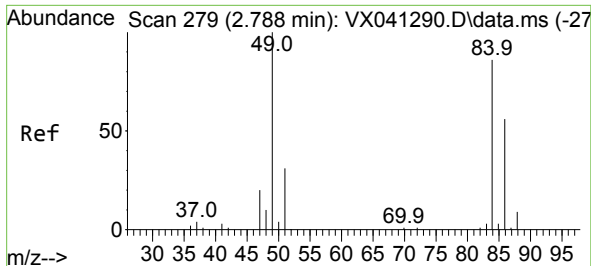
Tgt Ion: 43 Resp: 47305
Ion Ratio Lower Upper
43 100
58 29.0 21.9 32.9



#18
Methyl Acetate
Concen: 1.947 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8

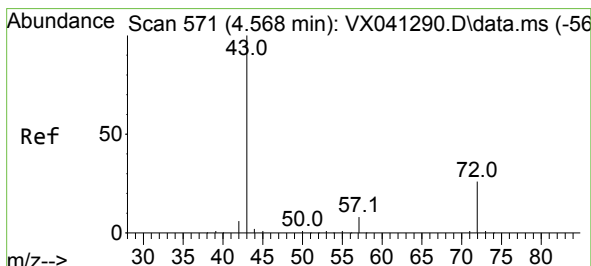
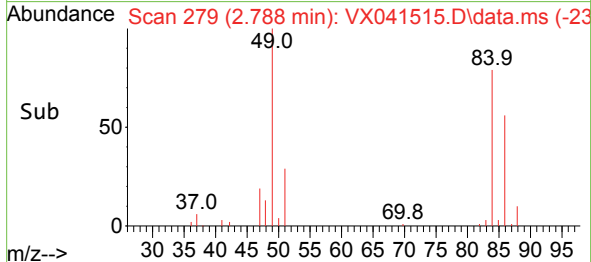
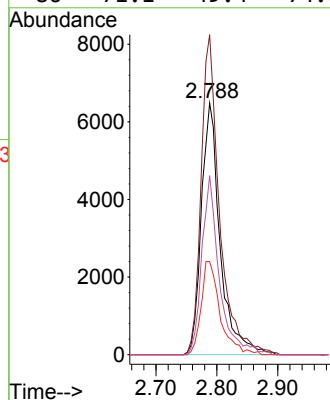
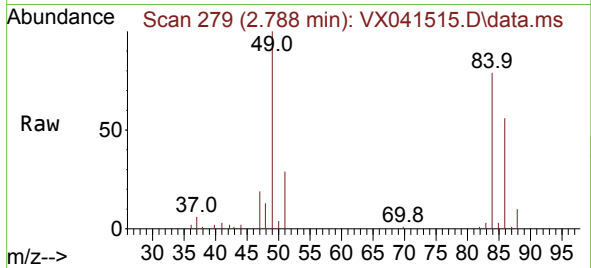




#20
Methylene Chloride
Concen: 8.460 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

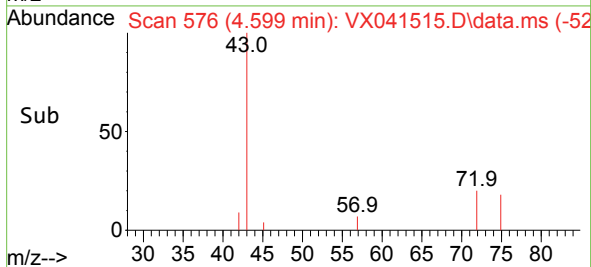
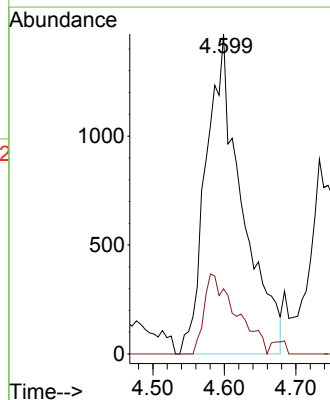
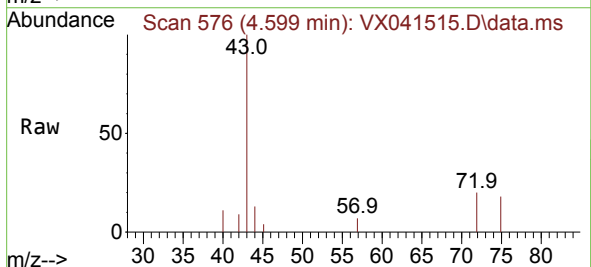
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

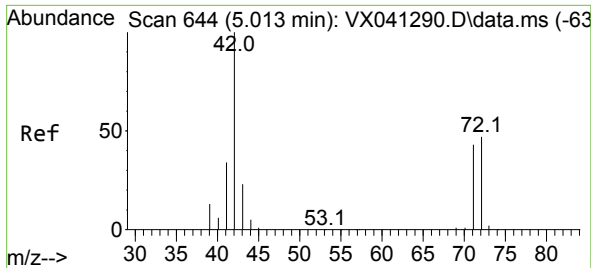
Tgt Ion:	84	Resp:	13894
Ion	Ratio	Lower	Upper
84	100		
49	127.1	103.6	155.4
51	37.0	33.8	50.6
86	71.1	49.4	74.0



#25
2-Butanone
Concen: 4.168 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion:	43	Resp:	5103
Ion	Ratio	Lower	Upper
43	100		
72	20.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.637 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Instrument :

MSVOA_X

ClientSampleId :

WC-DD

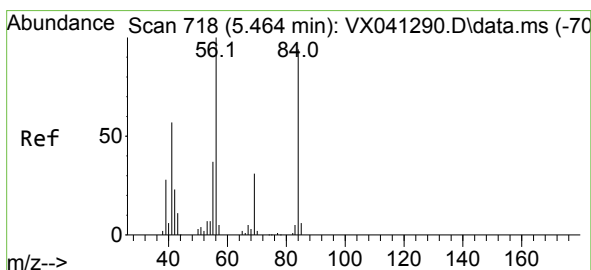
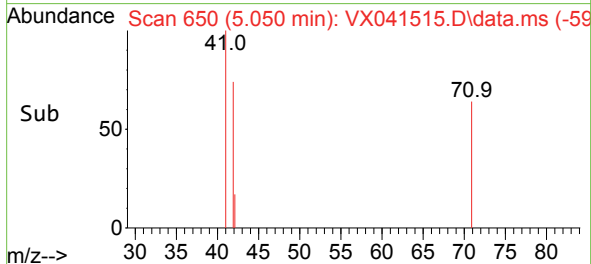
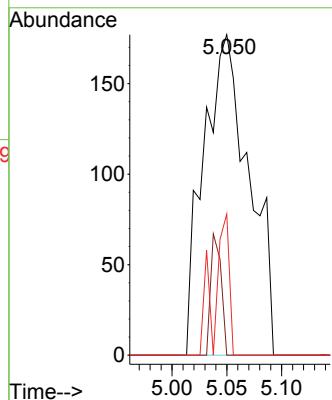
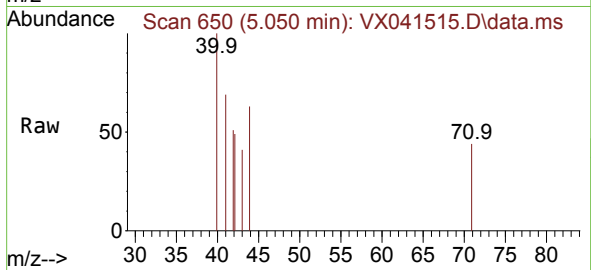
Tgt Ion: 42 Resp: 510

Ion Ratio Lower Upper

42 100

72 8.6 34.2 51.4#

71 14.3 32.2 48.2#



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

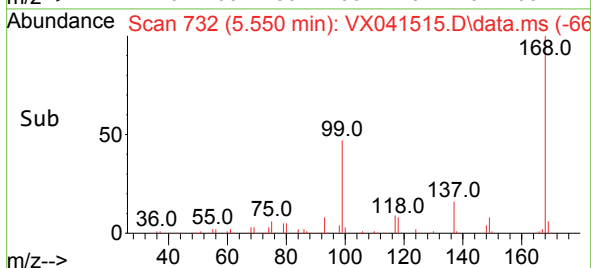
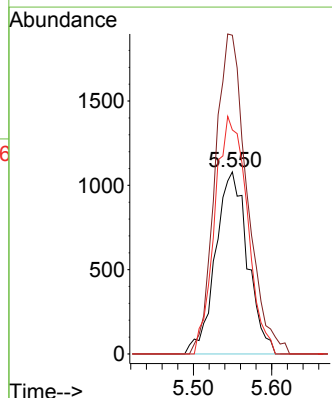
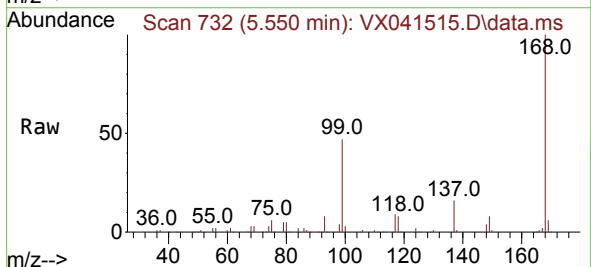
Tgt Ion: 56 Resp: 3075

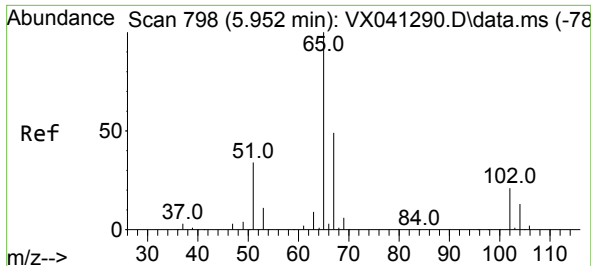
Ion Ratio Lower Upper

56 100

69 175.0 23.4 35.2#

84 123.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 52.480 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Instrument :

MSVOA_X

ClientSampleId :

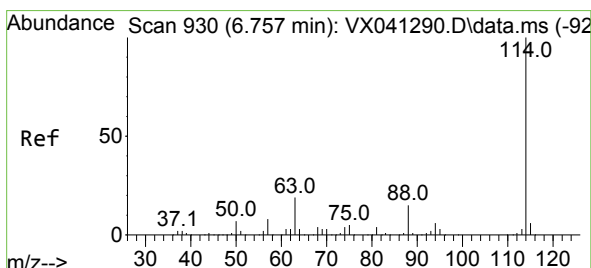
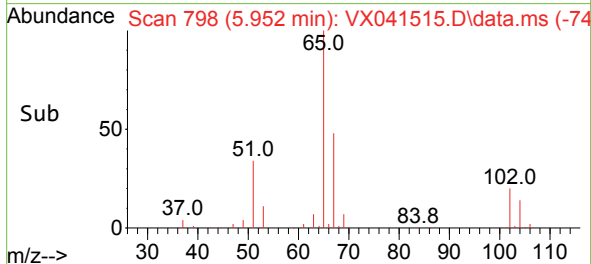
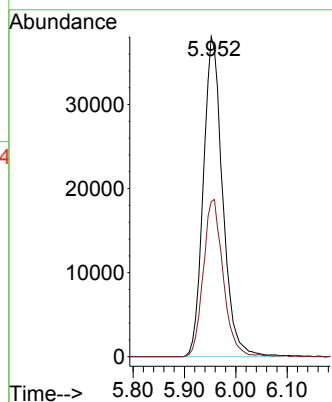
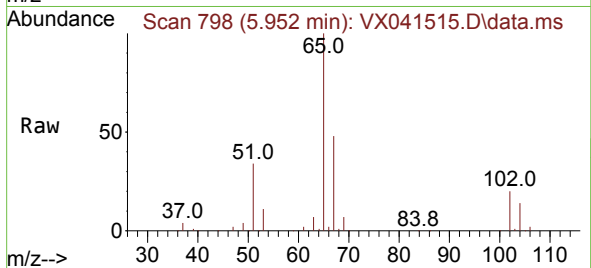
WC-DD

Tgt Ion: 65 Resp: 99281

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

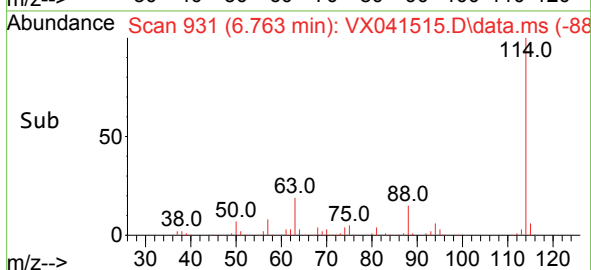
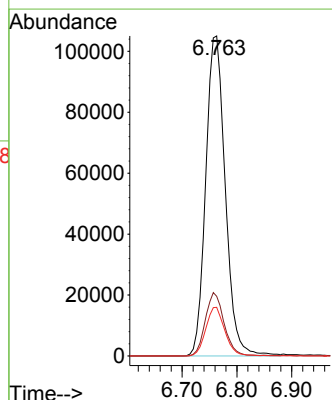
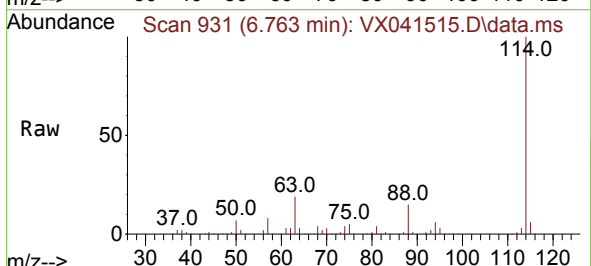
Tgt Ion: 114 Resp: 259517

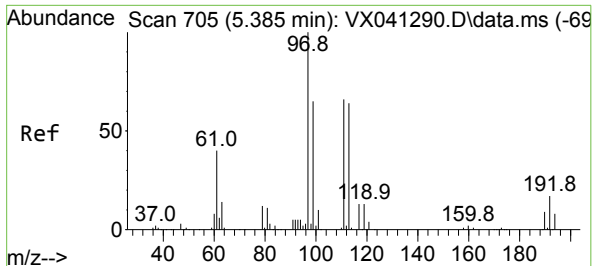
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

88 15.2 0.0 36.6

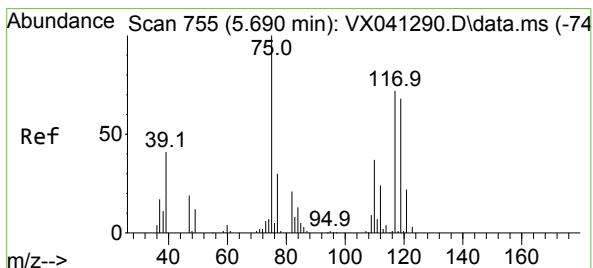
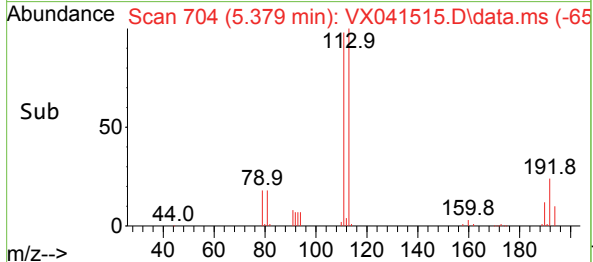
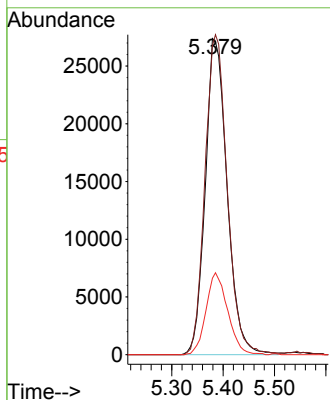
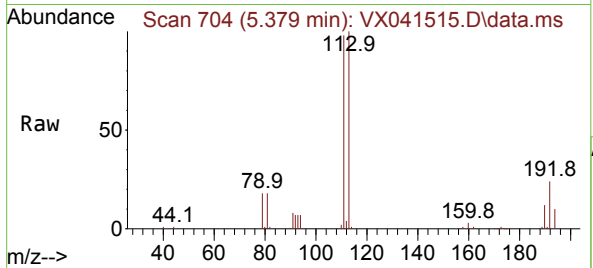




#35
Dibromofluoromethane
Concen: 46.027 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

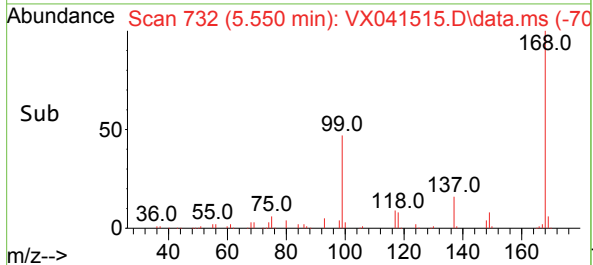
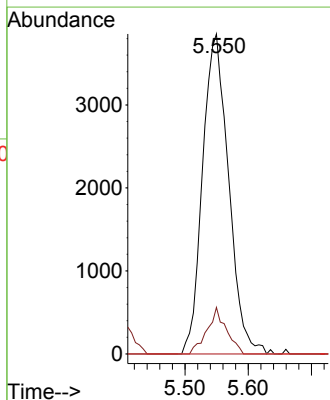
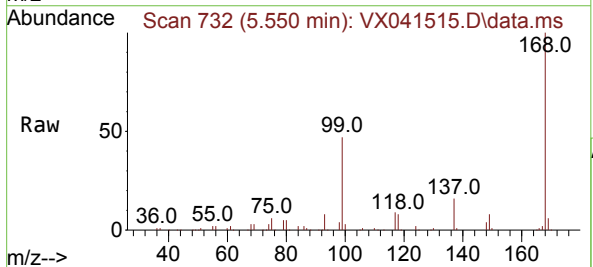
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

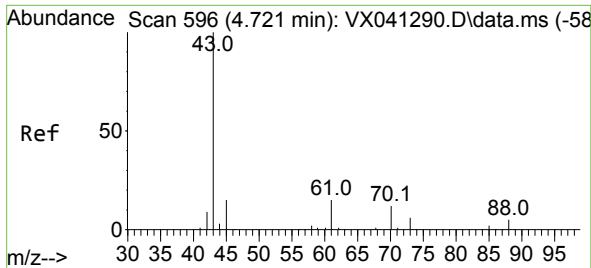
Tgt Ion:113 Resp: 80947
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 25.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.247 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 75 Resp: 11034
Ion Ratio Lower Upper
75 100
110 10.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.204 ug/l

RT: 4.733 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

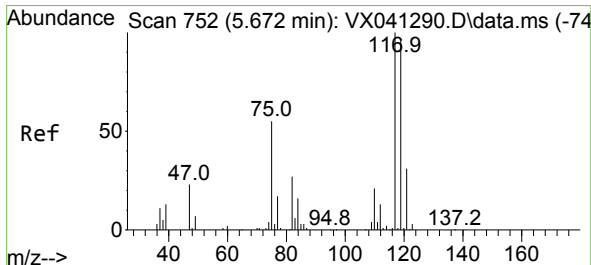
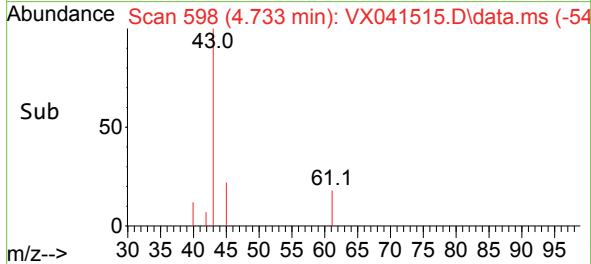
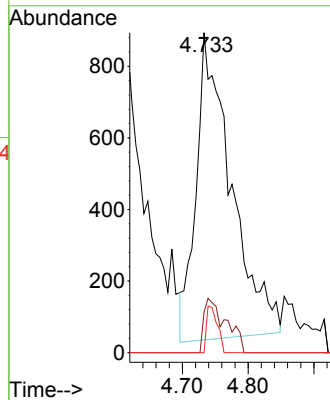
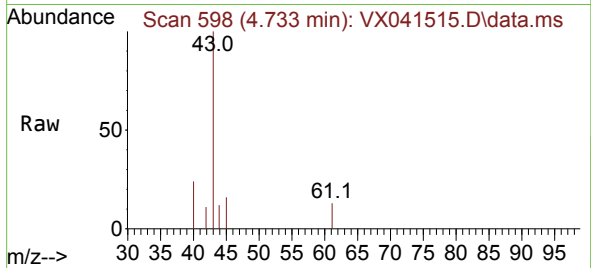
Instrument :

MSVOA_X

ClientSampleId :

WC-DD

Tgt Ion: 43	Resp:	3160
Ion	Ratio	Lower Upper
43	100	
61	11.3	10.6 16.0
70	4.7	8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.398 ug/l

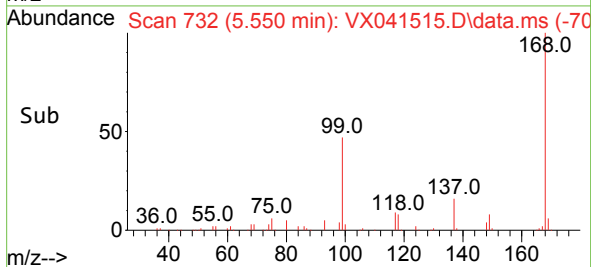
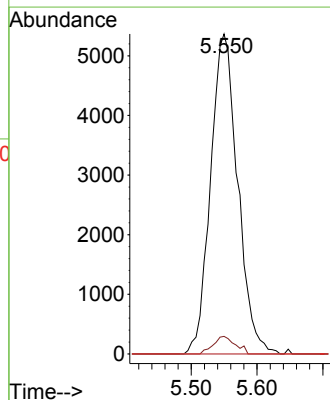
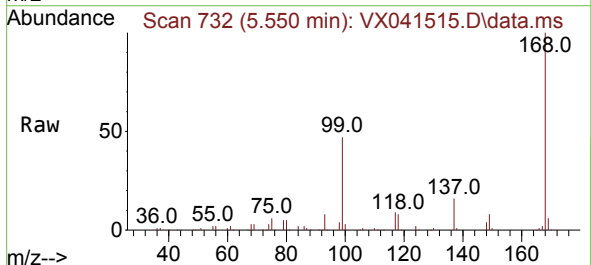
RT: 5.550 min Scan# 732

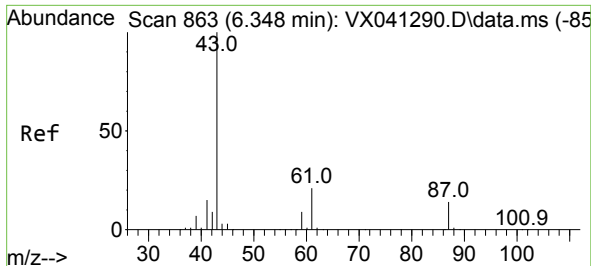
Delta R.T. -0.122 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Tgt Ion: 117	Resp:	15413
Ion	Ratio	Lower Upper
117	100	
119	5.5	78.2 117.2#
121	0.0	24.4 36.6#

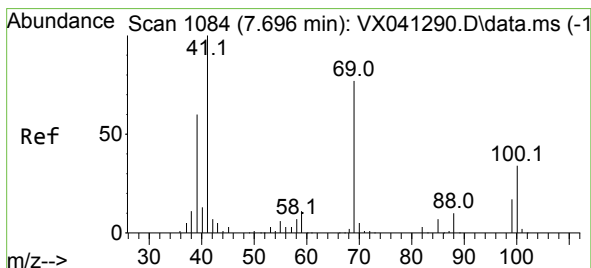
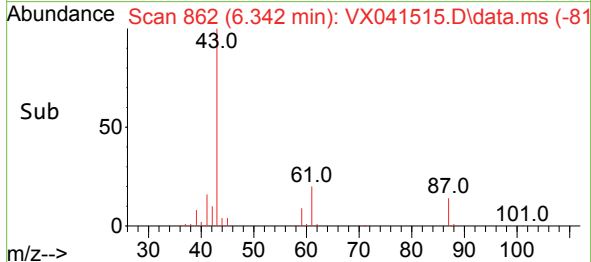
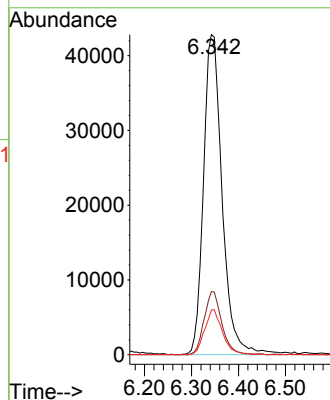
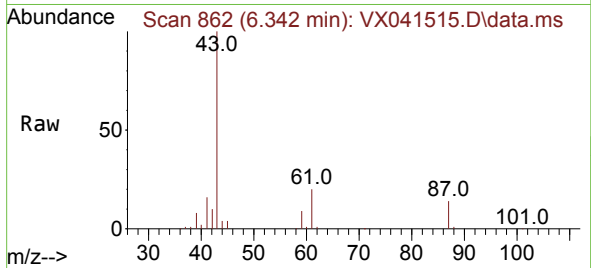




#43
Isopropyl Acetate
Concen: 29.923 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

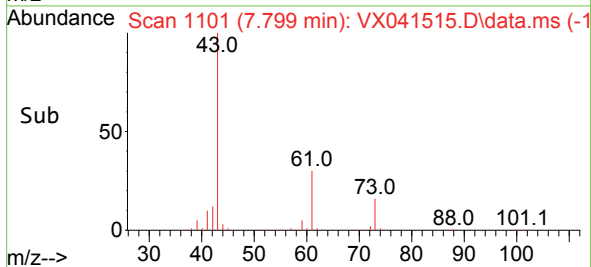
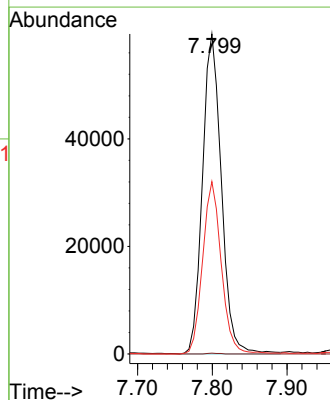
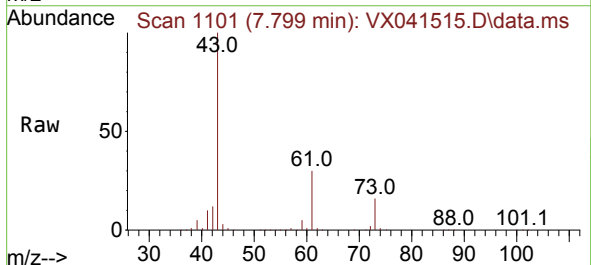
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

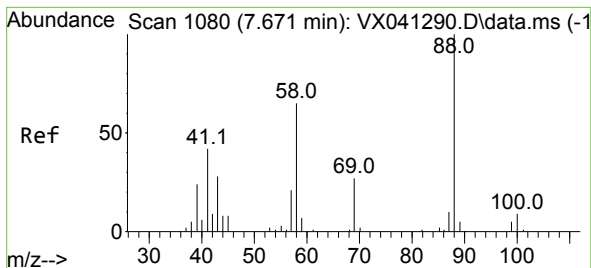
Tgt Ion: 43 Resp: 118051
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 13.3 9.8 14.6



#48
Methyl methacrylate
Concen: 58.004 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 41 Resp: 104901
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.1 47.7 71.5





#49

1,4-Dioxane

Concen: 3.504 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.134 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Instrument :

MSVOA_X

ClientSampleId :

WC-DD

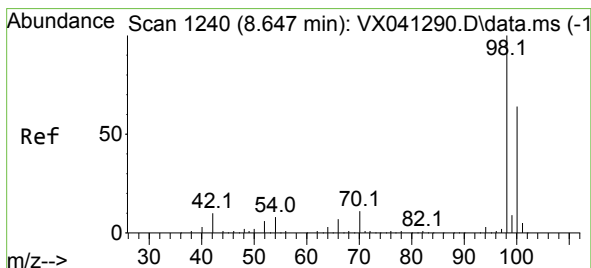
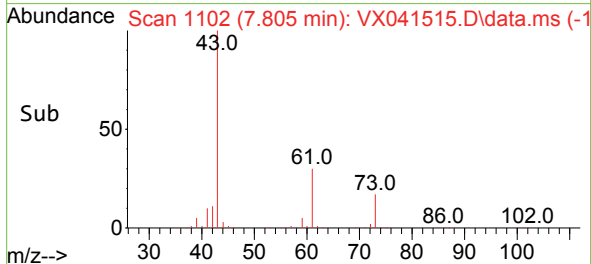
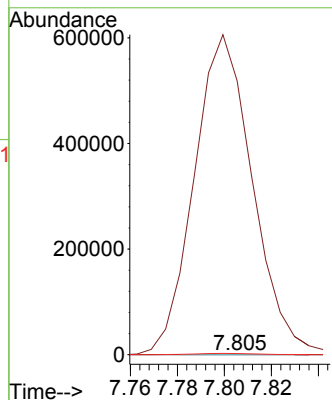
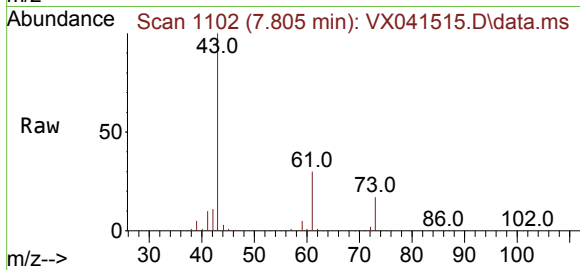
Tgt Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 775573.0 0.0 0.0#

58 3255.5 60.1 90.1#



#50

Toluene-d8

Concen: 54.632 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041515.D

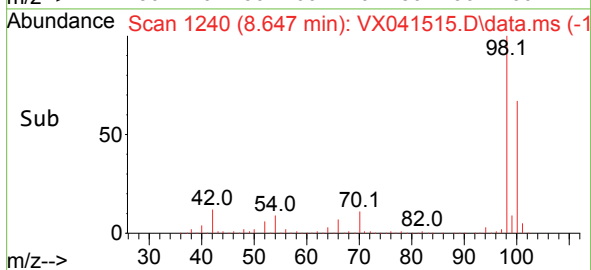
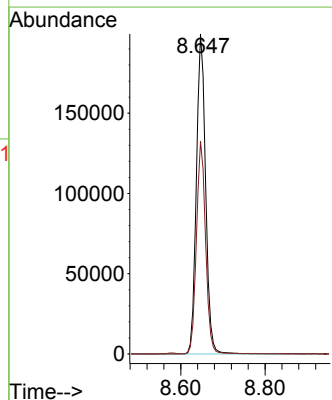
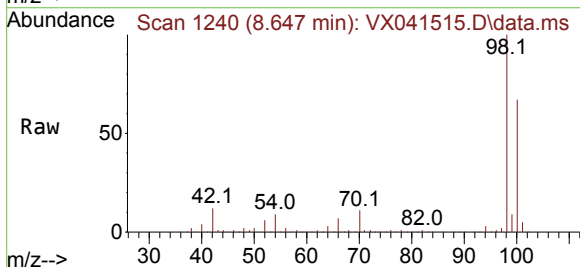
Acq: 14 May 2024 13:16

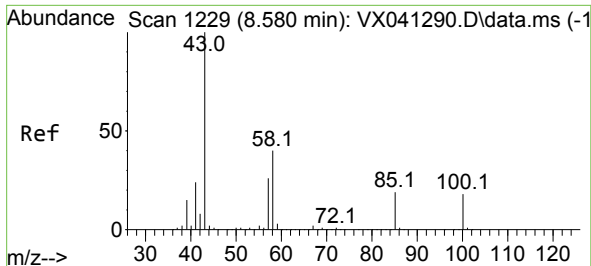
Tgt Ion: 98 Resp: 304101

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

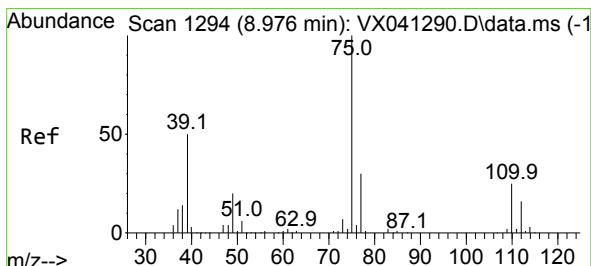
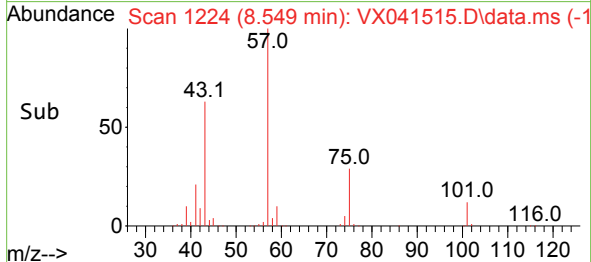
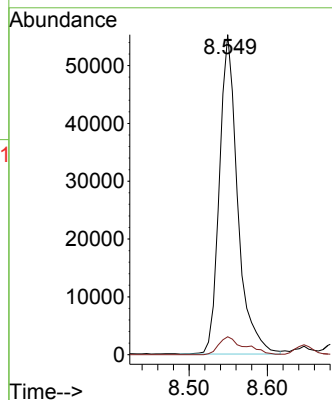
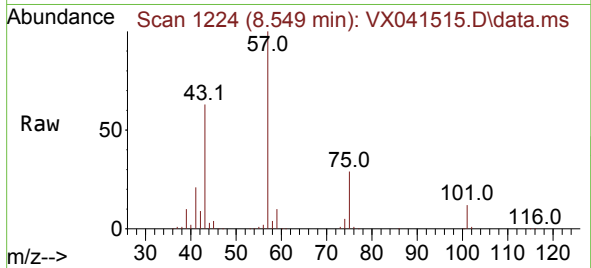




#51
4-Methyl-2-Pentanone
Concen: 37.925 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

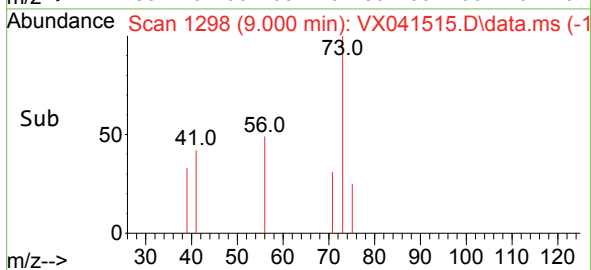
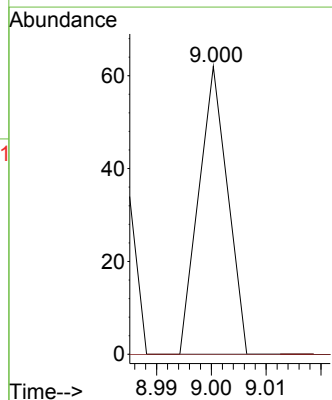
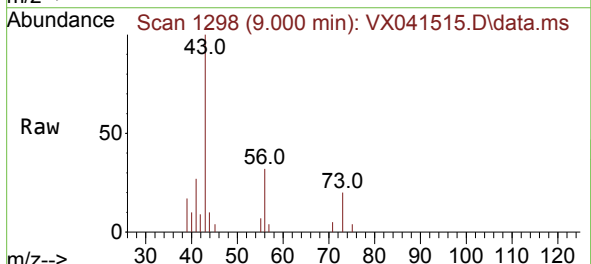
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

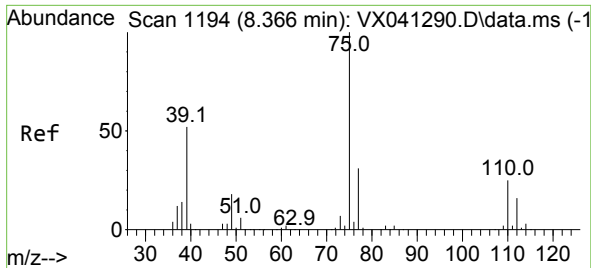
Tgt Ion: 43 Resp: 89781
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.451 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.024 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

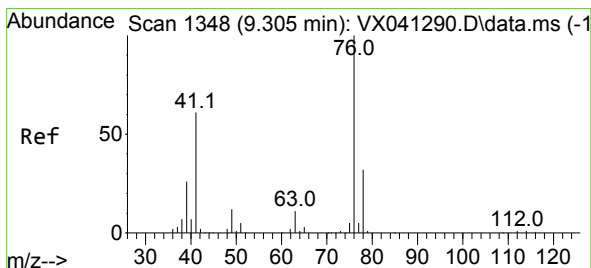
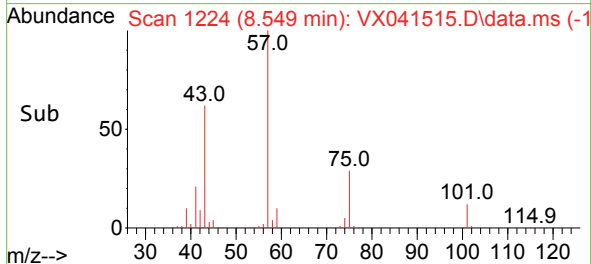
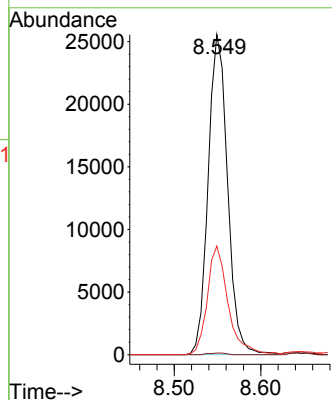
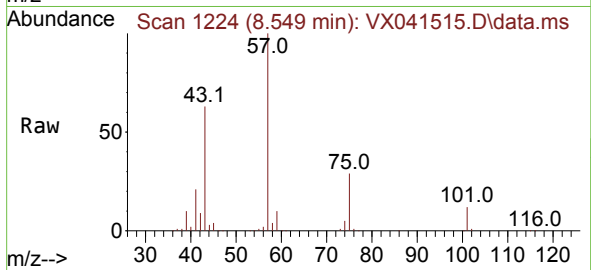




#54
cis-1,3-Dichloropropene
Concen: 17.633 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

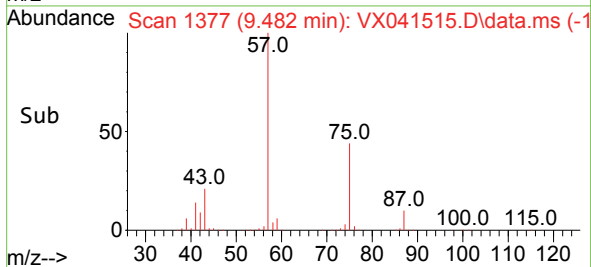
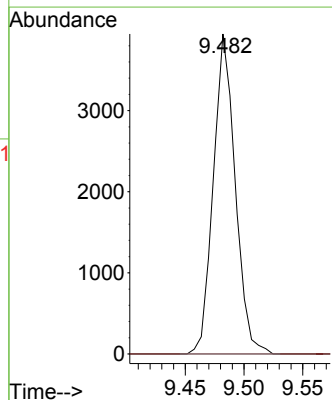
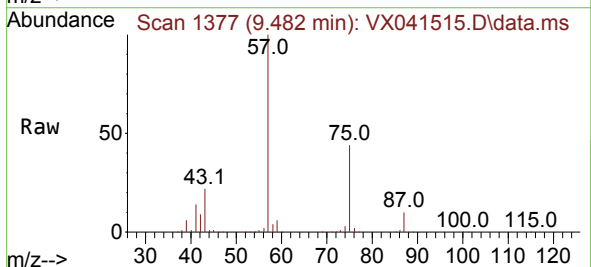
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

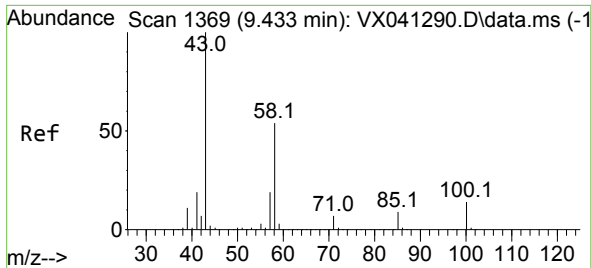
Tgt Ion: 75 Resp: 39832
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 33.9 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.009 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 76 Resp: 5120
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

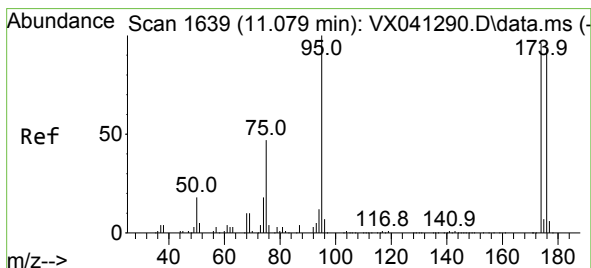
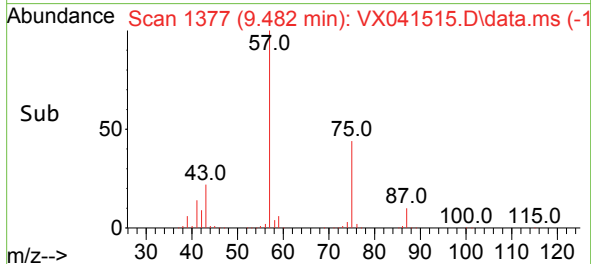
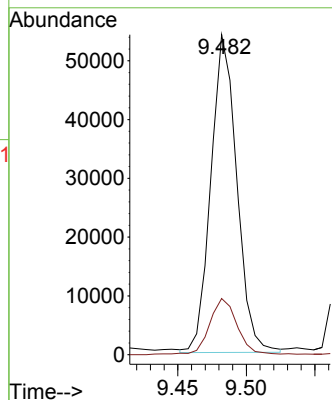
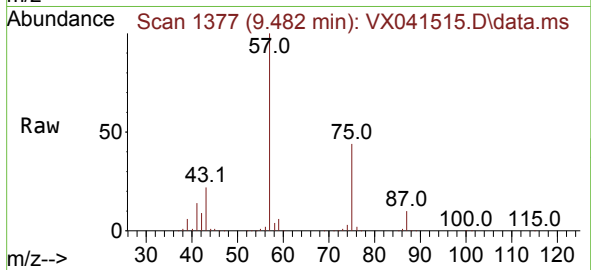




#59
2-Hexanone
Concen: 37.685 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

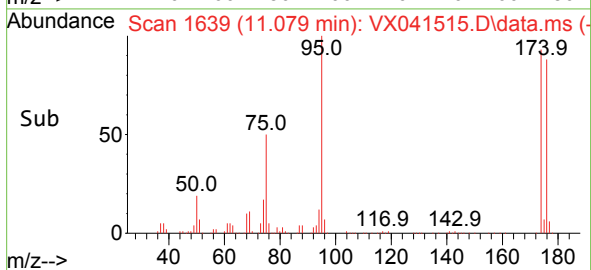
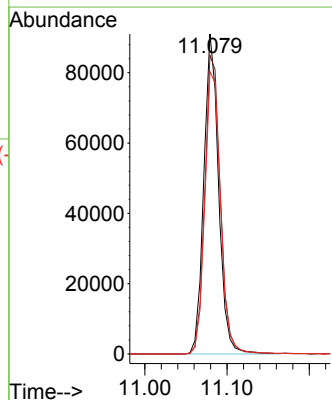
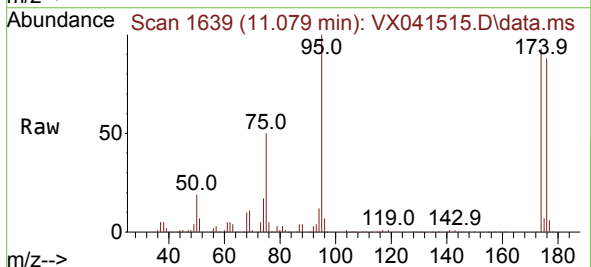
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

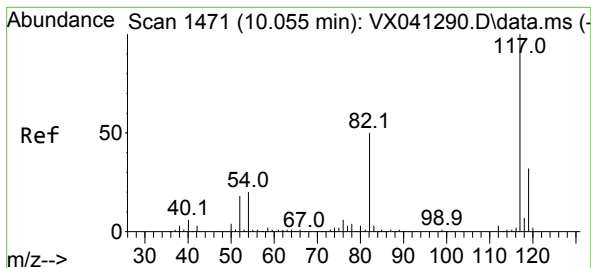
Tgt Ion: 43 Resp: 71338
Ion Ratio Lower Upper
43 100
58 19.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion: 95 Resp: 113369
Ion Ratio Lower Upper
95 100
174 98.8 0.0 135.6
176 94.3 0.0 131.0

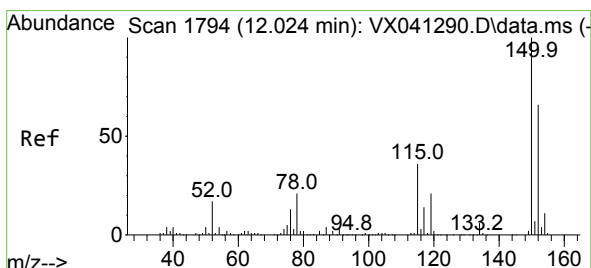
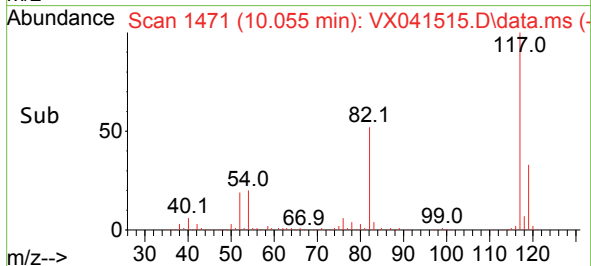
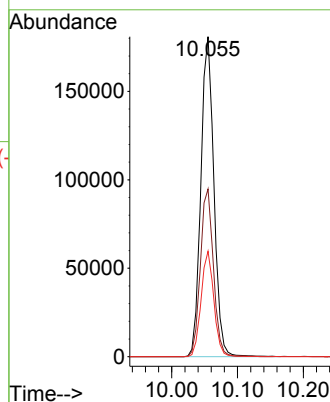
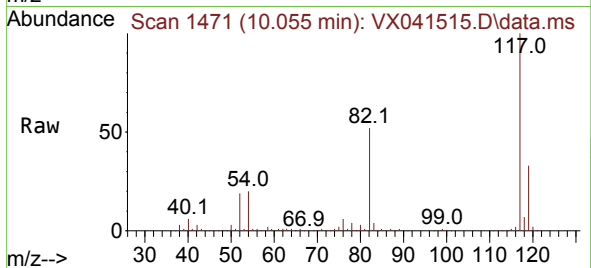




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

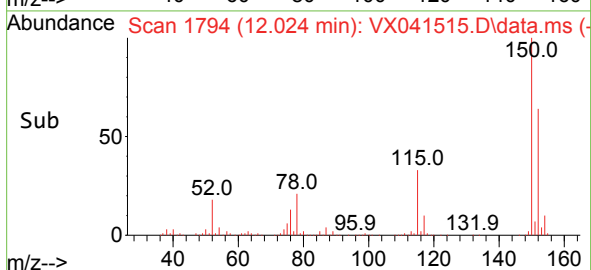
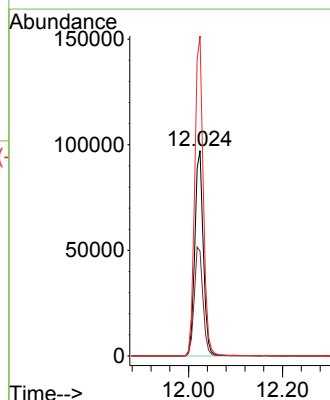
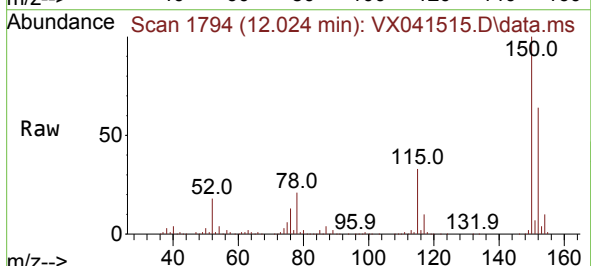
Instrument :
MSVOA_X
ClientSampleId :
WC-DD

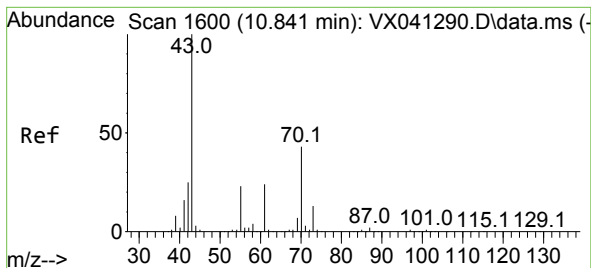
Tgt Ion:117 Resp: 249068
Ion Ratio Lower Upper
117 100
82 52.4 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041515.D
Acq: 14 May 2024 13:16

Tgt Ion:152 Resp: 123439
Ion Ratio Lower Upper
152 100
115 54.0 43.3 129.9
150 156.7 0.0 345.0





#74

N-ethyl acetate

Concen: 5.242 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.201 min

Lab File: VX041515.D

Acq: 14 May 2024 13:16

Instrument :

MSVOA_X

ClientSampleId :

WC-DD

Tgt Ion: 43 Resp: 17258

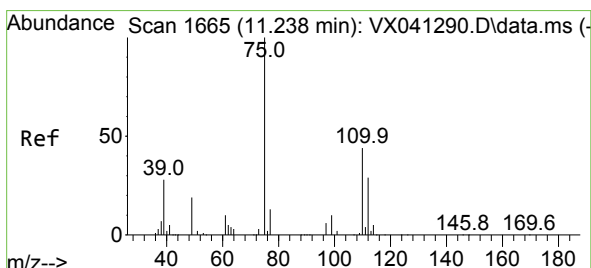
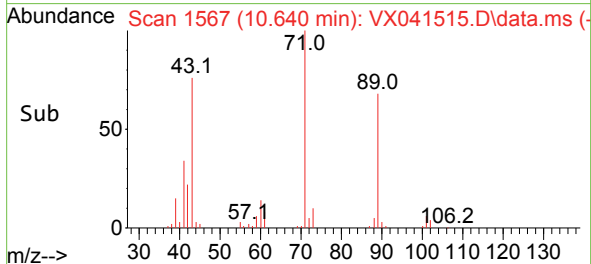
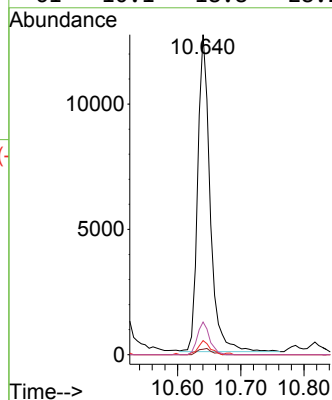
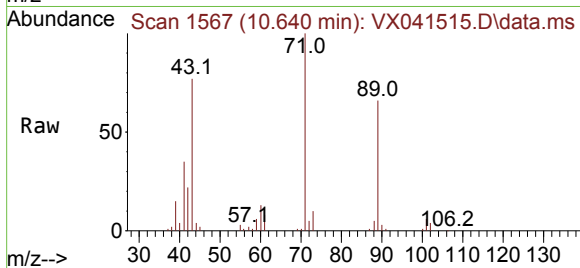
Ion Ratio Lower Upper

43 100

70 2.2 32.9 49.3#

55 4.2 19.3 28.9#

61 10.1 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 28.819 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041515.D

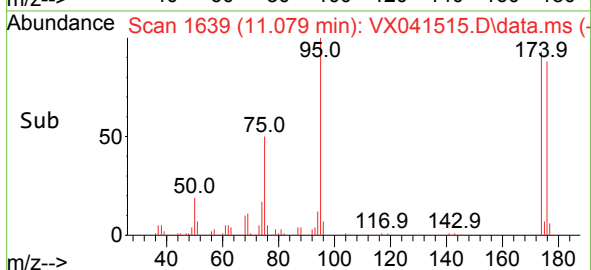
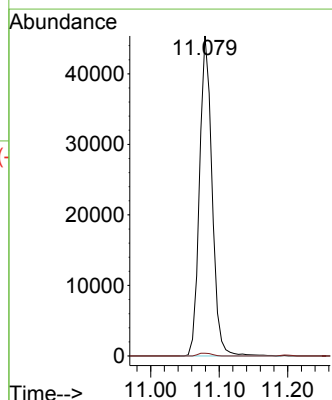
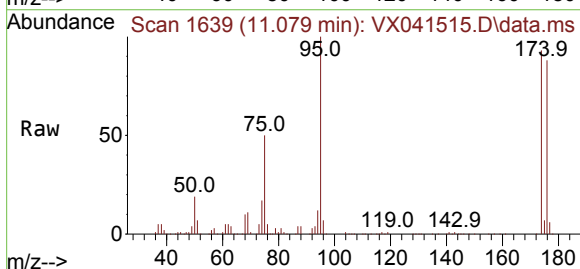
Acq: 14 May 2024 13:16

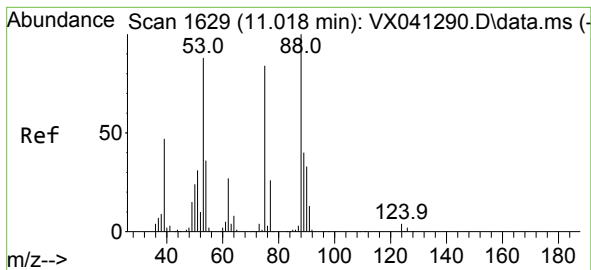
Tgt Ion: 75 Resp: 57974

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.499 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041515.D
 Acq: 14 May 2024 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-DD

Tgt Ion: 75 Resp: 57974
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

