

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041623.D
 Acq On : 23 May 2024 13:02
 Operator : JC/MD
 Sample : P2494-37
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 05:50:34 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)

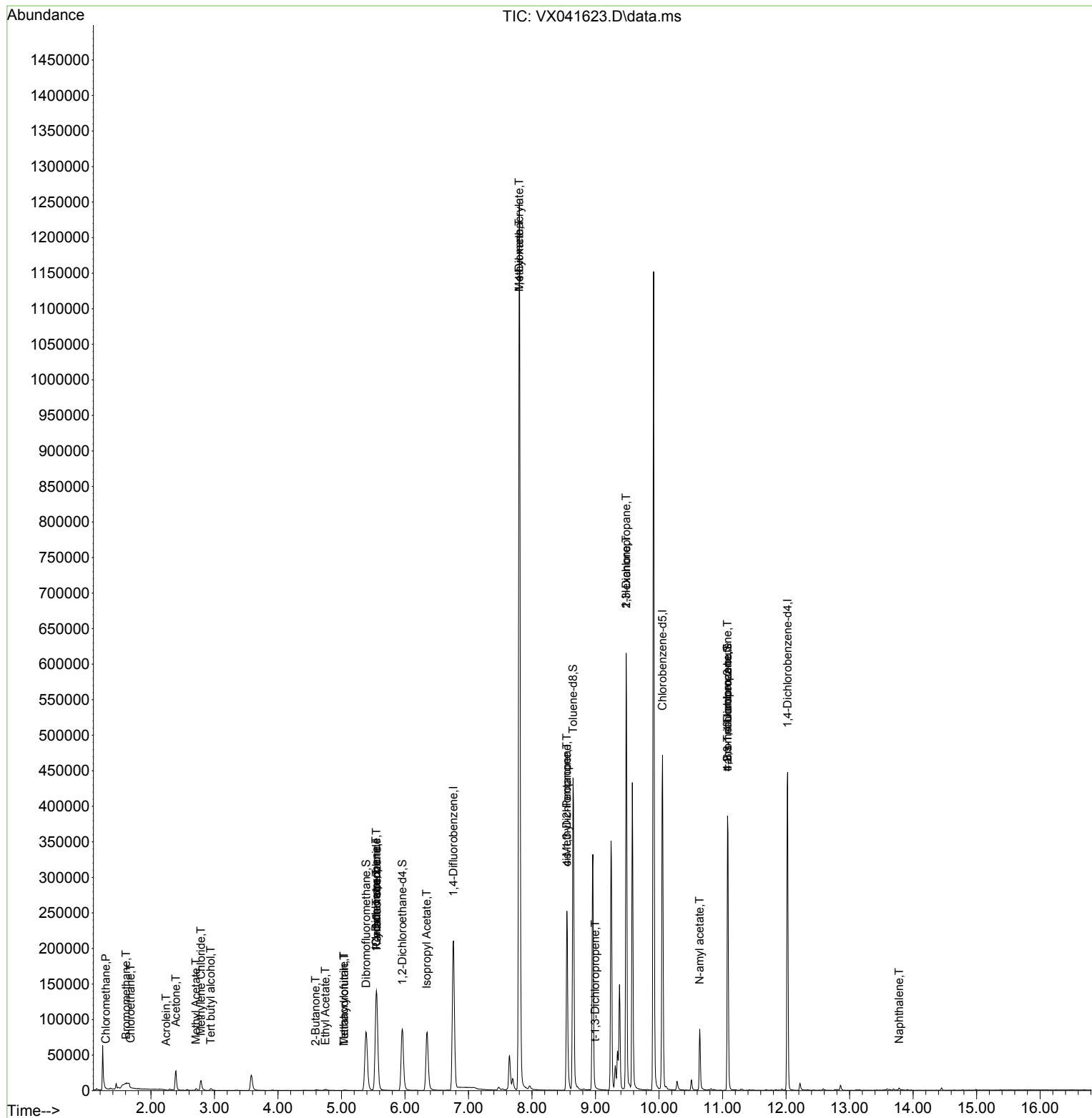
Internal Standards						
1) Pentafluorobenzene	5.556	168	147827	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	223937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87157	54.158	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.385	113	71217	46.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.860%			
50) Toluene-d8	8.647	98	263827	54.927	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.860%			
62) 4-Bromofluorobenzene	11.079	95	97150	52.250	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.500%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	276	0.220	ug/l	# 43
5) Bromomethane	1.605	94	325	0.433	ug/l	92
6) Chloroethane	1.678	64	289	0.519	ug/l	# 43
11) Tert butyl alcohol	2.940	59	1929	5.989	ug/l	# 78
13) Acrolein	2.239	56	167	0.654	ug/l	85
16) Acetone	2.392	43	31068	40.563	ug/l	93
18) Methyl Acetate	2.709	43	3204	1.946	ug/l	98
20) Methylene Chloride	2.788	84	7445	5.329	ug/l	92
25) 2-Butanone	4.592	43	692	0.664	ug/l	# 89
29) Tetrahydrofuran	5.044	42	529	0.777	ug/l	# 46
31) Cyclohexane	5.550	56	2615	1.346	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9886	5.448	ug/l	# 51
37) Ethyl Acetate	4.745	43	3067	1.355	ug/l	# 79
38) Carbon Tetrachloride	5.550	117	13337	6.416	ug/l	# 15
41) Methacrylonitrile	5.038	41	251	0.215	ug/l	# 48
43) Isopropyl Acetate	6.342	43	115985	34.070	ug/l	99
48) Methyl methacrylate	7.799	41	111155	71.227	ug/l	# 49
49) 1,4-Dioxane	7.799	88	219	6.491	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	89808	43.964	ug/l	# 50
53) t-1,3-Dichloropropene	8.994	75	33	2.457	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	40138	20.592	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	5325	2.421	ug/l	# 42
59) 2-Hexanone	9.482	43	76209	46.655	ug/l	# 53
74) N-amyl acetate	10.640	43	22247	8.119	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	49625	29.636	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49625	80.726	ug/l	# 5
95) Naphthalene	13.780	128	2445	0.347	ug/l	# 94

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

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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

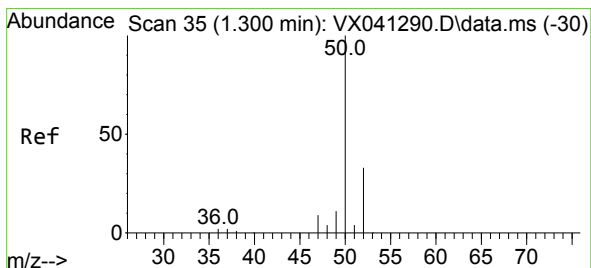
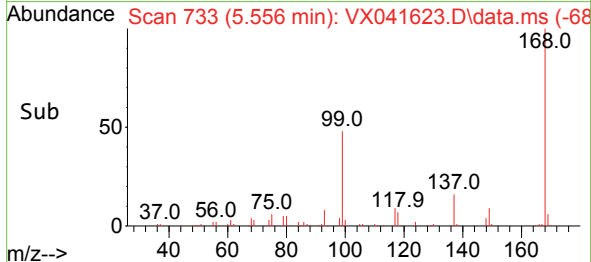
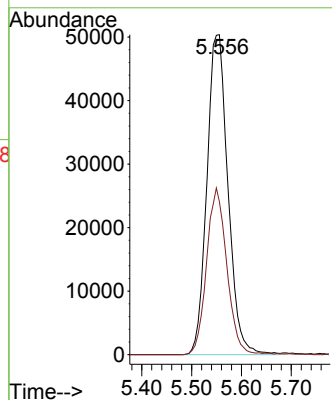
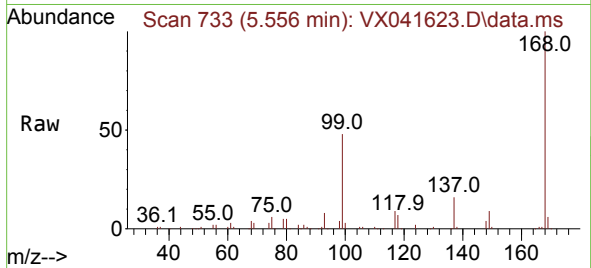




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

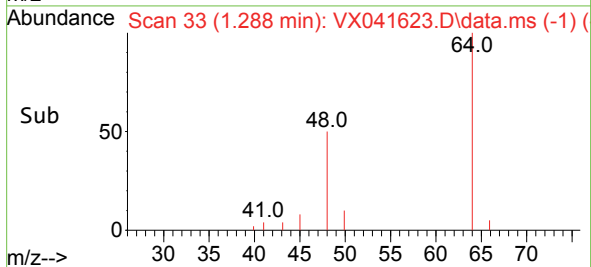
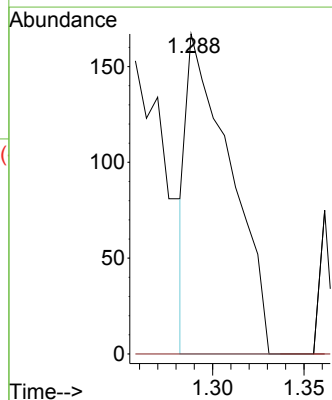
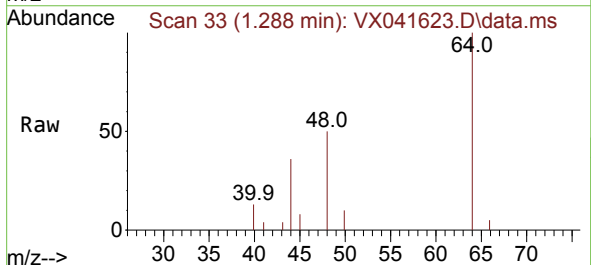
Instrument :
MSVOA_X
ClientSampleId :

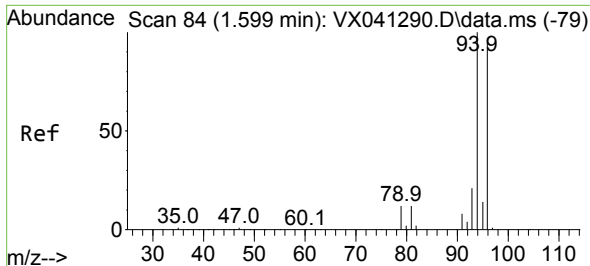
Tgt Ion:168 Resp: 147827
Ion Ratio Lower Upper
168 100
99 47.8 56.6 85.0#



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

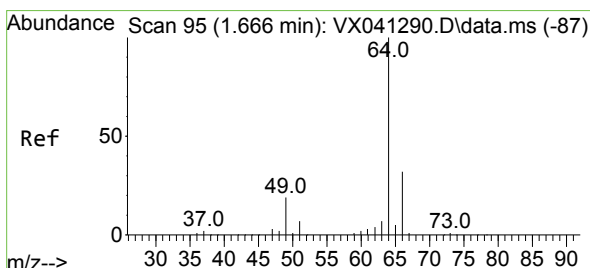
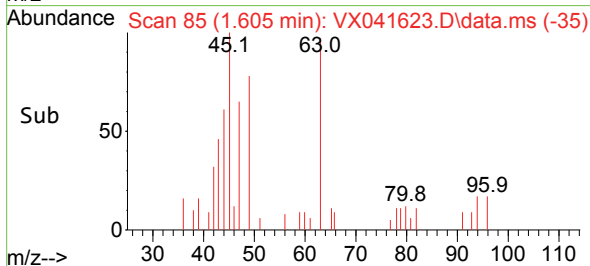
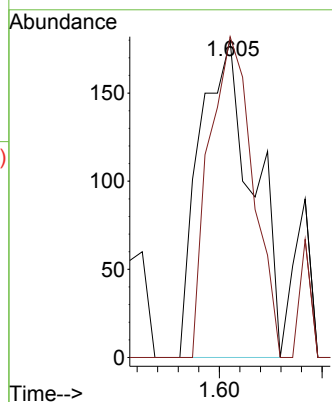
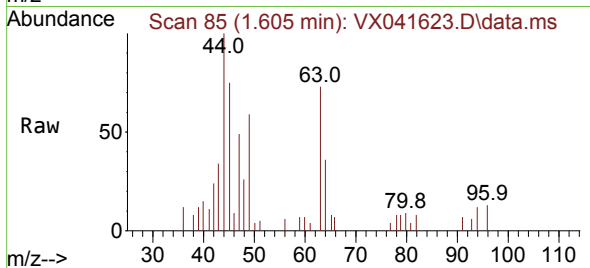




#5
Bromomethane
Concen: 0.433 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

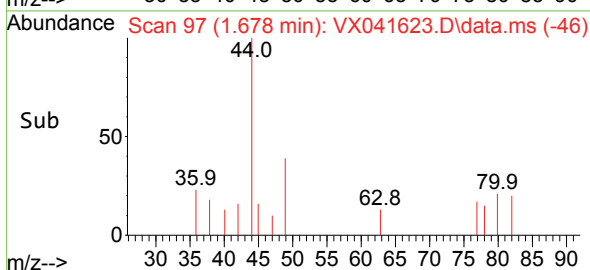
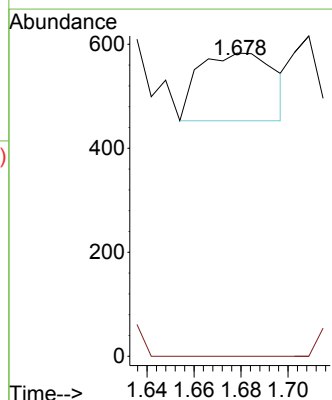
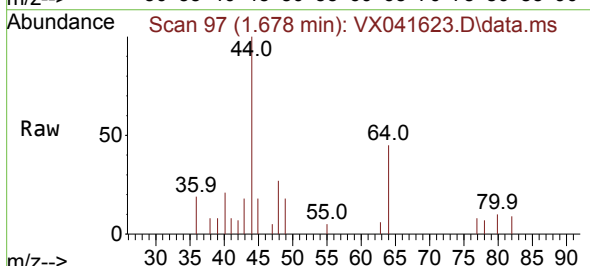
Instrument :
MSVOA_X
ClientSampleId :

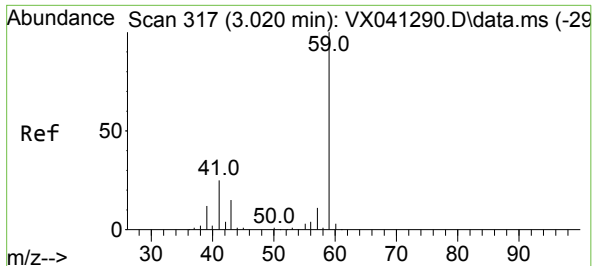
Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 101.1 74.6 111.8



#6
Chloroethane
Concen: 0.519 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 64 Resp: 289
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 5.989 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.079 min

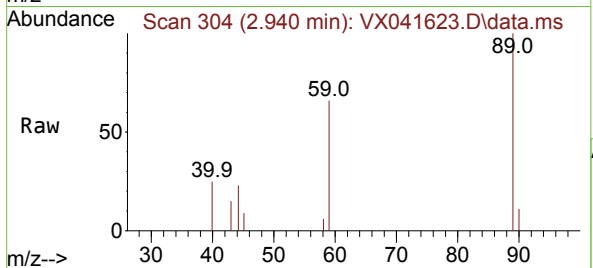
Lab File: VX041623.D

Acq: 23 May 2024 13:02

Instrument :

MSVOA_X

ClientSampleId :

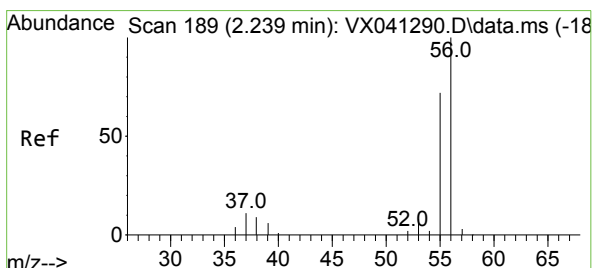
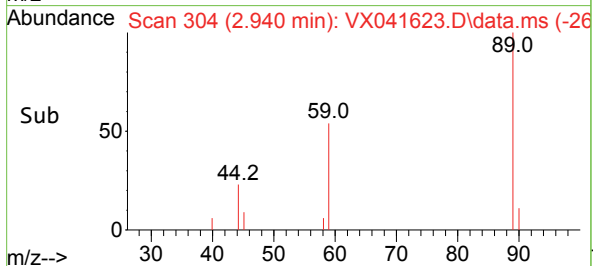
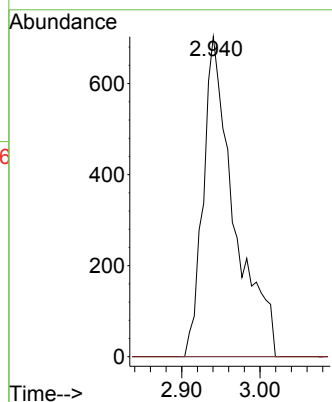


Tgt Ion: 59 Resp: 1929

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.654 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX041623.D

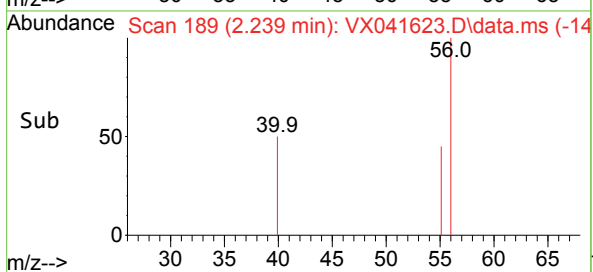
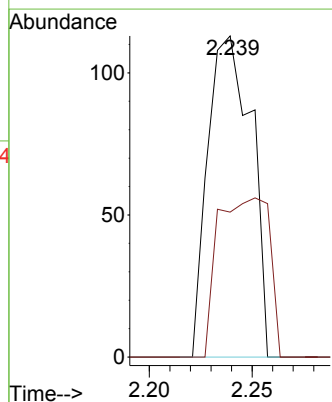
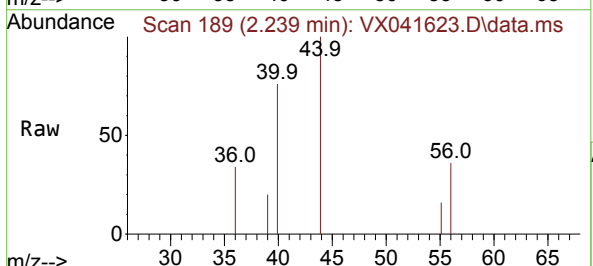
Acq: 23 May 2024 13:02

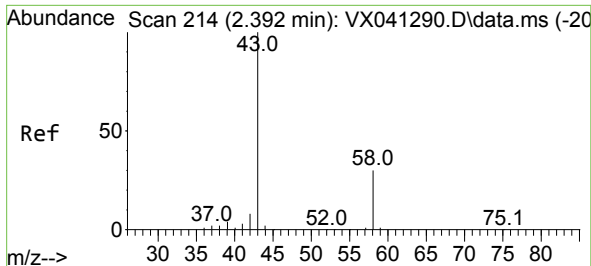
Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 58.7 57.1 85.7

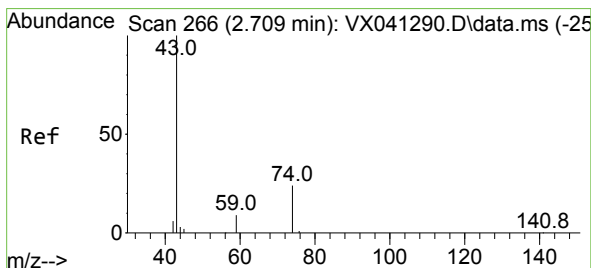
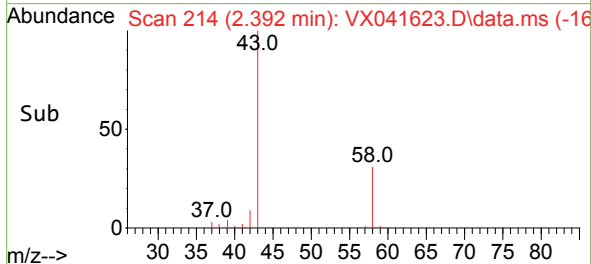
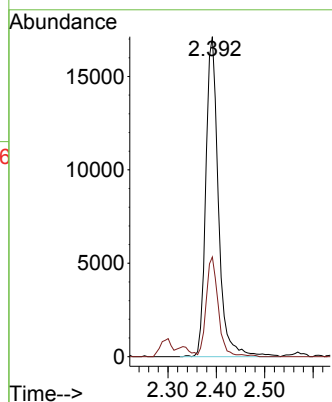
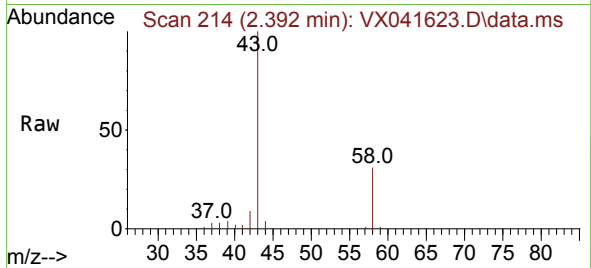




#16
Acetone
Concen: 40.563 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

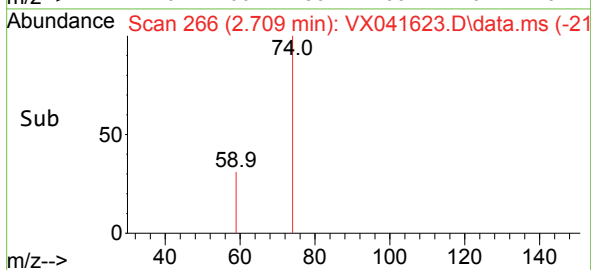
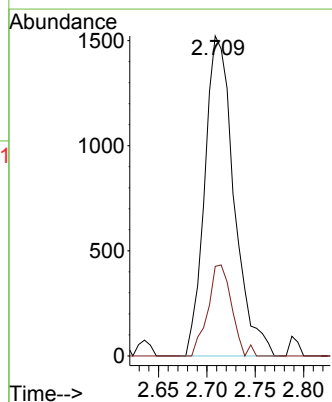
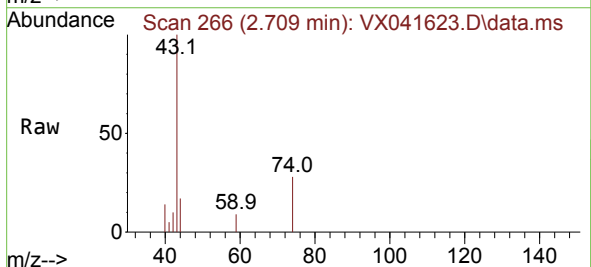
Instrument :
MSVOA_X
ClientSampleId :

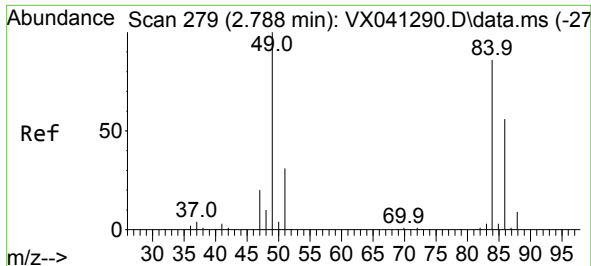
Tgt Ion: 43 Resp: 31068
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#18
Methyl Acetate
Concen: 1.946 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

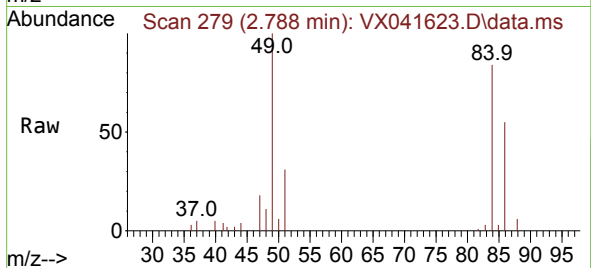
Tgt Ion: 43 Resp: 3204
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



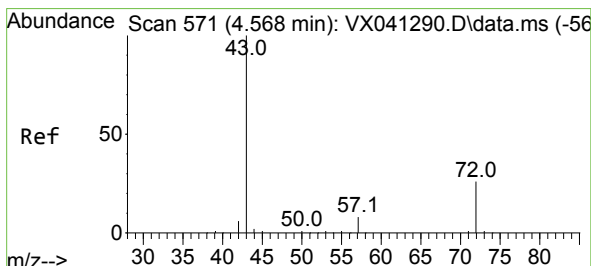
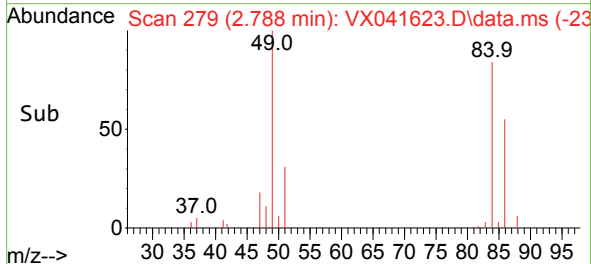
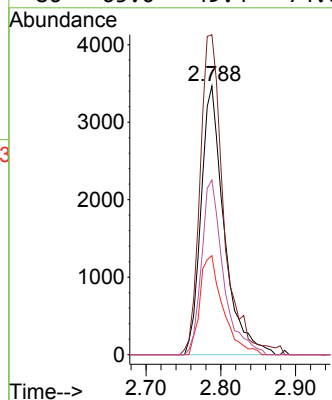


#20
Methylene Chloride
Concen: 5.329 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

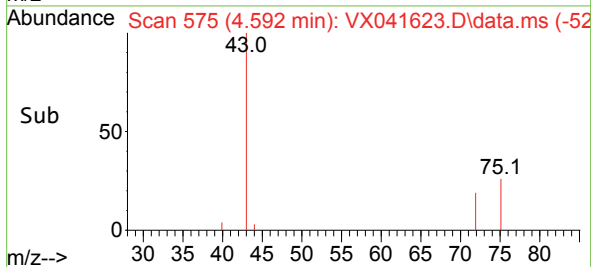
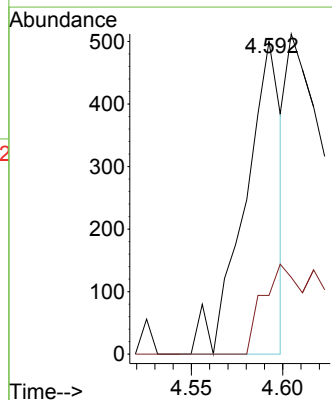
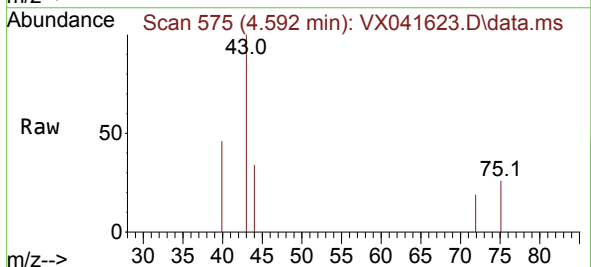


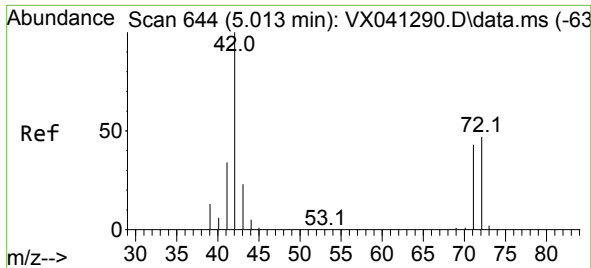
Tgt Ion: 84	Resp: 7445
Ion Ratio	Lower Upper
84 100	
49 119.1	103.6 155.4
51 36.9	33.8 50.6
86 65.0	49.4 74.0



#25
2-Butanone
Concen: 0.664 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 43	Resp: 692		
Ion Ratio	Lower	Upper	
43 100			
72 18.8	19.4	29.2#	





#29

Tetrahydrofuran

Concen: 0.777 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.030 min

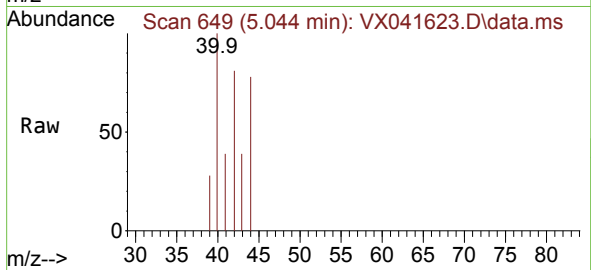
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Acq: 23 May 2024 13:02

Instrument :

MSVOA_X

ClientSampleId :



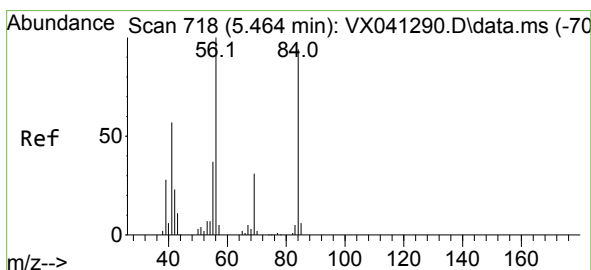
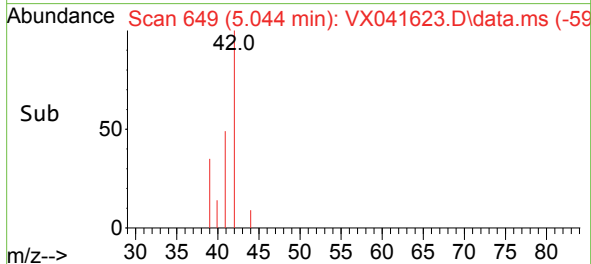
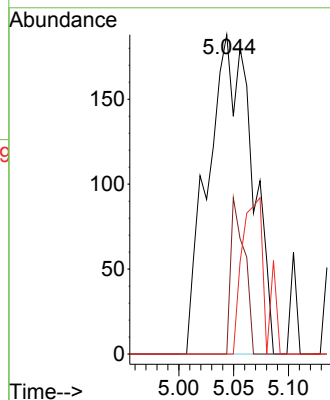
Tgt Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 14.9 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.346 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041623.D

Acq: 23 May 2024 13:02

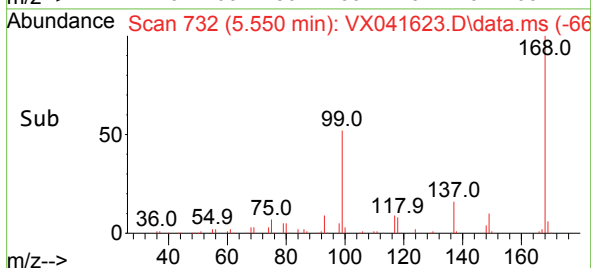
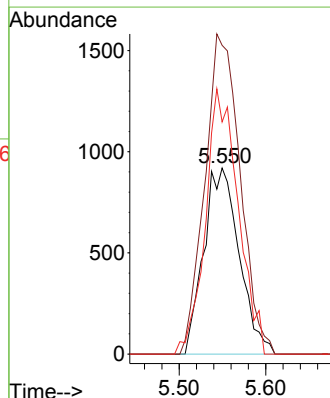
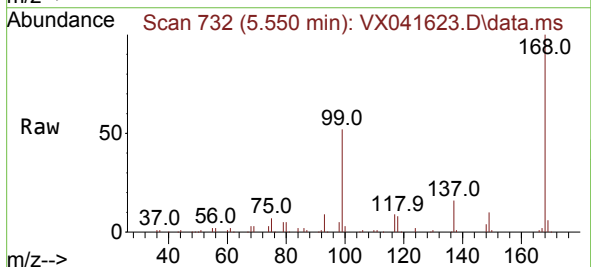
Tgt Ion: 56 Resp: 2615

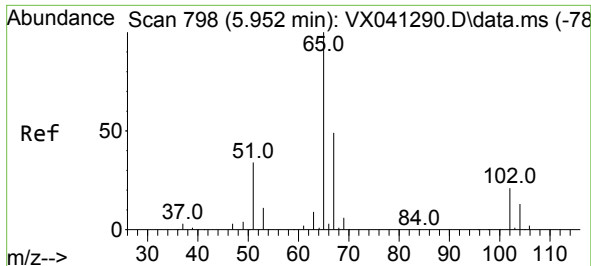
Ion Ratio Lower Upper

56 100

69 166.1 23.4 35.2#

84 124.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 54.158 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041623.D

Acq: 23 May 2024 13:02

Instrument :

MSVOA_X

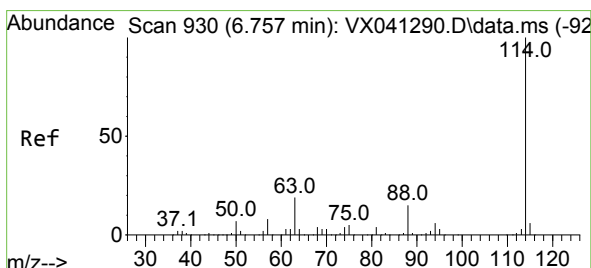
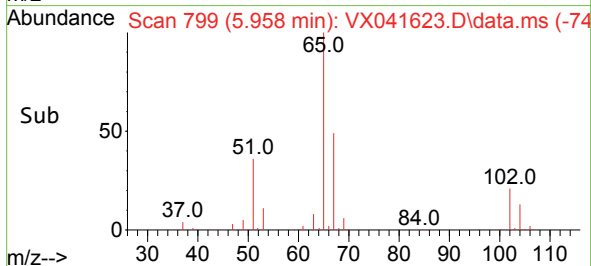
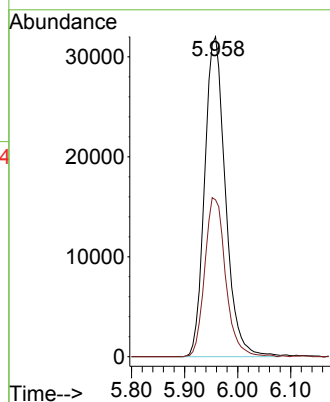
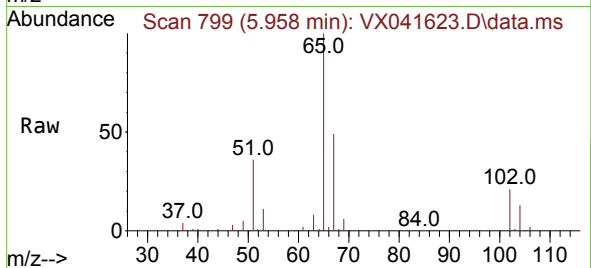
ClientSampleId :

Tgt Ion: 65 Resp: 87157

Ion Ratio Lower Upper

65 100

67 49.7 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: VX041623.D

Acq: 23 May 2024 13:02

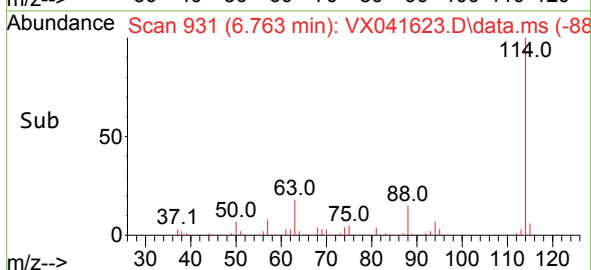
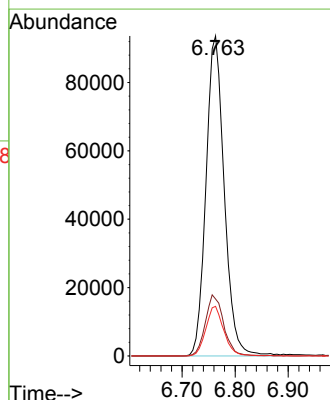
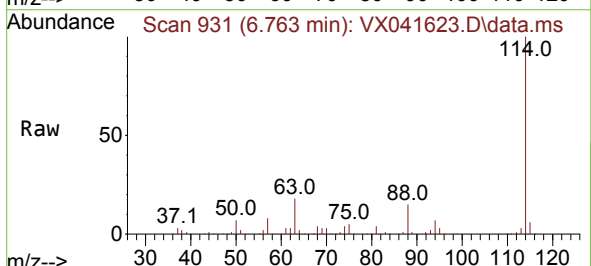
Tgt Ion: 114 Resp: 223937

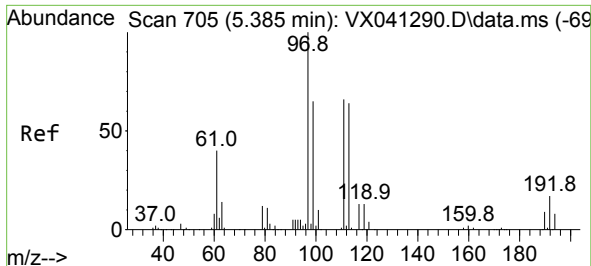
Ion Ratio Lower Upper

114 100

63 17.8 0.0 45.0

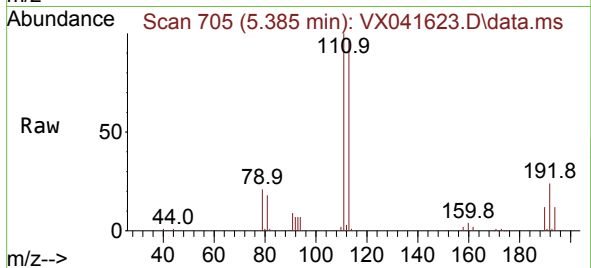
88 15.5 0.0 36.6



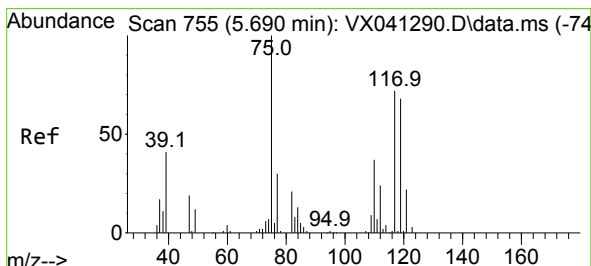
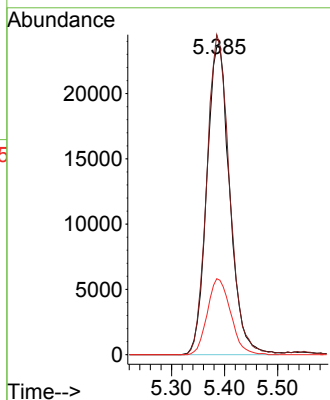
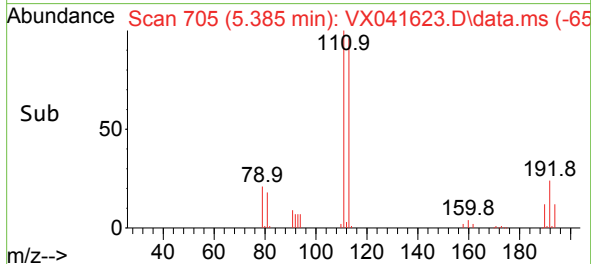


#35
Dibromofluoromethane
Concen: 46.929 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

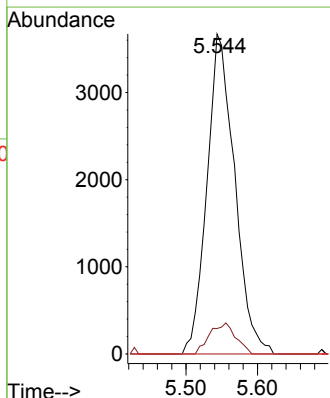
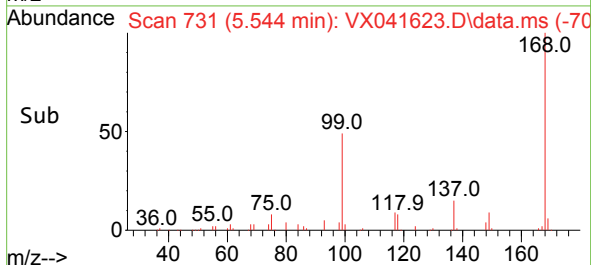
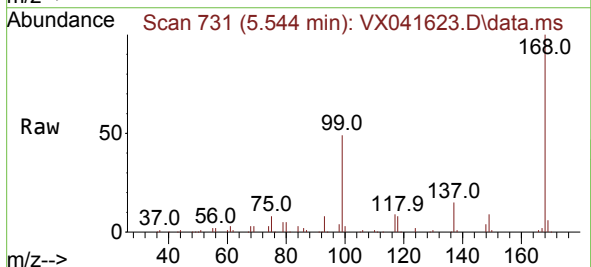


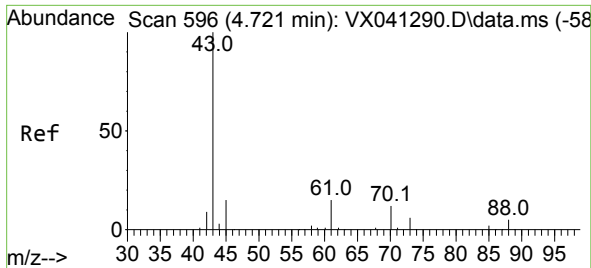
Tgt Ion:113 Resp: 71217
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 24.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.448 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 75 Resp: 9886
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#

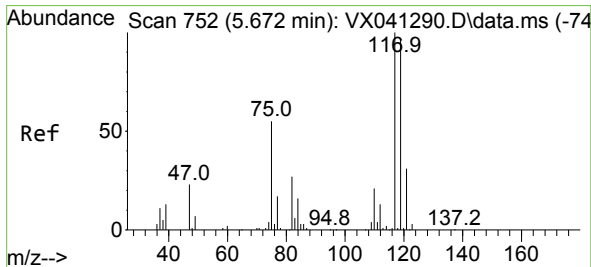
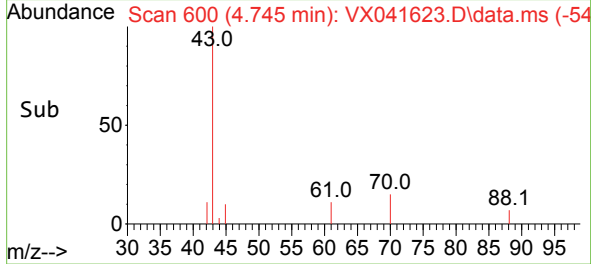
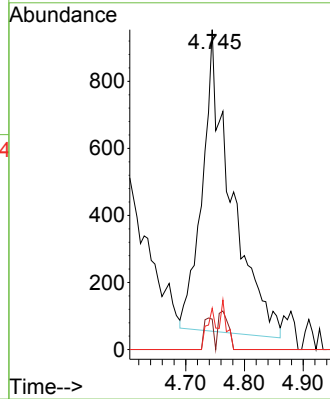
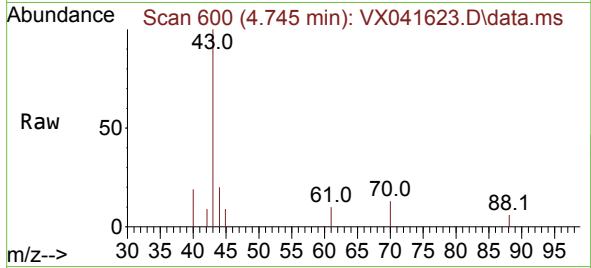




#37
Ethyl Acetate
Concen: 1.355 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

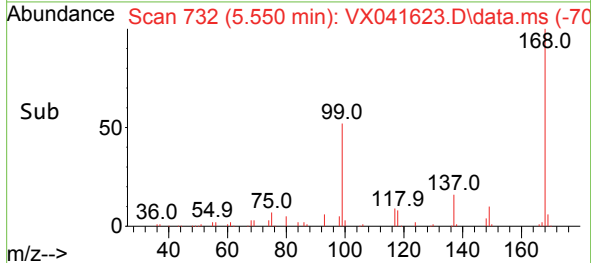
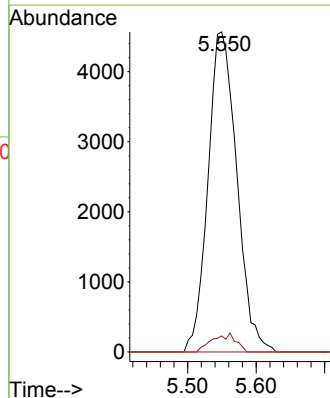
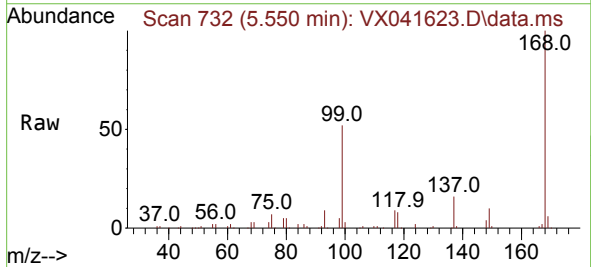
Instrument :
MSVOA_X
ClientSampleId :

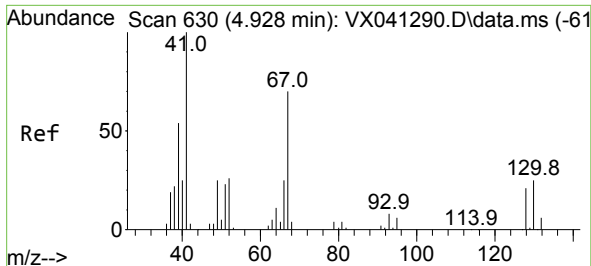
Tgt Ion: 43	Resp:	3067
Ion	Ratio	Lower Upper
43	100	
61	3.3	10.6 16.0#
70	4.7	8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

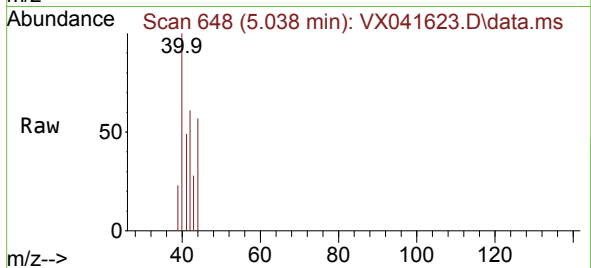
Tgt Ion: 117	Resp:	13337
Ion	Ratio	Lower Upper
117	100	
119	5.0	78.2 117.2#
121	0.0	24.4 36.6#



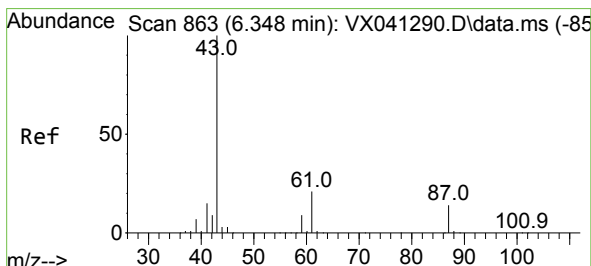
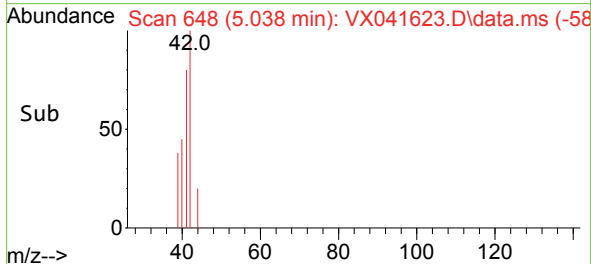
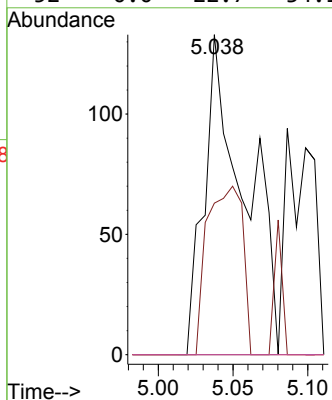


#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.110 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :

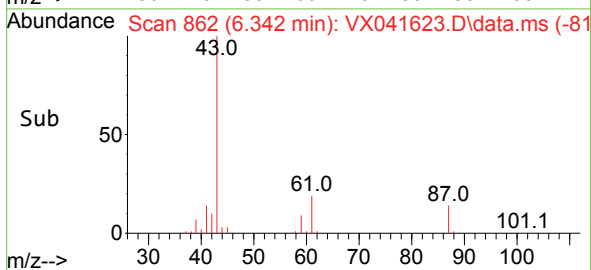
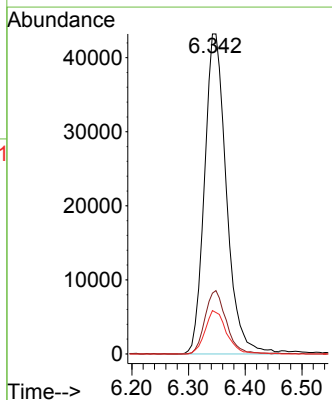
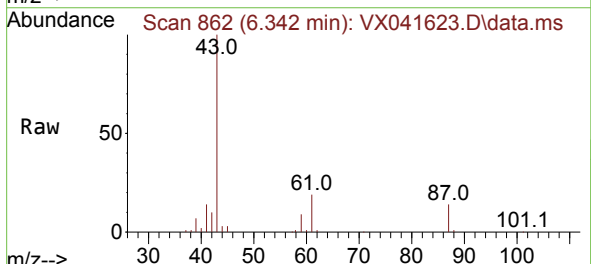


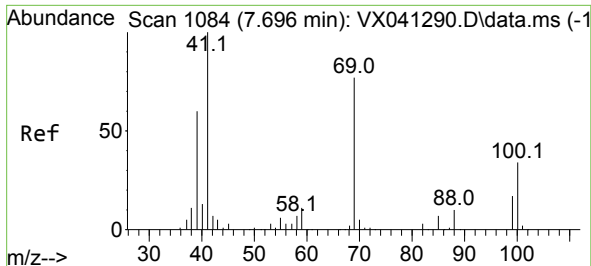
Tgt Ion: 41	Resp: 251
Ion Ratio	Lower Upper
41	100
39	46.2 45.2 67.8
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 34.070 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 43	Resp: 115985
Ion Ratio	Lower Upper
43	100
61	19.2 15.2 22.8
87	13.2 9.8 14.6





#48

Methyl methacrylate

Concen: 71.227 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041623.D

Acq: 23 May 2024 13:02

Instrument :

MSVOA_X

ClientSampleId :

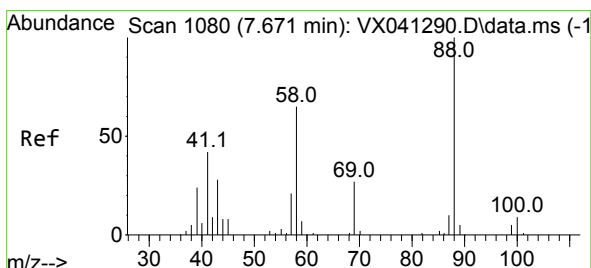
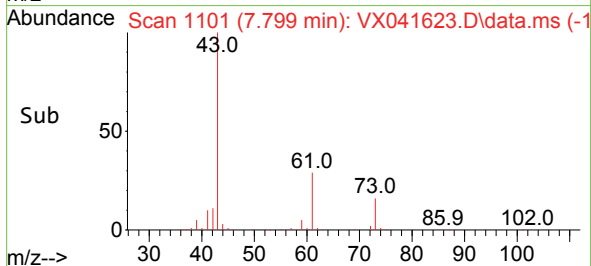
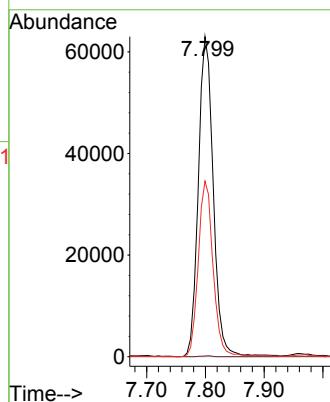
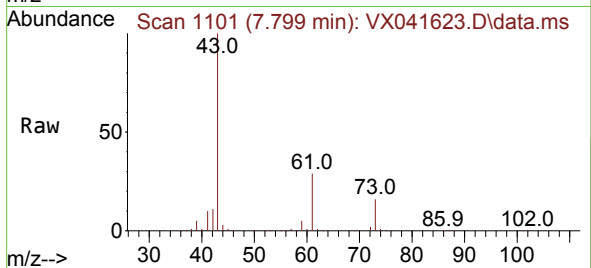
Tgt Ion: 41 Resp: 111155

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 54.3 47.7 71.5



#49

1,4-Dioxane

Concen: 6.491 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX041623.D

Acq: 23 May 2024 13:02

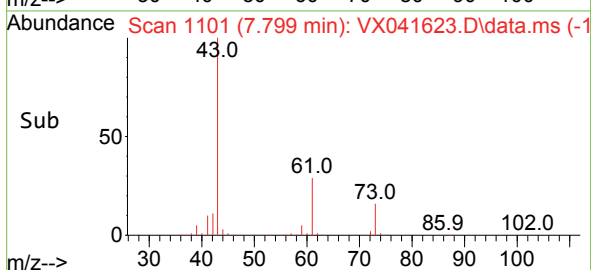
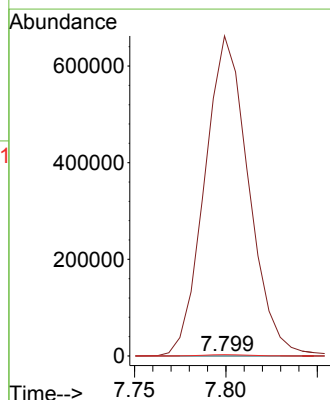
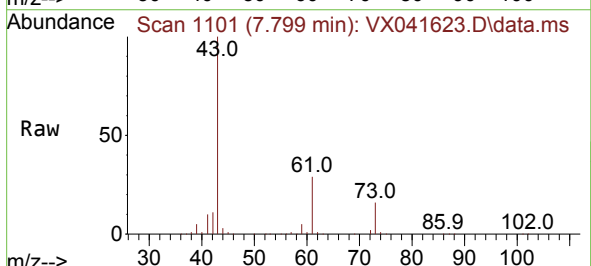
Tgt Ion: 88 Resp: 219

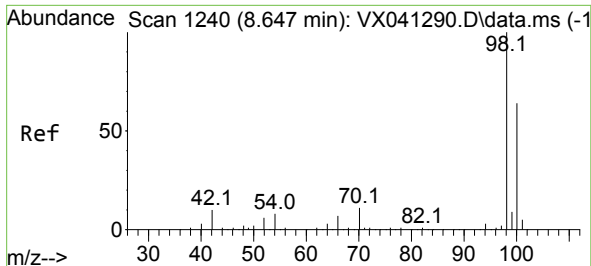
Ion Ratio Lower Upper

88 100

43 513798.2 0.0 0.0#

58 2276.7 60.1 90.1#

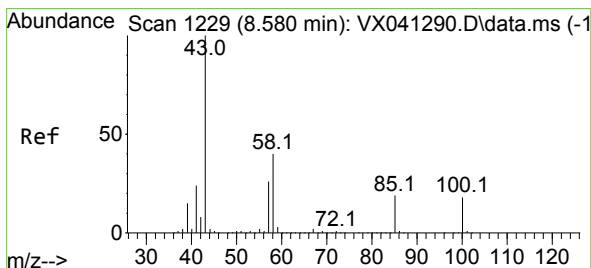
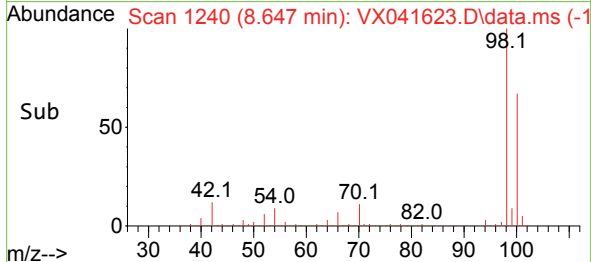
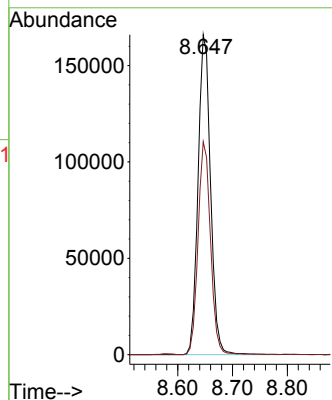
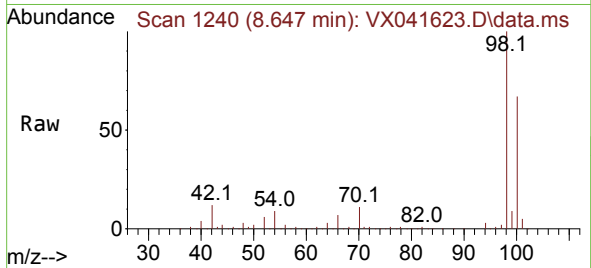




#50
Toluene-d8
Concen: 54.927 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

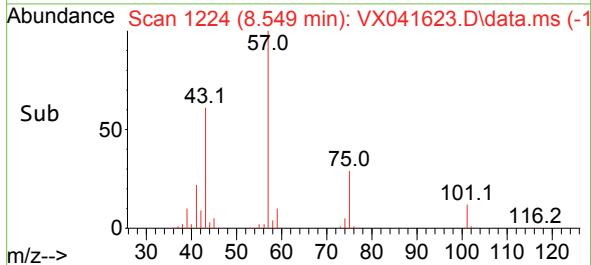
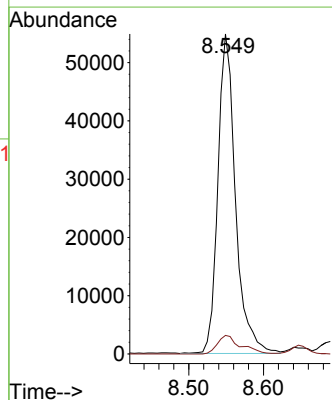
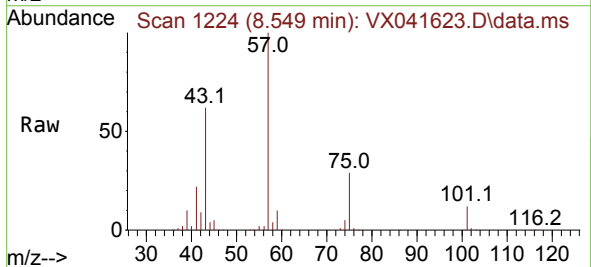
Instrument :
MSVOA_X
ClientSampleId :

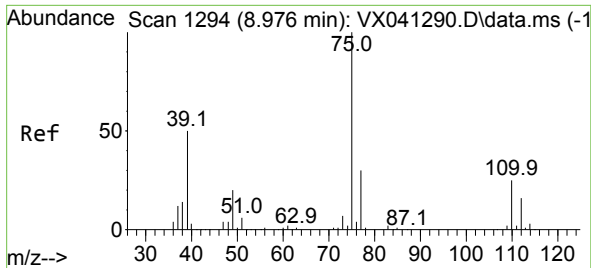
Tgt Ion: 98 Resp: 263827
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 43.964 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Tgt Ion: 43 Resp: 89808
Ion Ratio Lower Upper
43 100
58 7.6 30.4 45.6#

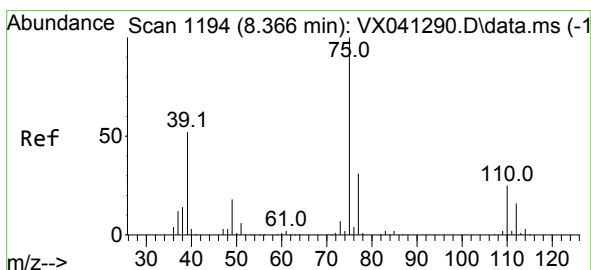
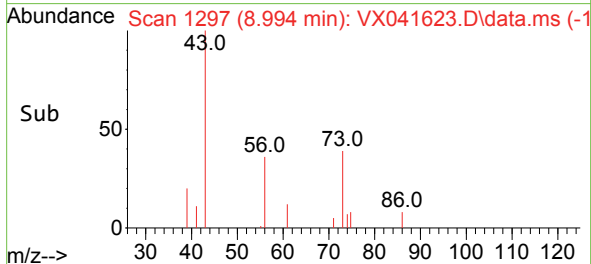
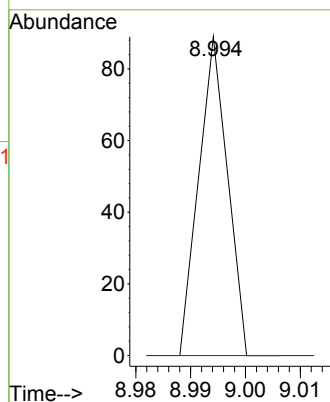
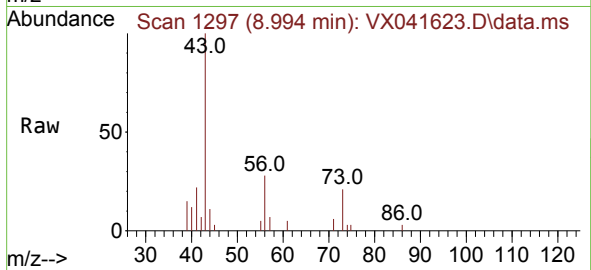




#53
 t-1,3-Dichloropropene
 Concen: 2.457 ug/l
 RT: 8.994 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: VX041623.D
 Acq: 23 May 2024 13:02

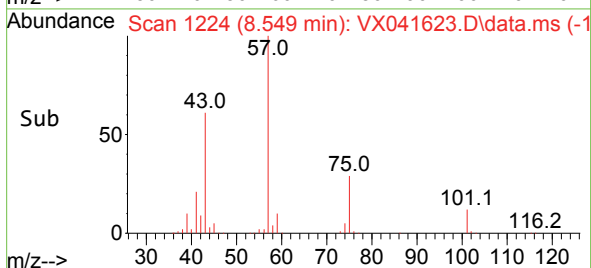
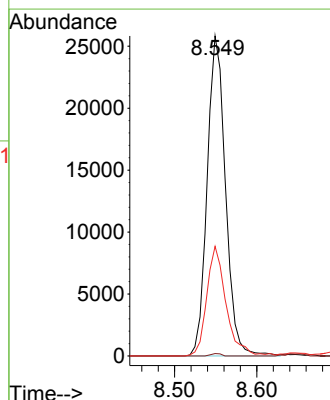
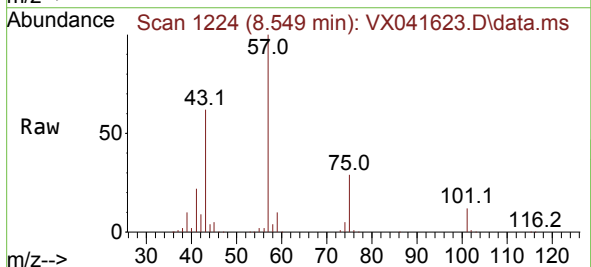
Instrument :
 MSVOA_X
 ClientSampleId :

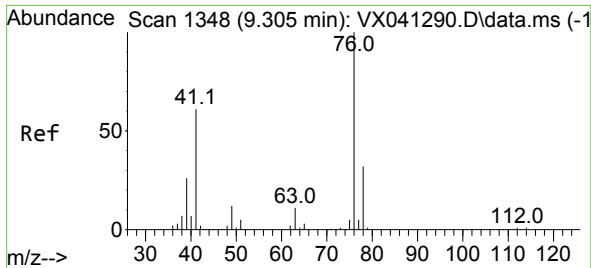
Tgt Ion: 75 Resp: 33
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 20.592 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041623.D
 Acq: 23 May 2024 13:02

Tgt Ion: 75 Resp: 40138
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 34.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.421 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041623.D

Acq: 23 May 2024 13:02

Instrument :

MSVOA_X

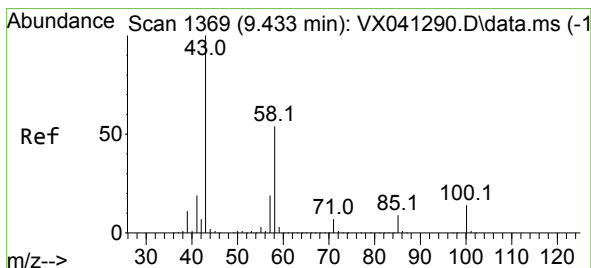
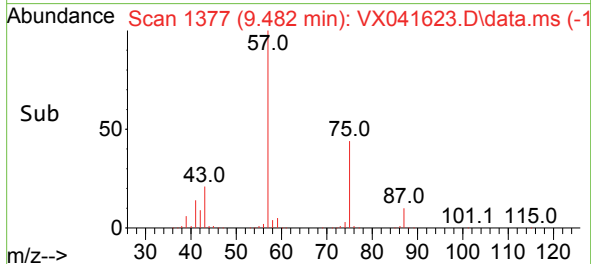
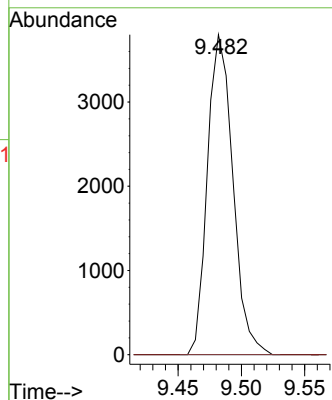
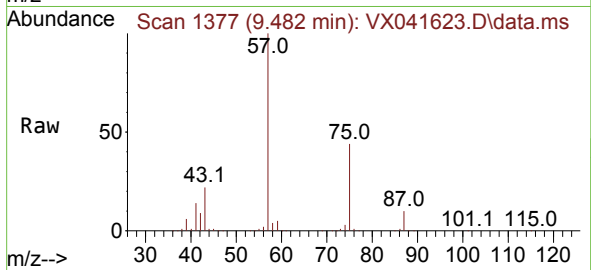
ClientSampleId :

Tgt Ion: 76 Resp: 5325

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.655 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041623.D

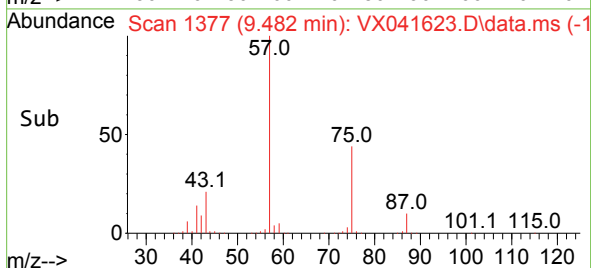
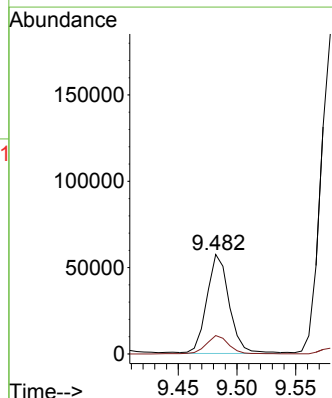
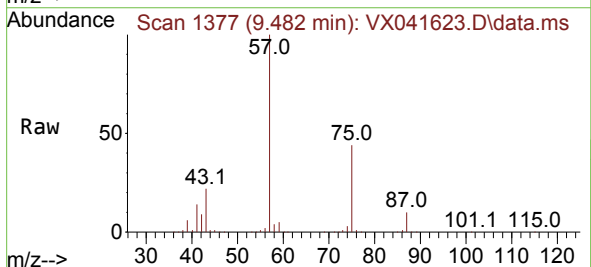
Acq: 23 May 2024 13:02

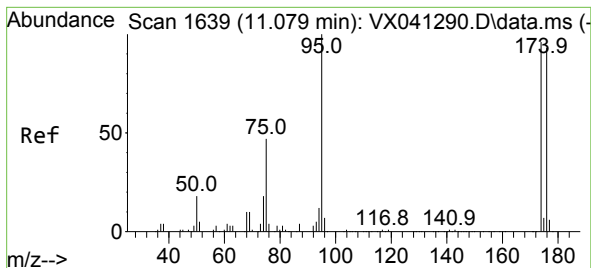
Tgt Ion: 43 Resp: 76209

Ion Ratio Lower Upper

43 100

58 19.1 26.2 78.5#

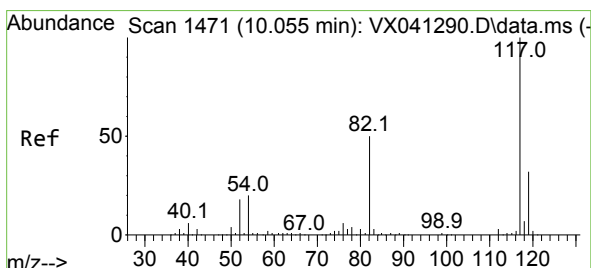
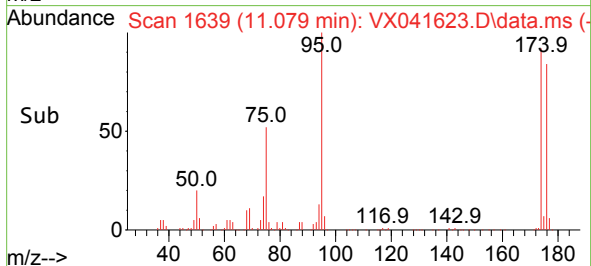
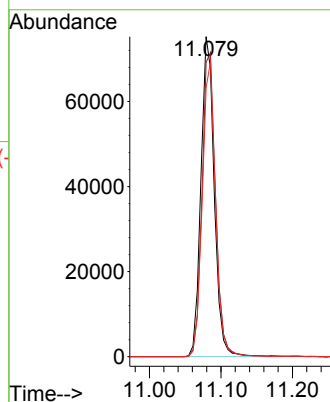
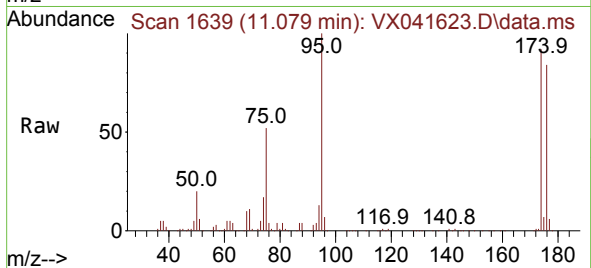




#62
4-Bromofluorobenzene
Concen: 52.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

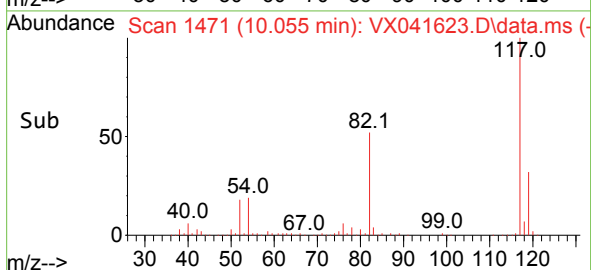
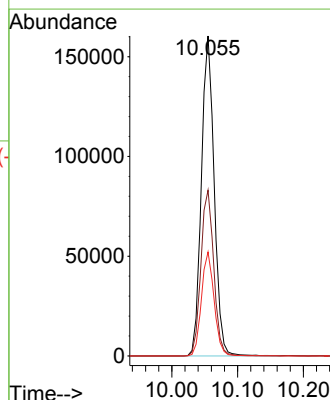
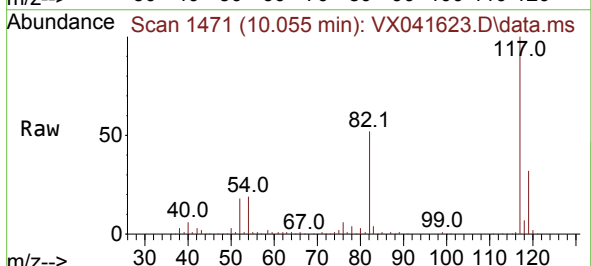
Instrument :
MSVOA_X
ClientSampleId :

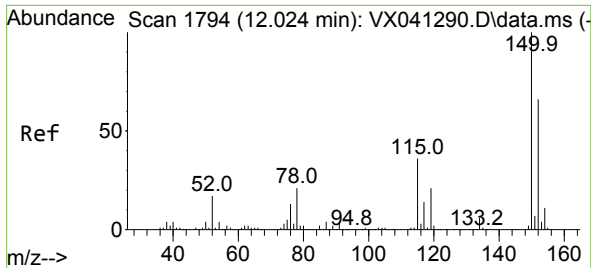
Tgt Ion: 95 Resp: 97150
Ion Ratio Lower Upper
95 100
174 97.2 0.0 135.6
176 92.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

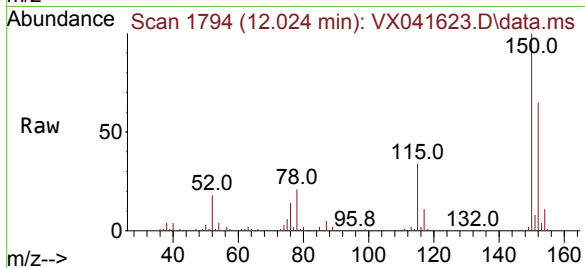
Tgt Ion: 117 Resp: 217032
Ion Ratio Lower Upper
117 100
82 51.8 46.2 69.4
119 32.5 25.5 38.3



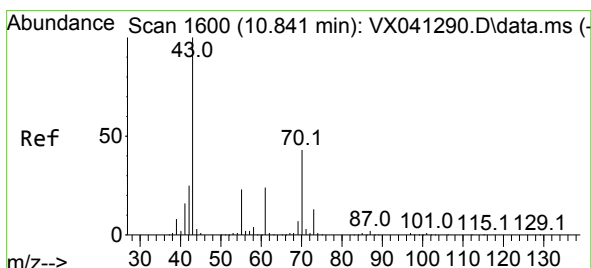
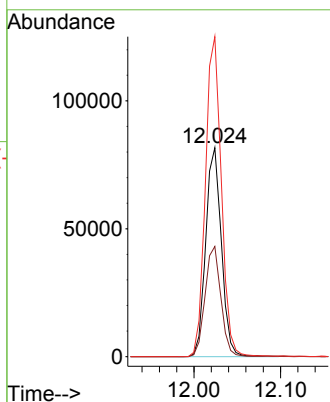
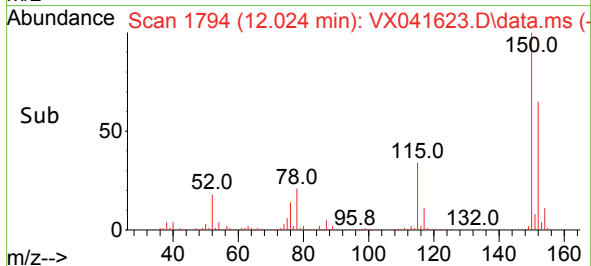


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX041623.D
 Acq: 23 May 2024 13:02

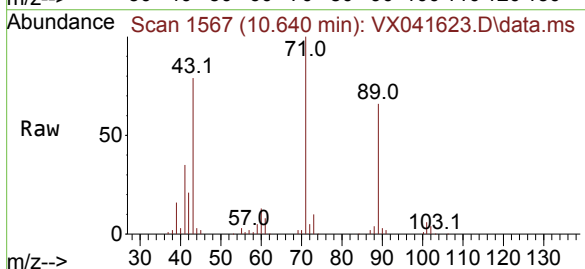
Instrument :
 MSVOA_X
 ClientSampleId :



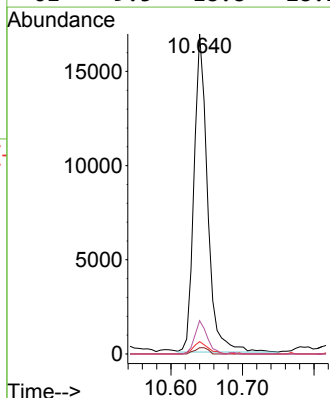
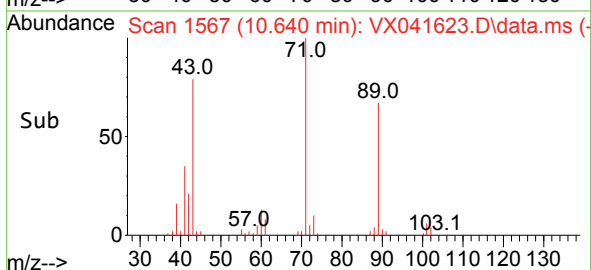
Tgt Ion:152 Resp: 102748
 Ion Ratio Lower Upper
 152 100
 115 53.3 43.3 129.9
 150 155.5 0.0 345.0

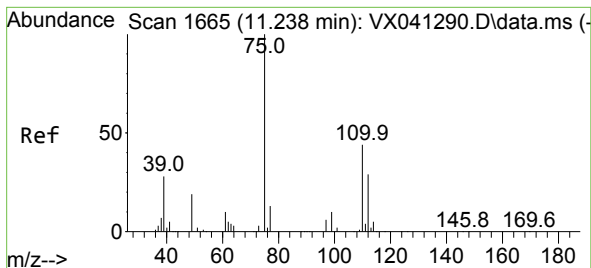


#74
 N-ethyl acetate
 Concen: 8.119 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041623.D
 Acq: 23 May 2024 13:02



Tgt Ion: 43 Resp: 22247
 Ion Ratio Lower Upper
 43 100
 70 2.0 32.9 49.3#
 55 4.2 19.3 28.9#
 61 9.5 18.8 28.2#

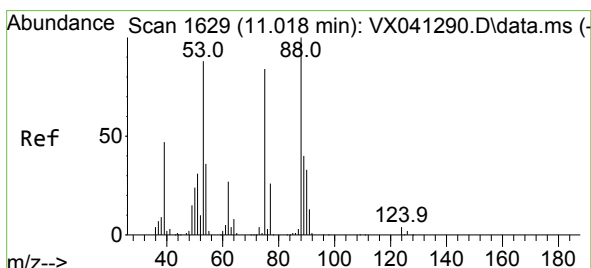
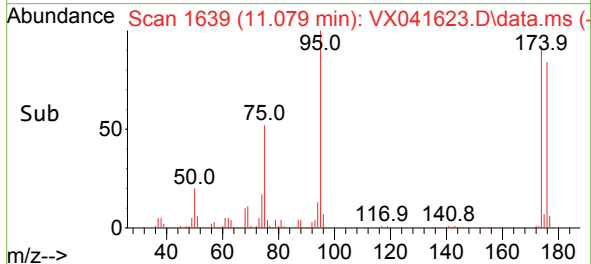
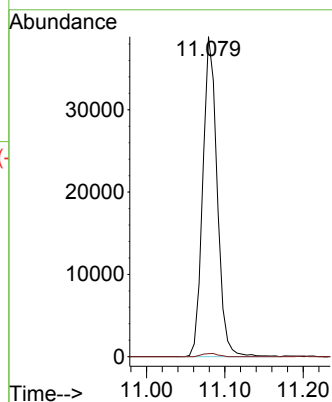
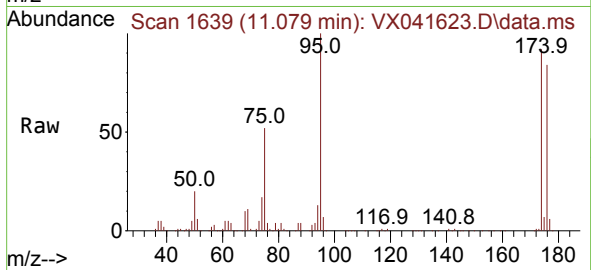




#76
1,2,3-Trichloropropane
Concen: 29.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

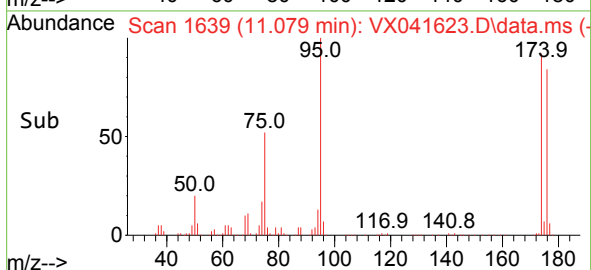
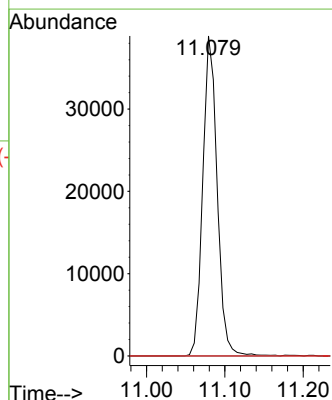
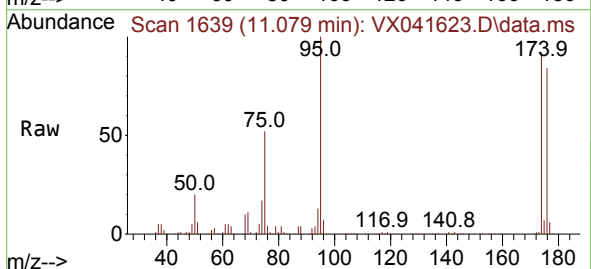
Instrument :
MSVOA_X
ClientSampleId :

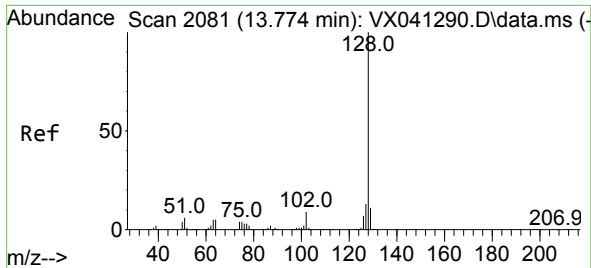
Tgt Ion: 75 Resp: 49625
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.726 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

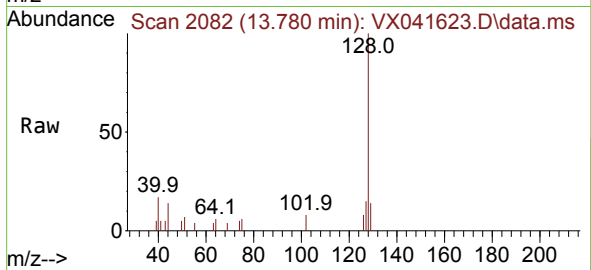
Tgt Ion: 75 Resp: 49625
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.347 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041623.D
Acq: 23 May 2024 13:02

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.3	15.5
129	13.9	8.8	13.2

