

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041713.D
 Acq On : 03 Jun 2024 18:38
 Operator : JC/MD
 Sample : P2687-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 00:53:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

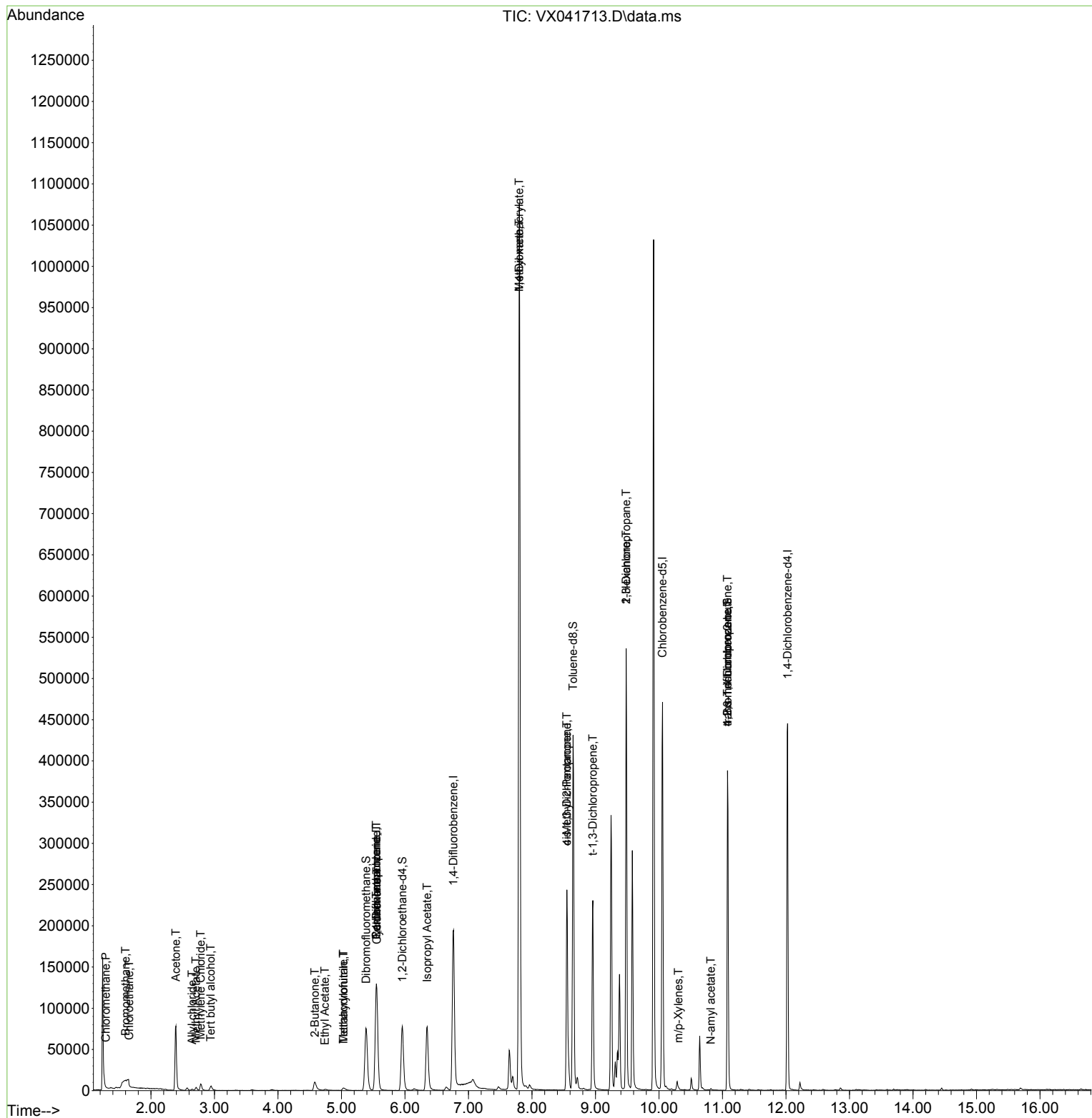
Internal Standards						
1) Pentafluorobenzene	5.550	168	138541	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	208976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78196	46.020	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.040%		
35) Dibromofluoromethane	5.385	113	65272	45.176	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.360%		
50) Toluene-d8	8.647	98	251830	49.882	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.760%		
62) 4-Bromofluorobenzene	11.079	95	95172	51.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.160%		
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	282	0.212	ug/l	# 43
5) Bromomethane	1.599	94	251	0.264	ug/l	# 3
6) Chloroethane	1.654	64	290	0.351	ug/l	# 43
11) Tert butyl alcohol	2.941	59	3976	13.228	ug/l	# 78
14) Allyl chloride	2.648	41	1817	0.894	ug/l	# 42
16) Acetone	2.392	43	87096	115.466	ug/l	97
18) Methyl Acetate	2.709	43	4607	2.840	ug/l	100
20) Methylene Chloride	2.782	84	3923	2.580	ug/l	93
25) 2-Butanone	4.581	43	20086	19.020	ug/l	96
29) Tetrahydrofuran	5.032	42	3229	4.848	ug/l	97
31) Cyclohexane	5.556	56	2469	1.231	ug/l	# 10
36) 1,1-Dichloropropene	5.550	75	8999	5.144	ug/l	# 50
37) Ethyl Acetate	4.739	43	3483	1.578	ug/l	# 79
38) Carbon Tetrachloride	5.550	117	11680	5.876	ug/l	# 15
41) Methacrylonitrile	5.032	41	1944	1.800	ug/l	# 50
43) Isopropyl Acetate	6.349	43	111043	33.312	ug/l	99
48) Methyl methacrylate	7.800	41	94292	58.902	ug/l	# 48
49) 1,4-Dioxane	7.800	88	152	4.346	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	93989	43.481	ug/l	# 46
53) t-1,3-Dichloropropene	8.958	75	546	0.300	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	37761	18.780	ug/l	# 57
57) 1,3-Dichloropropane	9.482	76	4419	1.903	ug/l	# 42
59) 2-Hexanone	9.482	43	64120	38.908	ug/l	# 52
68) m/p-Xylenes	10.305	106	578	0.202	ug/l	91
74) N-amyl acetate	10.817	43	788	0.281	ug/l	# 45
76) 1,2,3-Trichloropropane	11.079	75	47972	26.914	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	47972	73.354	ug/l	# 5

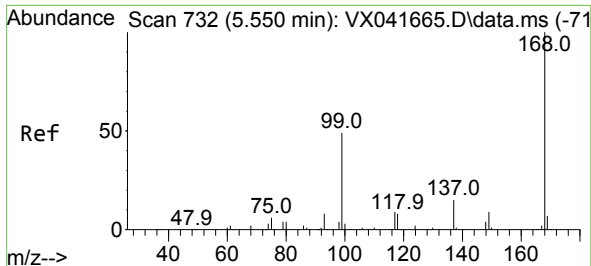
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX041713.D
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Instrument :
MSVOA_X
ClientSampleId :

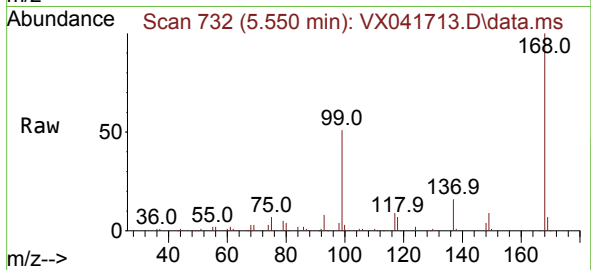
Quant Time: Jun 04 00:53:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
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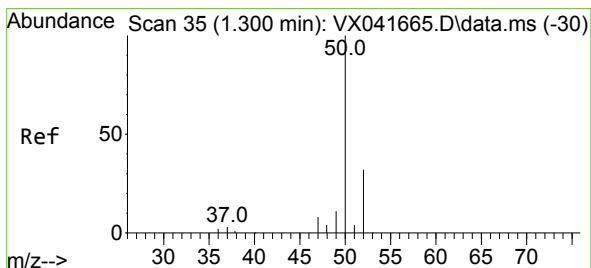
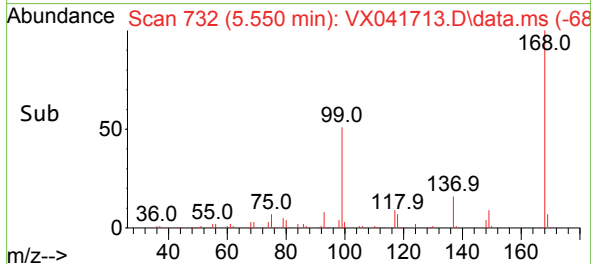
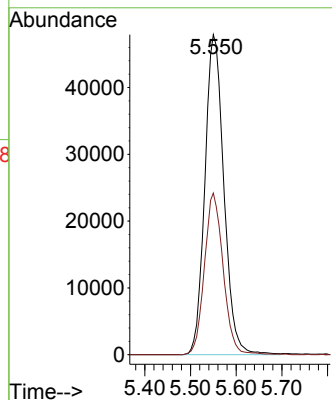


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Instrument :
MSVOA_X
ClientSampleId :

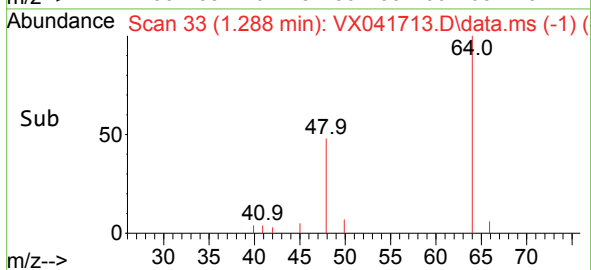
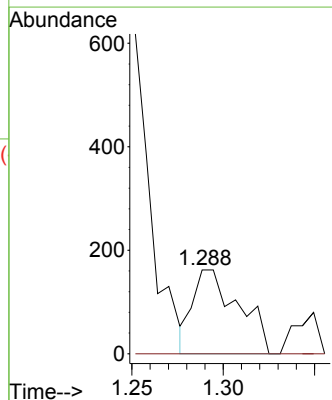
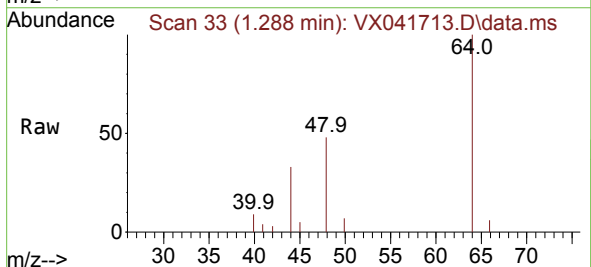


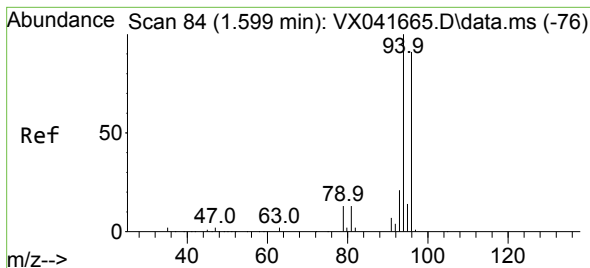
Tgt Ion:168 Resp: 138541
Ion Ratio Lower Upper
168 100
99 50.5 56.6 85.0#



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.264 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Instrument :

MSVOA_X

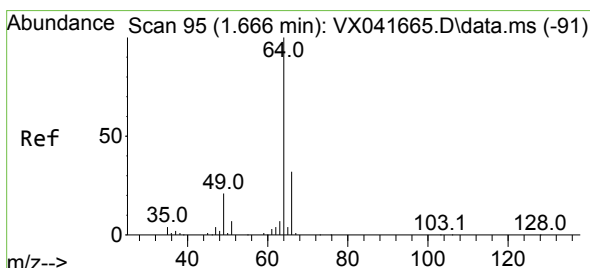
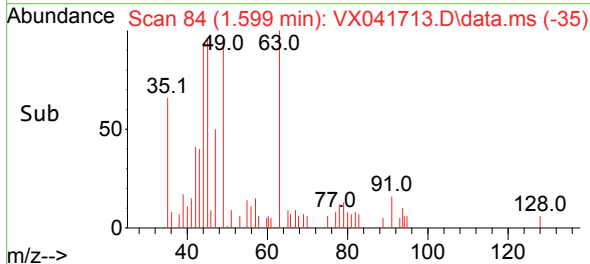
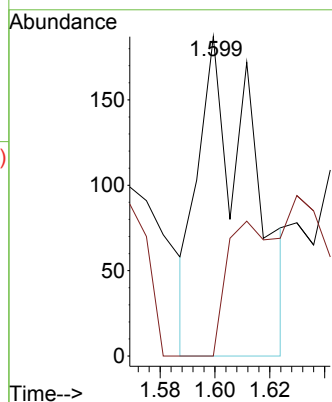
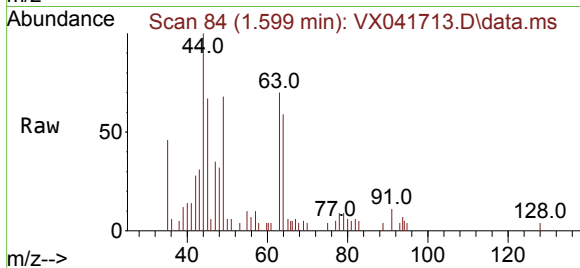
ClientSampleId :

Tgt Ion: 94 Resp: 251

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: 0.351 ug/l

RT: 1.654 min Scan# 93

Delta R.T. -0.012 min

Lab File: VX041713.D

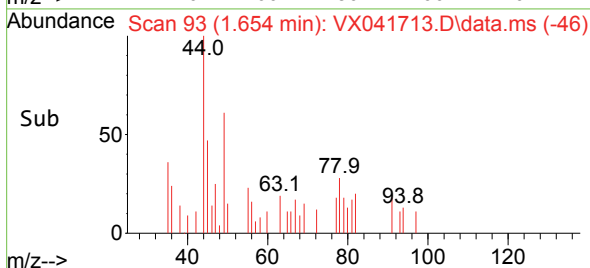
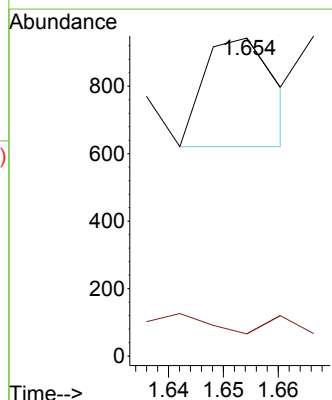
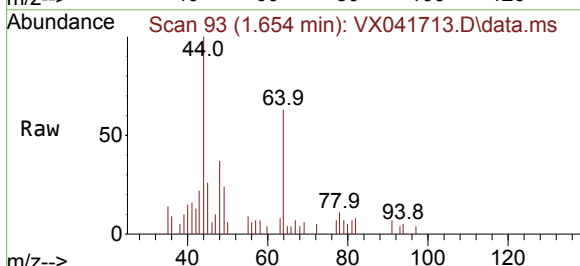
Acq: 03 Jun 2024 18:38

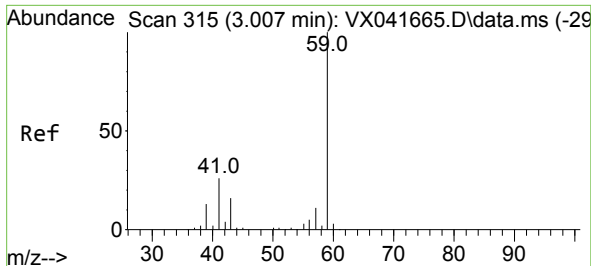
Tgt Ion: 64 Resp: 290

Ion Ratio Lower Upper

64 100

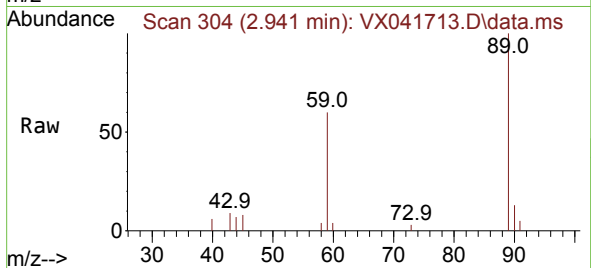
66 0.0 25.1 37.7#



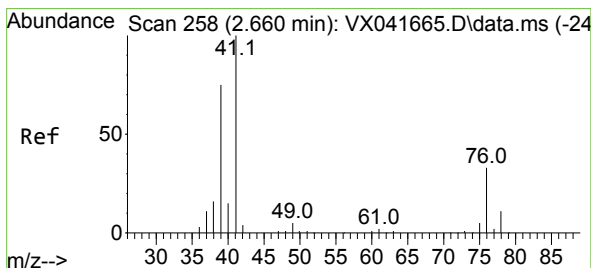
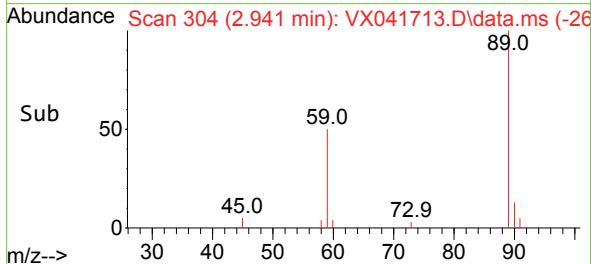
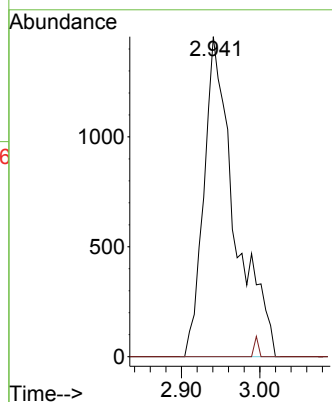


#11
Tert butyl alcohol
Concen: 13.228 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Instrument :
MSVOA_X
ClientSampleId :

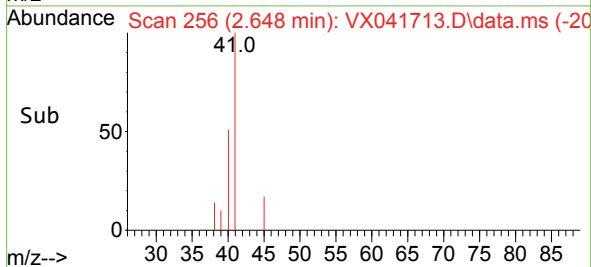
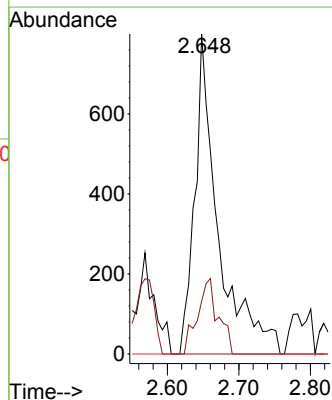
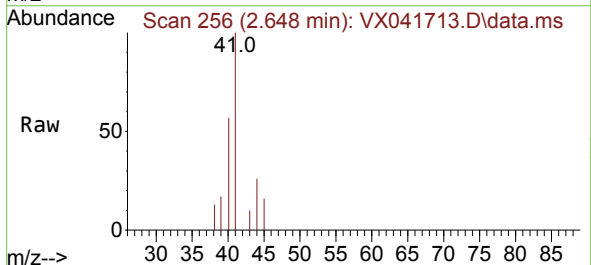


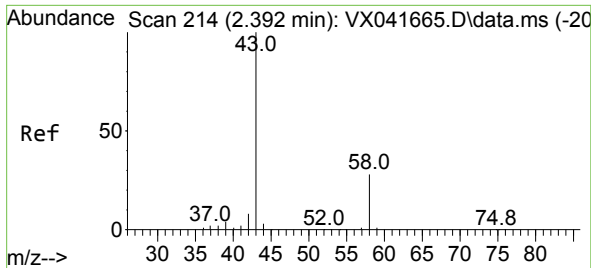
Tgt Ion: 59 Resp: 3976
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.894 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 41 Resp: 1817
Ion Ratio Lower Upper
41 100
39 20.9 55.8 83.6#
76 0.0 24.3 36.5#

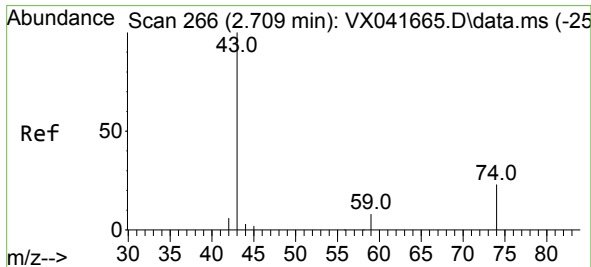
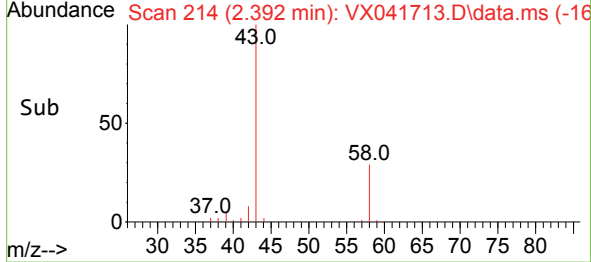
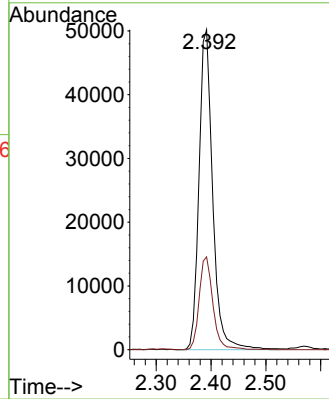
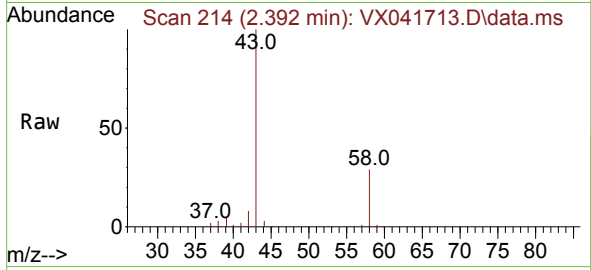




#16
Acetone
Concen: 115.466 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

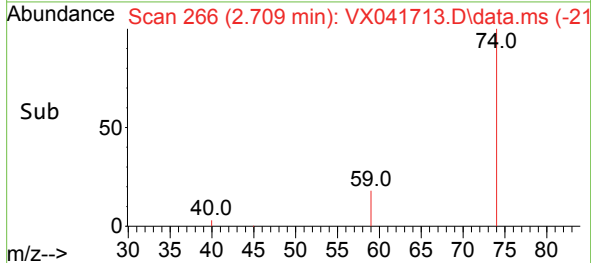
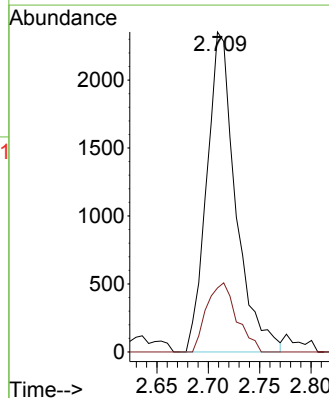
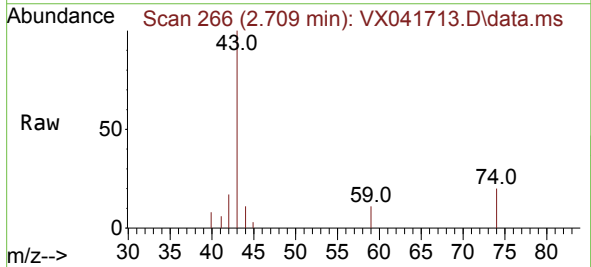
Instrument :
MSVOA_X
ClientSampleId :

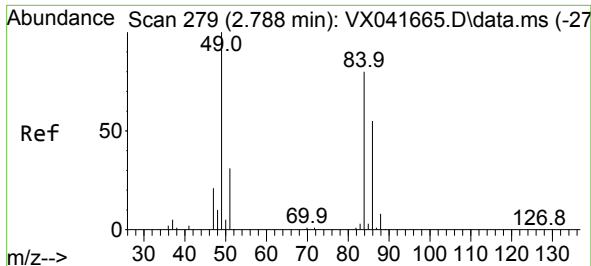
Tgt Ion: 43 Resp: 87096
Ion Ratio Lower Upper
43 100
58 29.0 21.9 32.9



#18
Methyl Acetate
Concen: 2.840 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 43 Resp: 4607
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8





#20

Methylene Chloride

Concen: 2.580 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

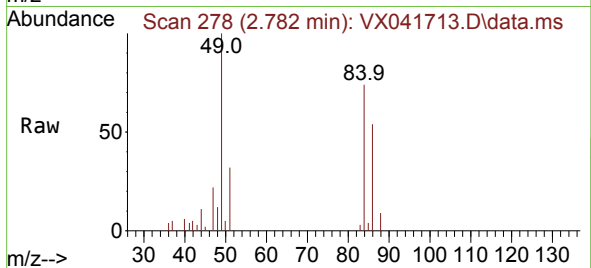
Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 3923

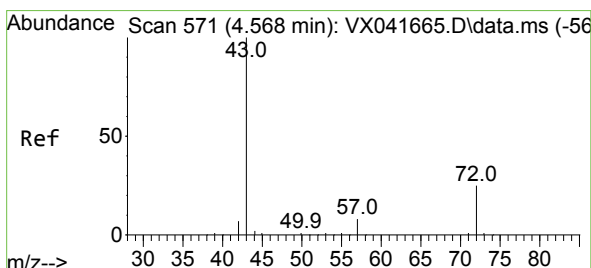
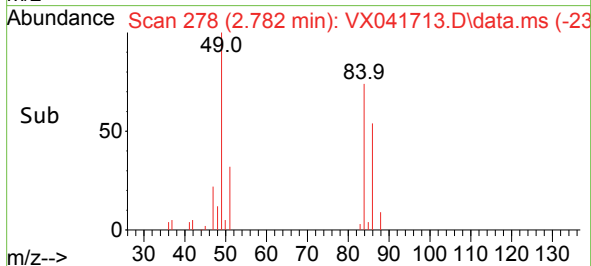
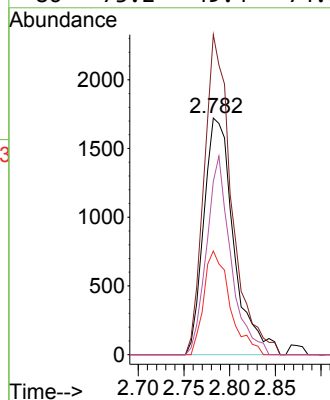
Ion Ratio Lower Upper

84 100

49 135.2 103.6 155.4

51 43.8 33.8 50.6

86 73.2 49.4 74.0



#25

2-Butanone

Concen: 19.020 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX041713.D

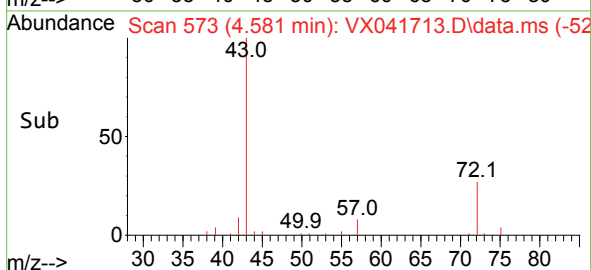
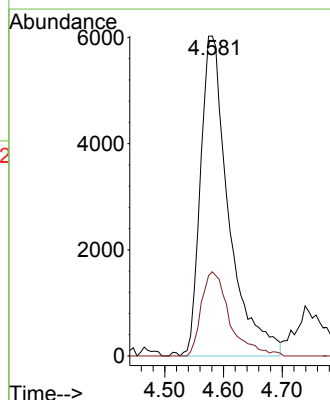
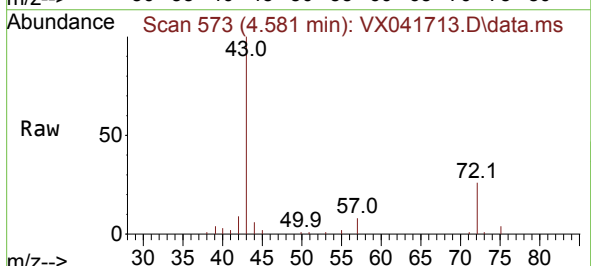
Acq: 03 Jun 2024 18:38

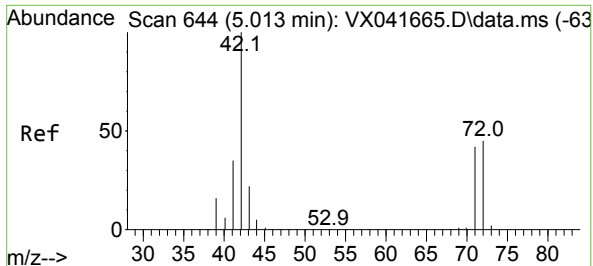
Tgt Ion: 43 Resp: 20086

Ion Ratio Lower Upper

43 100

72 26.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 4.848 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX041713.D

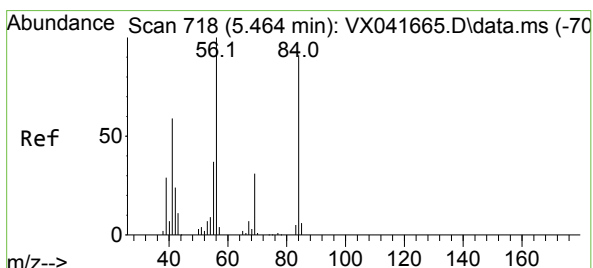
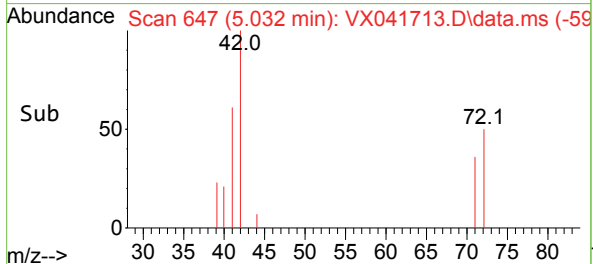
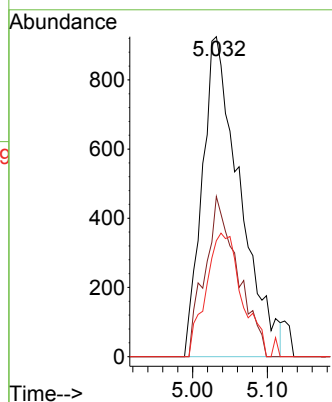
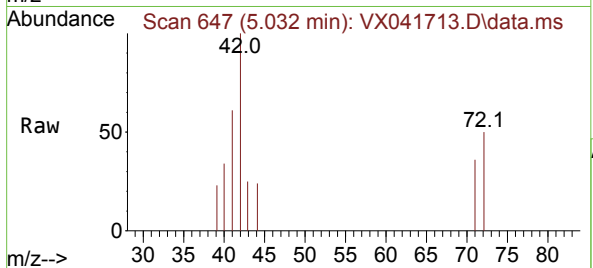
Acq: 03 Jun 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 3229
Ion Ratio	Lower Upper
42 100	
72 43.5	34.2 51.4
71 36.9	32.2 48.2



#31

Cyclohexane

Concen: 1.231 ug/l

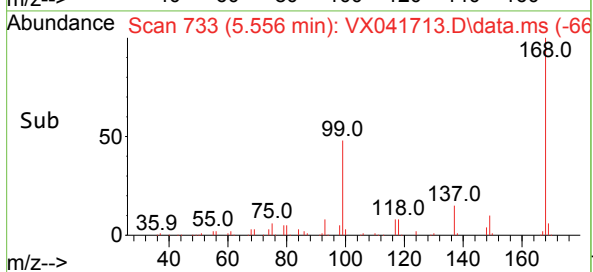
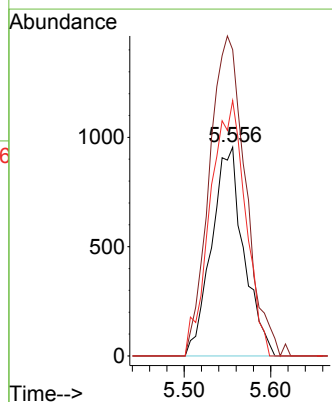
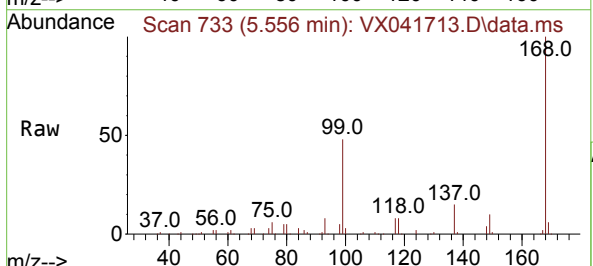
RT: 5.556 min Scan# 733

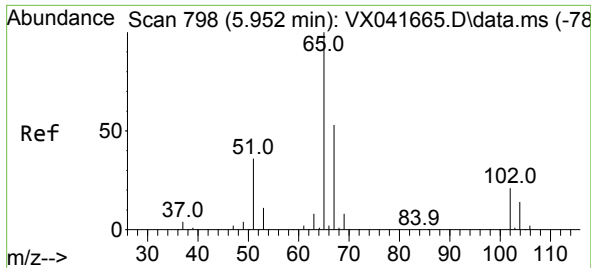
Delta R.T. 0.092 min

Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Tgt Ion: 56	Resp: 2469
Ion Ratio	Lower Upper
56 100	
69 146.7	23.4 35.2#
84 122.3	65.9 98.9#

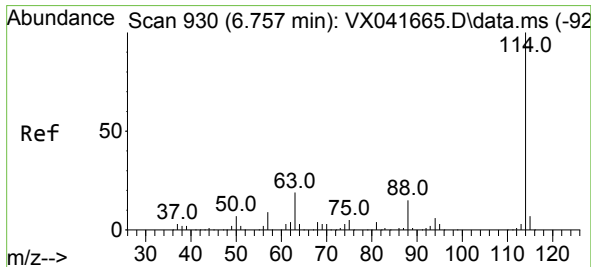
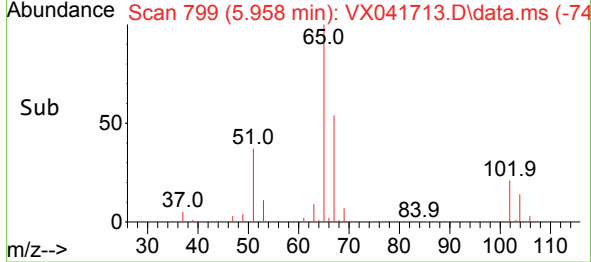
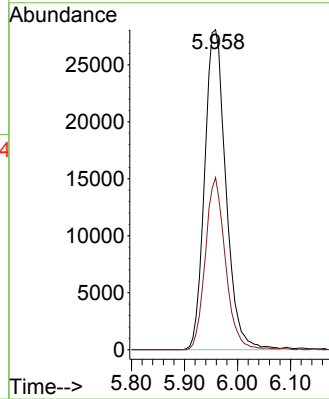
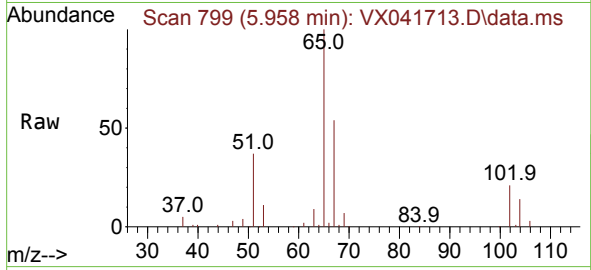




#33
1,2-Dichloroethane-d4
Concen: 46.020 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

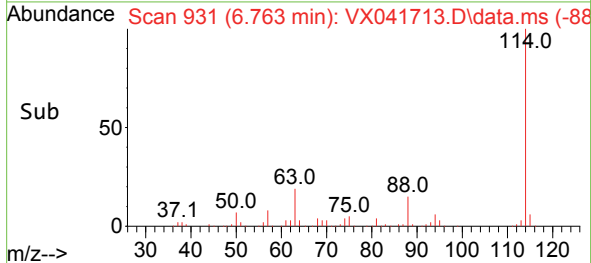
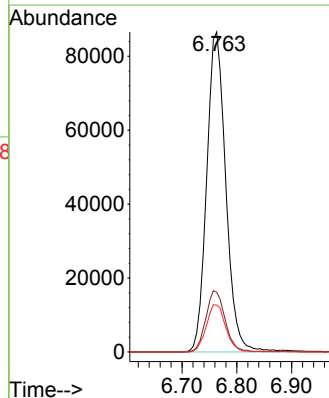
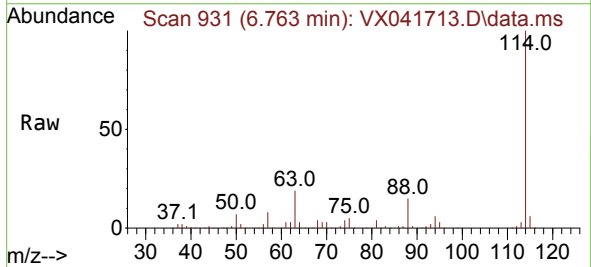
Instrument :
MSVOA_X
ClientSampleId :

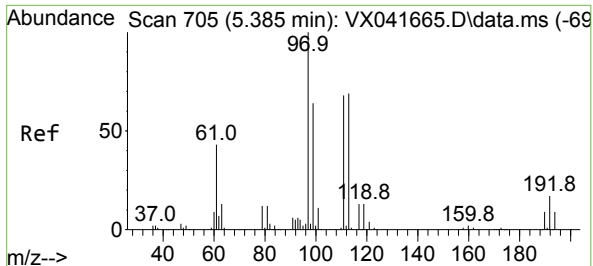
Tgt Ion: 65 Resp: 78196
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

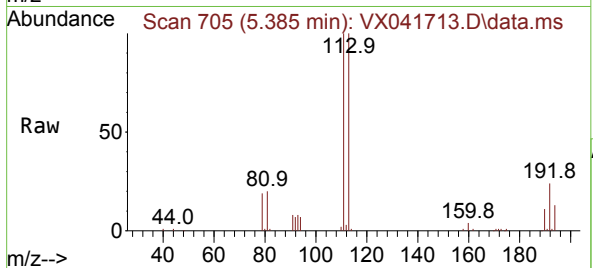
Tgt Ion:114 Resp: 208976
Ion Ratio Lower Upper
114 100
63 18.7 0.0 45.0
88 14.6 0.0 36.6



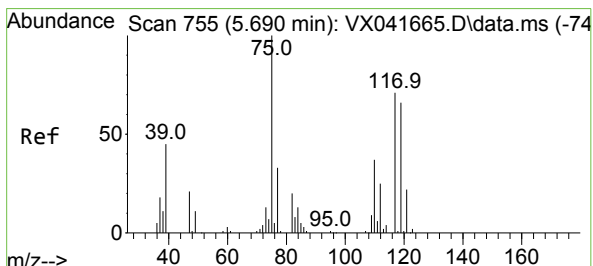
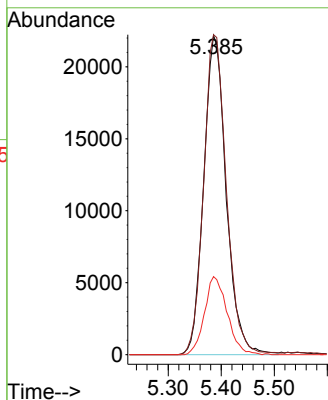
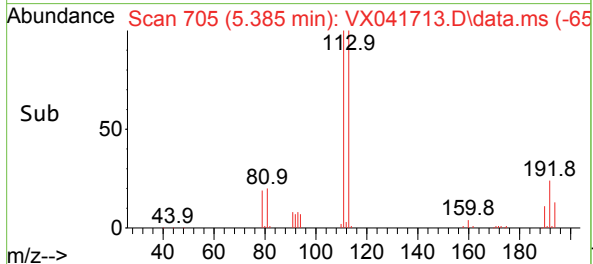


#35
Dibromofluoromethane
Concen: 45.176 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Instrument :
MSVOA_X
ClientSampleId :

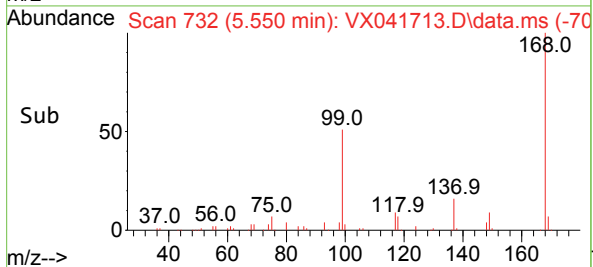
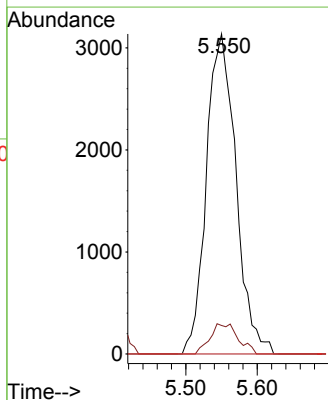
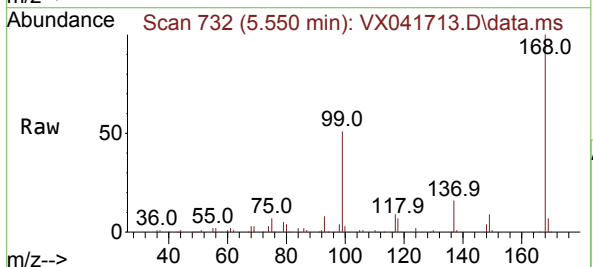


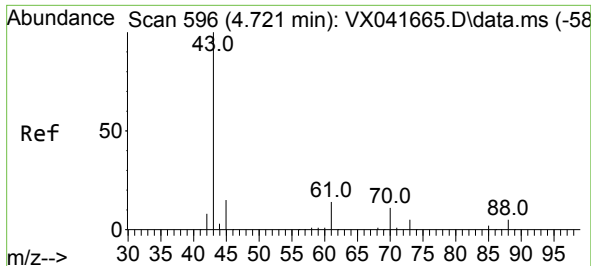
Tgt Ion:113 Resp: 65272
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 24.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 75 Resp: 8999
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.578 ug/l

RT: 4.739 min Scan# 596

Delta R.T. 0.019 min

Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

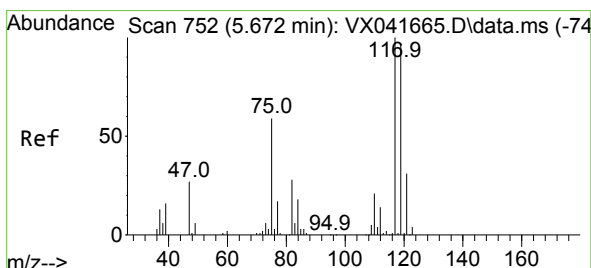
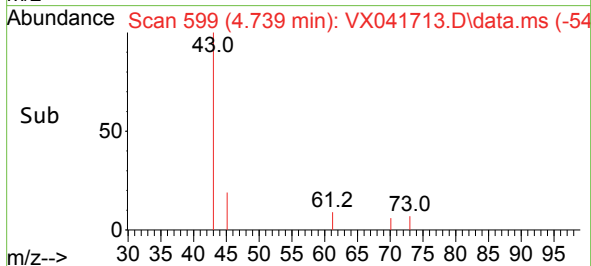
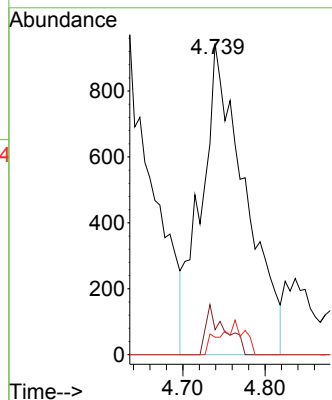
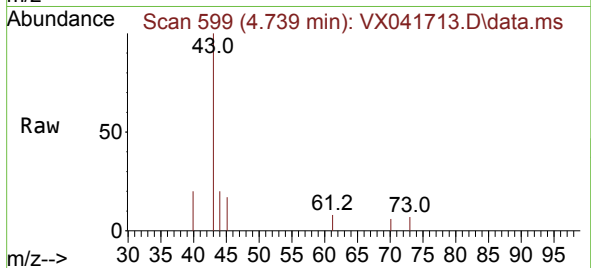
Tgt Ion: 43 Resp: 3483

Ion Ratio Lower Upper

43 100

61 6.9 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

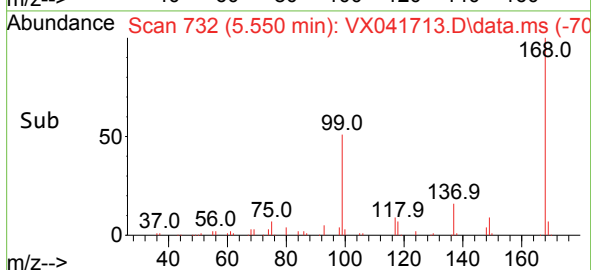
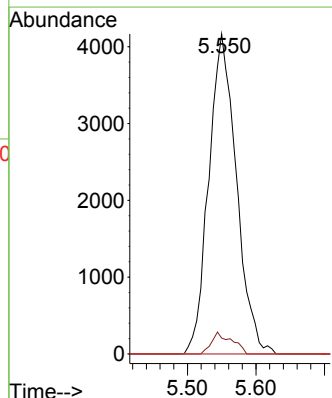
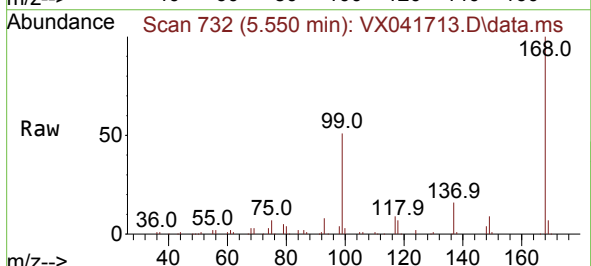
Tgt Ion: 117 Resp: 11680

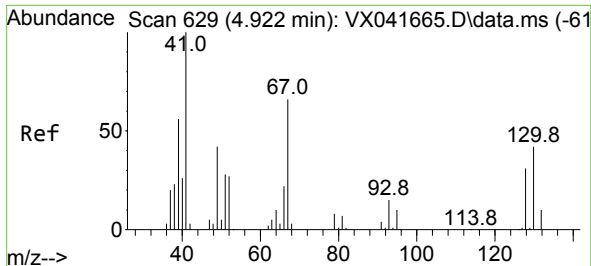
Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

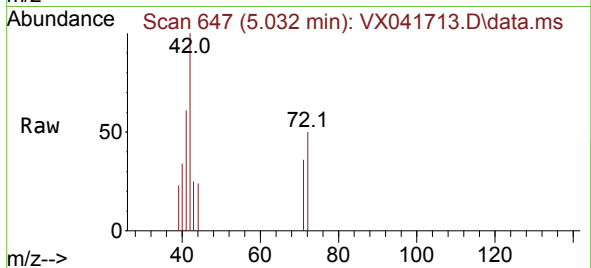
121 0.0 24.4 36.6#



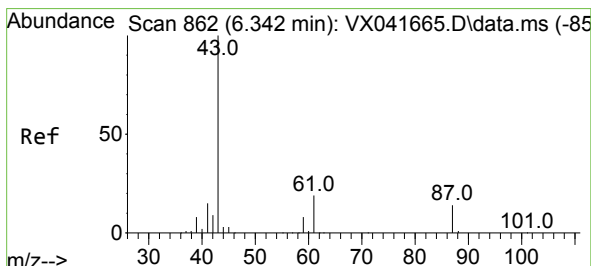
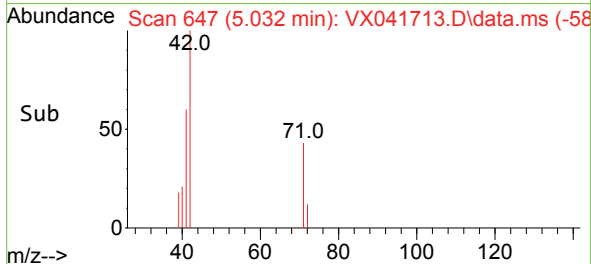
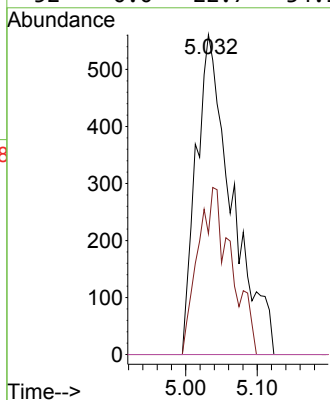


#41
Methacrylonitrile
Concen: 1.800 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Instrument :
MSVOA_X
ClientSampleId :

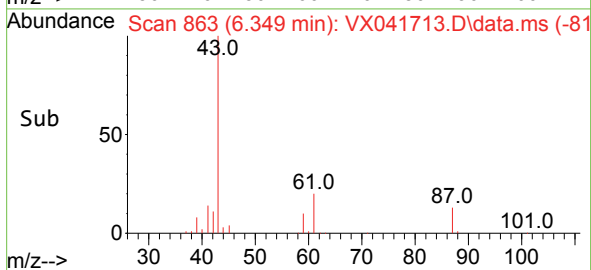
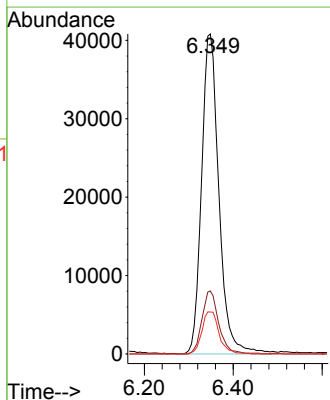
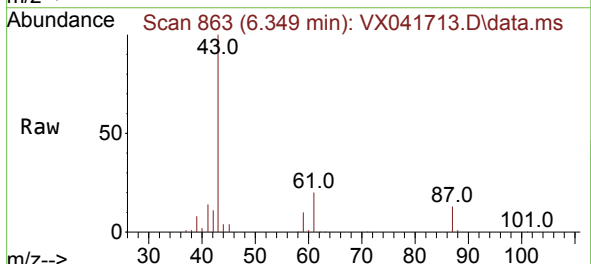


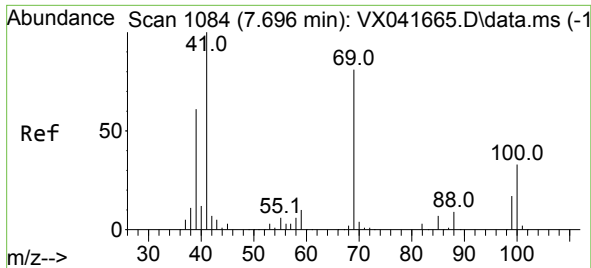
Tgt Ion:	41	Resp:	1944
Ion	Ratio	Lower	Upper
41	100		
39	49.2	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 33.312 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion:	43	Resp:	111043
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	13.1	9.8	14.6

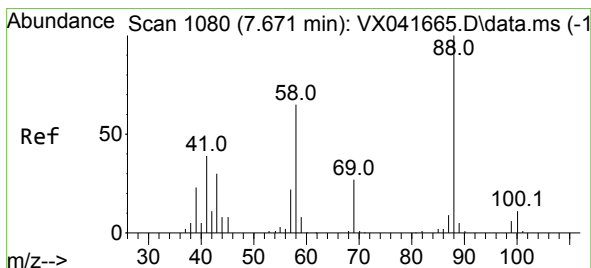
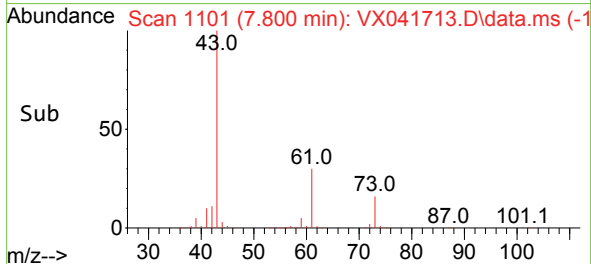
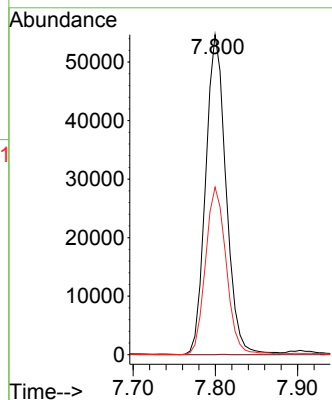
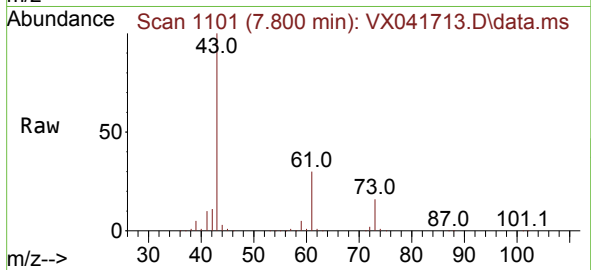




#48
Methyl methacrylate
Concen: 58.902 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

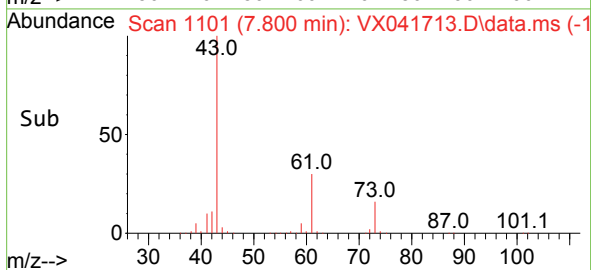
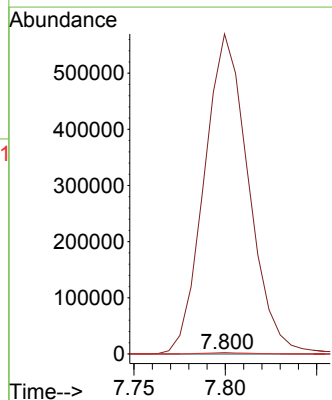
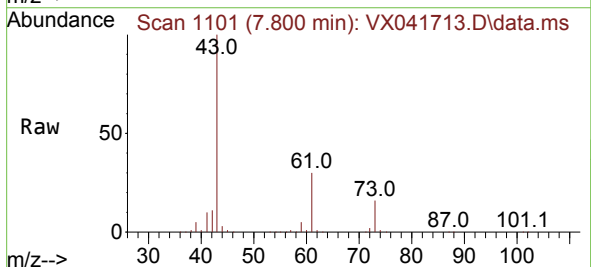
Instrument :
MSVOA_X
ClientSampleId :

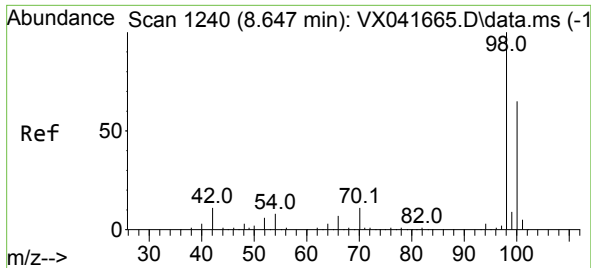
Tgt Ion: 41 Resp: 94292
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 53.3 47.7 71.5



#49
1,4-Dioxane
Concen: 4.346 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 639981.6 0.0 0.0#
58 2669.1 60.1 90.1#

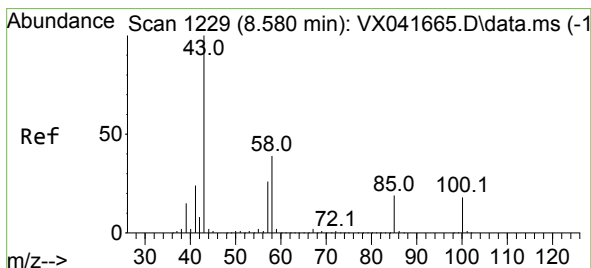
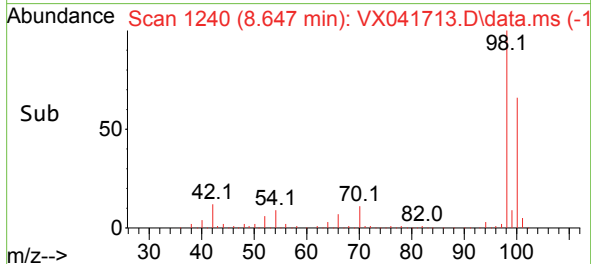
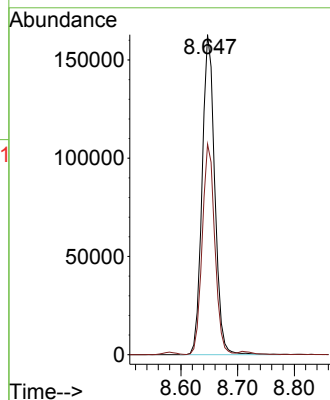
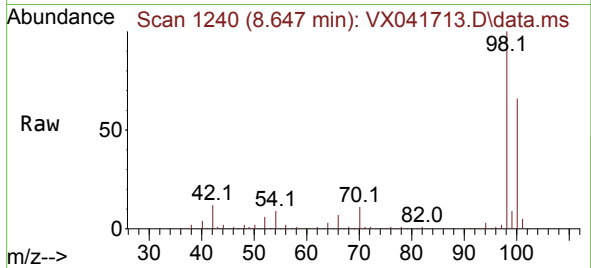




#50
Toluene-d8
Concen: 49.882 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

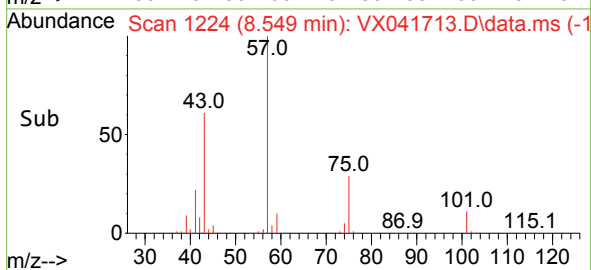
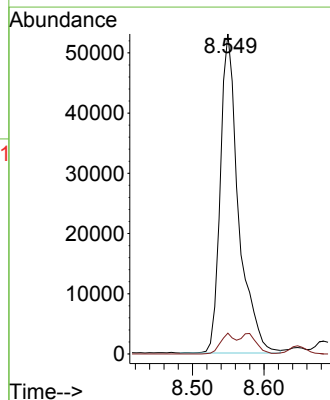
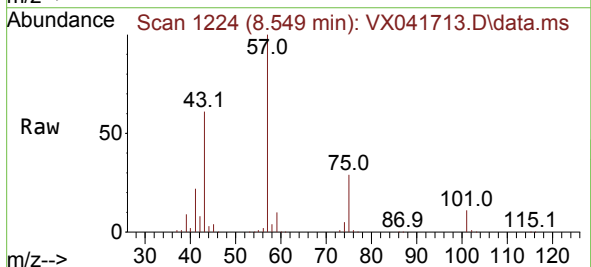
Instrument :
MSVOA_X
ClientSampleId :

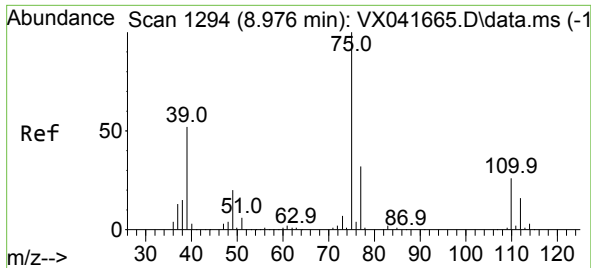
Tgt Ion: 98 Resp: 251830
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 43.481 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion: 43 Resp: 93989
Ion Ratio Lower Upper
43 100
58 5.2 30.4 45.6#

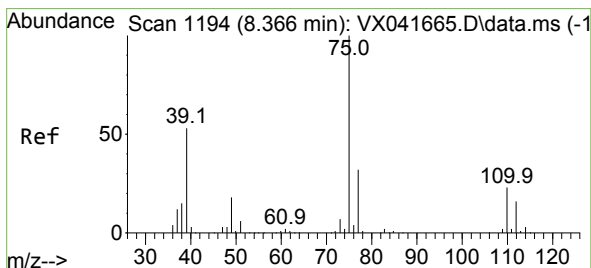
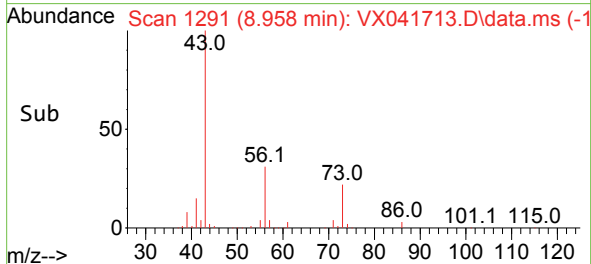
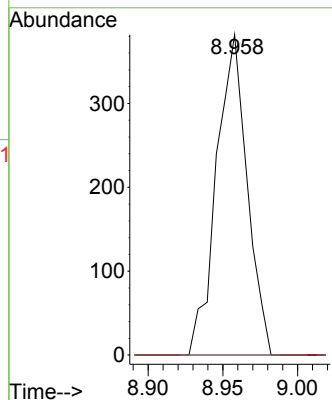
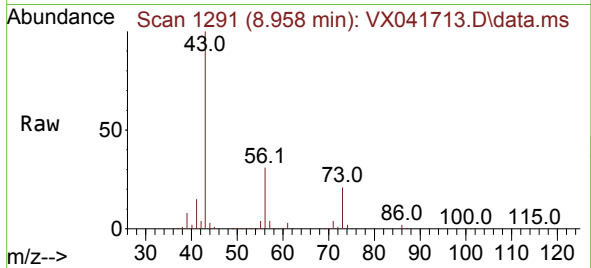




#53
 t-1,3-Dichloropropene
 Concen: 0.300 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041713.D
 Acq: 03 Jun 2024 18:38

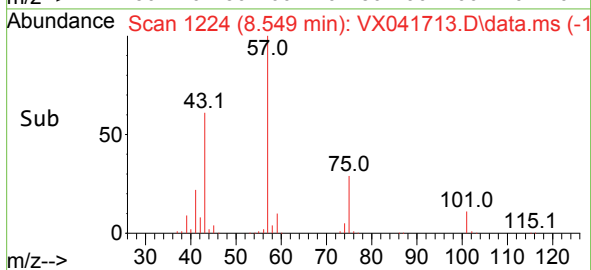
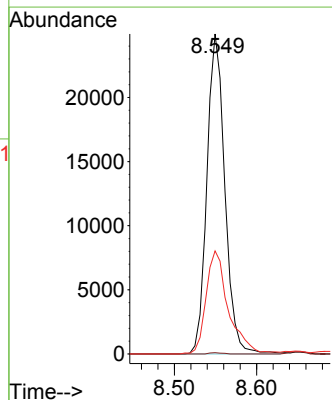
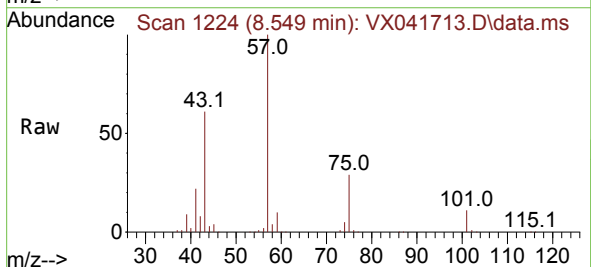
Instrument :
 MSVOA_X
 ClientSampleId :

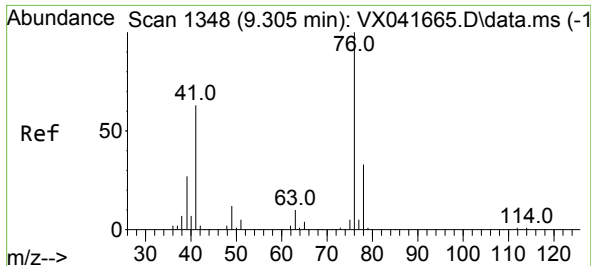
Tgt Ion: 75 Resp: 546
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.780 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041713.D
 Acq: 03 Jun 2024 18:38

Tgt Ion: 75 Resp: 37761
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 32.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.903 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Instrument :

MSVOA_X

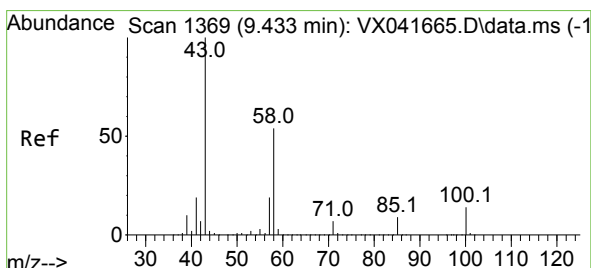
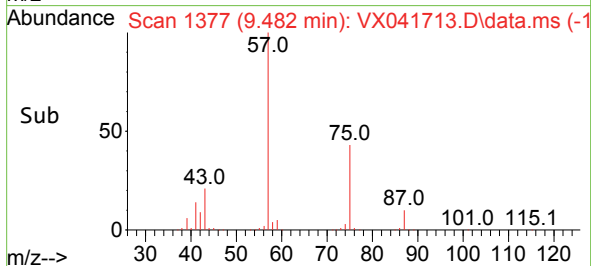
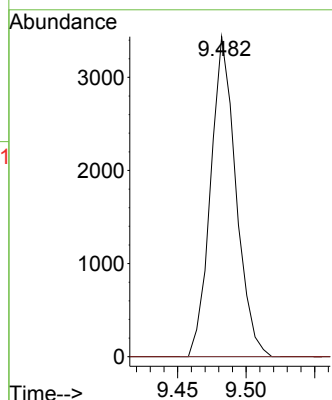
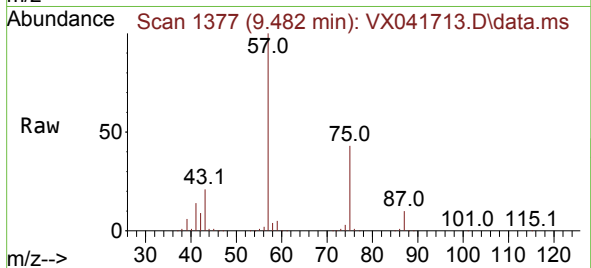
ClientSampleId :

Tgt Ion: 76 Resp: 4419

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.908 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041713.D

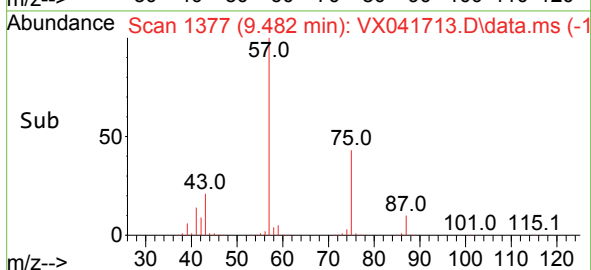
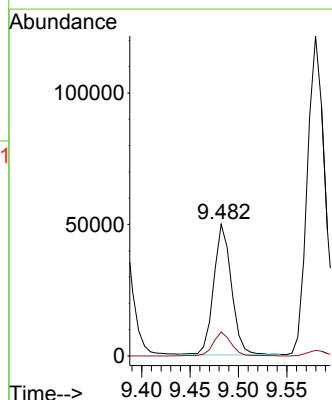
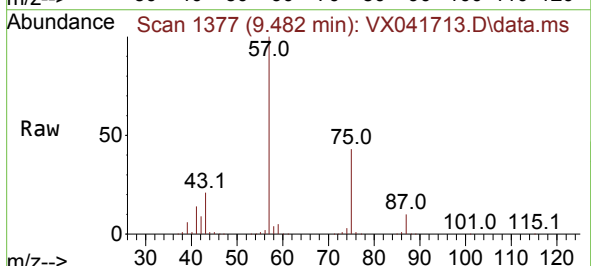
Acq: 03 Jun 2024 18:38

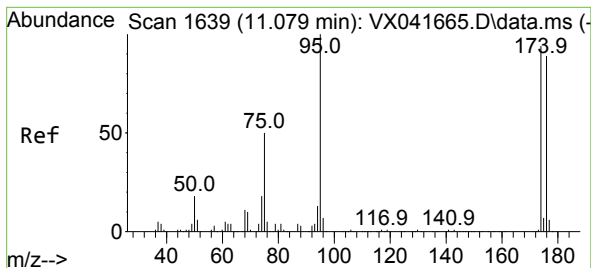
Tgt Ion: 43 Resp: 64120

Ion Ratio Lower Upper

43 100

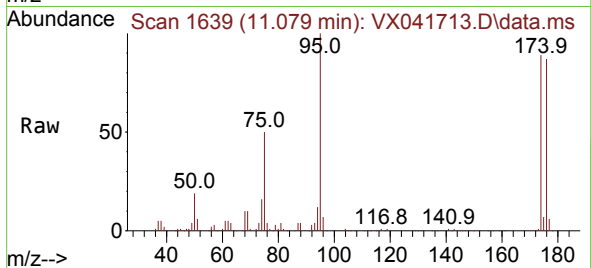
58 18.7 26.2 78.5#



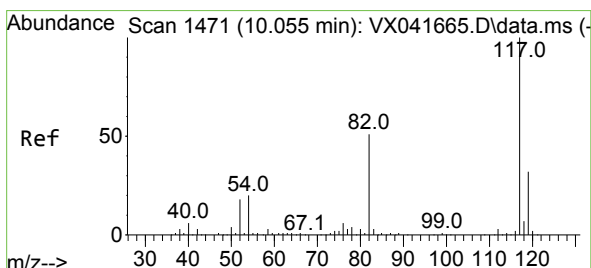
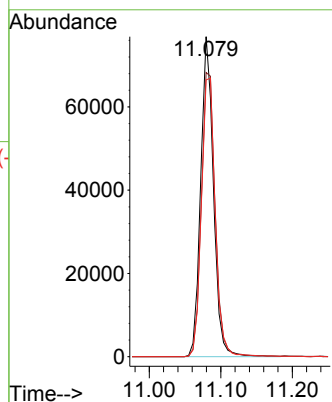
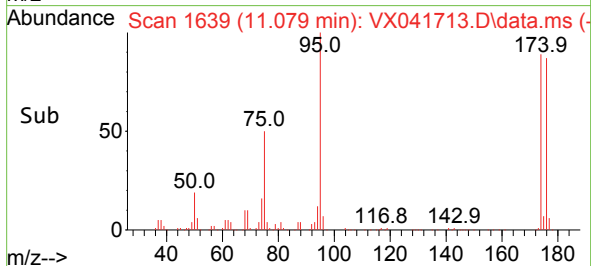


#62
4-Bromofluorobenzene
Concen: 51.077 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

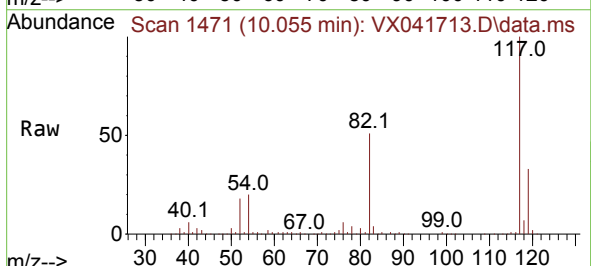
Instrument :
MSVOA_X
ClientSampleId :



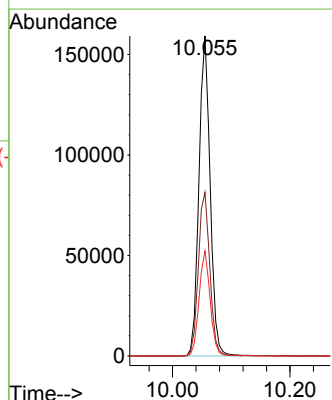
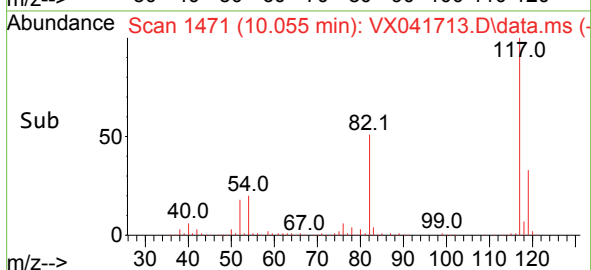
Tgt Ion: 95 Resp: 95172
Ion Ratio Lower Upper
95 100
174 96.4 0.0 135.6
176 94.8 0.0 131.0

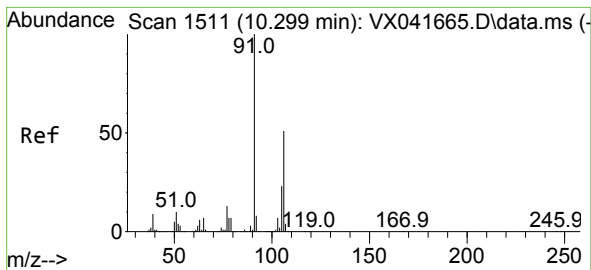


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38



Tgt Ion: 117 Resp: 210435
Ion Ratio Lower Upper
117 100
82 51.1 46.2 69.4
119 32.8 25.5 38.3

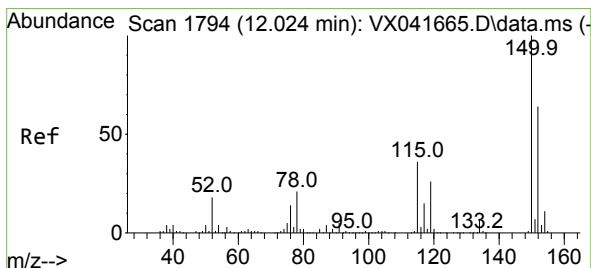
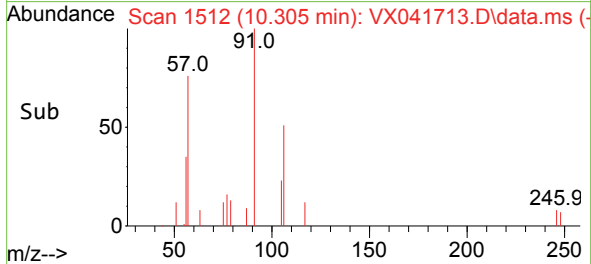
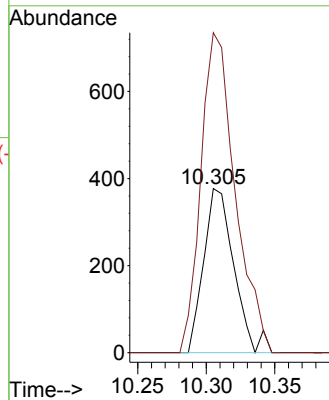
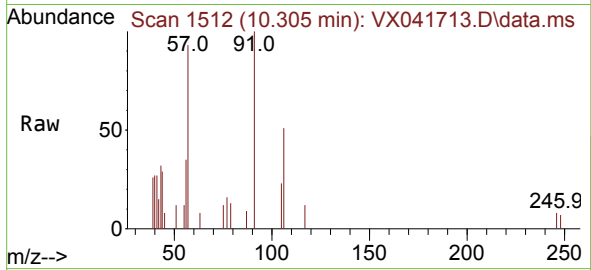




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

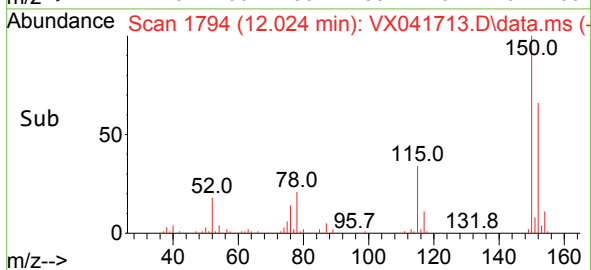
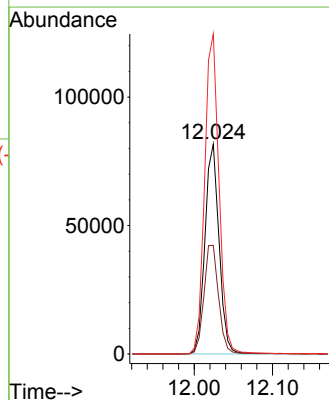
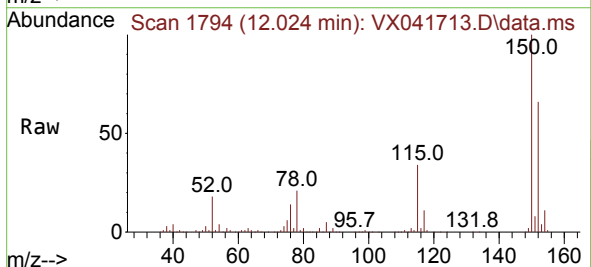
Instrument :
MSVOA_X
ClientSampleId :

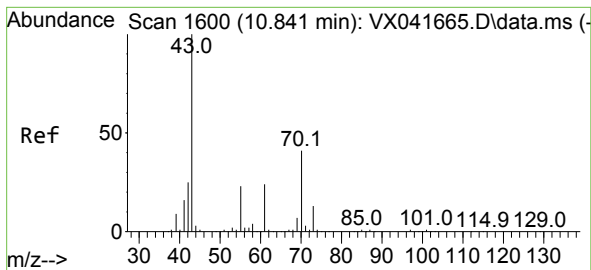
Tgt Ion:106 Resp: 578
Ion Ratio Lower Upper
106 100
91 221.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041713.D
Acq: 03 Jun 2024 18:38

Tgt Ion:152 Resp: 102157
Ion Ratio Lower Upper
152 100
115 54.0 43.3 129.9
150 155.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.281 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

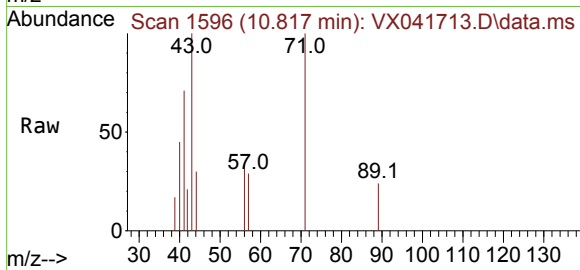
Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Instrument :

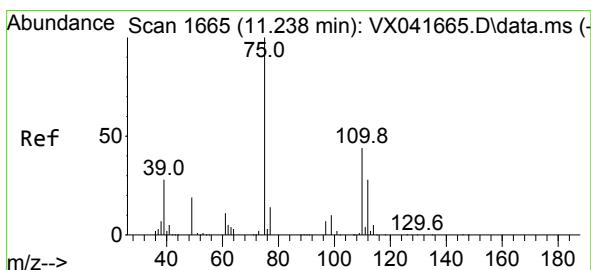
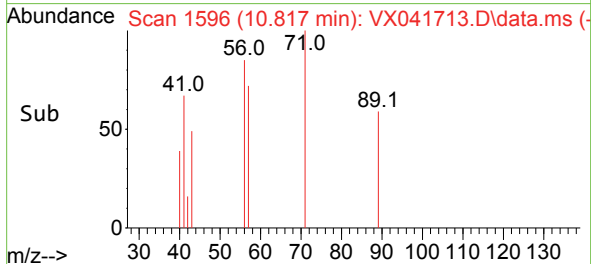
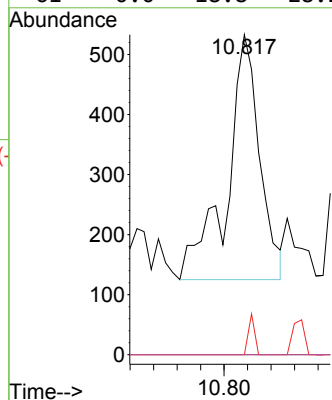
MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 788

Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	3.2	19.3	28.9#
61	0.0	18.8	28.2#



#76

1,2,3-Trichloropropane

Concen: 26.914 ug/l

RT: 11.079 min Scan# 1639

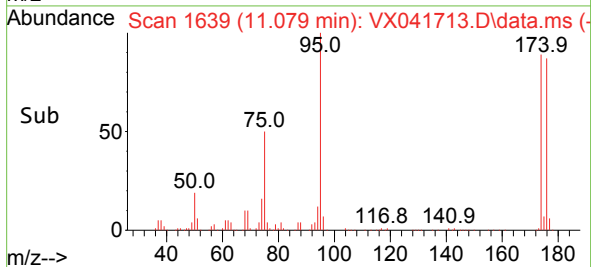
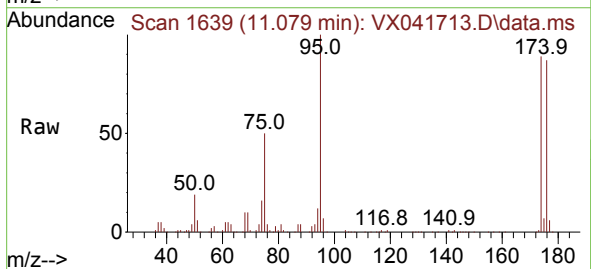
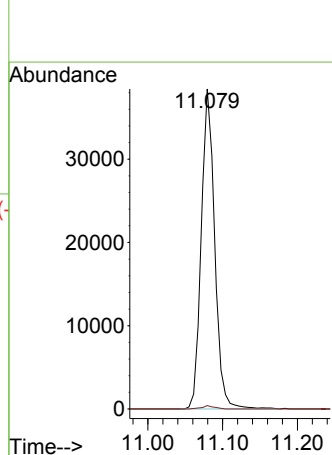
Delta R.T. -0.158 min

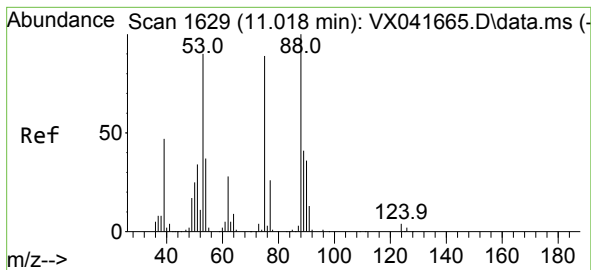
Lab File: VX041713.D

Acq: 03 Jun 2024 18:38

Tgt Ion: 75 Resp: 47972

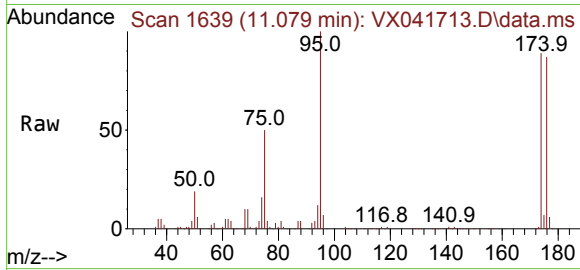
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.354 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041713.D
 Acq: 03 Jun 2024 18:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 47972
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

