

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061224\
 Data File : VX041837.D
 Acq On : 12 Jun 2024 13:15
 Operator : JC/MD
 Sample : P2784-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 03:42:31 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

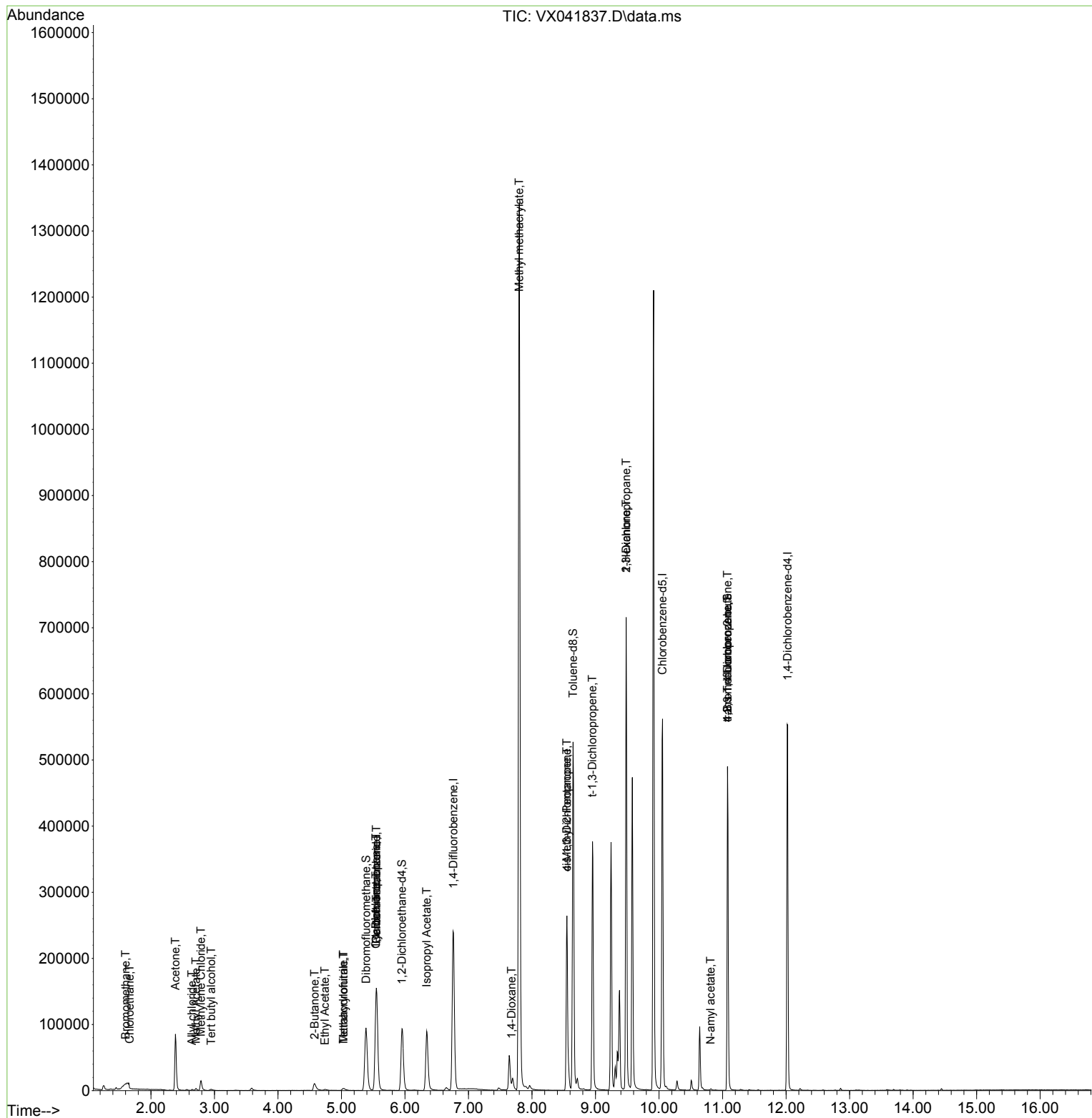
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	169648	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	272609	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91179	43.822	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.640%		
35) Dibromofluoromethane	5.385	113	83278	44.184	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.360%		
50) Toluene-d8	8.647	98	325605	49.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.880%		
62) 4-Bromofluorobenzene	11.079	95	124269	51.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.260%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	428	0.367	ug/l	# 76
6) Chloroethane	1.666	64	220	0.217	ug/l	# 43
11) Tert butyl alcohol	2.947	59	1072	2.912	ug/l	# 78
14) Allyl chloride	2.642	41	1763	0.709	ug/l	# 39
16) Acetone	2.386	43	91758	98.772	ug/l	90
18) Methyl Acetate	2.709	43	3979	2.003	ug/l	99
20) Methylene Chloride	2.788	84	7985	4.288	ug/l	# 92
25) 2-Butanone	4.574	43	22431	17.346	ug/l	99
29) Tetrahydrofuran	5.032	42	3629	4.450	ug/l	# 63
31) Cyclohexane	5.544	56	2429	0.989	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	10302	4.514	ug/l	# 51
37) Ethyl Acetate	4.739	43	3455	1.200	ug/l	# 92
38) Carbon Tetrachloride	5.550	117	14486	5.587	ug/l	# 15
41) Methacrylonitrile	5.032	41	1915	1.360	ug/l	# 49
43) Isopropyl Acetate	6.342	43	124236	28.570	ug/l	96
48) Methyl methacrylate	7.799	41	111180	53.240	ug/l	# 45
49) 1,4-Dioxane	7.677	88	51	1.118	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.549	43	98796	35.036	ug/l	# 47
53) t-1,3-Dichloropropene	8.952	75	869	0.367	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	44930	17.130	ug/l	# 53
57) 1,3-Dichloropropane	9.482	76	6235	2.058	ug/l	# 42
59) 2-Hexanone	9.482	43	81211	37.776	ug/l	# 54
74) N-amyl acetate	10.811	43	846	0.228	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	57153	24.245	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	57153	66.078	ug/l	# 5

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

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Sample : P2784-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

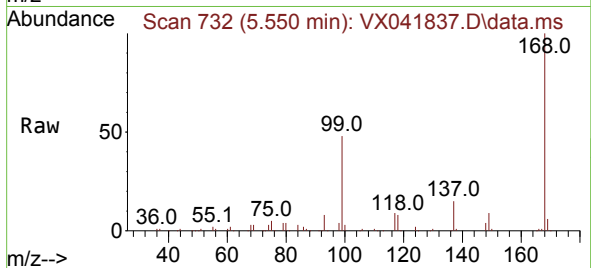
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



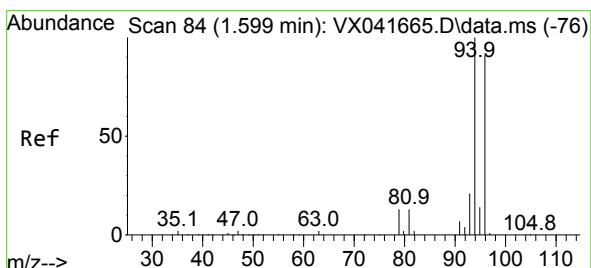
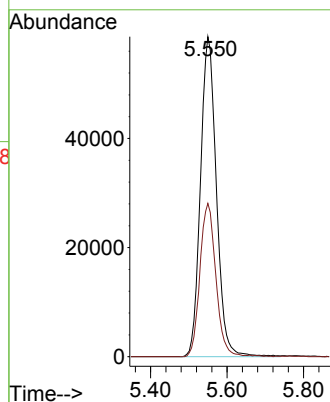
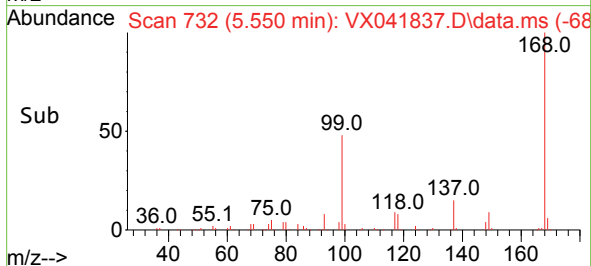


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

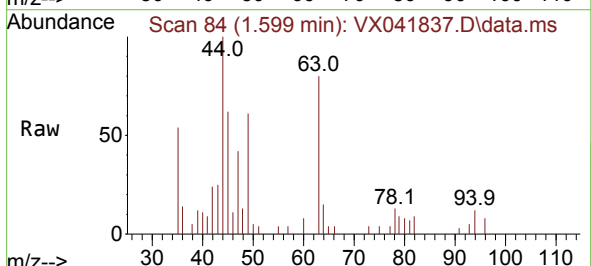
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MSVOA_X
ClientSampleId :



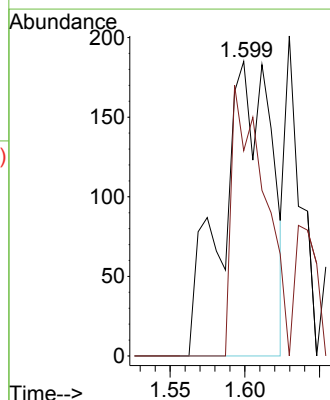
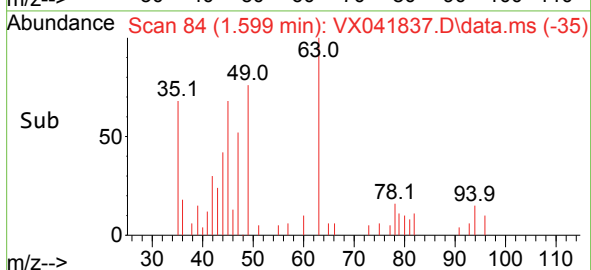
Tgt Ion:168 Resp: 169648
Ion Ratio Lower Upper
168 100
99 47.9 56.6 85.0#

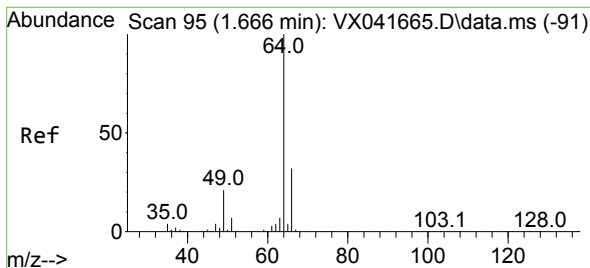


#5
Bromomethane
Concen: 0.367 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15



Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 69.7 74.6 111.8#

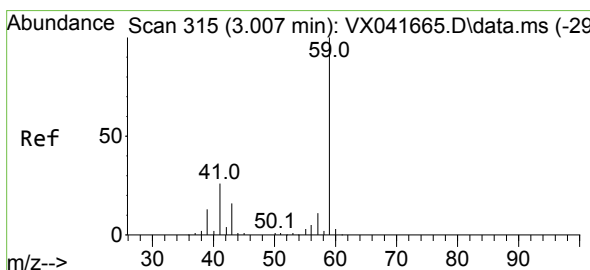
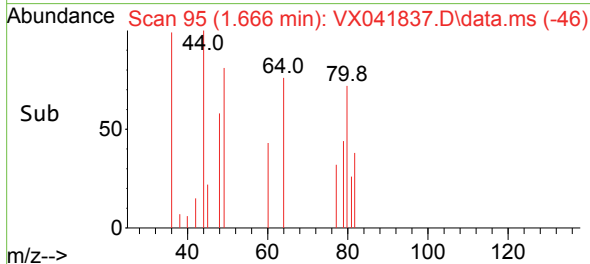
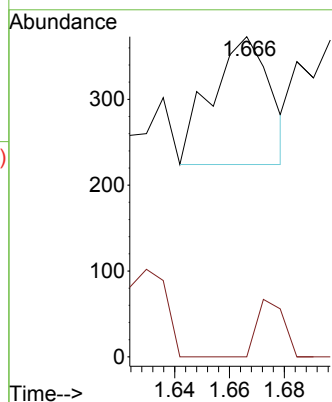
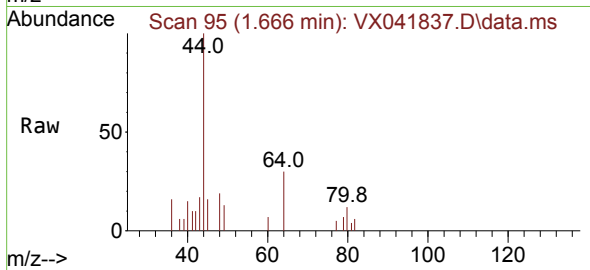




#6
 Chloroethane
 Concen: 0.217 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

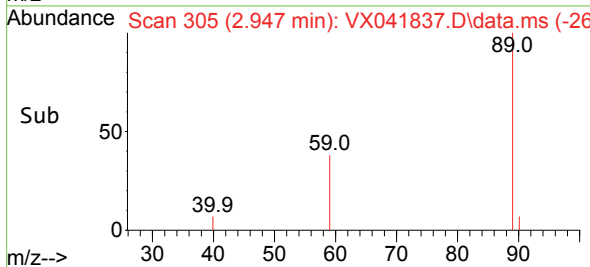
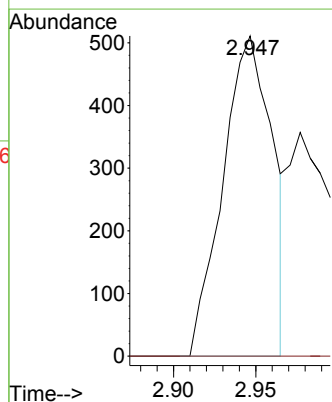
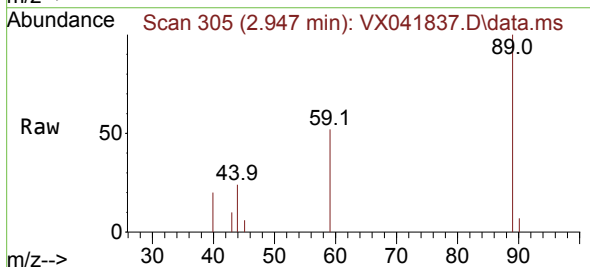
Instrument :
 MSVOA_X
 ClientSampleId :

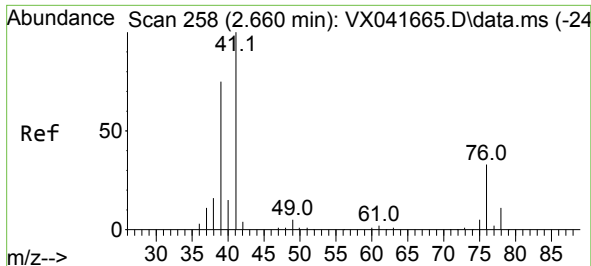
Tgt Ion: 64 Resp: 220
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 2.912 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.061 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

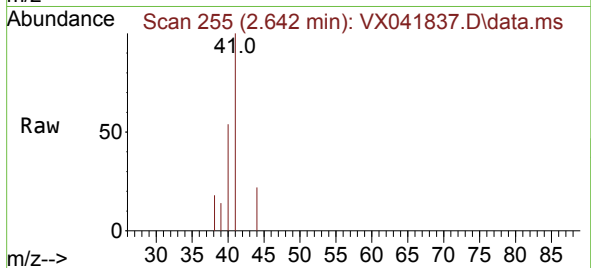
Tgt Ion: 59 Resp: 1072
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#



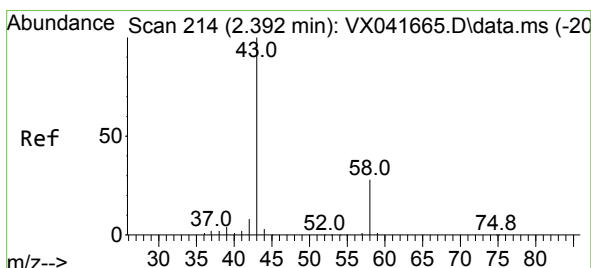
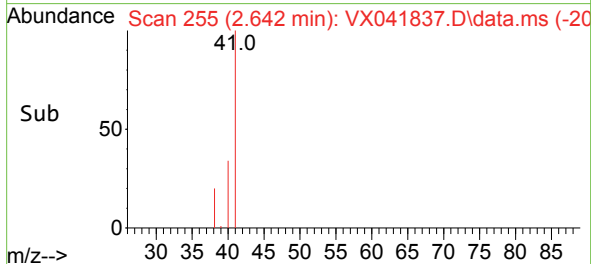
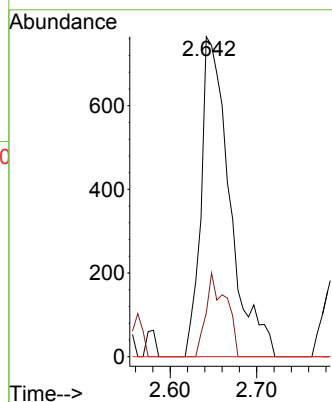


#14
 Allyl chloride
 Concen: 0.709 ug/l
 RT: 2.642 min Scan# 213
 Delta R.T. -0.018 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

Instrument :
 MSVOA_X
 ClientSampleId :

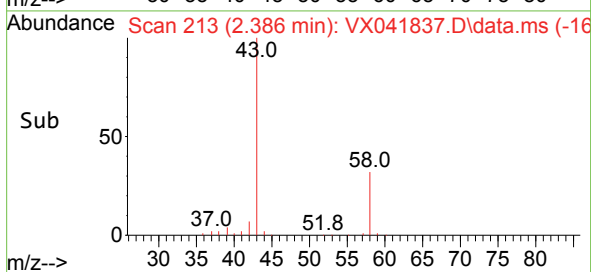
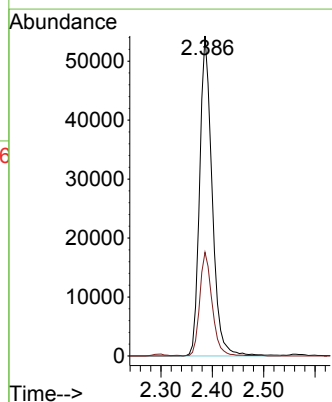
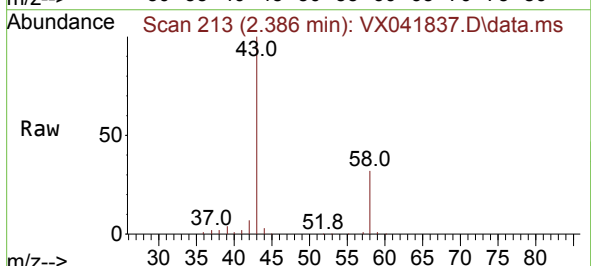


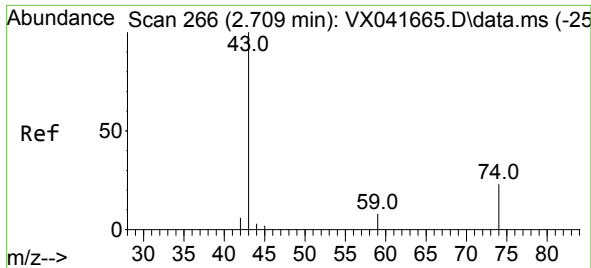
Tgt Ion: 41 Resp: 1763
 Ion Ratio Lower Upper
 41 100
 39 18.3 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 98.772 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

Tgt Ion: 43 Resp: 91758
 Ion Ratio Lower Upper
 43 100
 58 32.4 21.9 32.9

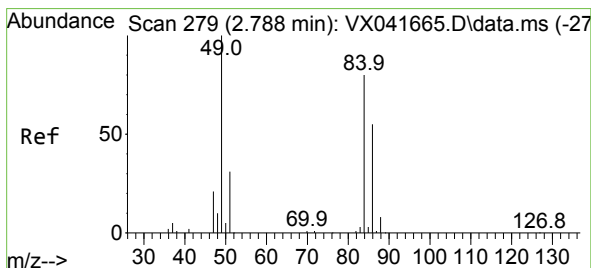
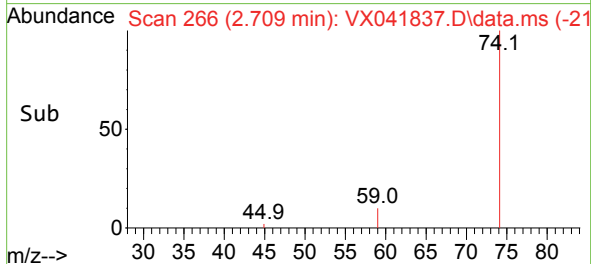
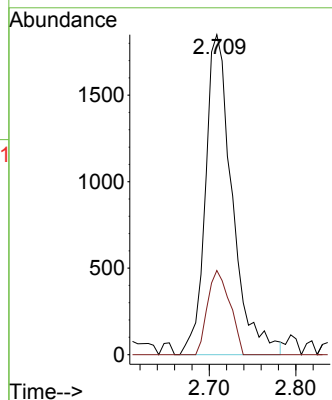
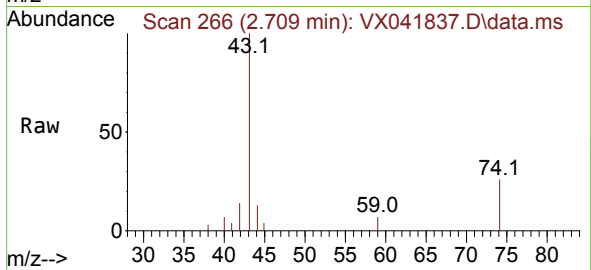




#18
Methyl Acetate
Concen: 2.003 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

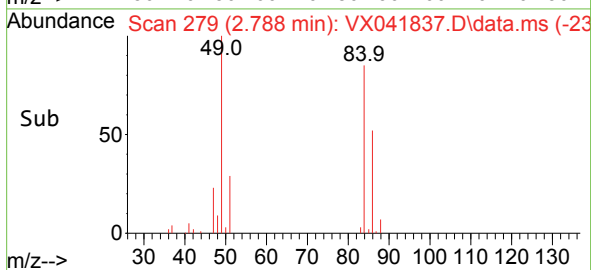
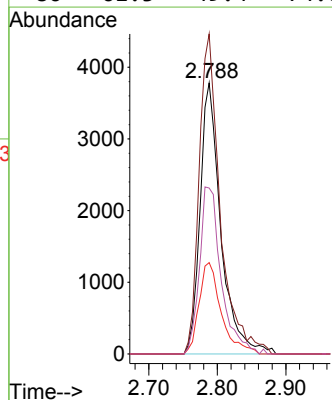
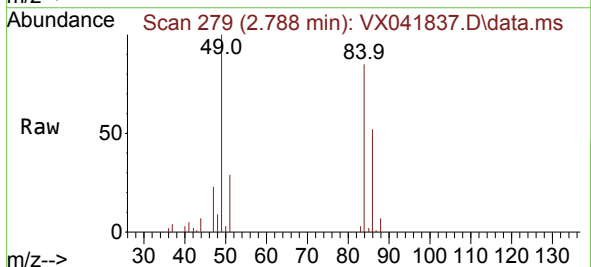
Instrument :
MSVOA_X
ClientSampleId :

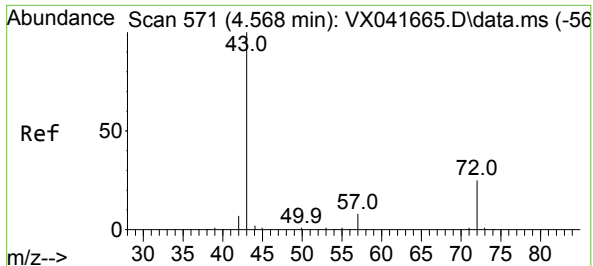
Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 4.288 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 84 Resp: 7985
Ion Ratio Lower Upper
84 100
49 118.1 103.6 155.4
51 33.7 33.8 50.6#
86 61.3 49.4 74.0





#25

2-Butanone

Concen: 17.346 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

Instrument :

MSVOA_X

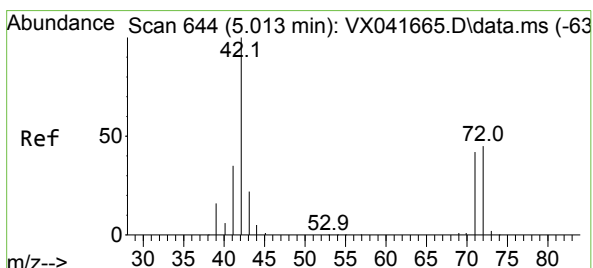
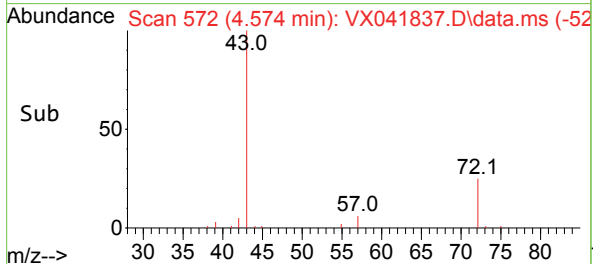
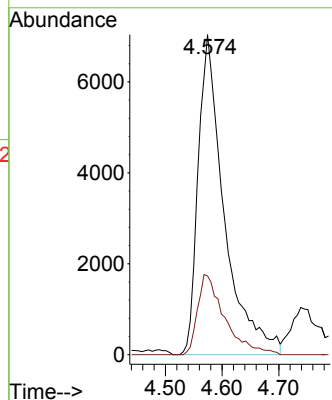
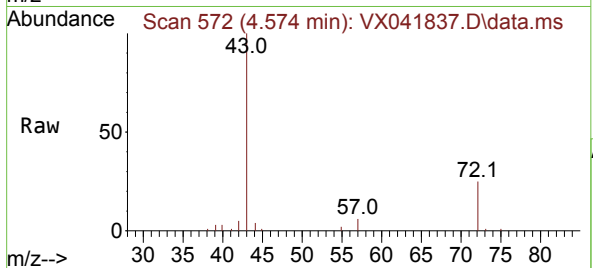
ClientSampleId :

Tgt Ion: 43 Resp: 22431

Ion Ratio Lower Upper

43 100

72 24.6 19.4 29.2



#29

Tetrahydrofuran

Concen: 4.450 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

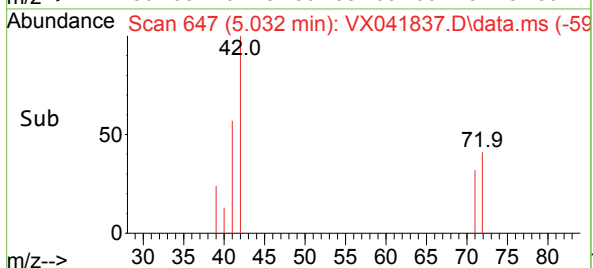
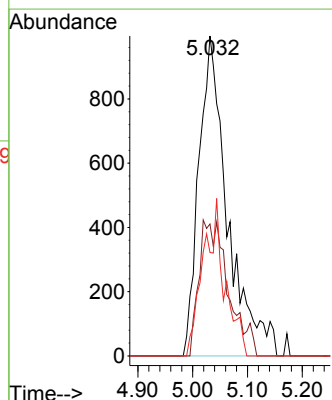
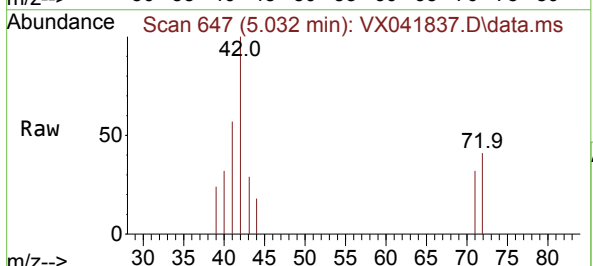
Tgt Ion: 42 Resp: 3629

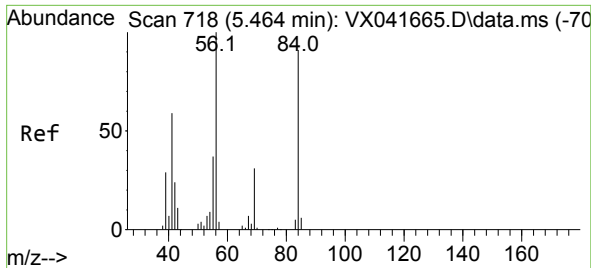
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

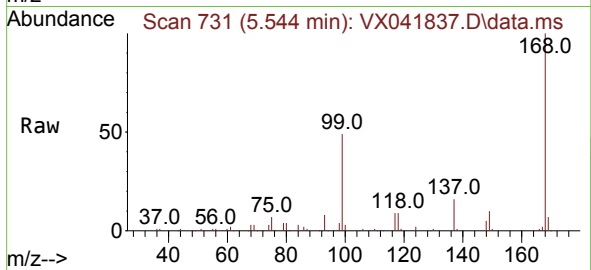
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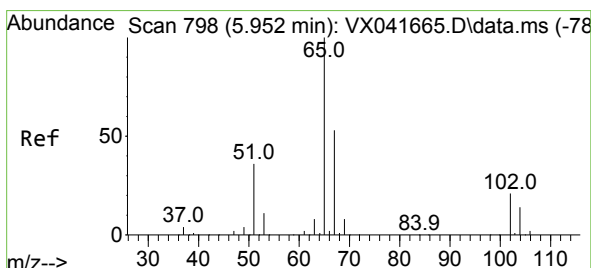
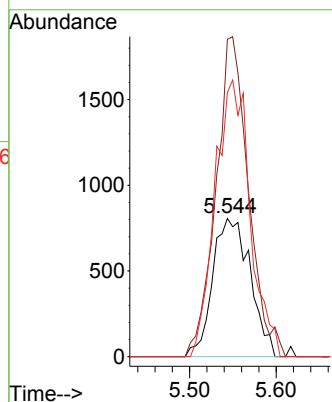
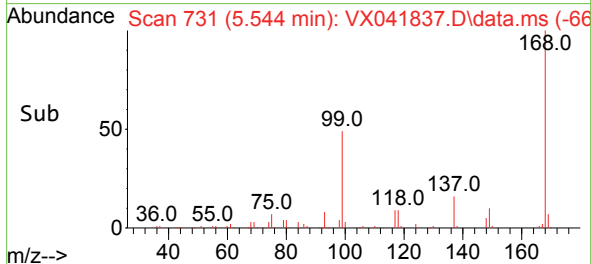


#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Instrument :
MSVOA_X
ClientSampleId :

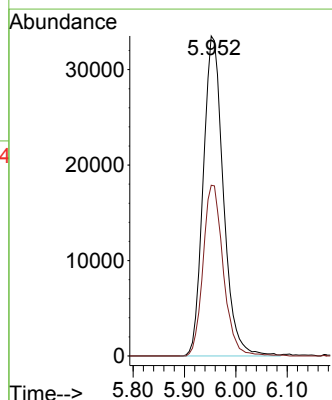
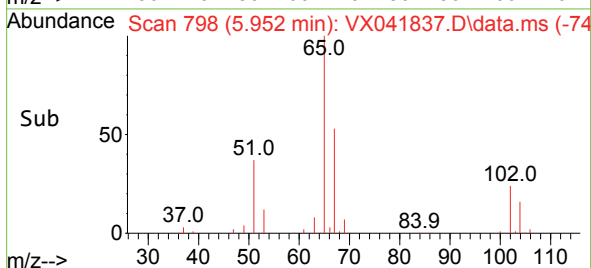
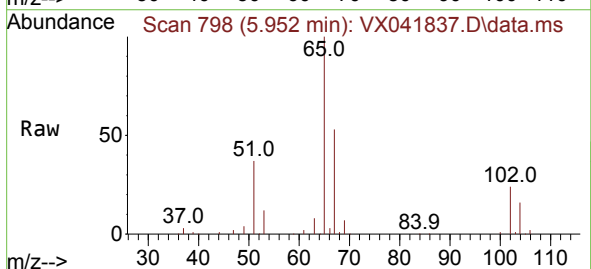


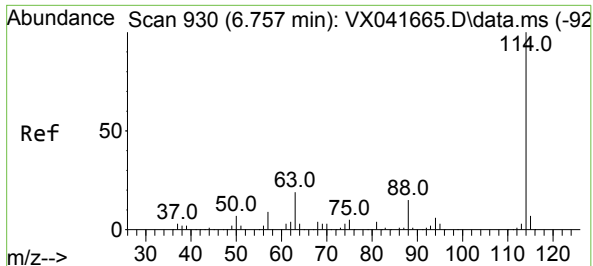
Tgt Ion: 56 Resp: 2429
Ion Ratio Lower Upper
56 100
69 229.5 23.4 35.2#
84 191.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.822 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 65 Resp: 91179
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

Instrument :

MSVOA_X

ClientSampleId :

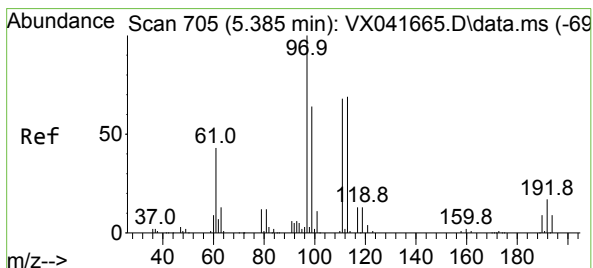
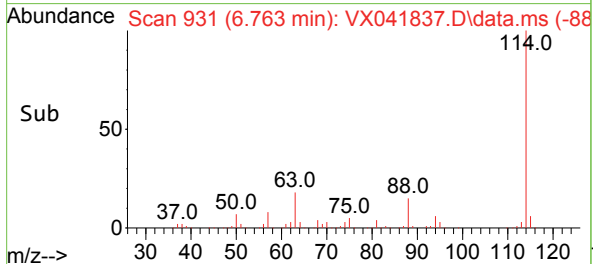
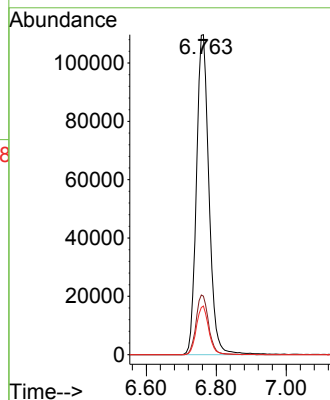
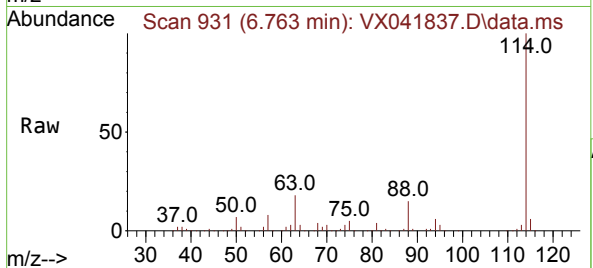
Tgt Ion:114 Resp: 272609

Ion Ratio Lower Upper

114 100

63 18.3 0.0 45.0

88 15.2 0.0 36.6



#35

Dibromofluoromethane

Concen: 44.184 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

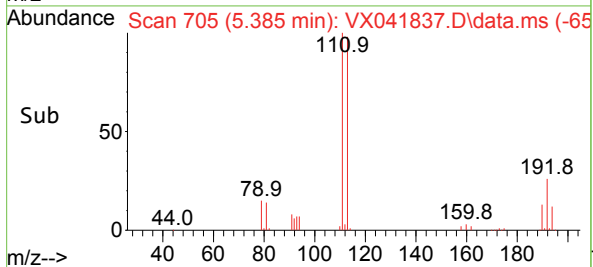
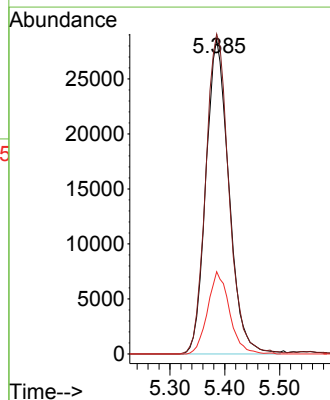
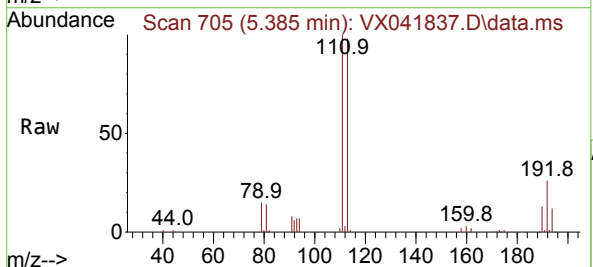
Tgt Ion:113 Resp: 83278

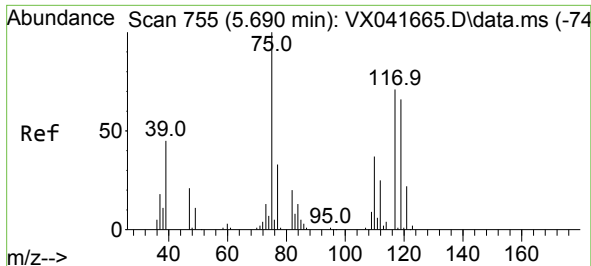
Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

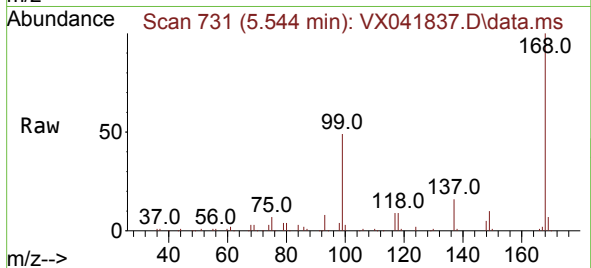
192 24.8 13.3 19.9#



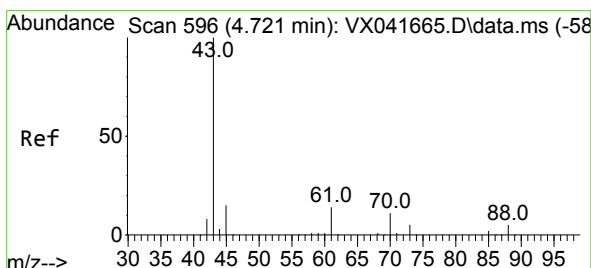
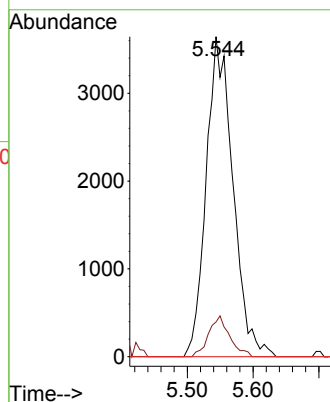
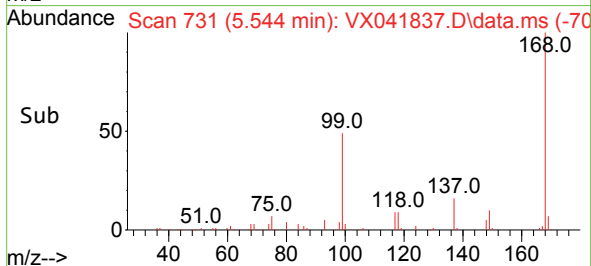


#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Instrument :
MSVOA_X
ClientSampleId :

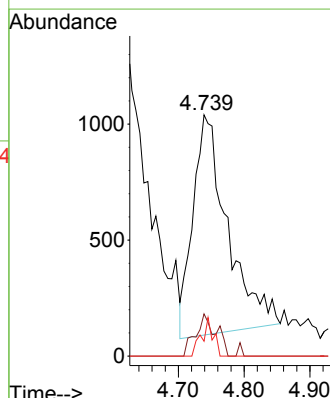
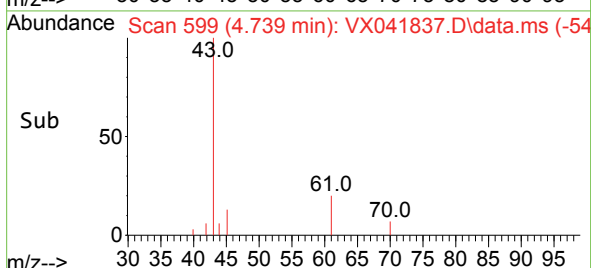
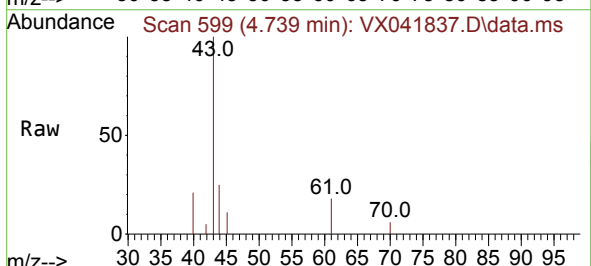


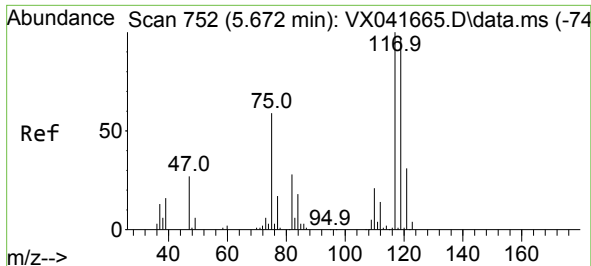
Tgt Ion: 75 Resp: 10302
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.200 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

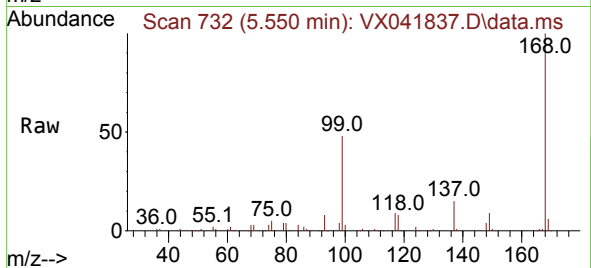
Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
61 11.4 10.6 16.0
70 5.8 8.3 12.5#



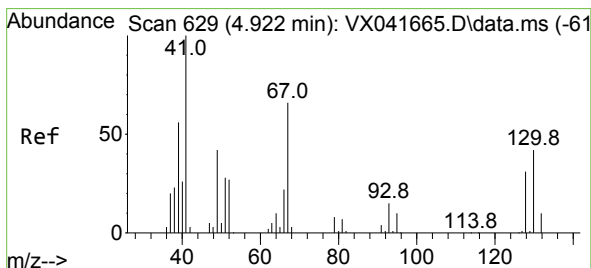
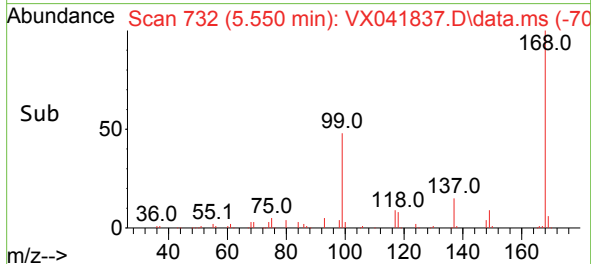
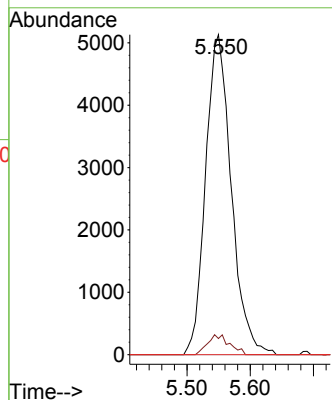


#38
Carbon Tetrachloride
Concen: 5.587 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Instrument :
MSVOA_X
ClientSampleId :

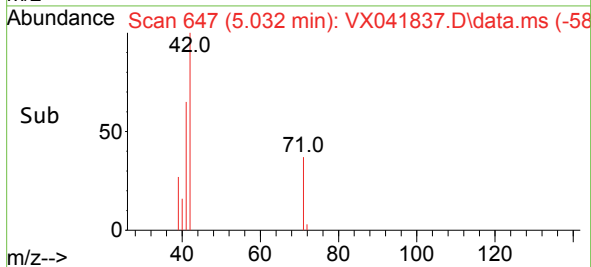
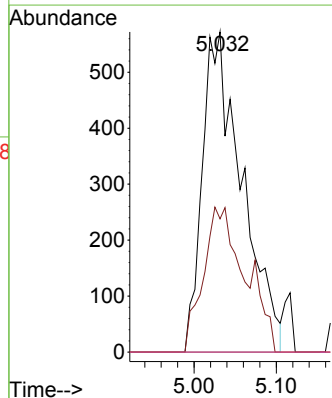
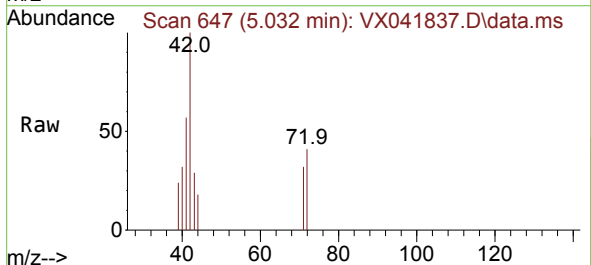


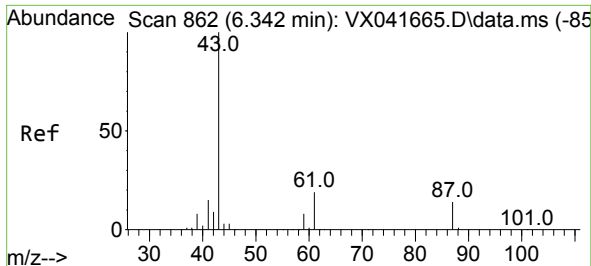
Tgt Ion:117 Resp: 14486
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.360 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 41 Resp: 1915
Ion Ratio Lower Upper
41 100
39 48.0 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

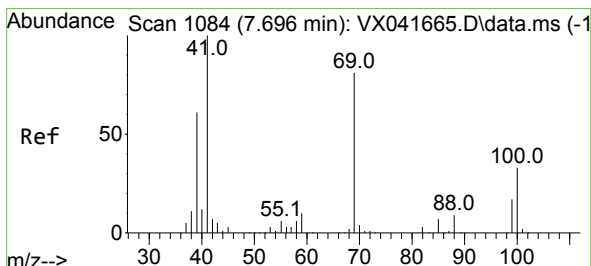
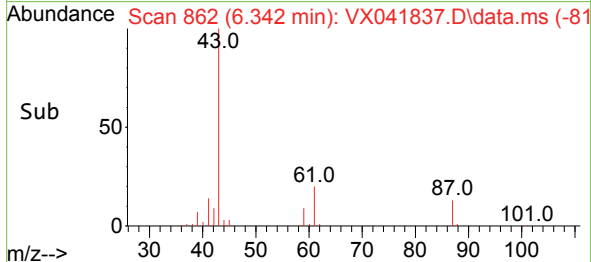
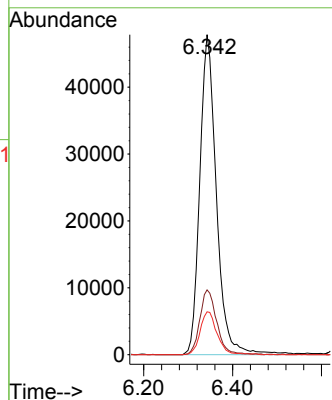
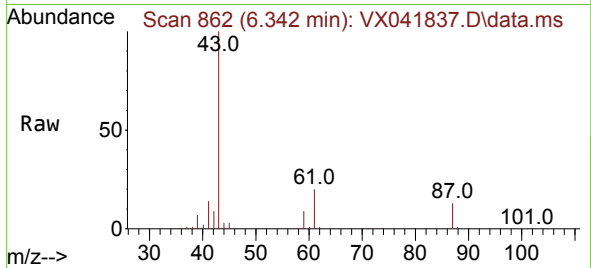




#43
Isopropyl Acetate
Concen: 28.570 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

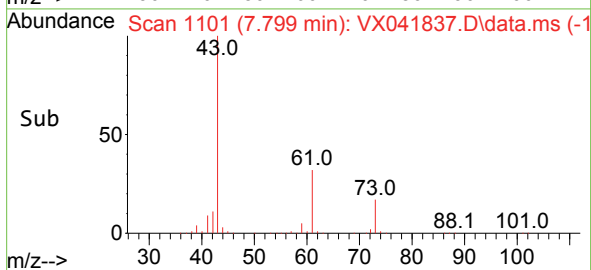
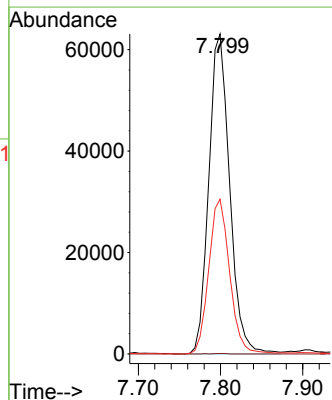
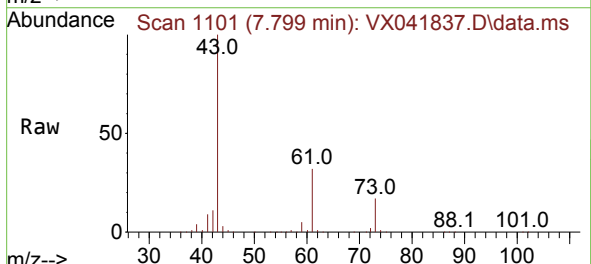
Instrument :
MSVOA_X
ClientSampleId :

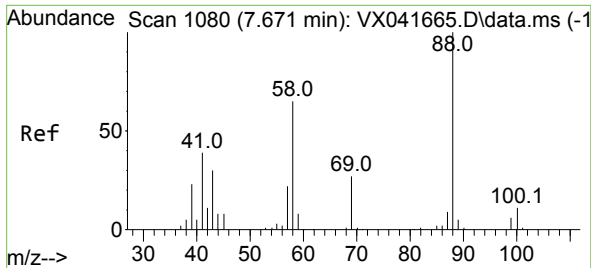
Tgt Ion: 43 Resp: 124236
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 53.240 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 41 Resp: 111180
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.6 47.7 71.5

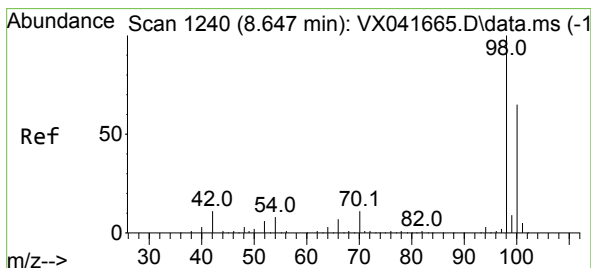
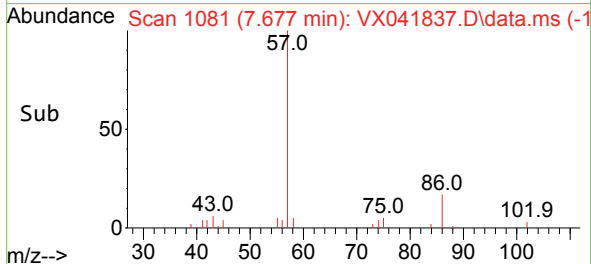
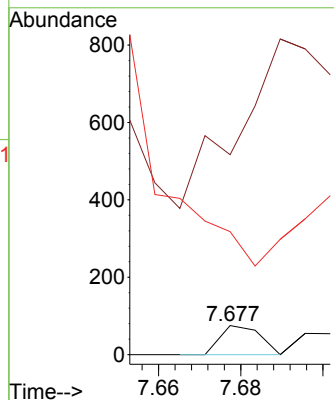
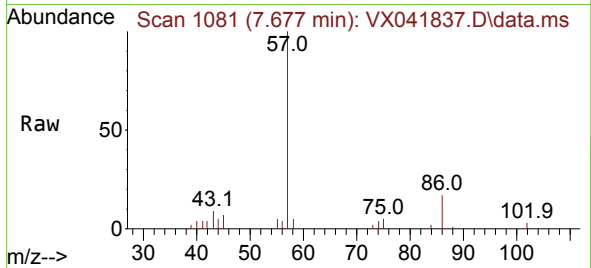




#49
1,4-Dioxane
Concen: 1.118 ug/l
RT: 7.677 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

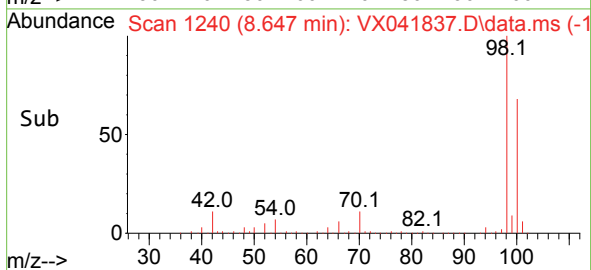
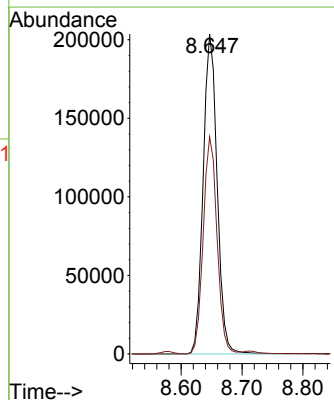
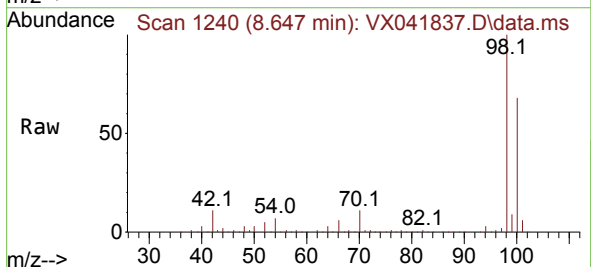
Instrument :
MSVOA_X
ClientSampleId :

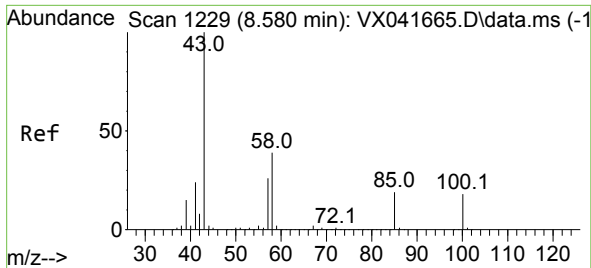
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.441 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 98 Resp: 325605
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

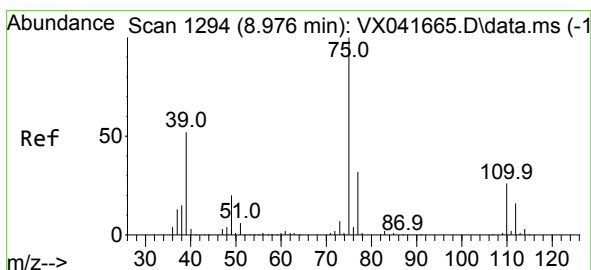
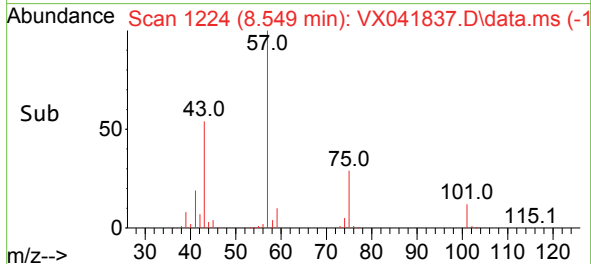
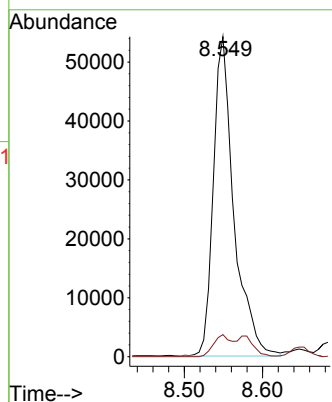
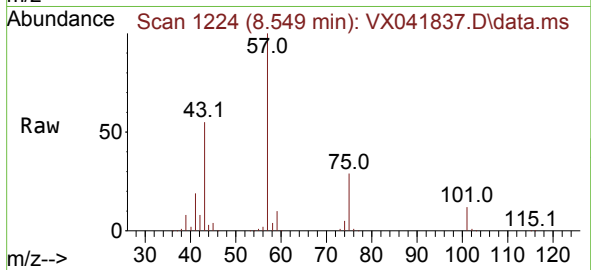




#51
4-Methyl-2-Pentanone
Concen: 35.036 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

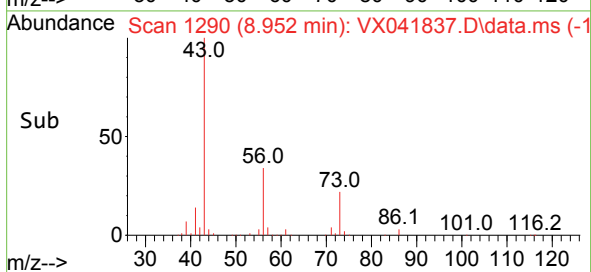
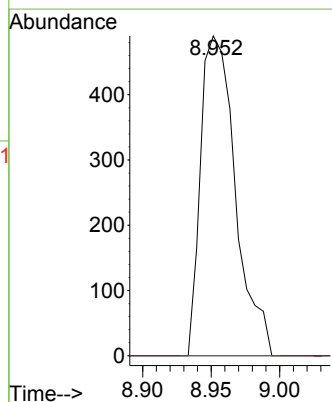
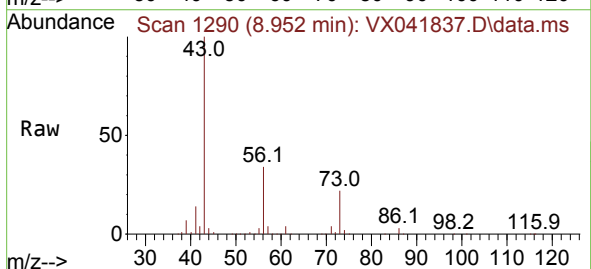
Instrument :
MSVOA_X
ClientSampleId :

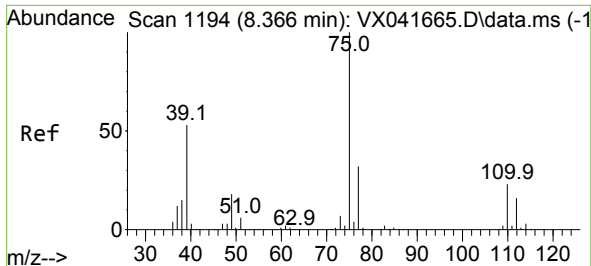
Tgt Ion: 43 Resp: 98796
Ion Ratio Lower Upper
43 100
58 5.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.367 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 75 Resp: 869
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

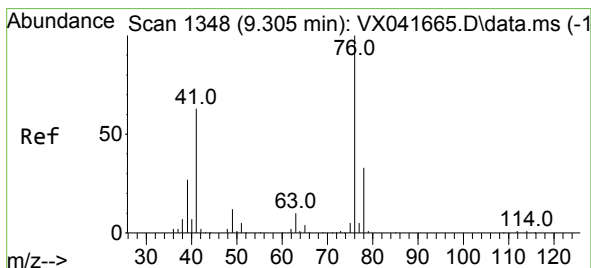
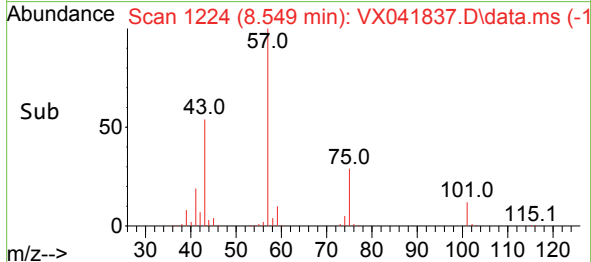
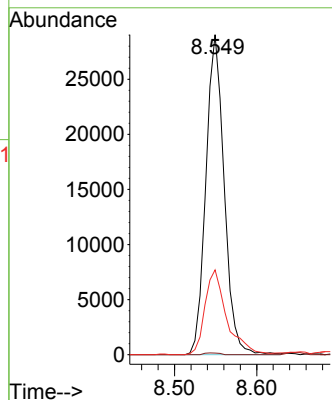
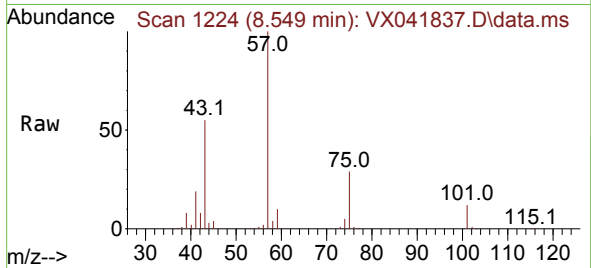




#54
 cis-1,3-Dichloropropene
 Concen: 17.130 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

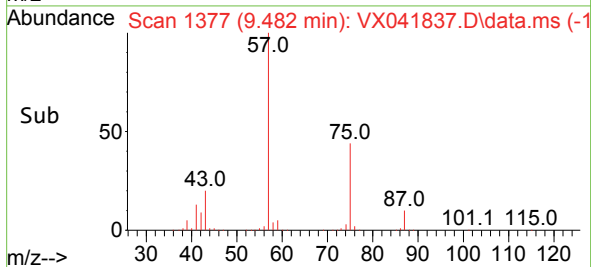
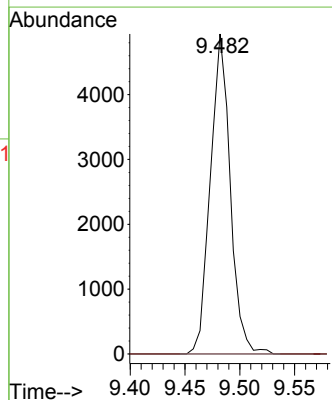
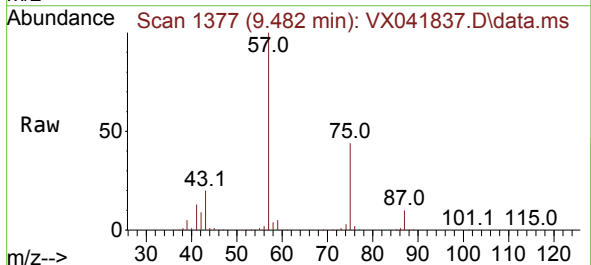
Instrument :
 MSVOA_X
 ClientSampleId :

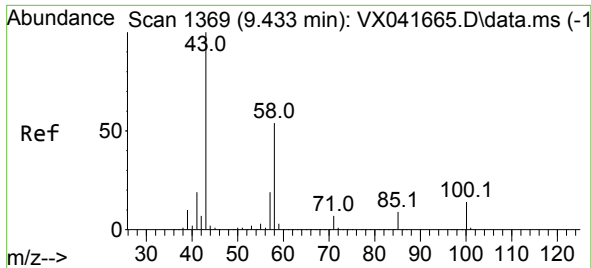
Tgt Ion: 75 Resp: 44930
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 26.5 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.058 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041837.D
 Acq: 12 Jun 2024 13:15

Tgt Ion: 76 Resp: 6235
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

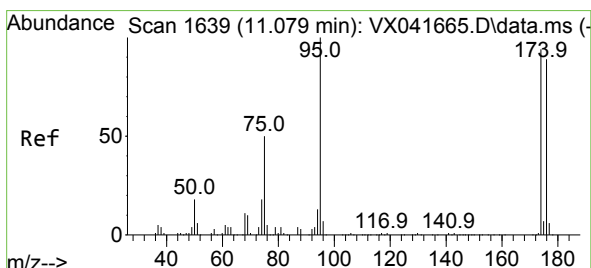
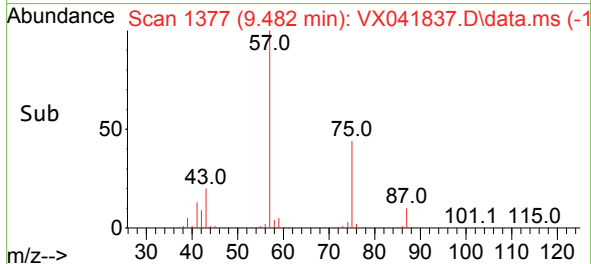
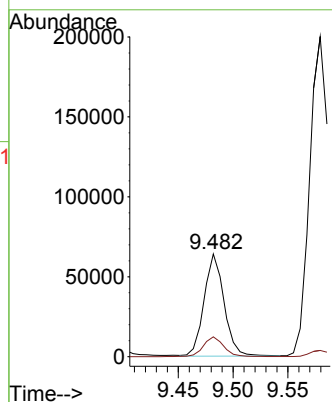
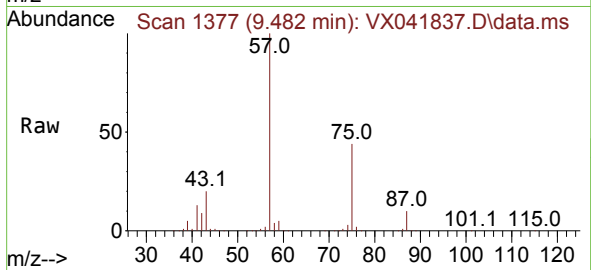




#59
2-Hexanone
Concen: 37.776 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

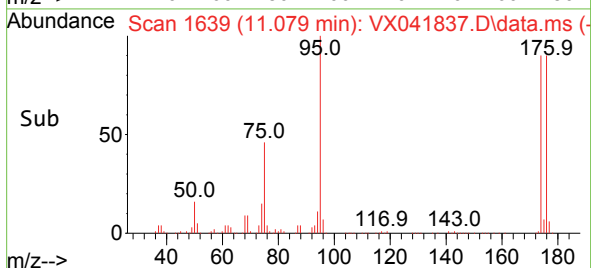
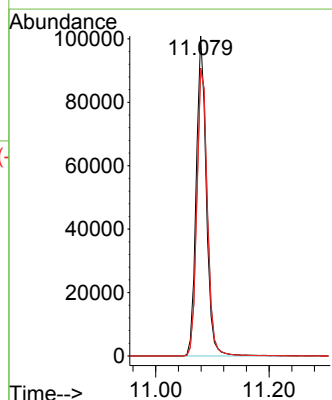
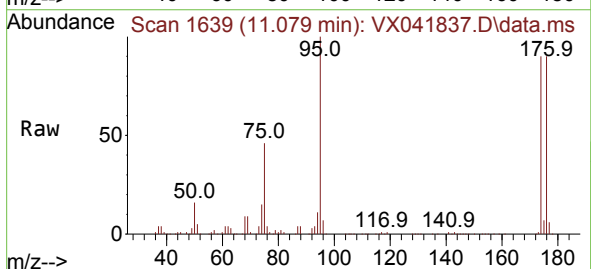
Instrument :
MSVOA_X
ClientSampleId :

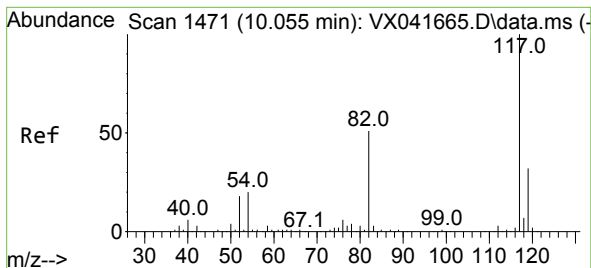
Tgt Ion: 43 Resp: 81211
Ion Ratio Lower Upper
43 100
58 20.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.125 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Tgt Ion: 95 Resp: 124269
Ion Ratio Lower Upper
95 100
174 95.3 0.0 135.6
176 92.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

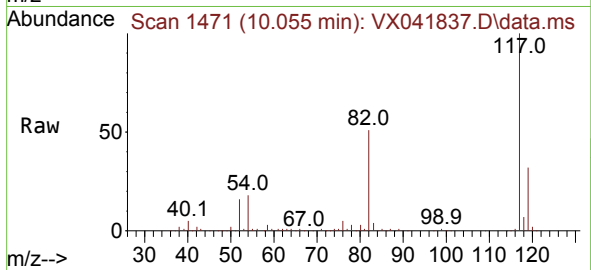
Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

Instrument :

MSVOA_X

ClientSampleId :



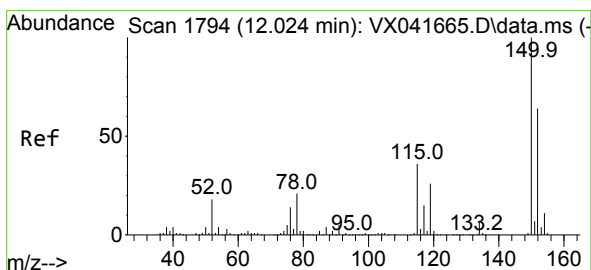
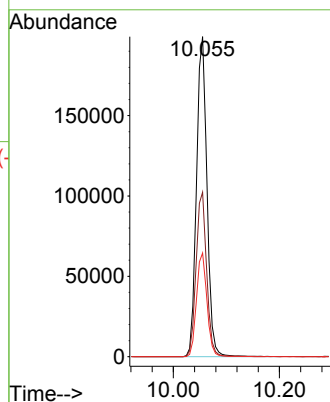
Tgt Ion:117 Resp: 272353

Ion	Ratio	Lower	Upper
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117	100		
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82	51.4	46.2	69.4
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119	32.4	25.5	38.3
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

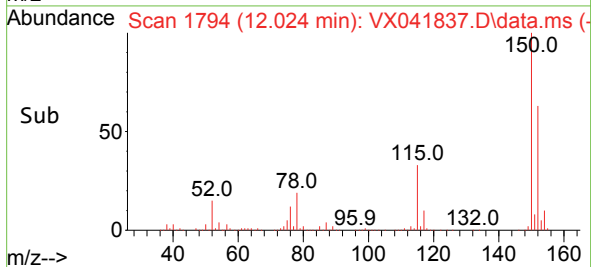
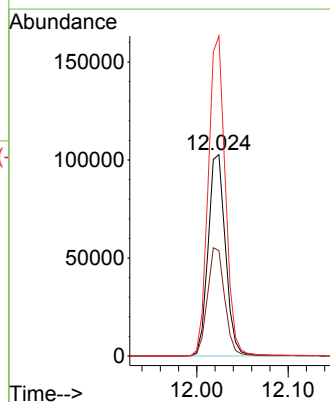
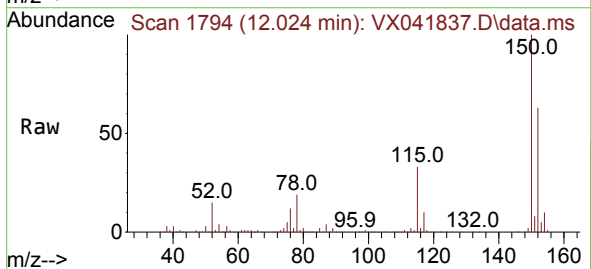
Tgt Ion:152 Resp: 135108

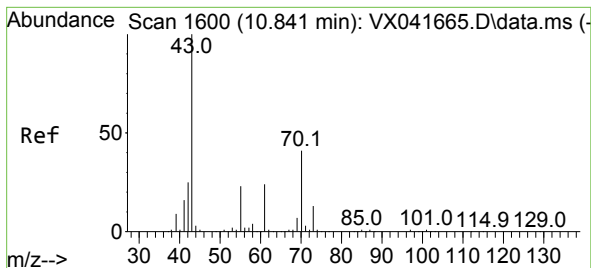
Ion	Ratio	Lower	Upper
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152	100		
-----	-----	--	--

115	53.7	43.3	129.9
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150	157.2	0.0	345.0
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#74

N-amy1 acetate

Concen: 0.228 ug/l

RT: 10.811 min Scan# 1

Delta R.T. -0.030 min

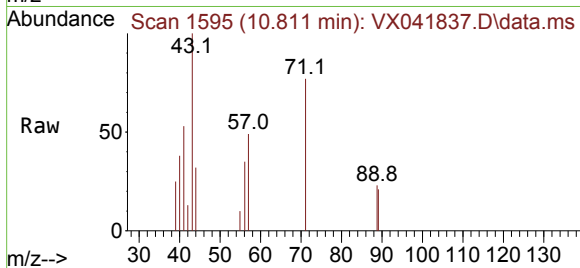
Lab File: VX041837.D

Acq: 12 Jun 2024 13:15

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 846

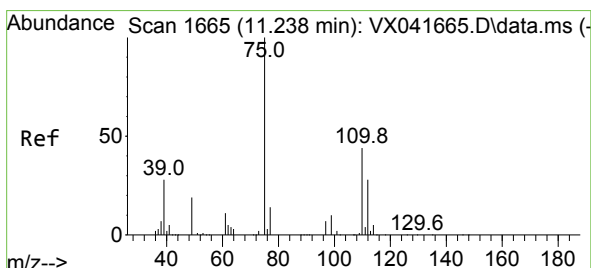
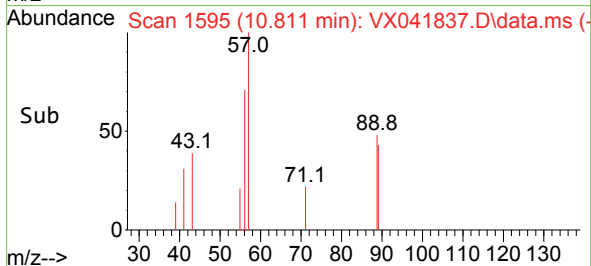
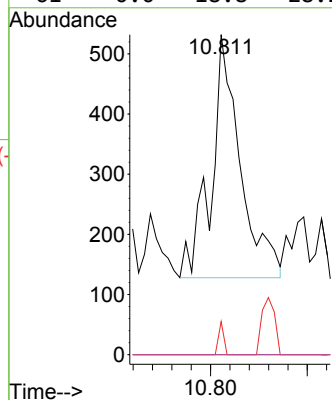
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.245 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041837.D

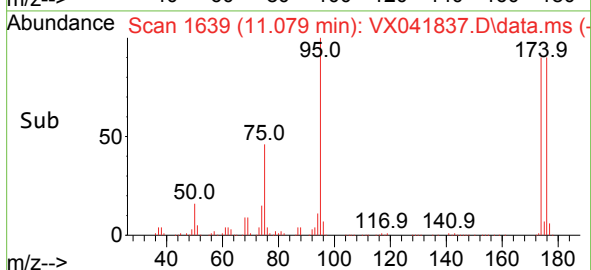
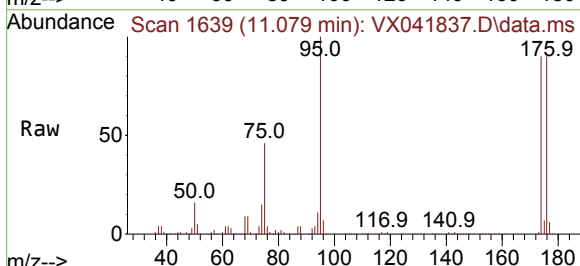
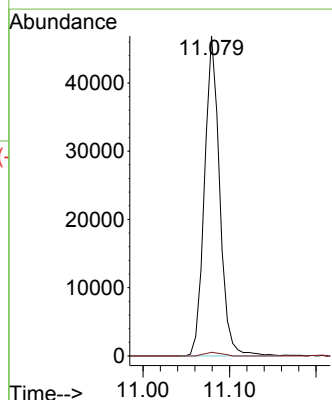
Acq: 12 Jun 2024 13:15

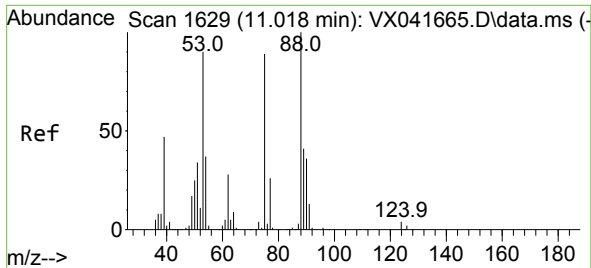
Tgt Ion: 75 Resp: 57153

Ion Ratio Lower Upper

75 100

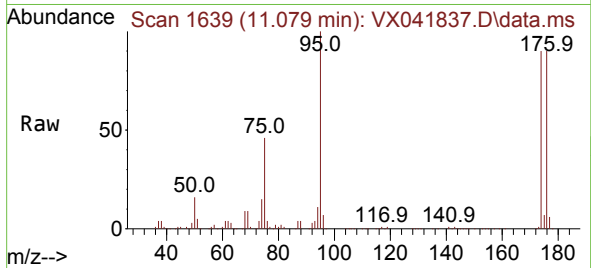
77 1.3 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.078 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX041837.D
Acq: 12 Jun 2024 13:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 57153
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

