

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041858.D
 Acq On : 13 Jun 2024 16:51
 Operator : JC/MD
 Sample : PB161467ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:49:50 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)

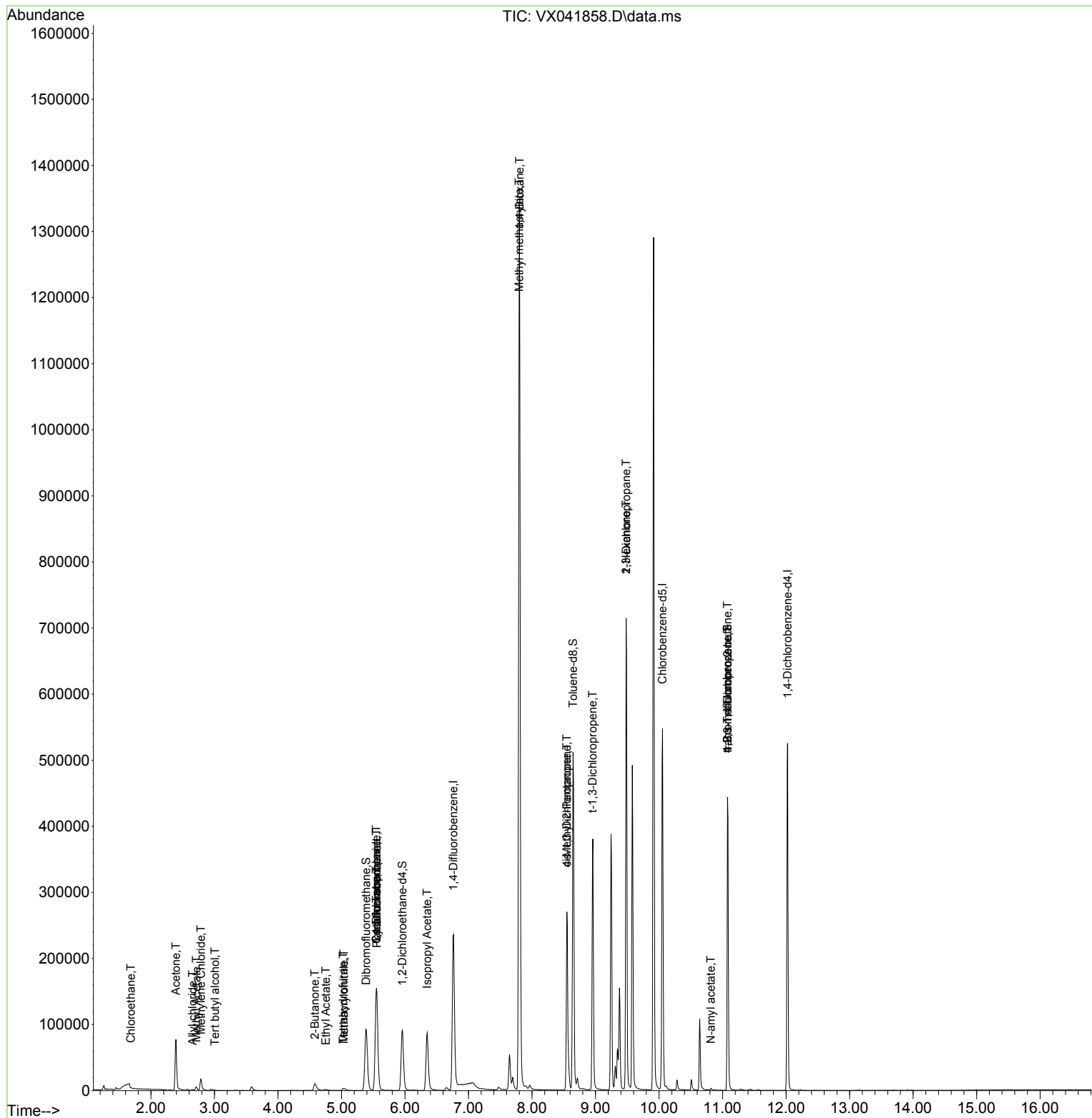
Internal Standards						
1) Pentafluorobenzene	5.556	168	172707	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	266878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88773	41.910	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.820%		
35) Dibromofluoromethane	5.385	113	83111	45.042	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.080%		
50) Toluene-d8	8.647	98	315839	48.988	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.079	95	116201	48.833	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.660%		
Target Compounds						
						Qvalue
6) Chloroethane	1.685	64	223	0.216	ug/l	# 43
11) Tert butyl alcohol	3.008	59	683	1.823	ug/l	# 78
14) Allyl chloride	2.654	41	1551	0.612	ug/l	# 31
16) Acetone	2.392	43	88725	93.624	ug/l	# 87
18) Methyl Acetate	2.715	43	7145	3.533	ug/l	# 96
20) Methylene Chloride	2.788	84	9581	5.054	ug/l	# 89
25) 2-Butanone	4.580	43	21669	16.460	ug/l	# 96
29) Tetrahydrofuran	5.025	42	3552	4.278	ug/l	# 97
31) Cyclohexane	5.550	56	2233	0.893	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9885	4.424	ug/l	# 50
37) Ethyl Acetate	4.751	43	3320	1.177	ug/l	# 89
38) Carbon Tetrachloride	5.550	117	14441	5.689	ug/l	# 16
41) Methacrylonitrile	5.038	41	1631	1.183	ug/l	# 52
43) Isopropyl Acetate	6.348	43	120641	28.339	ug/l	# 95
48) Methyl methacrylate	7.799	41	108983	53.309	ug/l	# 45
49) 1,4-Dioxane	7.805	88	203	4.545	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	99632	36.092	ug/l	# 46
53) t-1,3-Dichloropropene	8.952	75	873	0.376	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	46242	18.008	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6625	2.234	ug/l	# 43
59) 2-Hexanone	9.482	43	82628	39.260	ug/l	# 55
74) N-amyl acetate	10.817	43	922	0.263	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	52539	23.591	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	52539	64.297	ug/l	# 5

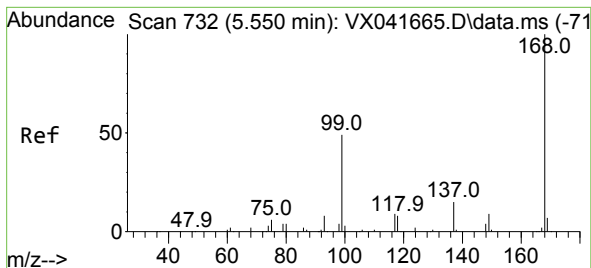
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

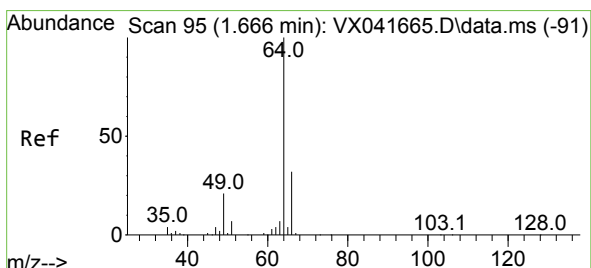
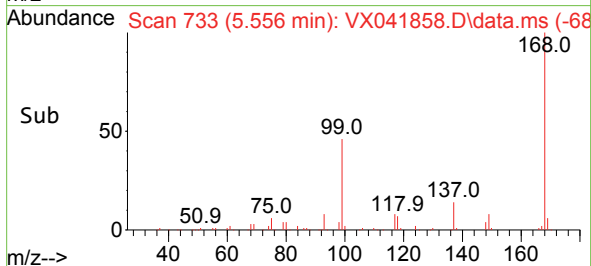
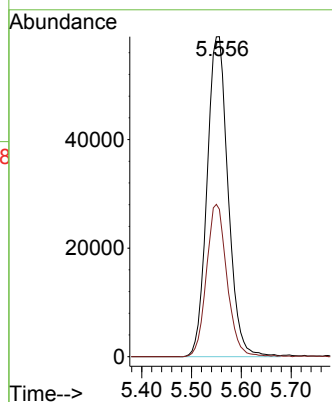
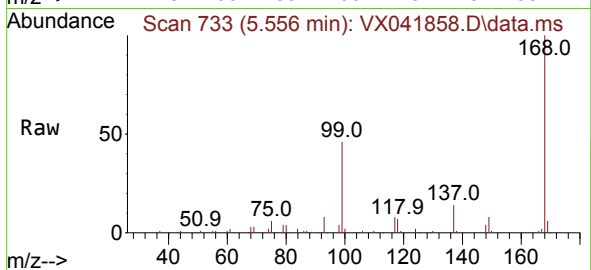
ClientSampleId :

Tgt Ion:168 Resp: 172707

Ion Ratio Lower Upper

168 100

99 46.0 56.6 85.0#



#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.018 min

Lab File: VX041858.D

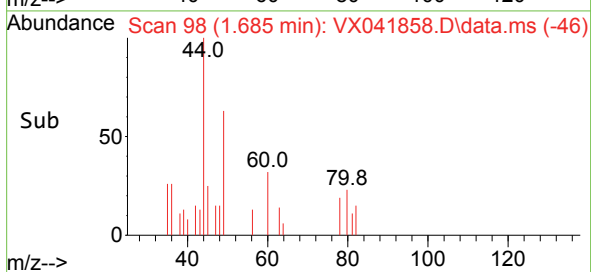
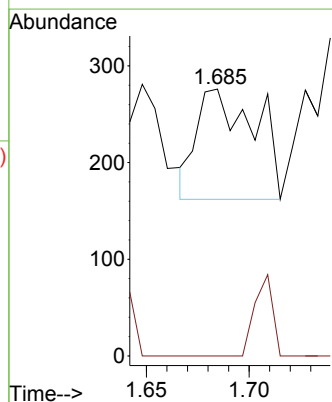
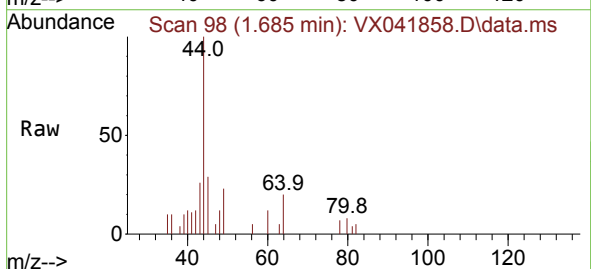
Acq: 13 Jun 2024 16:51

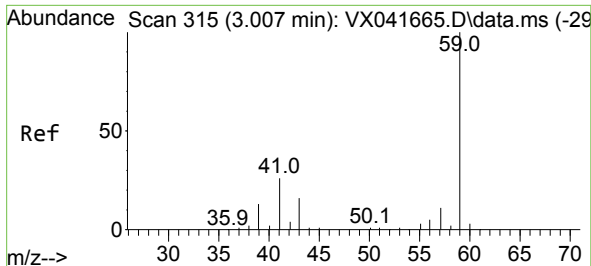
Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.823 ug/l

RT: 3.008 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

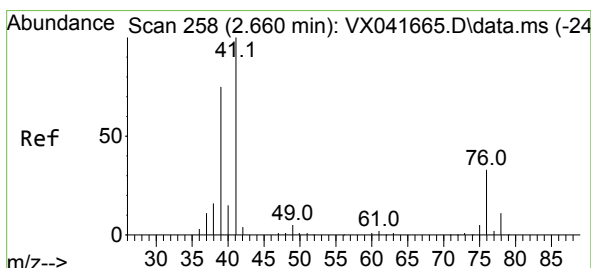
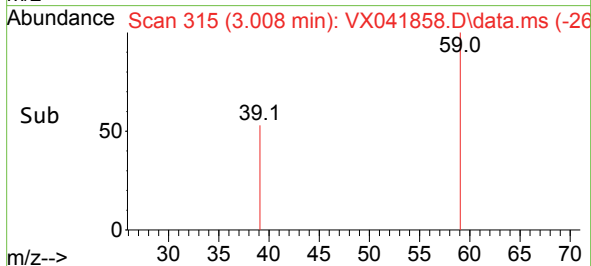
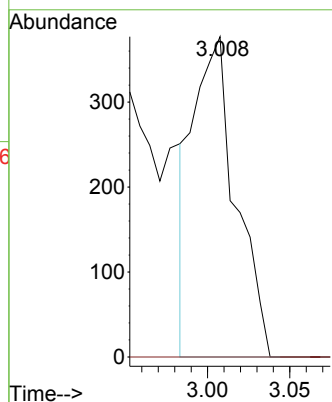
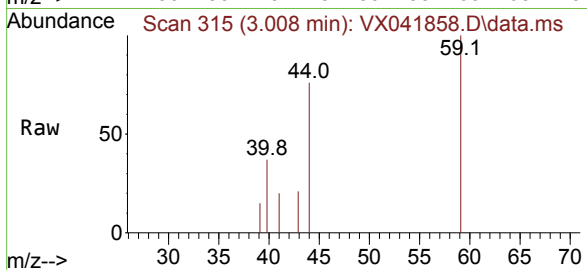
ClientSampleId :

Tgt Ion: 59 Resp: 683

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.612 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

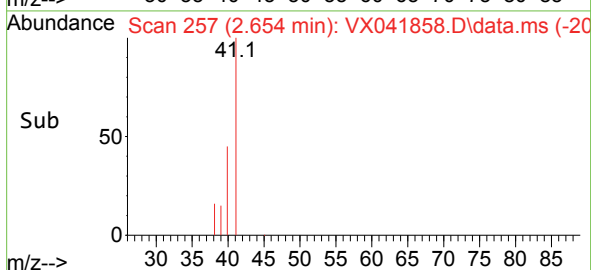
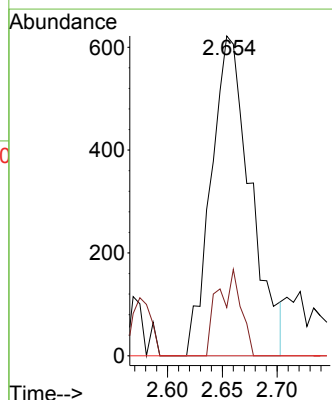
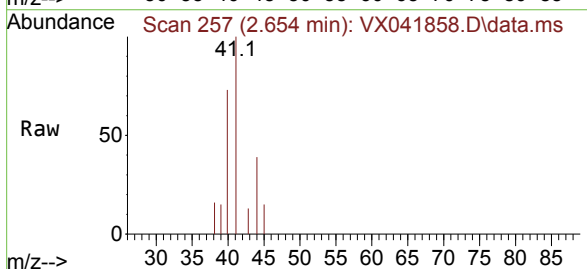
Tgt Ion: 41 Resp: 1551

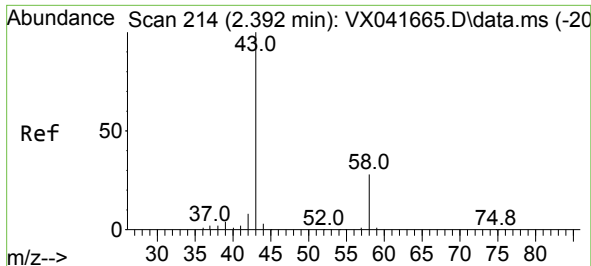
Ion Ratio Lower Upper

41 100

39 8.1 55.8 83.6#

76 0.0 24.3 36.5#

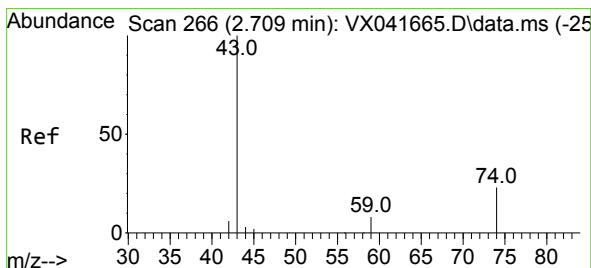
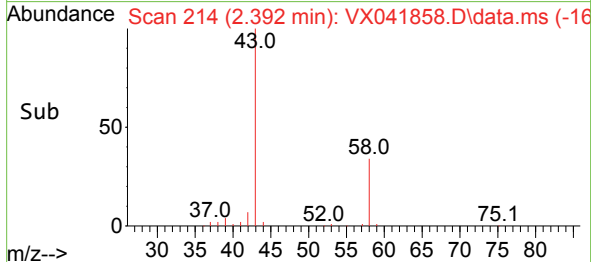
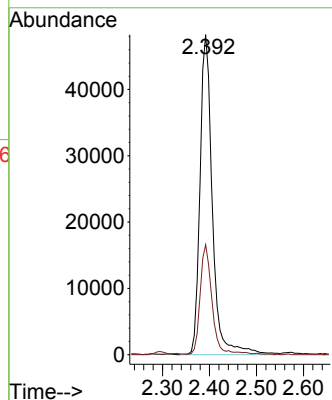
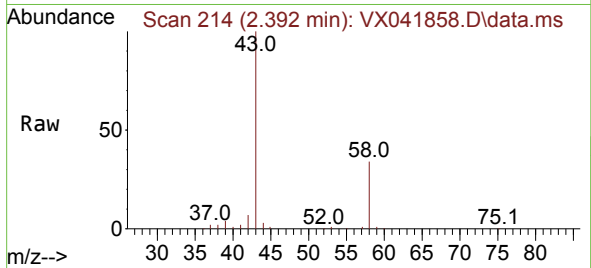




#16
Acetone
Concen: 93.624 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

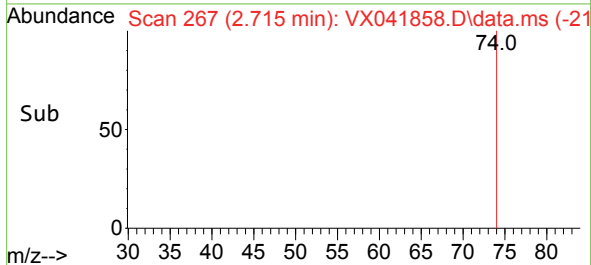
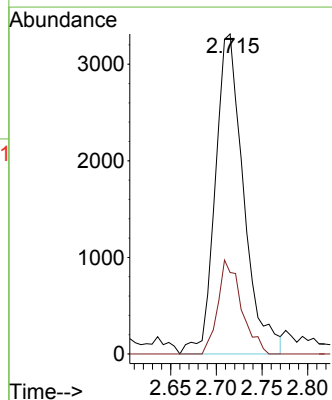
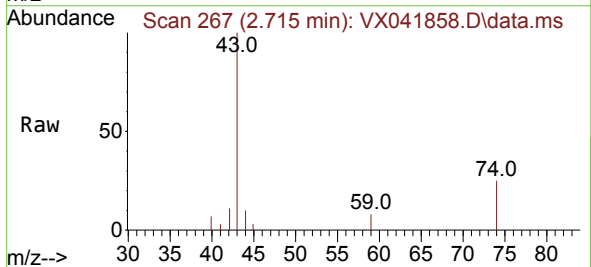
Instrument :
MSVOA_X
ClientSampleId :

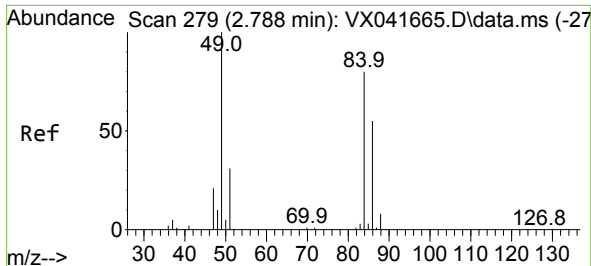
Tgt Ion: 43 Resp: 88725
Ion Ratio Lower Upper
43 100
58 34.3 21.9 32.9#



#18
Methyl Acetate
Concen: 3.533 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

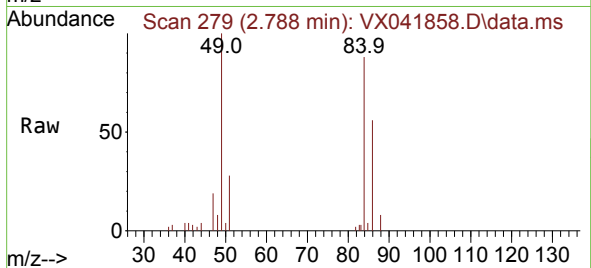
Tgt Ion: 43 Resp: 7145
Ion Ratio Lower Upper
43 100
74 24.4 17.8 26.8



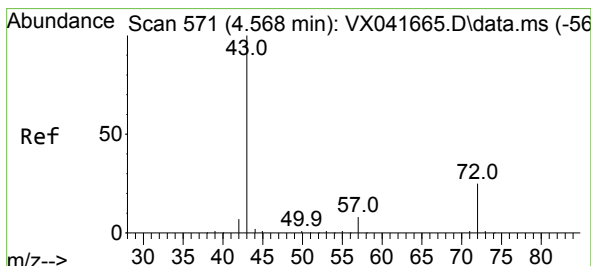
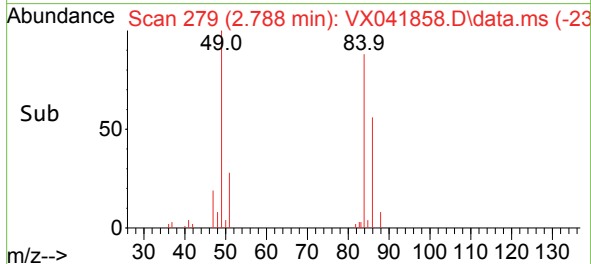
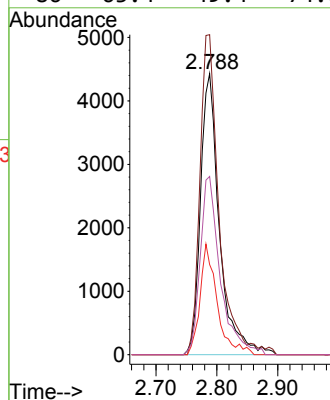


#20
Methylene Chloride
Concen: 5.054 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :

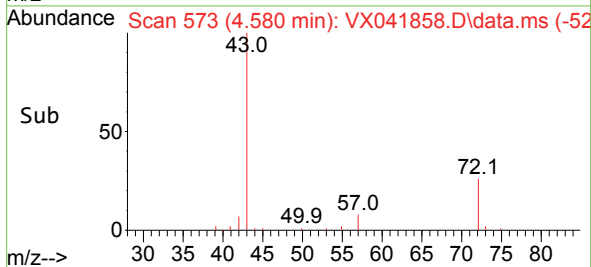
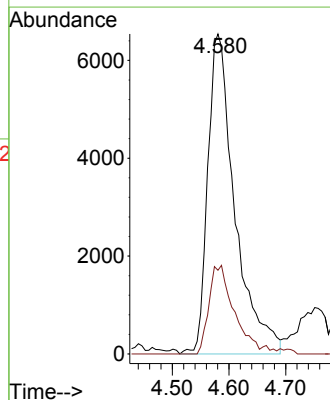
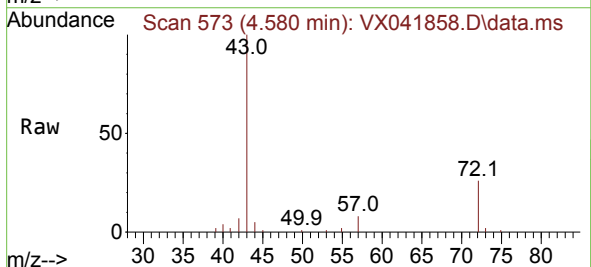


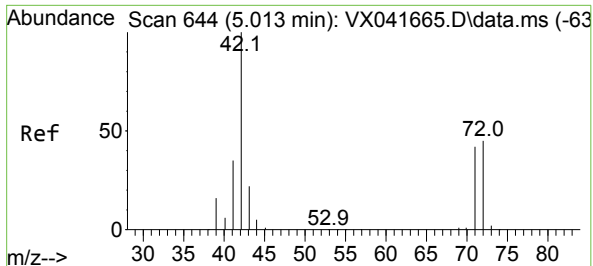
Tgt Ion:	84	Resp:	9581
Ion	Ratio	Lower	Upper
84	100		
49	113.9	103.6	155.4
51	32.1	33.8	50.6#
86	63.4	49.4	74.0



#25
2-Butanone
Concen: 16.460 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Tgt Ion:	43	Resp:	21669
Ion	Ratio	Lower	Upper
43	100		
72	26.2	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.278 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

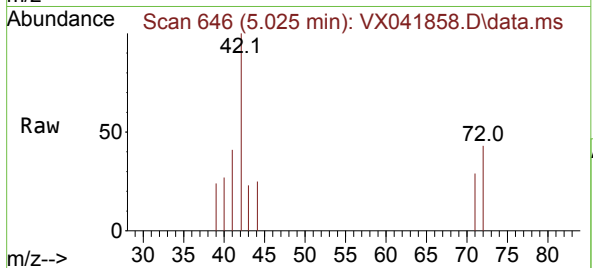
Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

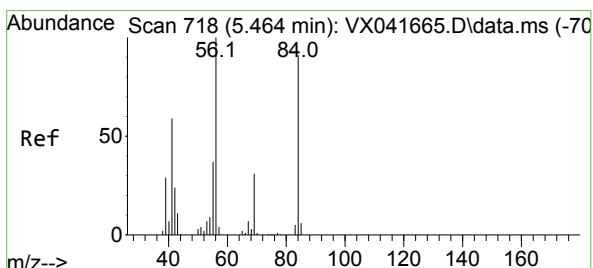
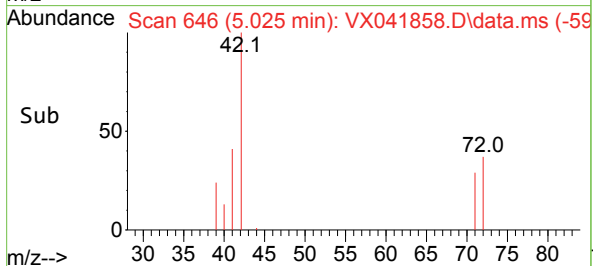
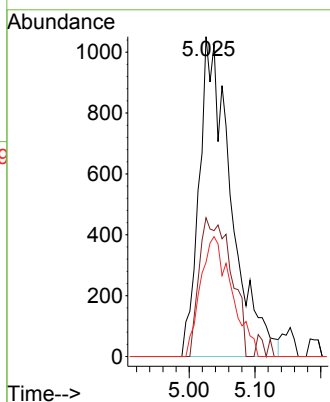
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	3552
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.4
71	36.7	32.2	48.2



#31

Cyclohexane

Concen: 0.893 ug/l

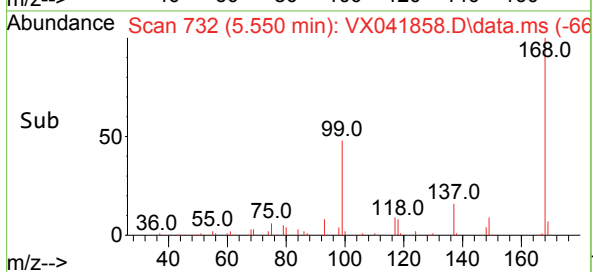
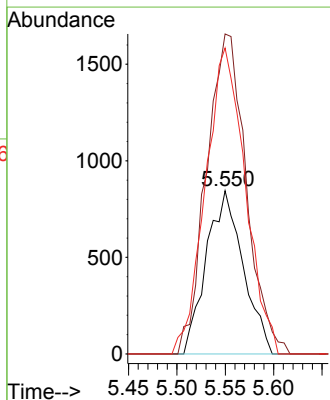
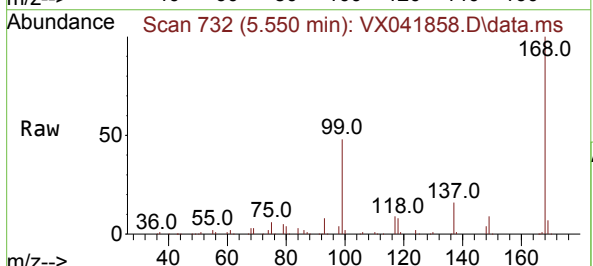
RT: 5.550 min Scan# 732

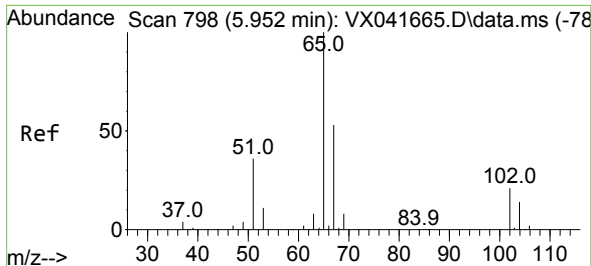
Delta R.T. 0.085 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Tgt Ion:	56	Resp:	2233
Ion	Ratio	Lower	Upper
56	100		
69	196.1	23.4	35.2#
84	187.5	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.910 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

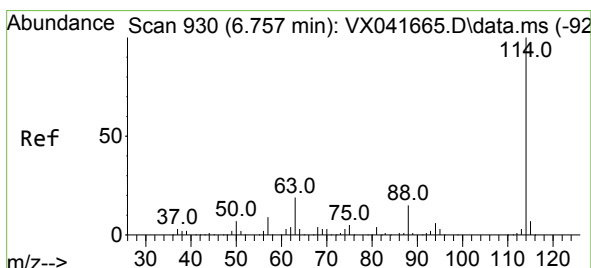
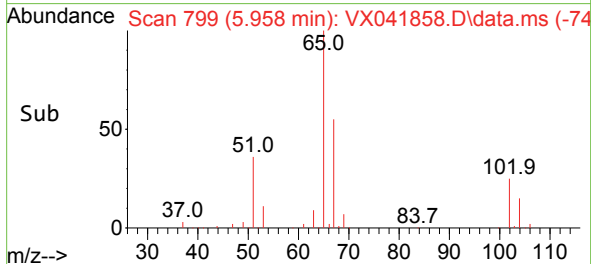
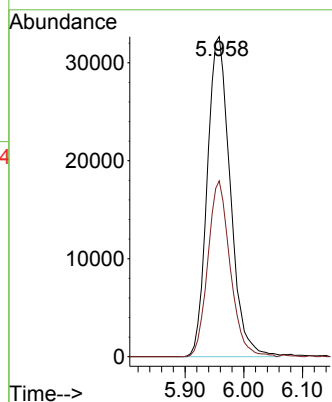
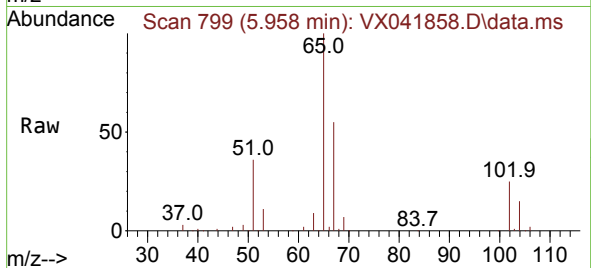
ClientSampleId :

Tgt Ion: 65 Resp: 88773

Ion Ratio Lower Upper

65 100

67 53.3 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: VX041858.D

Acq: 13 Jun 2024 16:51

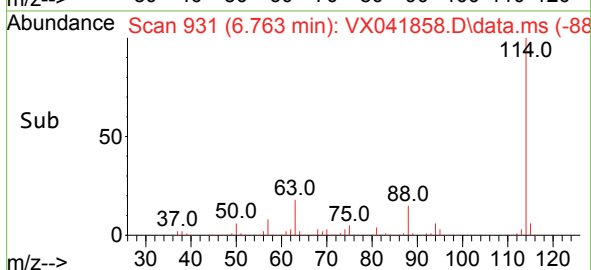
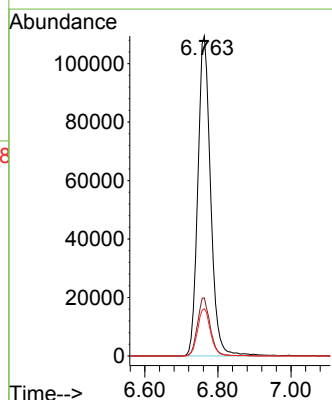
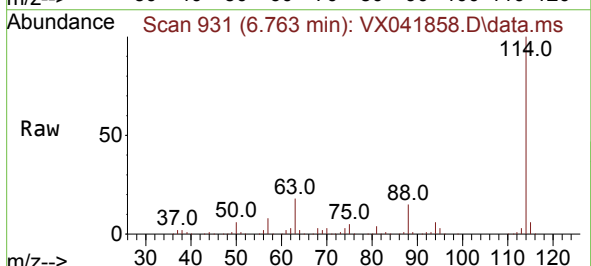
Tgt Ion: 114 Resp: 266878

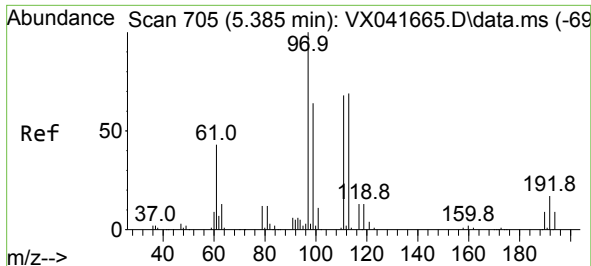
Ion Ratio Lower Upper

114 100

63 18.2 0.0 45.0

88 14.7 0.0 36.6

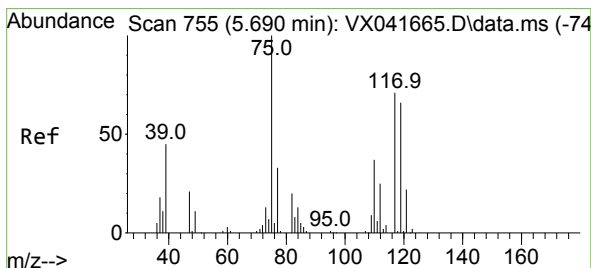
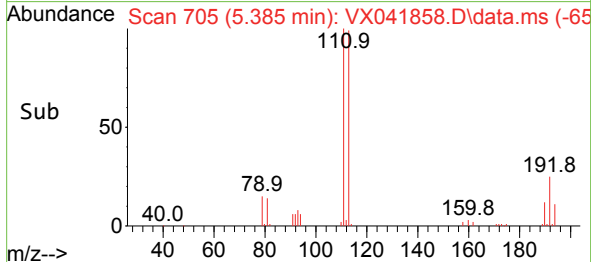
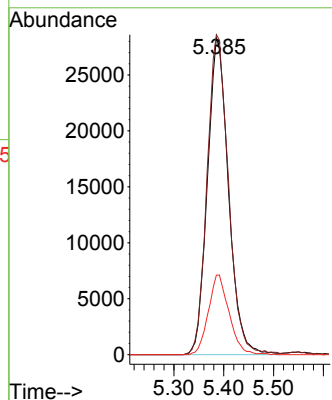
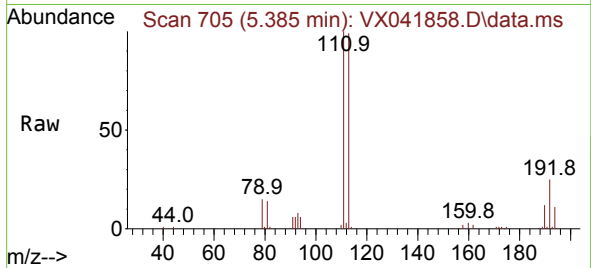




#35
Dibromofluoromethane
Concen: 45.042 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

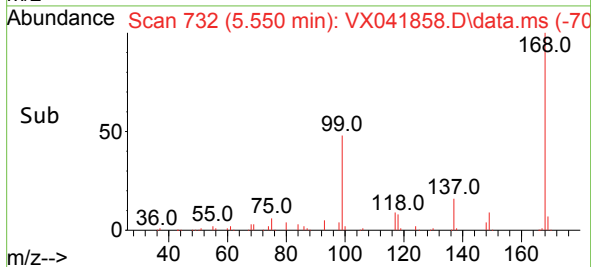
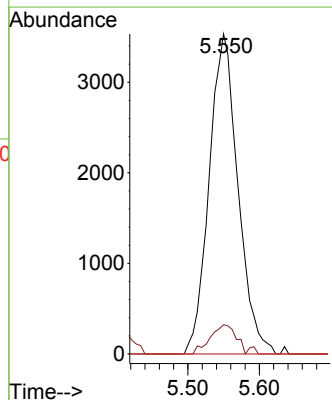
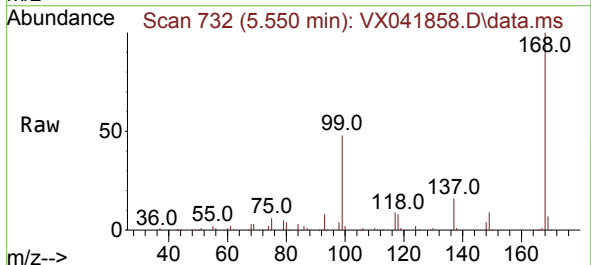
Instrument :
MSVOA_X
ClientSampleId :

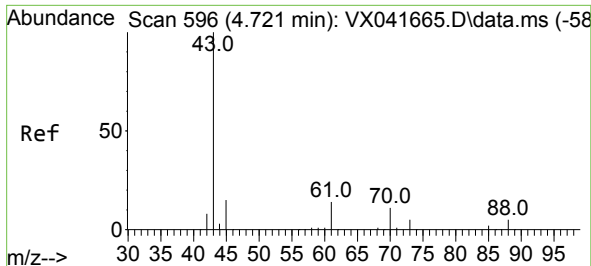
Tgt Ion:113 Resp: 83111
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 24.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Tgt Ion: 75 Resp: 9885
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.177 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

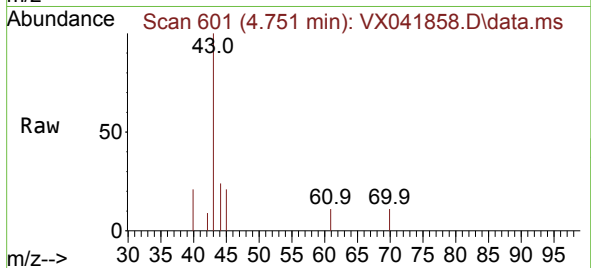
Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

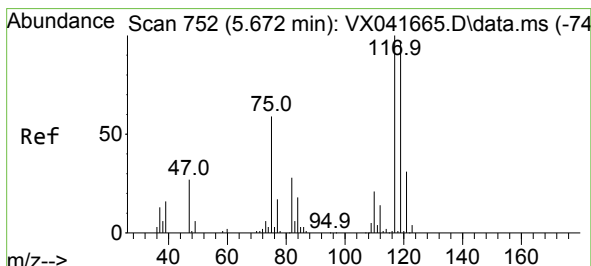
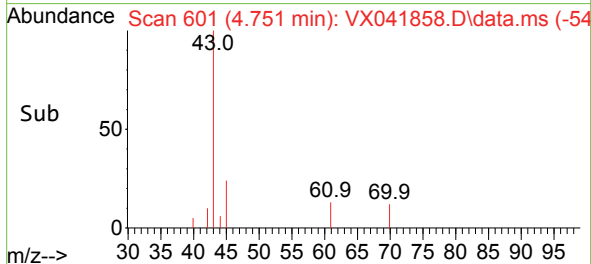
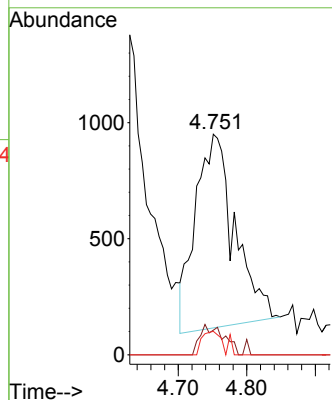
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3320
Ion	Ratio	Lower	Upper
43	100		
61	9.4	10.6	16.0#
70	5.7	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

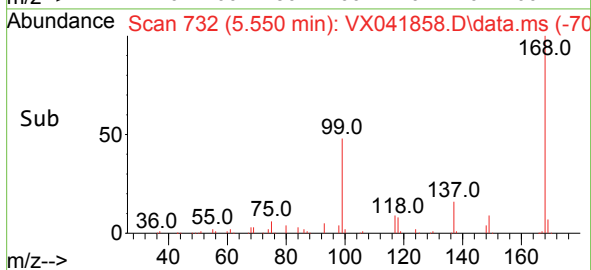
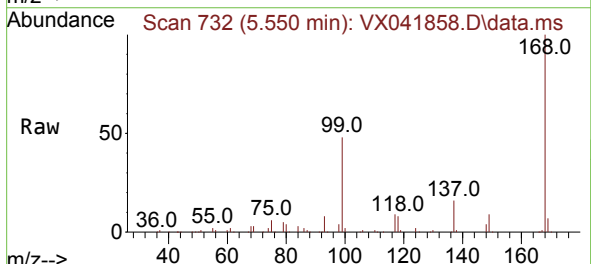
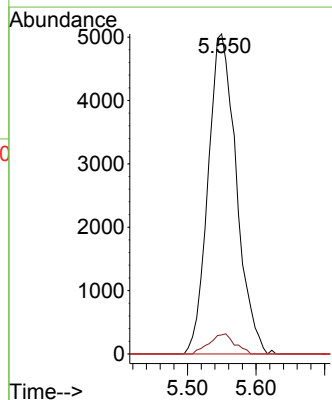
RT: 5.550 min Scan# 732

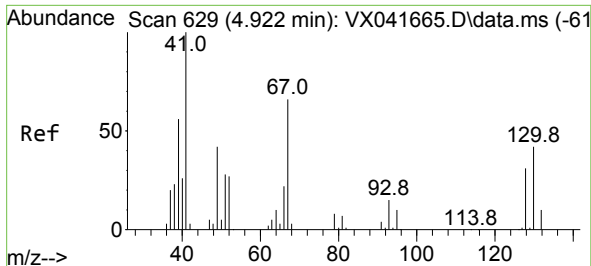
Delta R.T. -0.122 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

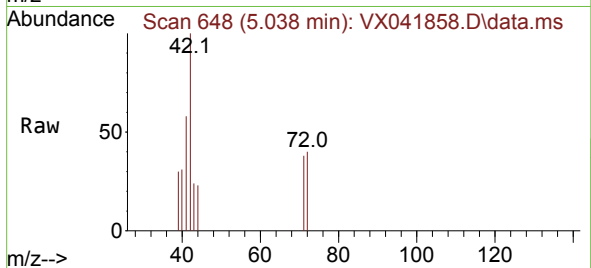
Tgt Ion:	117	Resp:	14441
Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.2	117.2#
121	0.0	24.4	36.6#



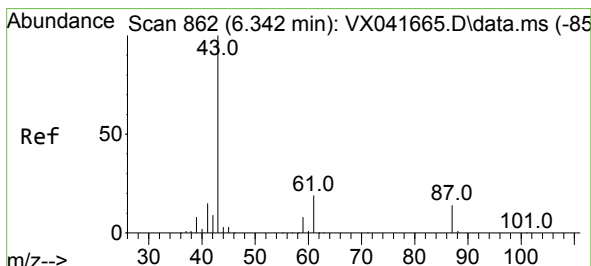
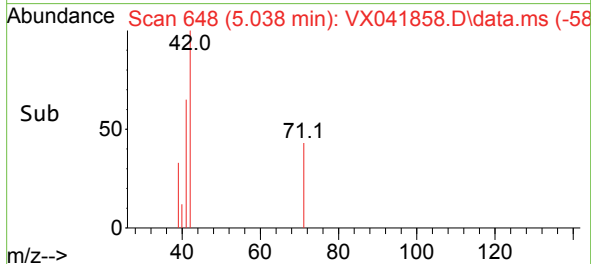
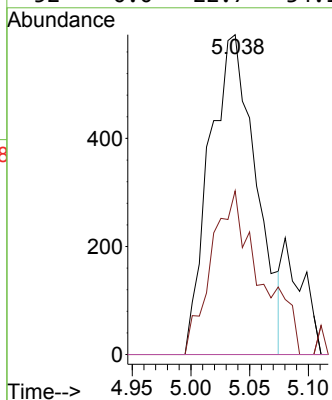


#41
Methacrylonitrile
Concen: 1.183 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.116 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Instrument :
MSVOA_X
ClientSampleId :

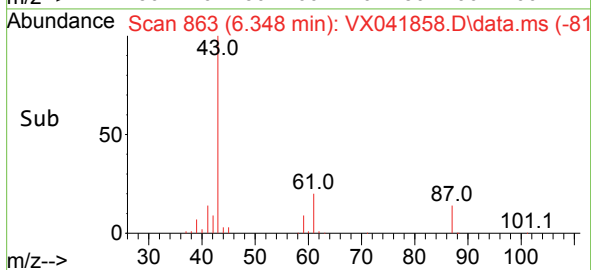
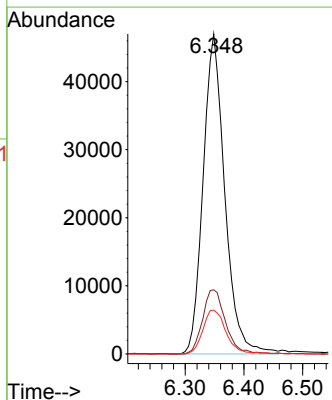
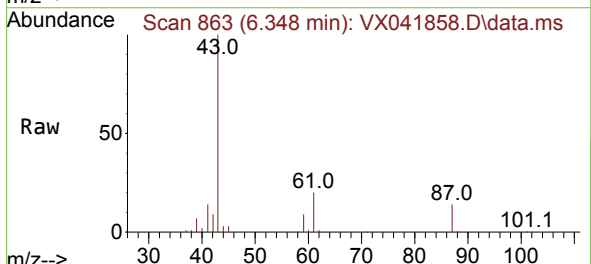


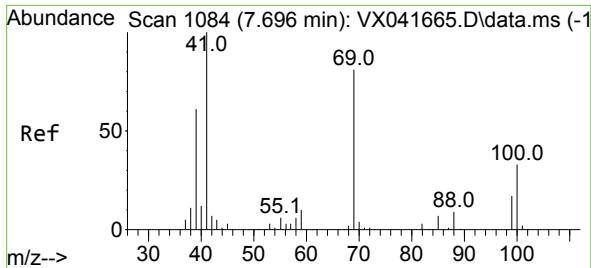
Tgt Ion:	41	Resp:	1631
Ion	Ratio	Lower	Upper
41	100		
39	53.6	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 28.339 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Tgt Ion:	43	Resp:	120641
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.2	22.8
87	14.7	9.8	14.6#

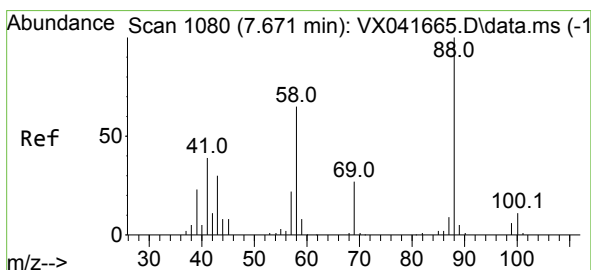
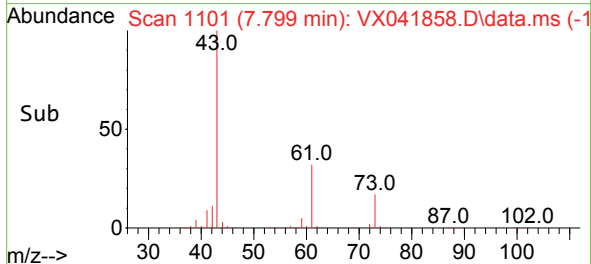
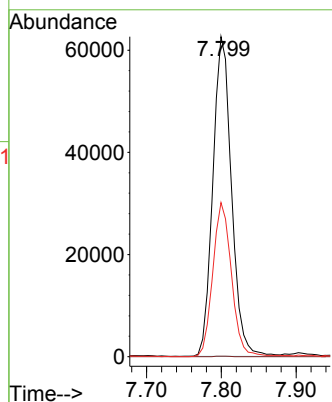
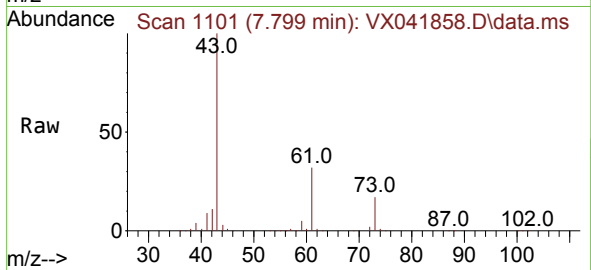




#48
Methyl methacrylate
Concen: 53.309 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

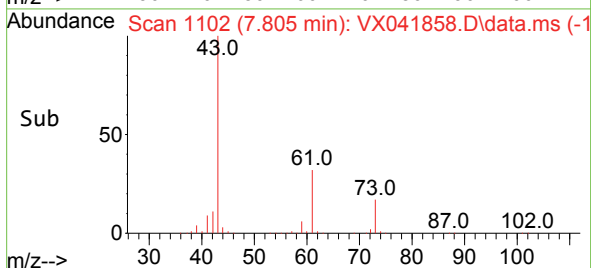
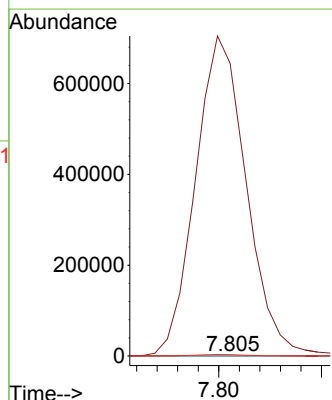
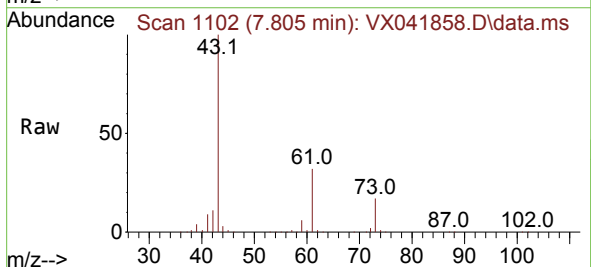
Instrument :
MSVOA_X
ClientSampleId :

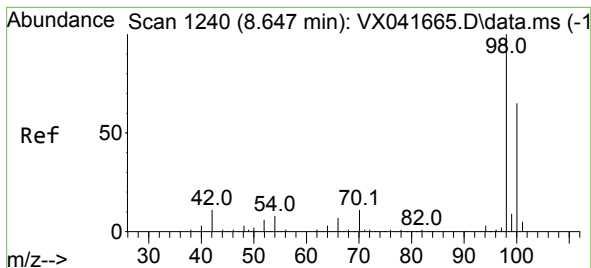
Tgt Ion: 41 Resp: 108983
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.1 47.7 71.5



#49
1,4-Dioxane
Concen: 4.545 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 602822.7 0.0 0.0#
58 2752.7 60.1 90.1#





#50

Toluene-d8

Concen: 48.988 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

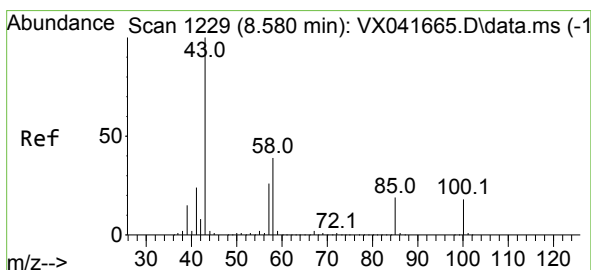
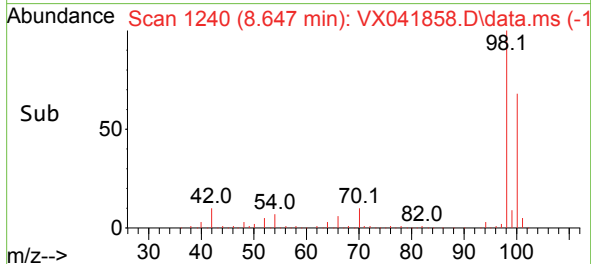
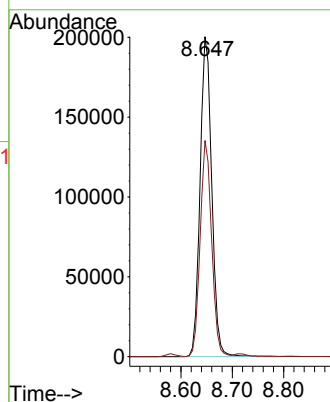
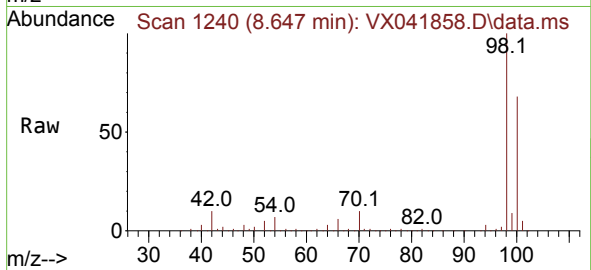
ClientSampleId :

Tgt Ion: 98 Resp: 315839

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 36.092 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX041858.D

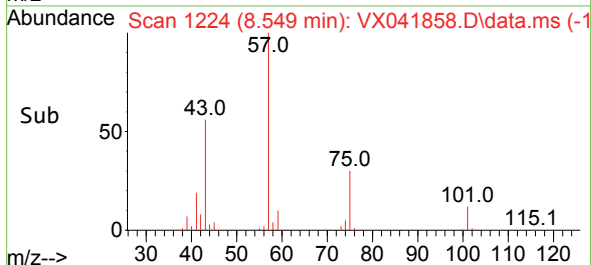
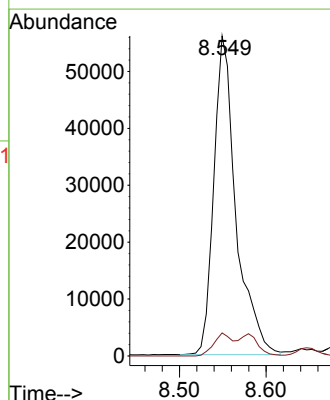
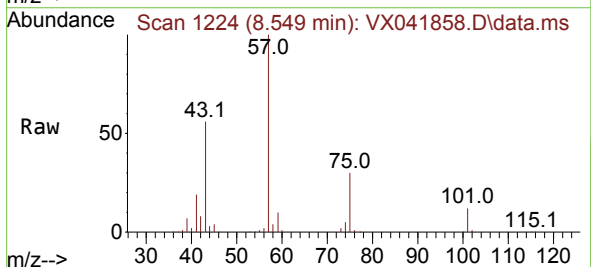
Acq: 13 Jun 2024 16:51

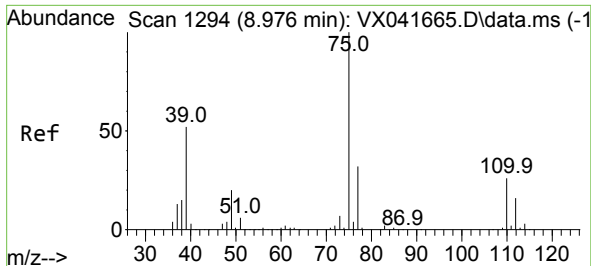
Tgt Ion: 43 Resp: 99632

Ion Ratio Lower Upper

43 100

58 5.7 30.4 45.6#

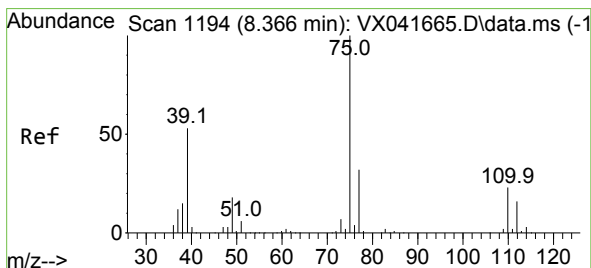
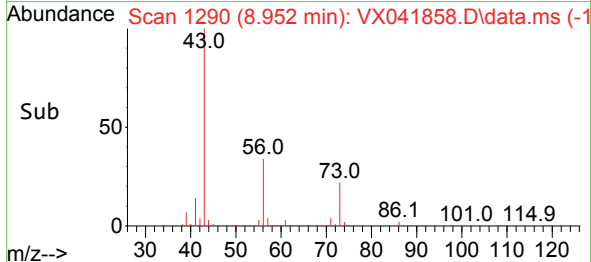
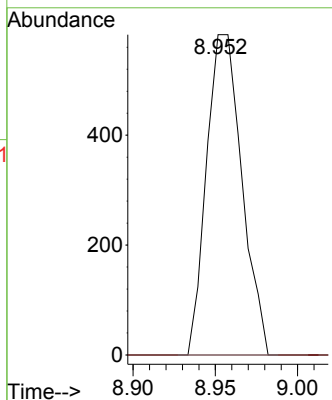
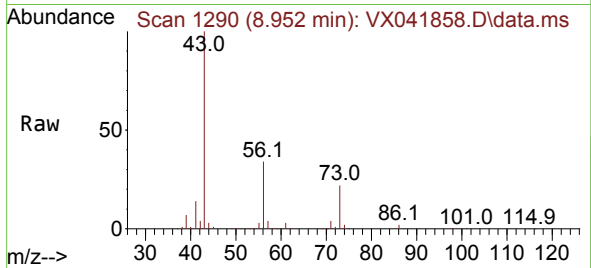




#53
 t-1,3-Dichloropropene
 Concen: 0.376 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041858.D
 Acq: 13 Jun 2024 16:51

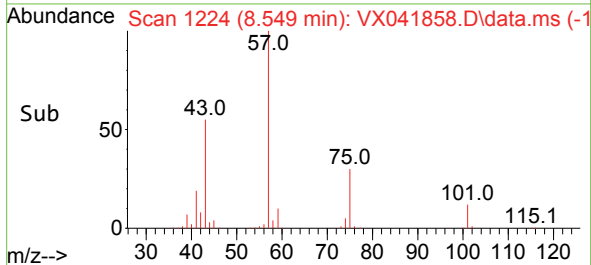
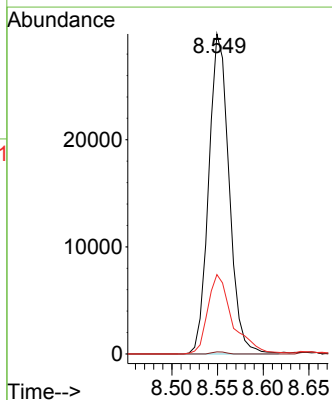
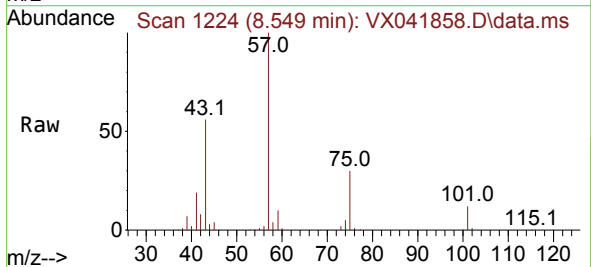
Instrument :
 MSVOA_X
 ClientSampleId :

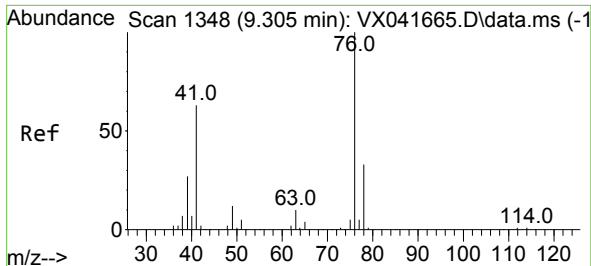
Tgt Ion: 75 Resp: 873
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.008 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041858.D
 Acq: 13 Jun 2024 16:51

Tgt Ion: 75 Resp: 46242
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 24.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.234 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

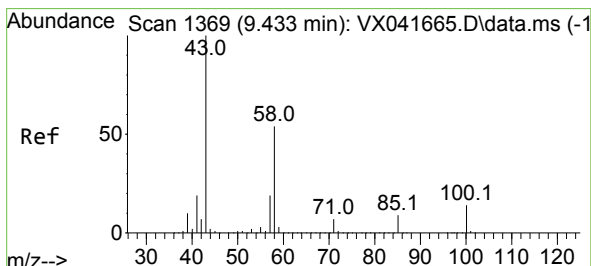
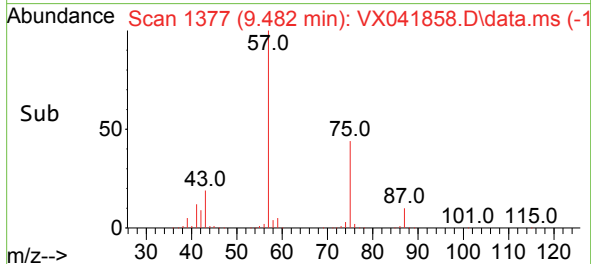
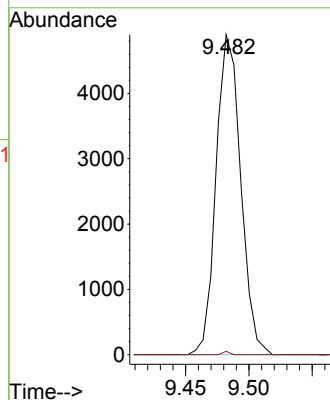
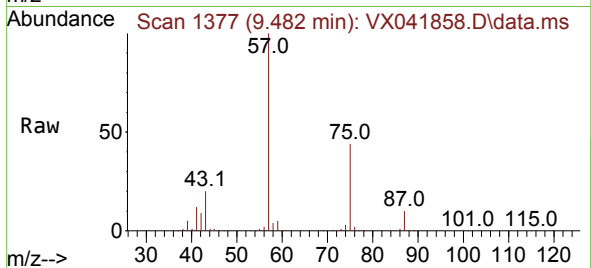
ClientSampleId :

Tgt Ion: 76 Resp: 6625

Ion Ratio Lower Upper

76 100

78 0.3 26.1 39.1#



#59

2-Hexanone

Concen: 39.260 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041858.D

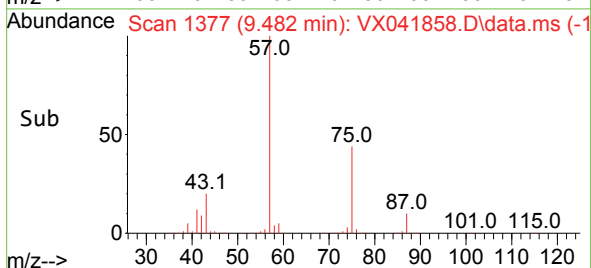
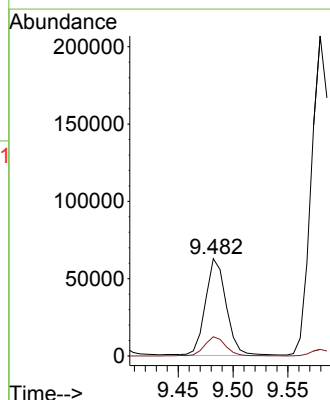
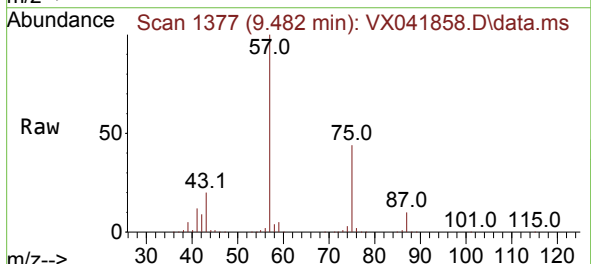
Acq: 13 Jun 2024 16:51

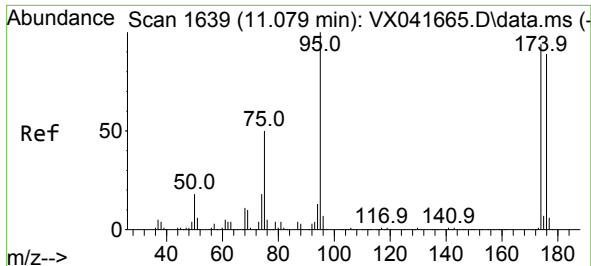
Tgt Ion: 43 Resp: 82628

Ion Ratio Lower Upper

43 100

58 20.6 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

ClientSampleId :

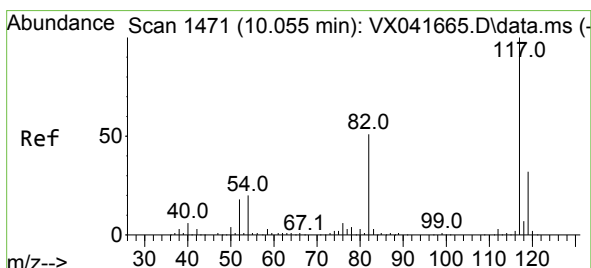
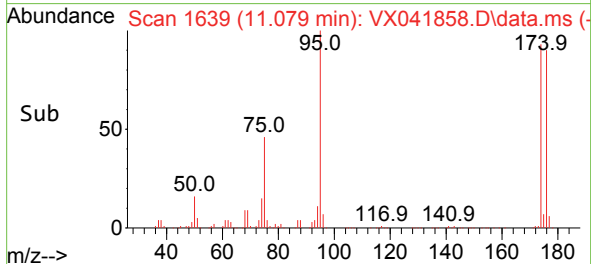
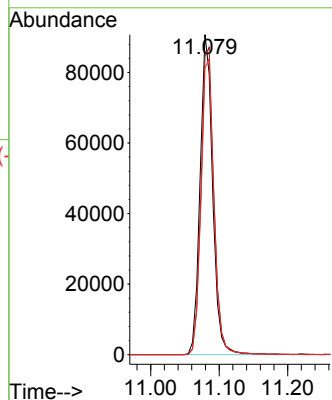
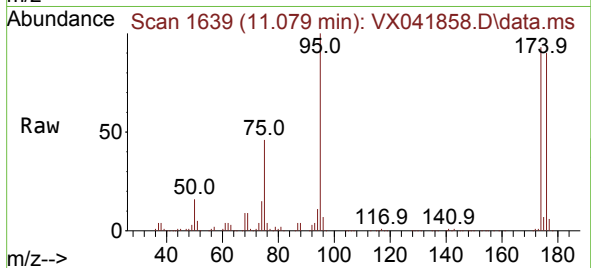
Tgt Ion: 95 Resp: 116201

Ion Ratio Lower Upper

95 100

174 99.0 0.0 135.6

176 95.2 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: VX041858.D

Acq: 13 Jun 2024 16:51

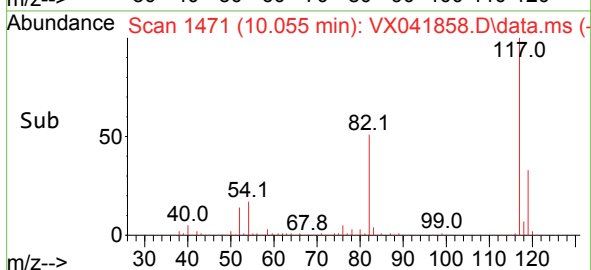
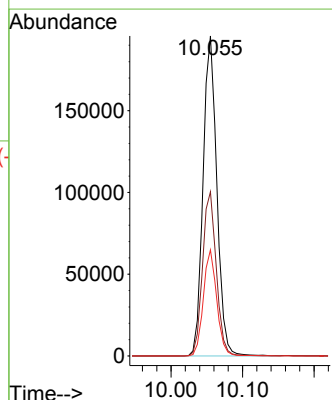
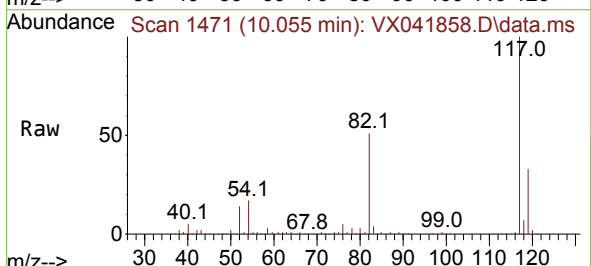
Tgt Ion: 117 Resp: 262095

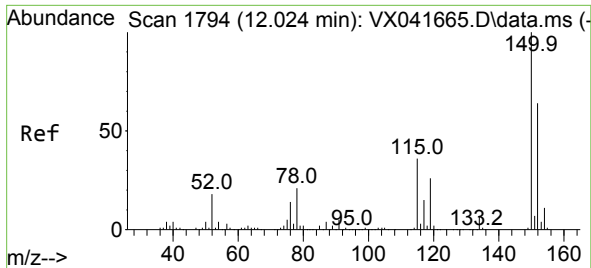
Ion Ratio Lower Upper

117 100

82 51.3 46.2 69.4

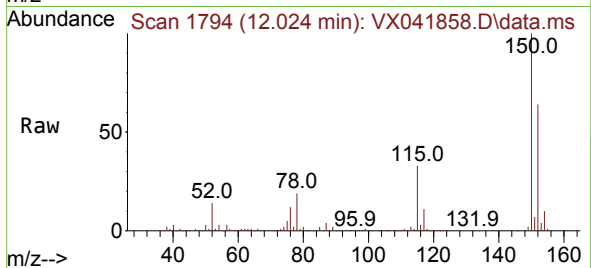
119 33.1 25.5 38.3



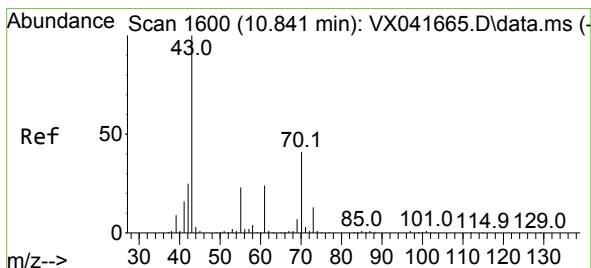
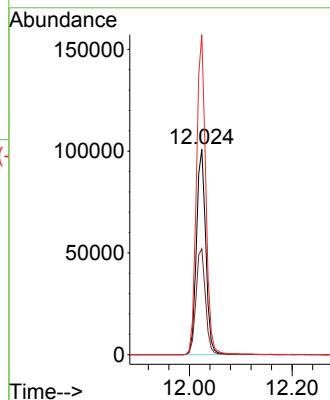
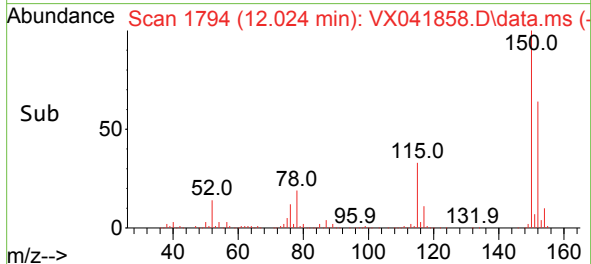


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51

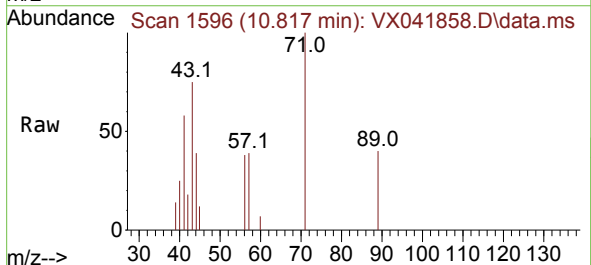
Instrument :
MSVOA_X
ClientSampleId :



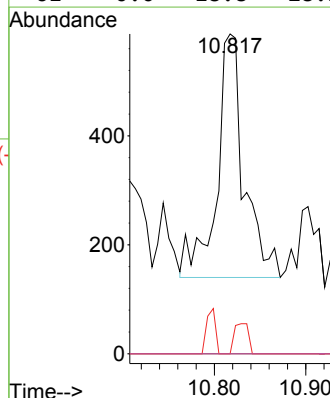
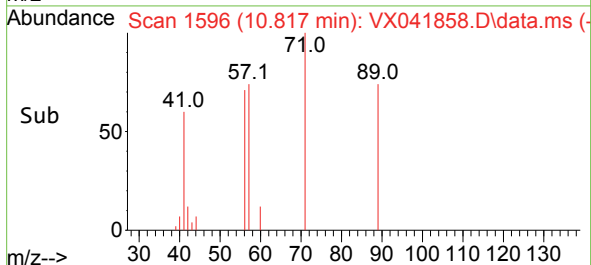
Tgt Ion:152 Resp: 127641
Ion Ratio Lower Upper
152 100
115 52.6 43.3 129.9
150 155.5 0.0 345.0

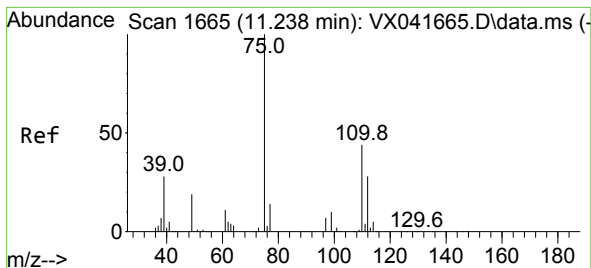


#74
N-ethyl acetate
Concen: 0.263 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX041858.D
Acq: 13 Jun 2024 16:51



Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 6.4 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.591 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Instrument :

MSVOA_X

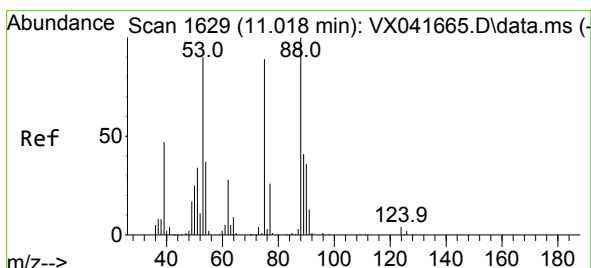
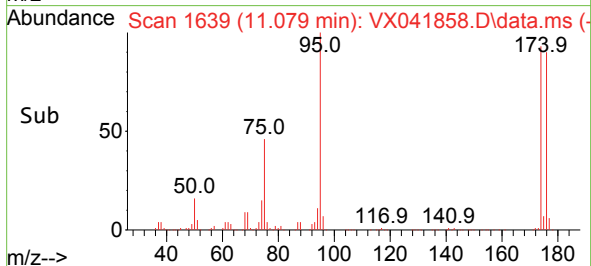
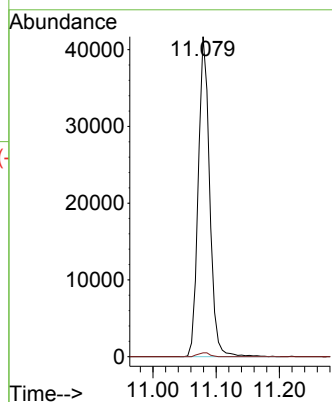
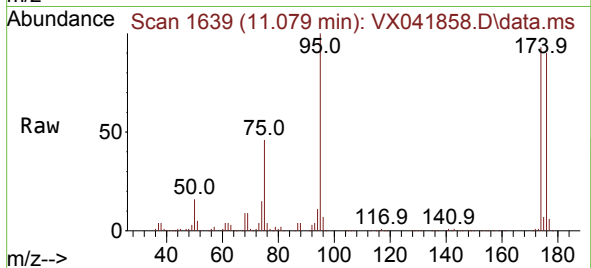
ClientSampleId :

Tgt Ion: 75 Resp: 52539

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.297 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041858.D

Acq: 13 Jun 2024 16:51

Tgt Ion: 75 Resp: 52539

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

