

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041860.D
 Acq On : 13 Jun 2024 17:38
 Operator : JC/MD
 Sample : PB161467ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:50:49 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)

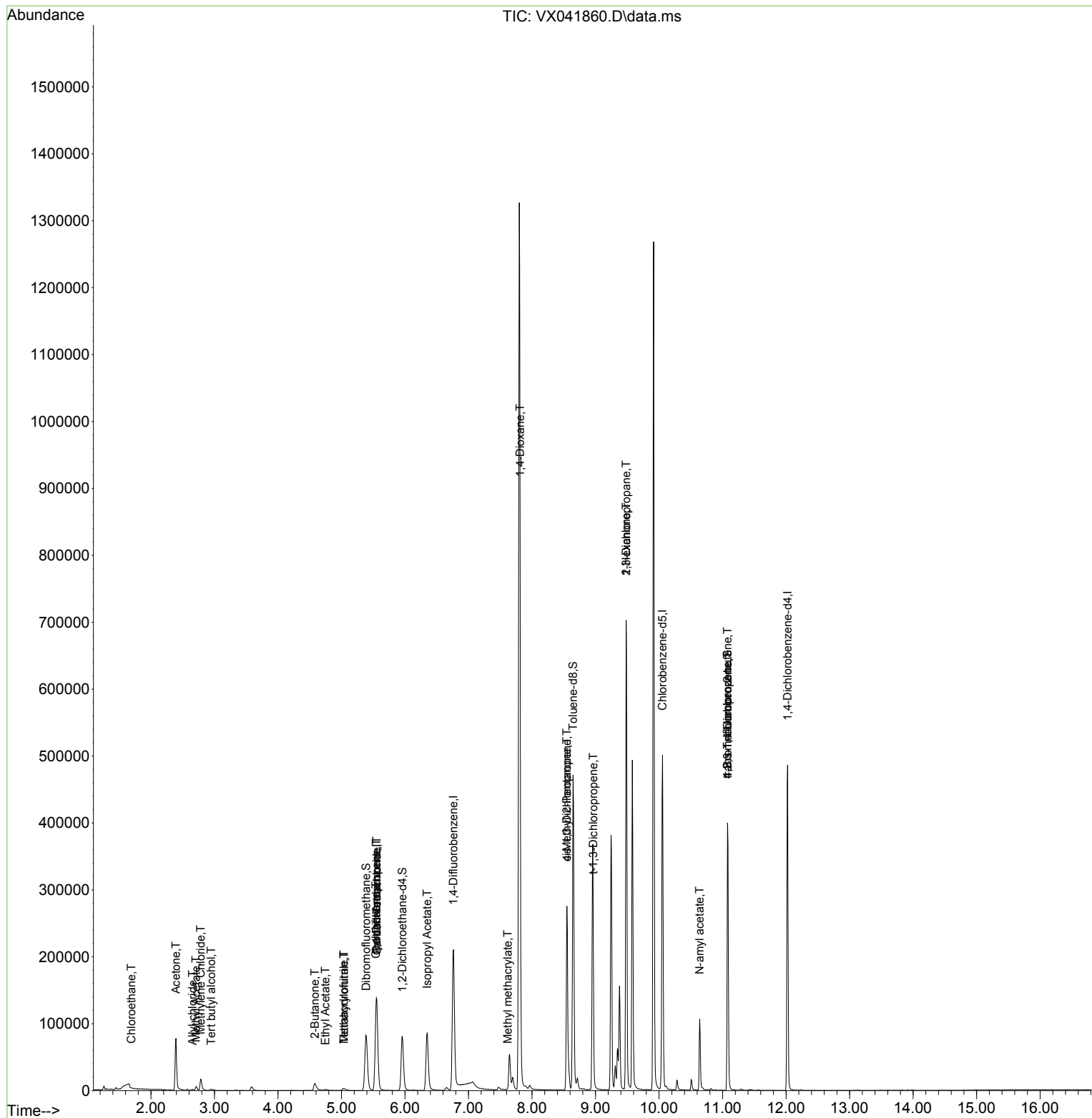
Internal Standards						
1) Pentafluorobenzene	5.550	168	154303	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	240217	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77661	41.037	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.080%		
35) Dibromofluoromethane	5.385	113	73958	44.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.060%		
50) Toluene-d8	8.647	98	288810	49.767	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	107650	50.260	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.520%		
Target Compounds						
						Qvalue
6) Chloroethane	1.691	64	219	0.238	ug/l	# 43
11) Tert butyl alcohol	2.946	59	1324	3.955	ug/l	# 78
14) Allyl chloride	2.654	41	1523	0.673	ug/l	# 38
16) Acetone	2.392	43	88203	104.612	ug/l	# 89
18) Methyl Acetate	2.709	43	7395	4.092	ug/l	97
20) Methylene Chloride	2.782	84	9693	5.723	ug/l	90
25) 2-Butanone	4.580	43	21759	18.500	ug/l	92
29) Tetrahydrofuran	5.038	42	3297	4.445	ug/l	95
31) Cyclohexane	5.544	56	2106	0.943	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9005	4.478	ug/l	# 50
37) Ethyl Acetate	4.745	43	3173	1.250	ug/l	# 97
38) Carbon Tetrachloride	5.556	117	13028	5.702	ug/l	# 15
41) Methacrylonitrile	5.038	41	2059	1.659	ug/l	# 47
43) Isopropyl Acetate	6.348	43	120212	31.372	ug/l	95
48) Methyl methacrylate	7.616	41	3328	1.809	ug/l	# 16
49) 1,4-Dioxane	7.811	88	159	3.955	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	99421	40.012	ug/l	# 46
53) t-1,3-Dichloropropene	8.964	75	859	0.411	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47310	20.469	ug/l	# 50
57) 1,3-Dichloropropane	9.482	76	6479	2.427	ug/l	# 42
59) 2-Hexanone	9.482	43	81426	42.983	ug/l	# 54
74) N-amyl acetate	10.640	43	26317	8.264	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	48242	23.857	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48242	65.023	ug/l	# 5

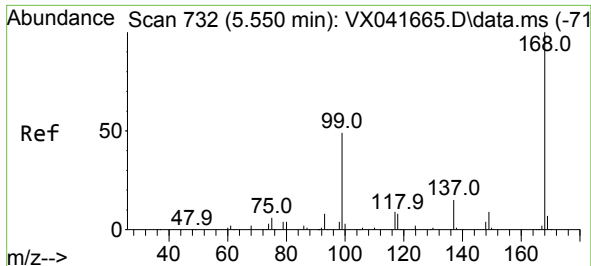
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
Data File : VX041860.D
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Sample : PB161467ZHE#15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

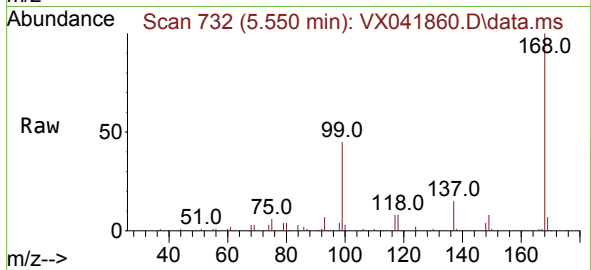
Quant Time: Jun 14 01:50:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



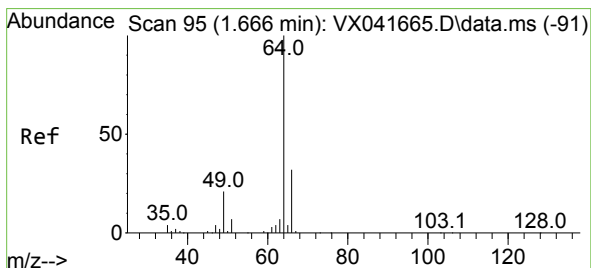
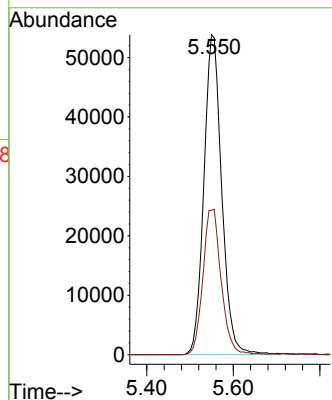
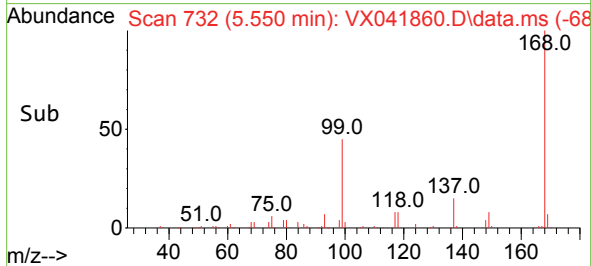


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :

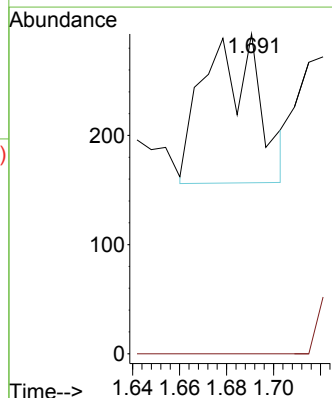
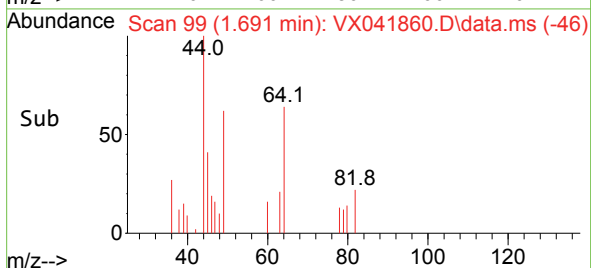
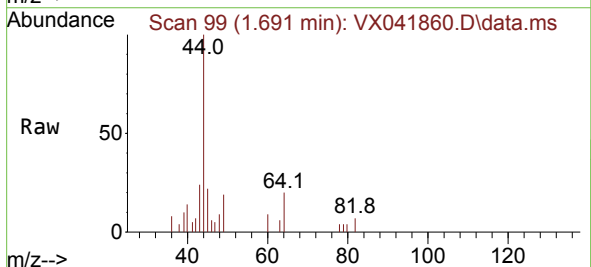


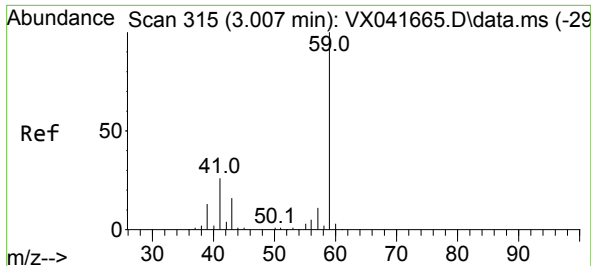
Tgt Ion:168 Resp: 154303
Ion Ratio Lower Upper
168 100
99 45.1 56.6 85.0#



#6
Chloroethane
Concen: 0.238 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.024 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

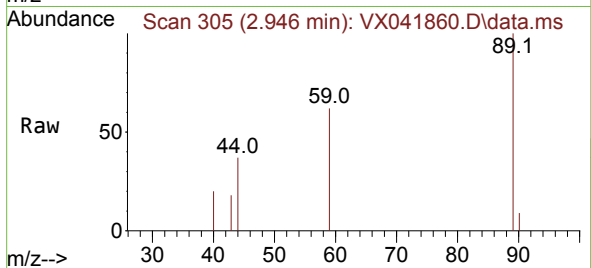
Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



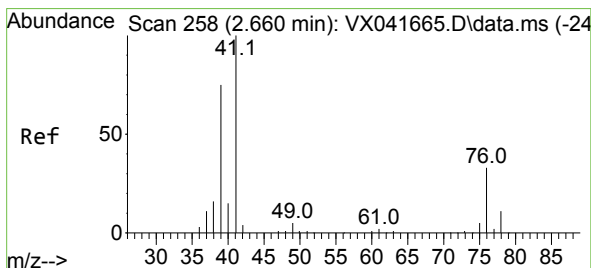
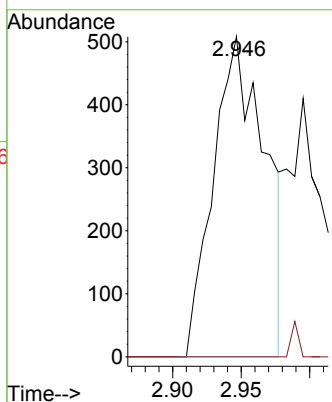
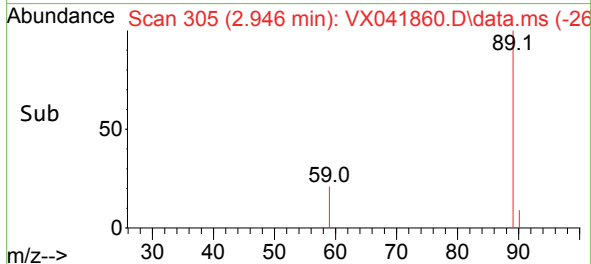


#11
Tert butyl alcohol
Concen: 3.955 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

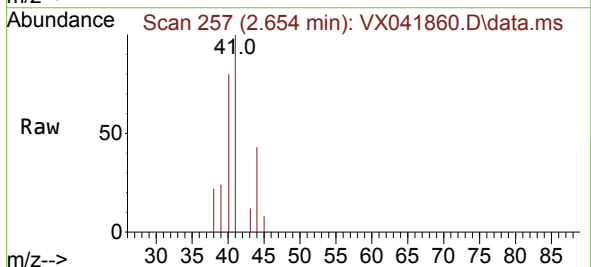
Instrument :
MSVOA_X
ClientSampleId :



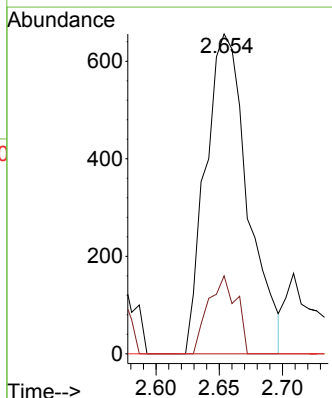
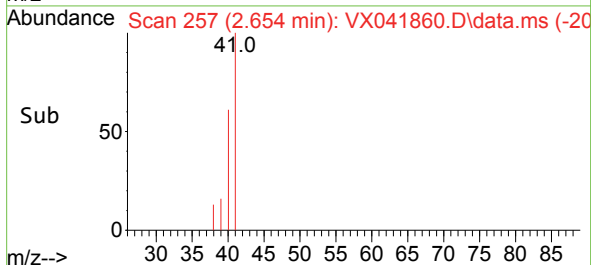
Tgt Ion: 59 Resp: 1324
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

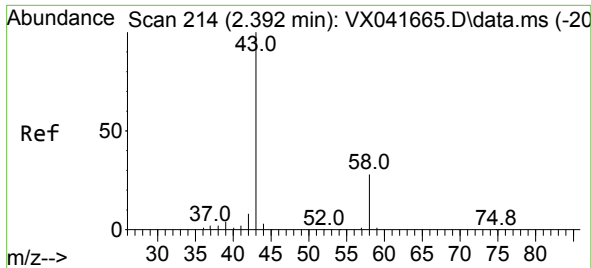


#14
Allyl chloride
Concen: 0.673 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38



Tgt Ion: 41 Resp: 1523
Ion Ratio Lower Upper
41 100
39 16.3 55.8 83.6#
76 0.0 24.3 36.5#

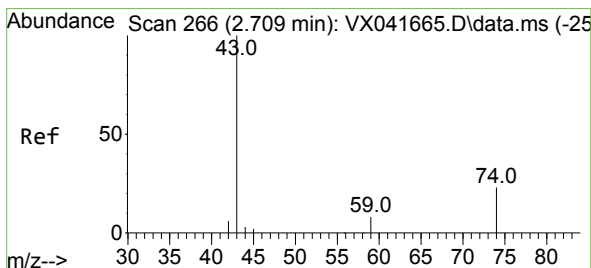
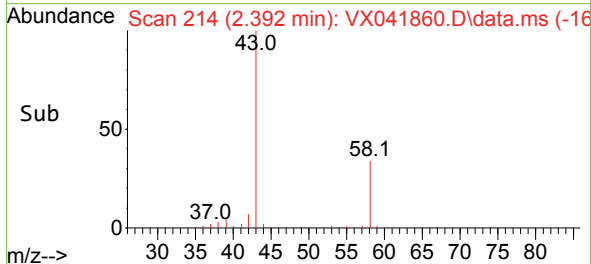
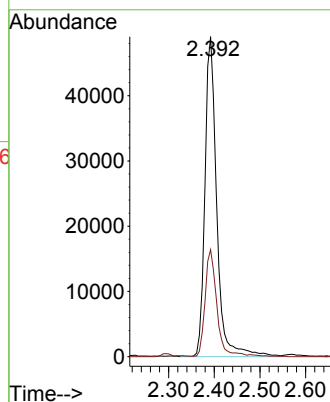
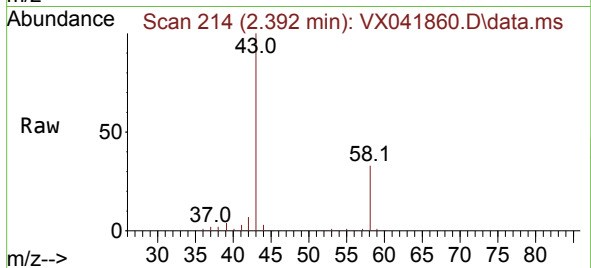




#16
Acetone
Concen: 104.612 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

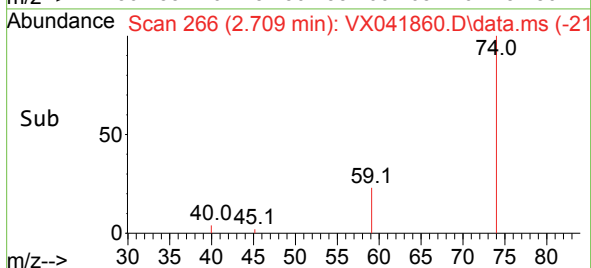
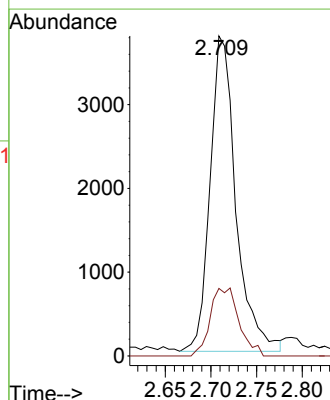
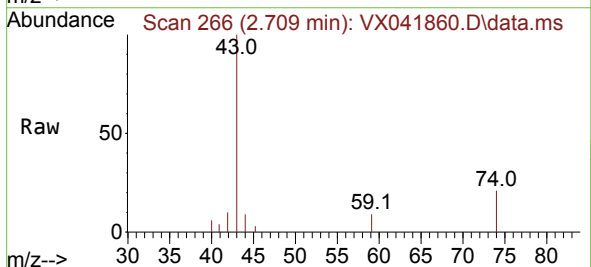
Instrument :
MSVOA_X
ClientSampleId :

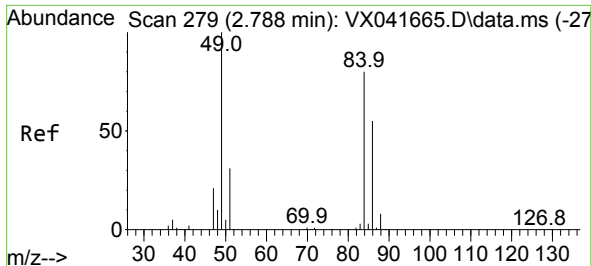
Tgt Ion: 43 Resp: 88203
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#



#18
Methyl Acetate
Concen: 4.092 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

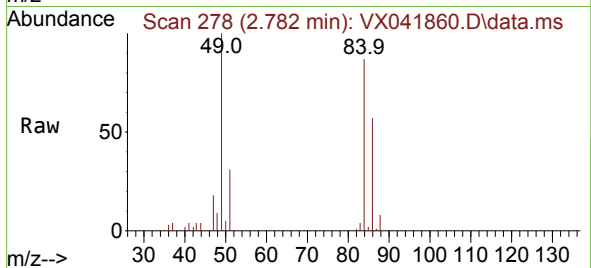
Tgt Ion: 43 Resp: 7395
Ion Ratio Lower Upper
43 100
74 23.9 17.8 26.8



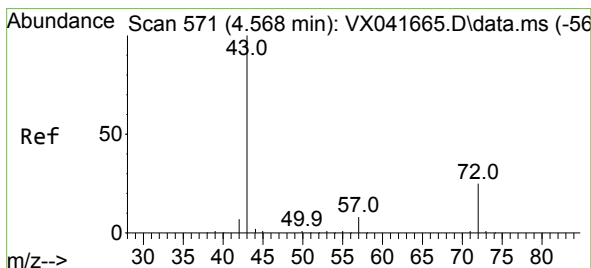
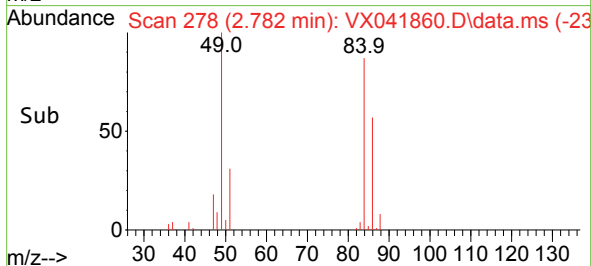
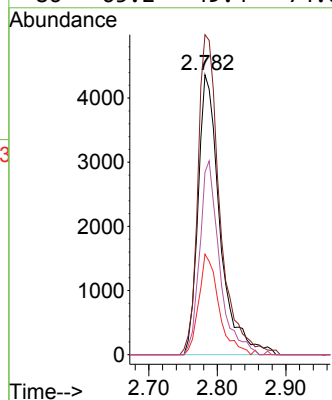


#20
Methylene Chloride
Concen: 5.723 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :

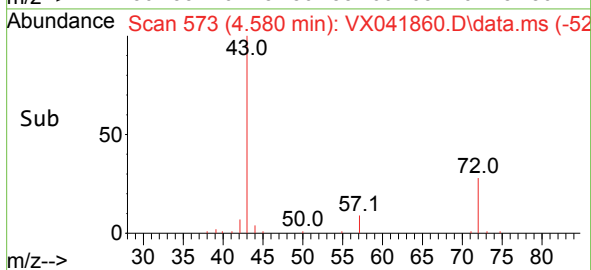
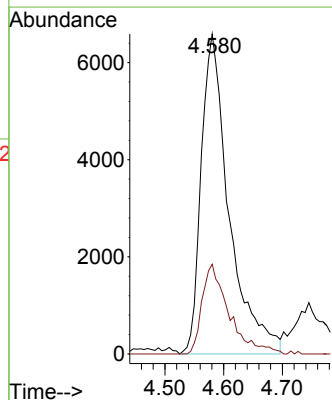
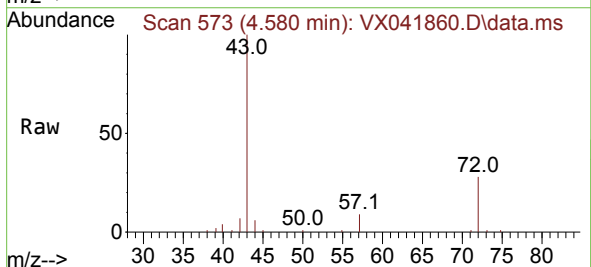


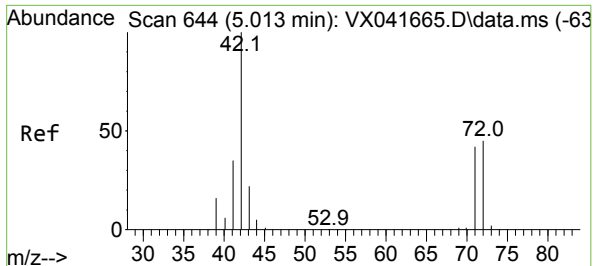
Tgt Ion:	84	Resp:	9693
Ion	Ratio	Lower	Upper
84	100		
49	114.3	103.6	155.4
51	35.9	33.8	50.6
86	65.2	49.4	74.0



#25
2-Butanone
Concen: 18.500 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Tgt Ion:	43	Resp:	21759
Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.445 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX041860.D

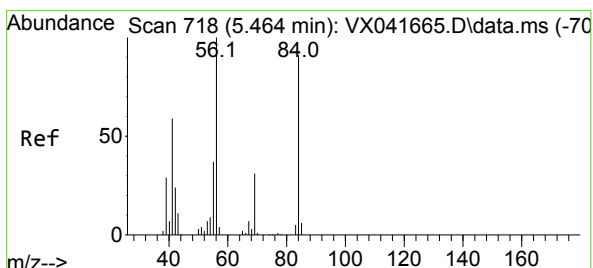
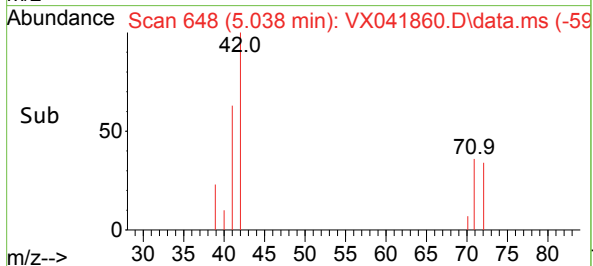
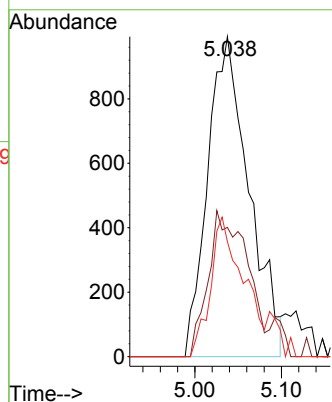
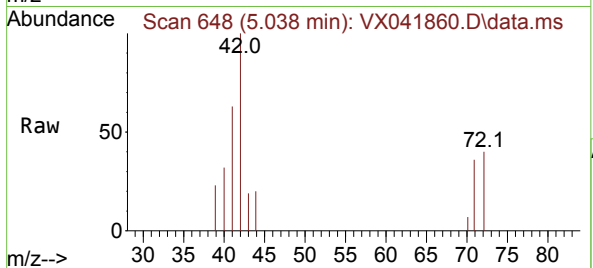
Acq: 13 Jun 2024 17:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3297
Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.2	51.4
71	34.7	32.2	48.2



#31

Cyclohexane

Concen: 0.943 ug/l

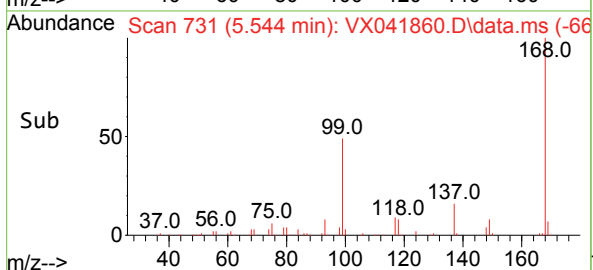
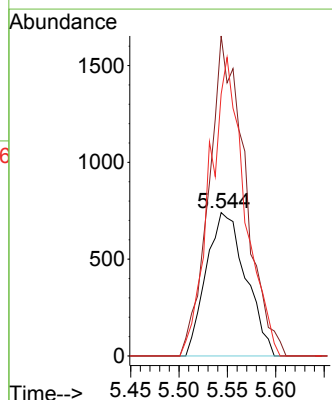
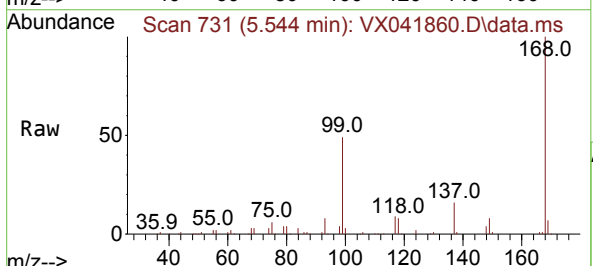
RT: 5.544 min Scan# 731

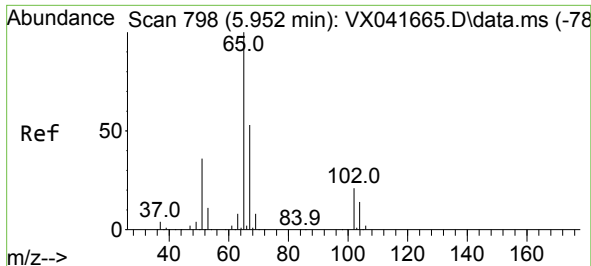
Delta R.T. 0.079 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Tgt Ion:	56	Resp:	2106
Ion	Ratio	Lower	Upper
56	100		
69	223.4	23.4	35.2#
84	182.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.037 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Instrument :

MSVOA_X

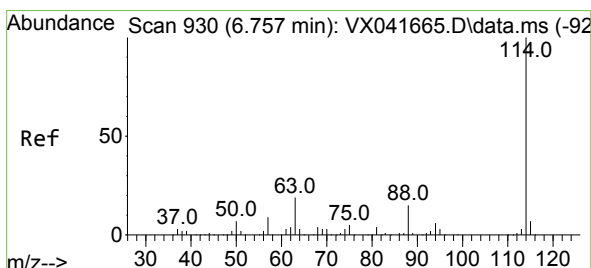
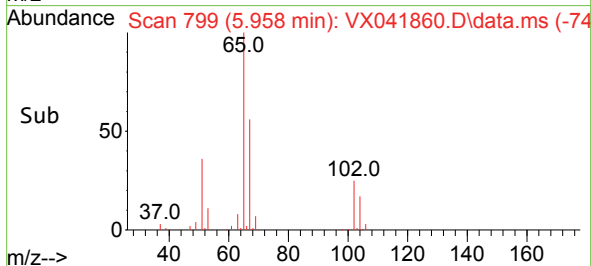
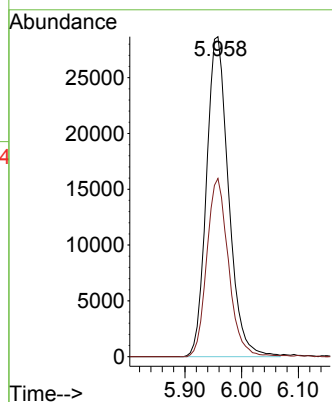
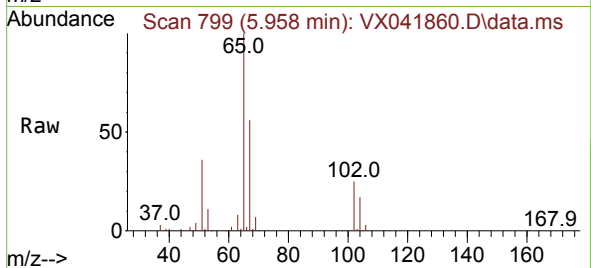
ClientSampleId :

Tgt Ion: 65 Resp: 77661

Ion Ratio Lower Upper

65 100

67 54.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

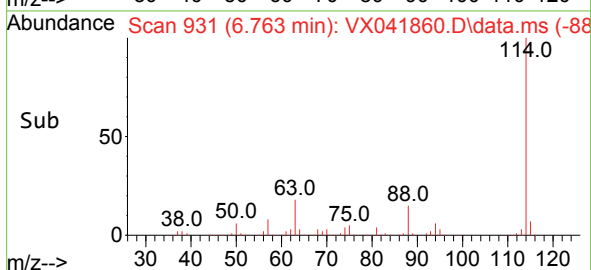
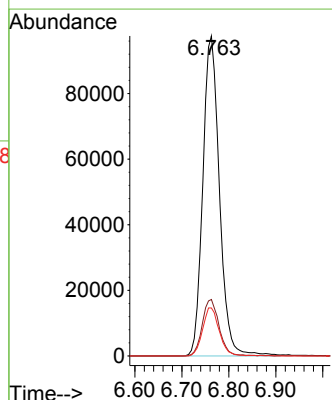
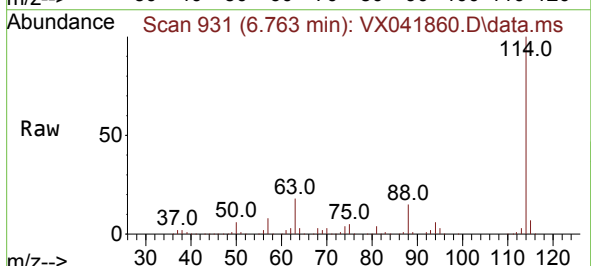
Tgt Ion: 114 Resp: 240217

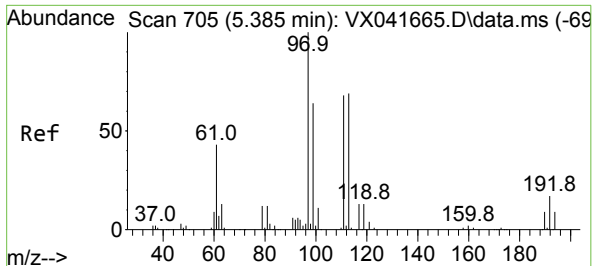
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

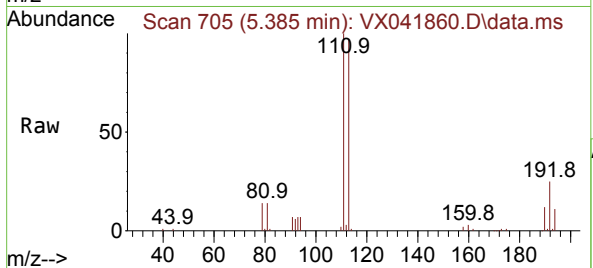
88 15.0 0.0 36.6



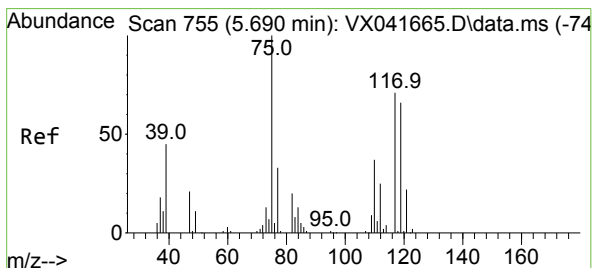
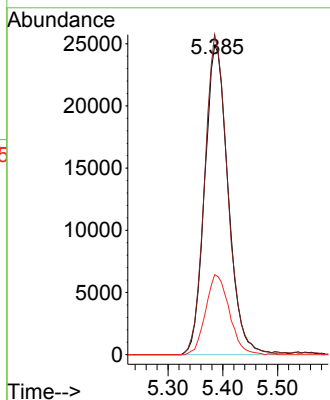
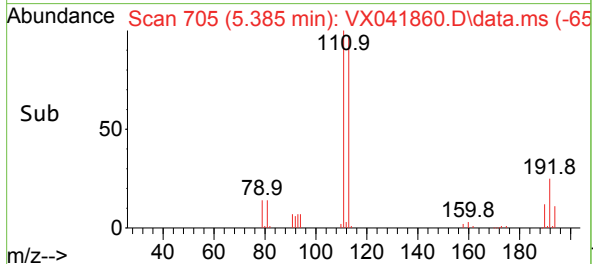


#35
Dibromofluoromethane
Concen: 44.530 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :

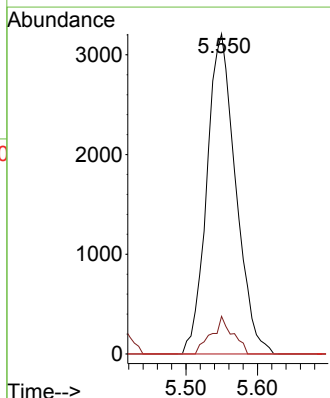
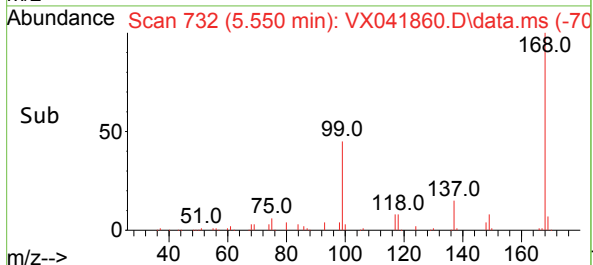
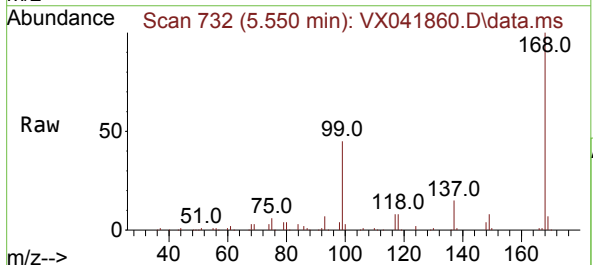


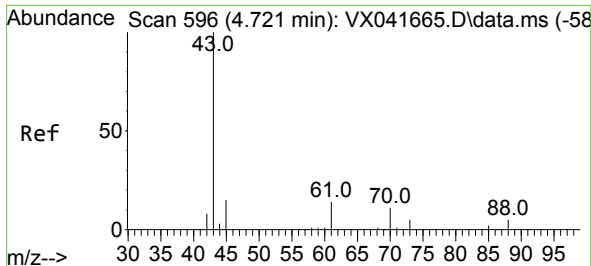
Tgt Ion:113 Resp: 73958
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 26.1 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Tgt Ion: 75 Resp: 9005
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.250 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

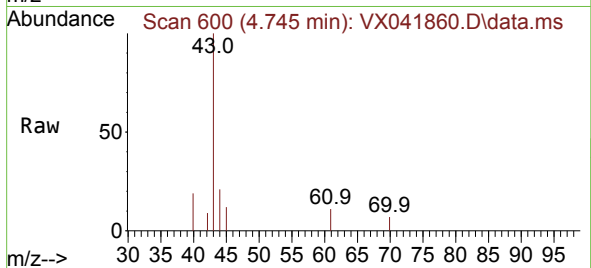
Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

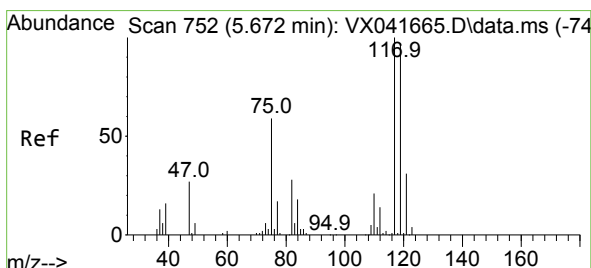
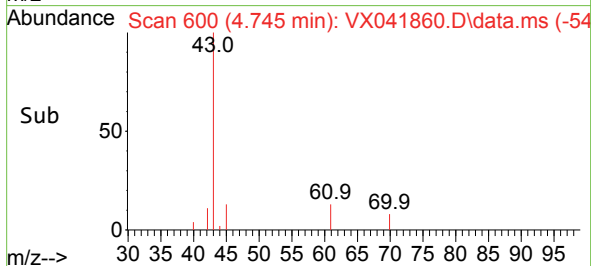
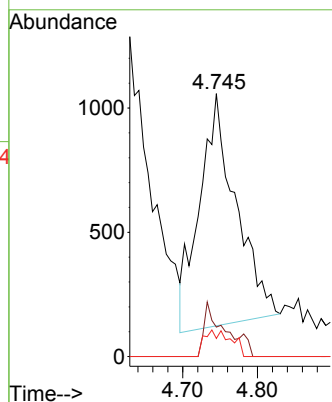
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3173
Ion Ratio	Lower Upper
43	100
61	13.8 10.6 16.0
70	8.3 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.702 ug/l

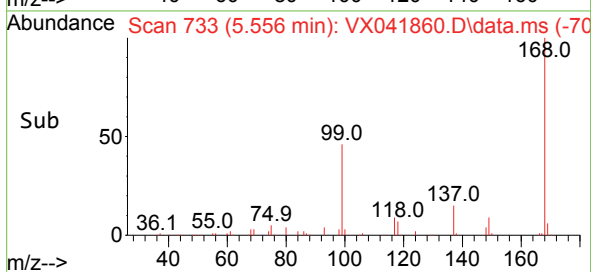
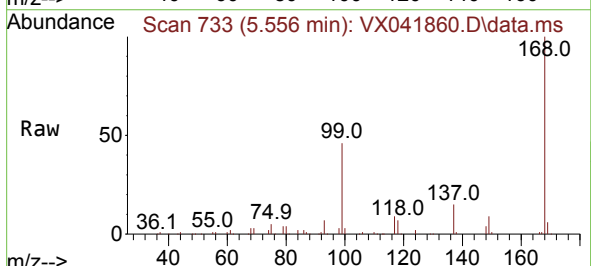
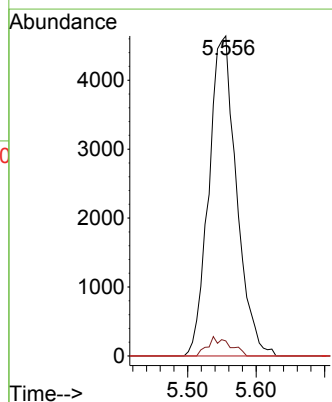
RT: 5.556 min Scan# 733

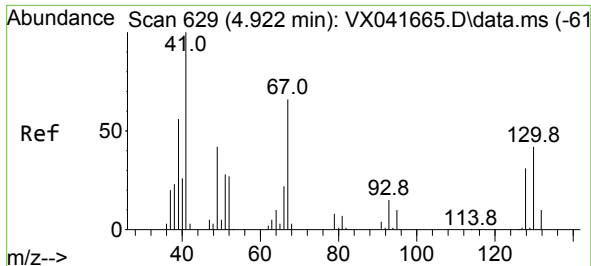
Delta R.T. -0.116 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

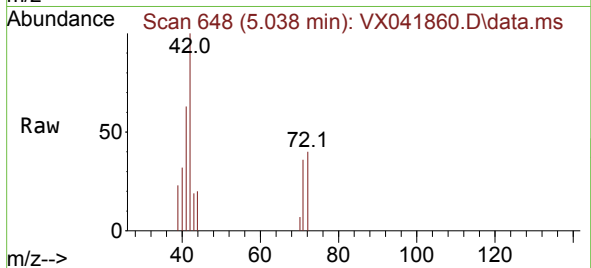
Tgt Ion: 117	Resp: 13028
Ion Ratio	Lower Upper
117	100
119	4.7 78.2 117.2
121	0.0 24.4 36.6



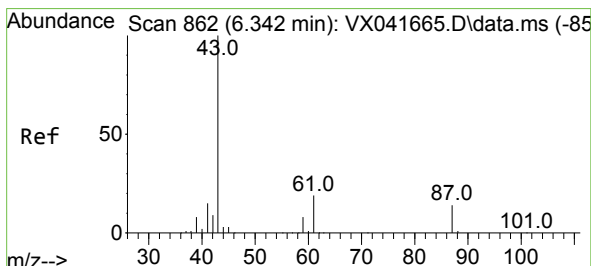
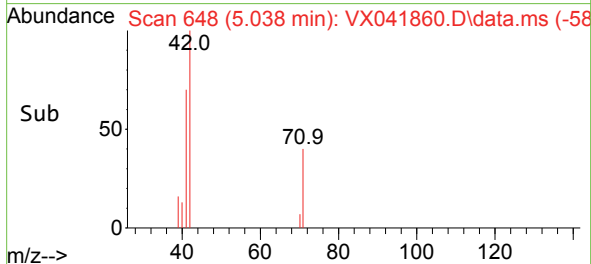
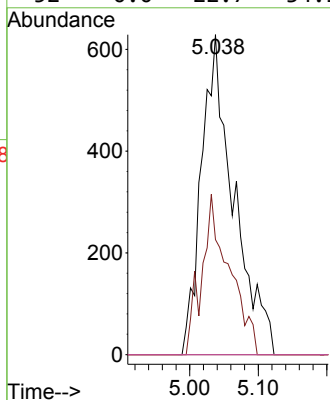


#41
Methacrylonitrile
Concen: 1.659 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.116 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :

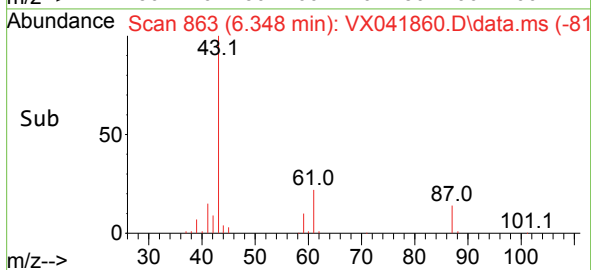
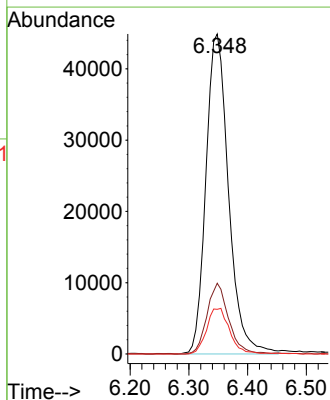
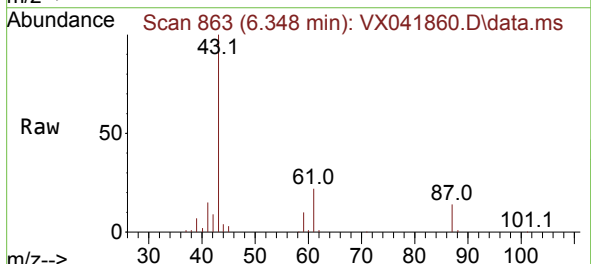


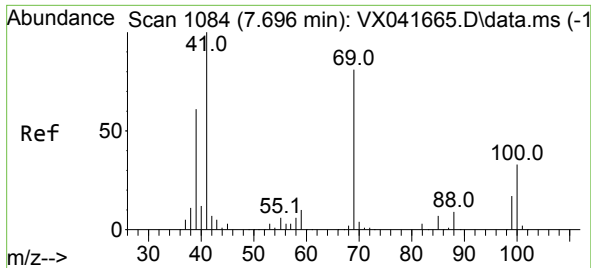
Tgt Ion:	41	Resp:	2059
Ion	Ratio	Lower	Upper
41	100		
39	43.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 31.372 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

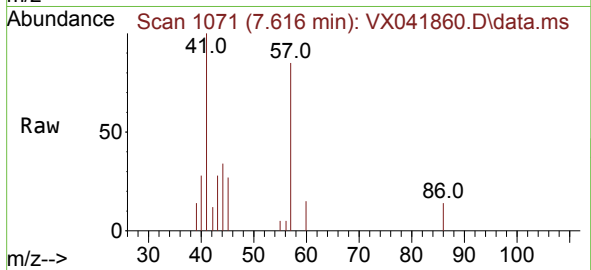
Tgt Ion:	43	Resp:	120212
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.2	22.8
87	14.3	9.8	14.6



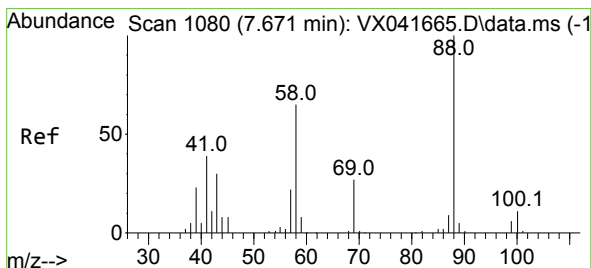
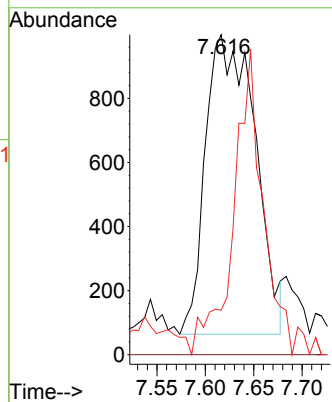
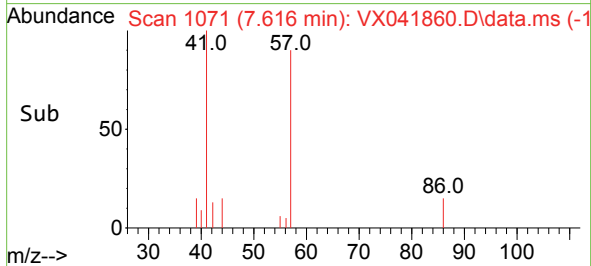


#48
Methyl methacrylate
Concen: 1.809 ug/l
RT: 7.616 min Scan# 1103
Delta R.T. -0.079 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Instrument :
MSVOA_X
ClientSampleId :

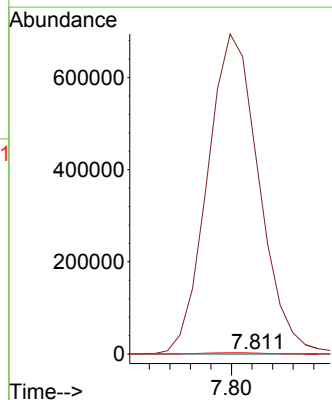
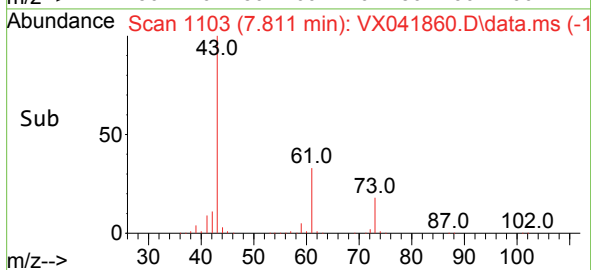
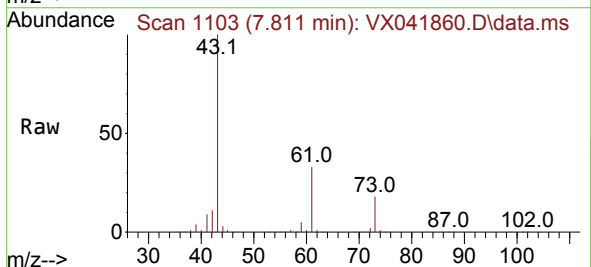


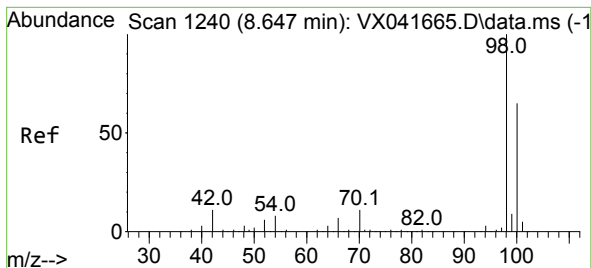
Tgt Ion: 41 Resp: 3328
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 3.955 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.140 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 771570.4 0.0 0.0#
58 3603.8 60.1 90.1#





#50

Toluene-d8

Concen: 49.767 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Instrument :

MSVOA_X

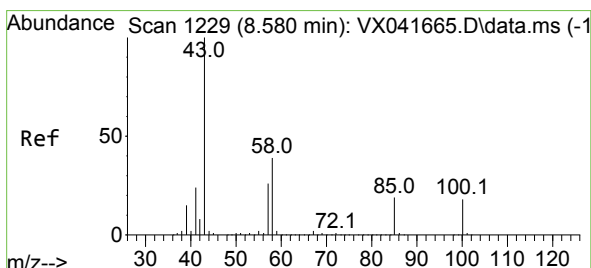
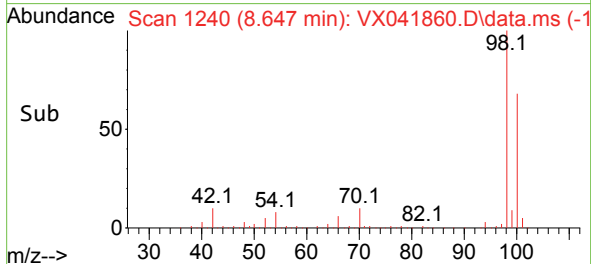
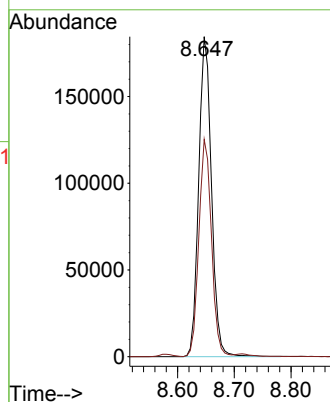
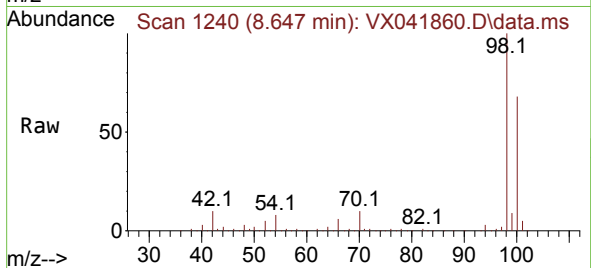
ClientSampleId :

Tgt Ion: 98 Resp: 288810

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 40.012 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX041860.D

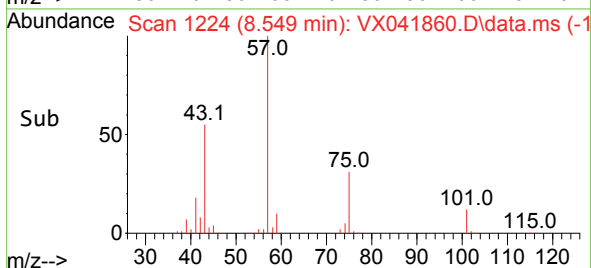
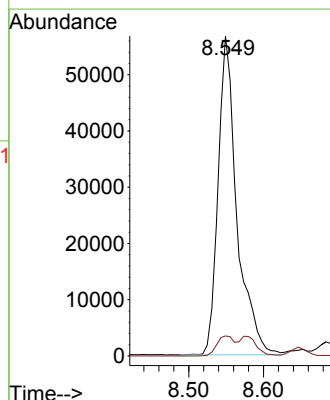
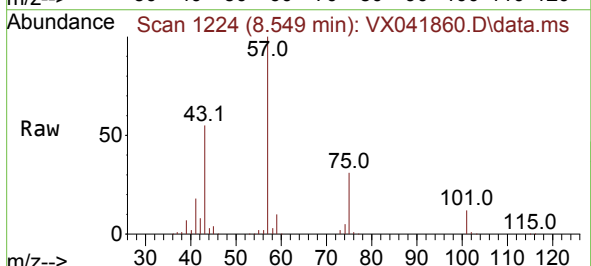
Acq: 13 Jun 2024 17:38

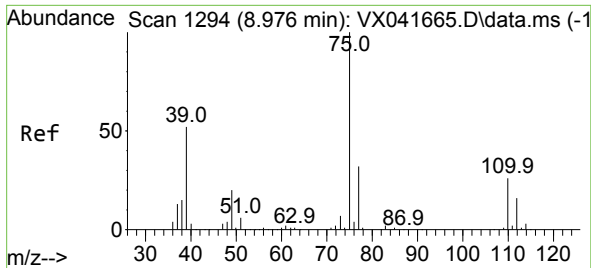
Tgt Ion: 43 Resp: 99421

Ion Ratio Lower Upper

43 100

58 5.7 30.4 45.6#

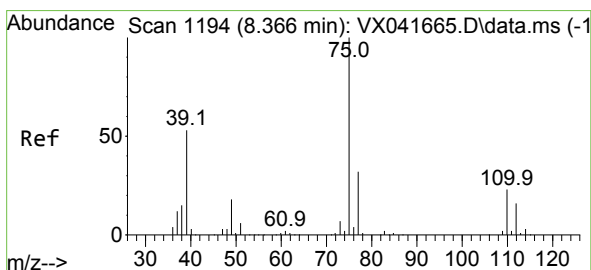
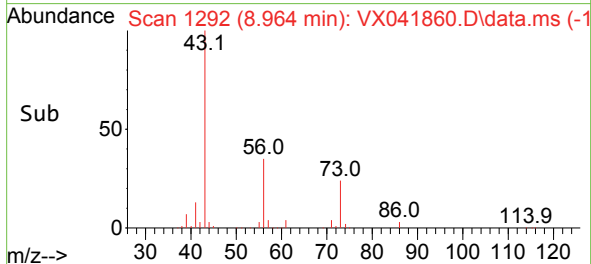
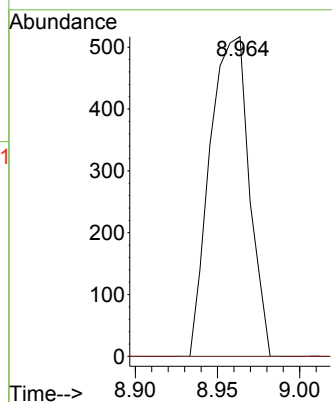
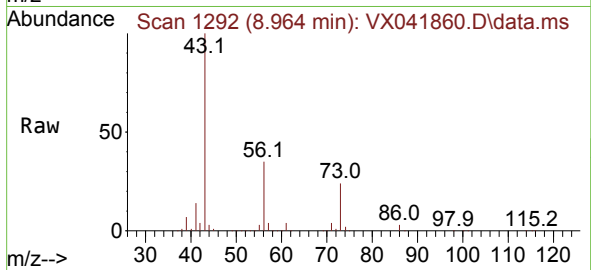




#53
 t-1,3-Dichloropropene
 Concen: 0.411 ug/l
 RT: 8.964 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VX041860.D
 Acq: 13 Jun 2024 17:38

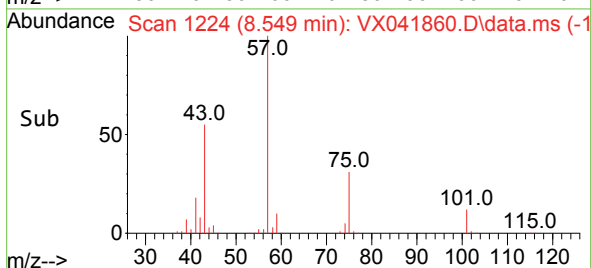
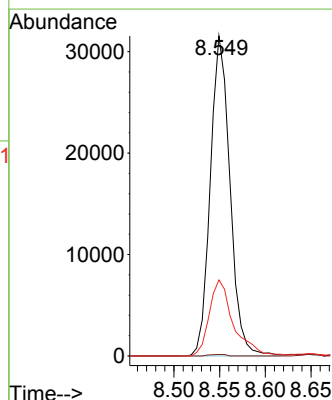
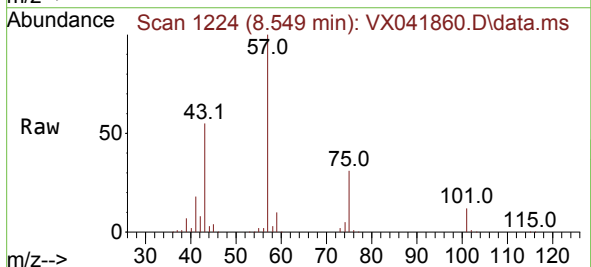
Instrument :
 MSVOA_X
 ClientSampleId :

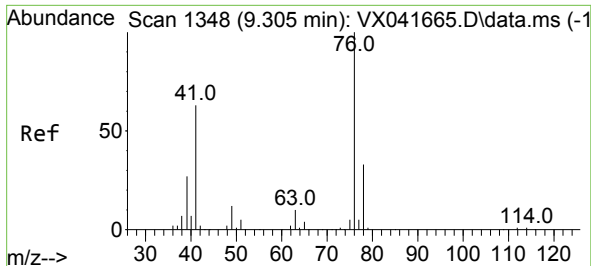
Tgt Ion: 75 Resp: 859
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 20.469 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041860.D
 Acq: 13 Jun 2024 17:38

Tgt Ion: 75 Resp: 47310
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 23.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.427 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Instrument :

MSVOA_X

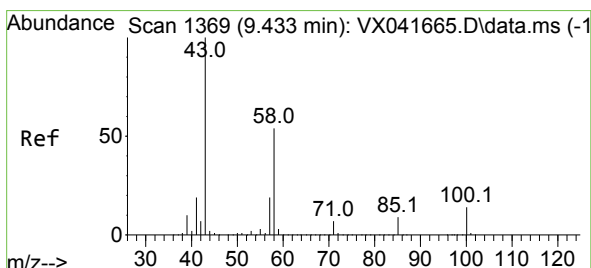
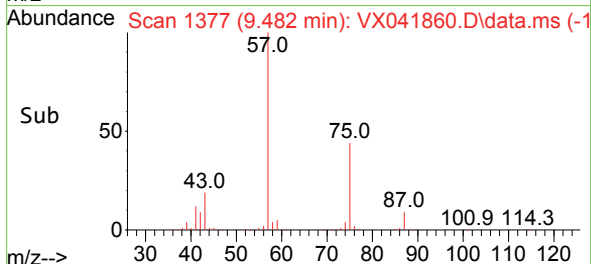
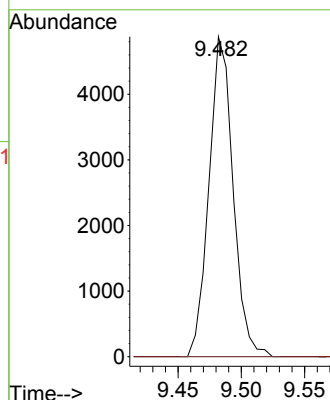
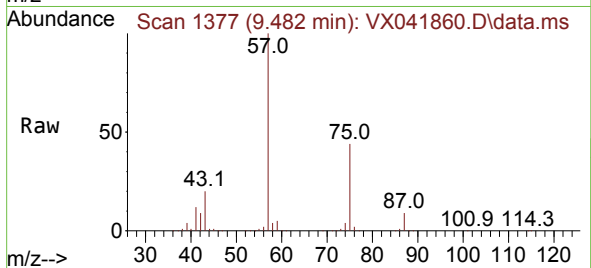
ClientSampleId :

Tgt Ion: 76 Resp: 6479

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.983 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041860.D

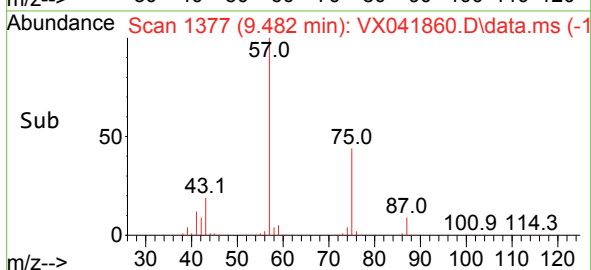
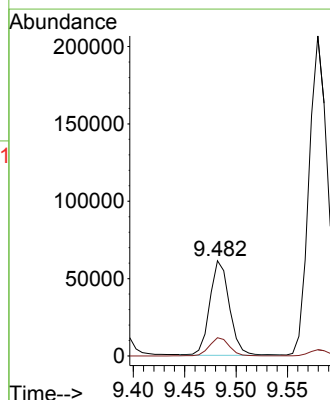
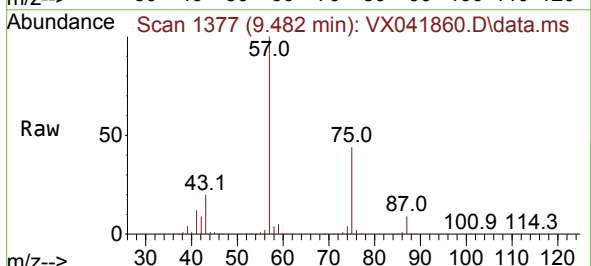
Acq: 13 Jun 2024 17:38

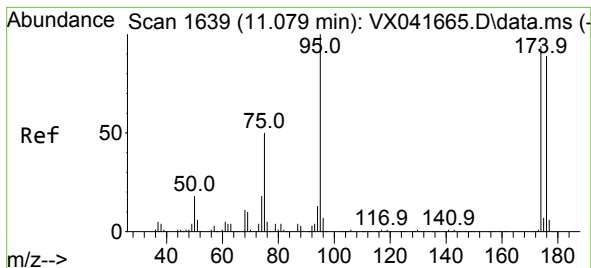
Tgt Ion: 43 Resp: 81426

Ion Ratio Lower Upper

43 100

58 20.1 26.2 78.5#

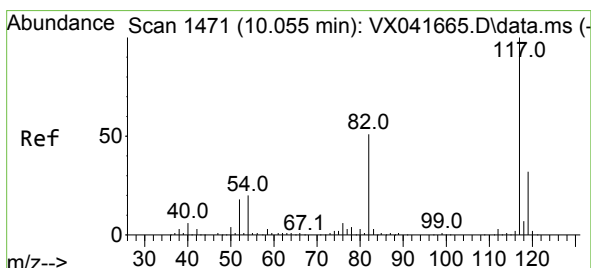
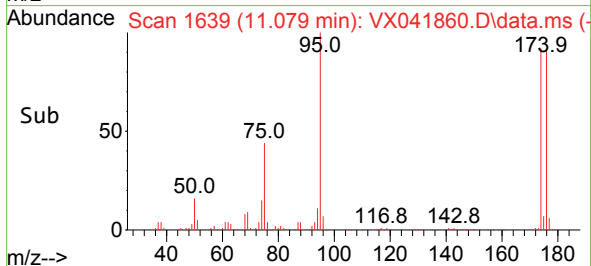
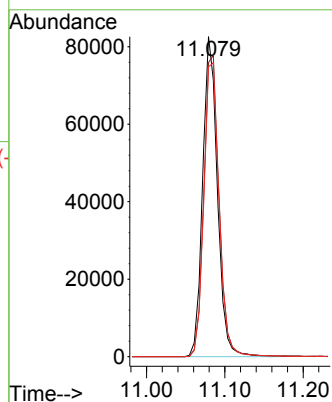
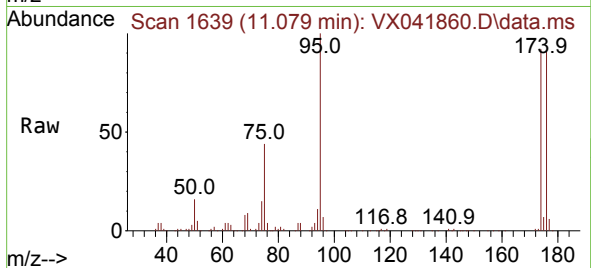




#62
4-Bromofluorobenzene
Concen: 50.260 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

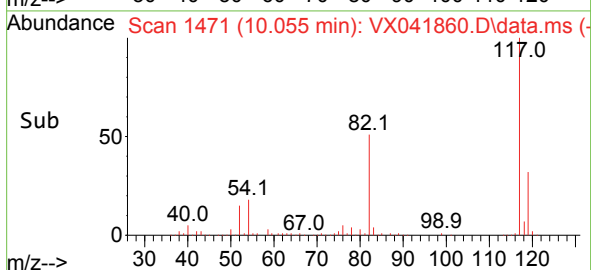
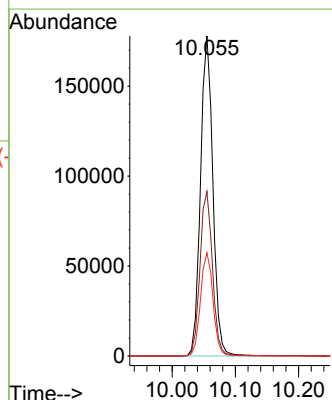
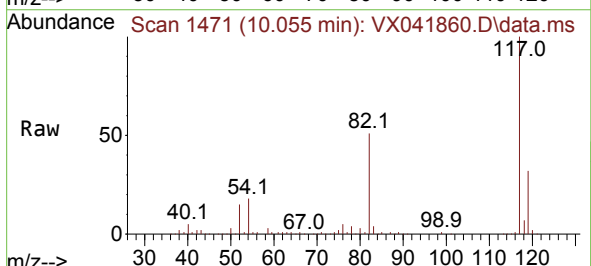
Instrument :
MSVOA_X
ClientSampleId :

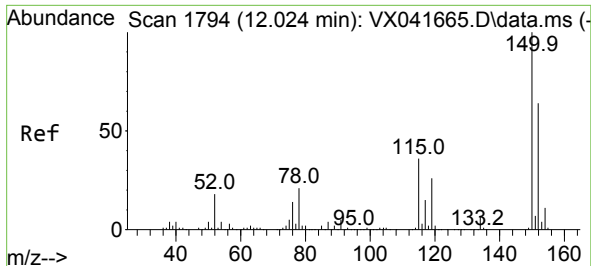
Tgt Ion: 95 Resp: 107650
Ion Ratio Lower Upper
95 100
174 97.8 0.0 135.6
176 95.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

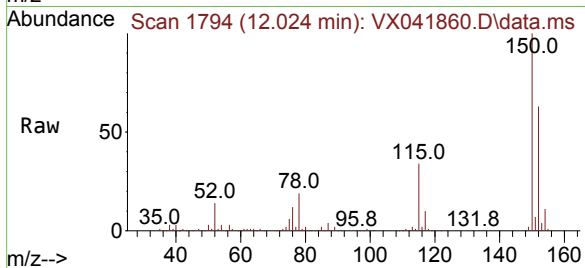
Tgt Ion: 117 Resp: 242599
Ion Ratio Lower Upper
117 100
82 51.4 46.2 69.4
119 32.3 25.5 38.3



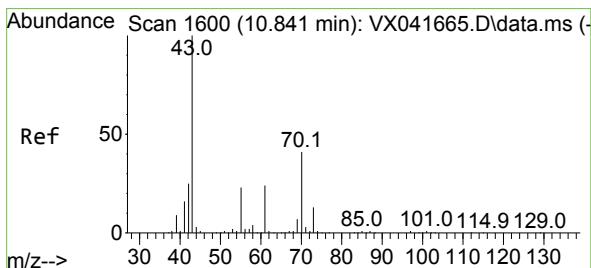
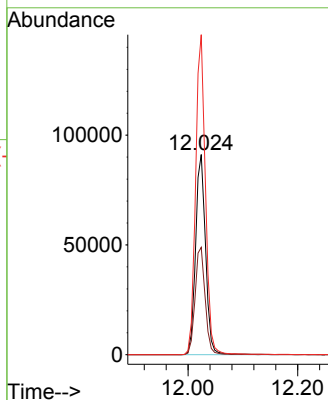
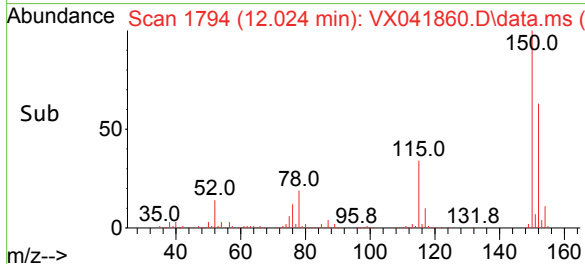


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38

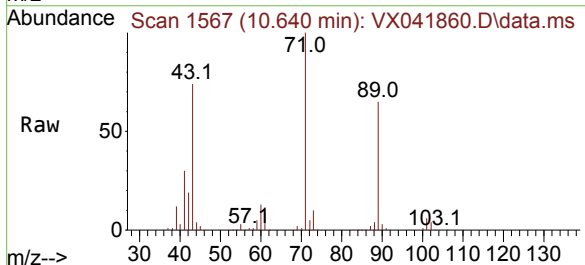
Instrument :
MSVOA_X
ClientSampleId :



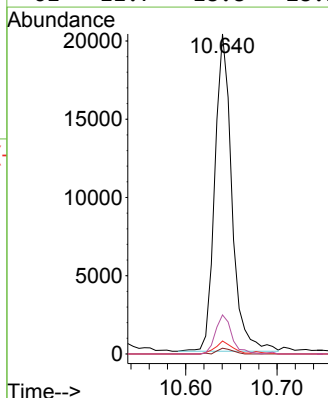
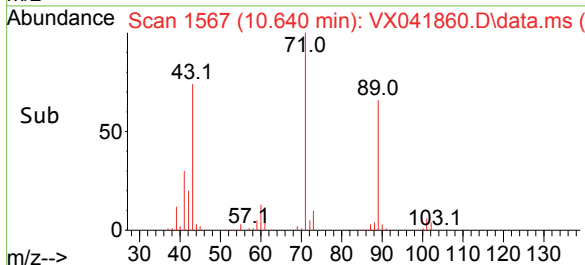
Tgt Ion:152 Resp: 115894
Ion Ratio Lower Upper
152 100
115 54.1 43.3 129.9
150 157.7 0.0 345.0

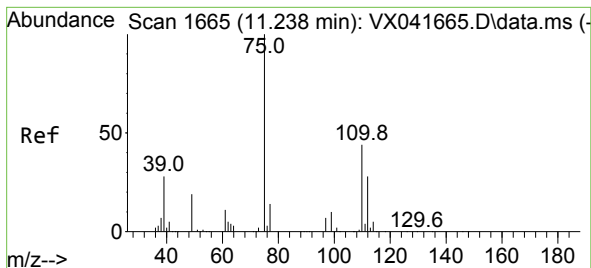


#74
N-ethyl acetate
Concen: 8.264 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX041860.D
Acq: 13 Jun 2024 17:38



Tgt Ion: 43 Resp: 26317
Ion Ratio Lower Upper
43 100
70 1.6 32.9 49.3#
55 4.1 19.3 28.9#
61 11.7 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.857 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Instrument :

MSVOA_X

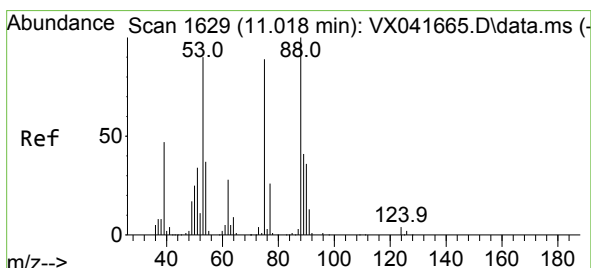
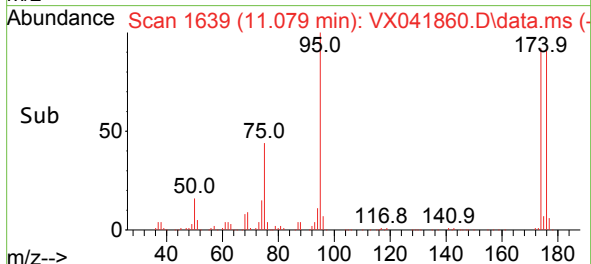
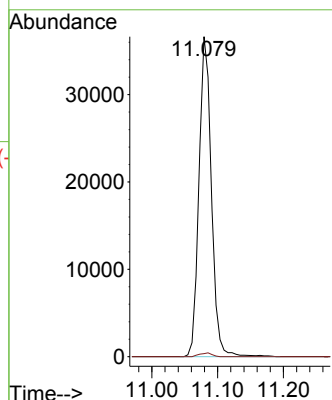
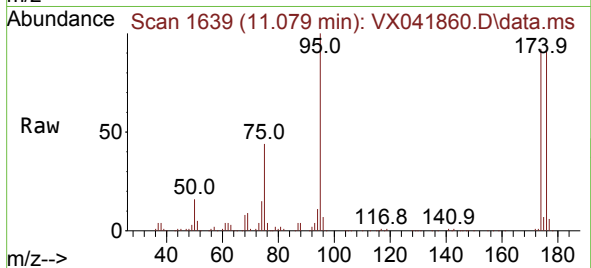
ClientSampleId :

Tgt Ion: 75 Resp: 48242

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.023 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041860.D

Acq: 13 Jun 2024 17:38

Tgt Ion: 75 Resp: 48242

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

