

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041853.D
 Acq On : 13 Jun 2024 14:54
 Operator : JC/MD
 Sample : PB161467ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:58:59 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)

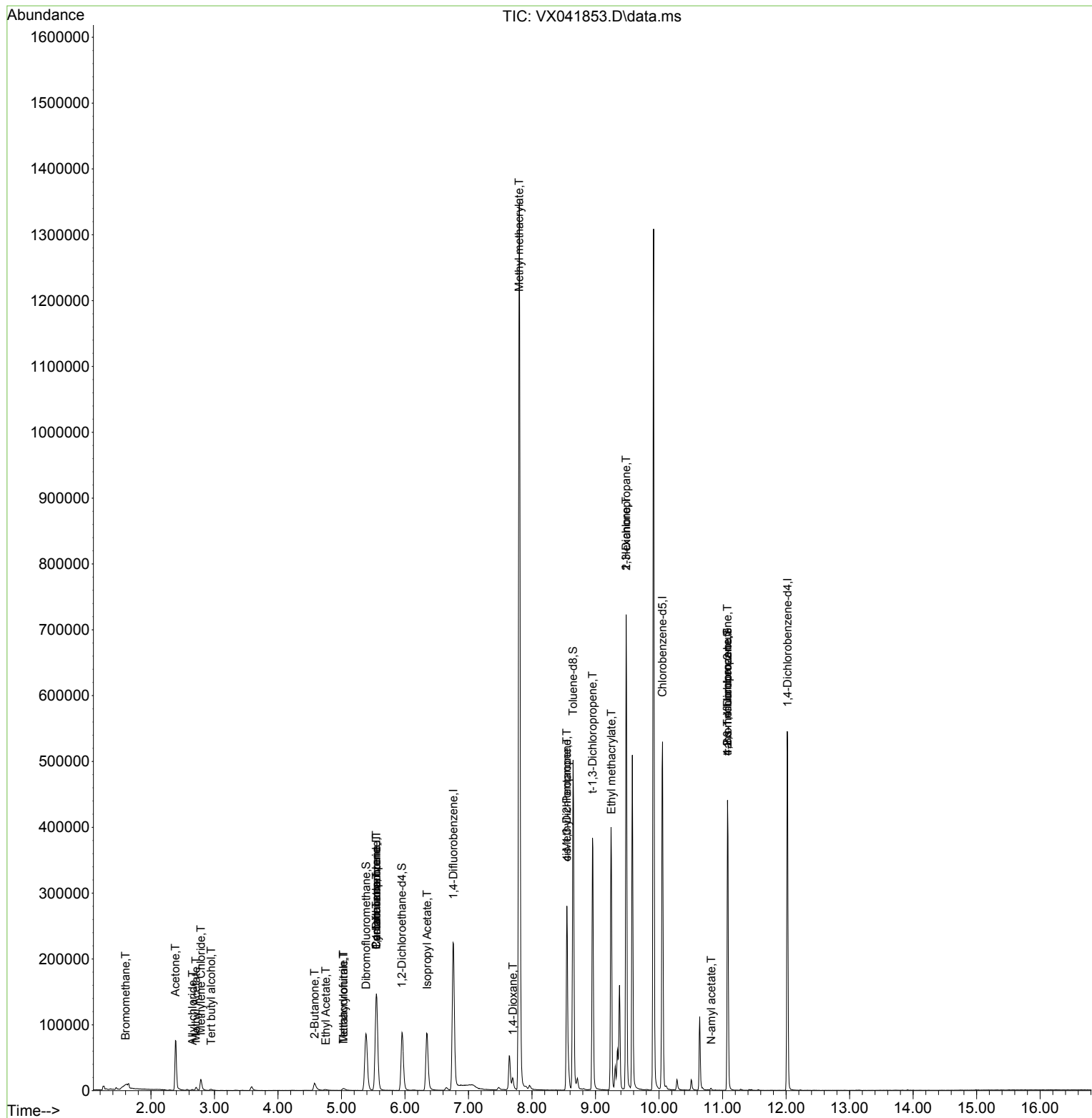
Internal Standards						
1) Pentafluorobenzene	5.550	168	163347	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	254927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83396	41.627	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.260%		
35) Dibromofluoromethane	5.385	113	78185	44.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.720%		
50) Toluene-d8	8.647	98	305499	49.605	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.220%		
62) 4-Bromofluorobenzene	11.079	95	115452	50.793	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.580%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	284	0.253	ug/l	# 76
11) Tert butyl alcohol	2.947	59	1160	3.273	ug/l	# 78
14) Allyl chloride	2.654	41	1514	0.632	ug/l	# 39
16) Acetone	2.386	43	88580	99.039	ug/l	# 89
18) Methyl Acetate	2.709	43	6045	3.160	ug/l	# 98
20) Methylene Chloride	2.788	84	9417	5.253	ug/l	# 87
25) 2-Butanone	4.574	43	21032	16.891	ug/l	# 96
29) Tetrahydrofuran	5.032	42	3378	4.302	ug/l	# 68
31) Cyclohexane	5.550	56	2387	1.009	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9760	4.573	ug/l	# 50
37) Ethyl Acetate	4.751	43	3377	1.254	ug/l	# 91
38) Carbon Tetrachloride	5.550	117	13351	5.506	ug/l	# 16
41) Methacrylonitrile	5.032	41	1879	1.426	ug/l	# 46
43) Isopropyl Acetate	6.348	43	122324	30.081	ug/l	# 94
48) Methyl methacrylate	7.799	41	110923	56.801	ug/l	# 45
49) 1,4-Dioxane	7.702	88	19	0.445	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.549	43	100400	38.075	ug/l	# 49
53) t-1,3-Dichloropropene	8.952	75	866	0.391	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47477	19.356	ug/l	# 51
56) Ethyl methacrylate	9.250	69	1290	0.495	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	6562	2.316	ug/l	# 42
59) 2-Hexanone	9.482	43	83279	41.424	ug/l	# 55
74) N-amyl acetate	10.823	43	1008	0.281	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	53435	23.487	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	53435	64.014	ug/l	# 5

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

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Sample : PB161467ZHE#08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 14 00:58:59 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

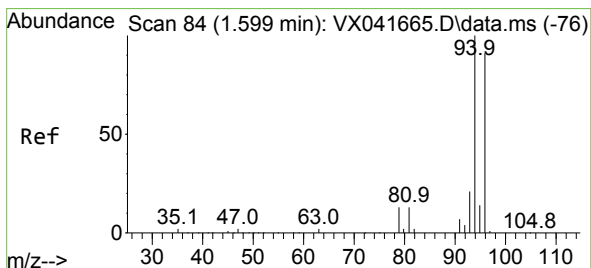
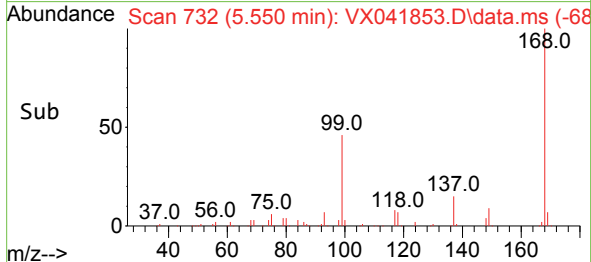
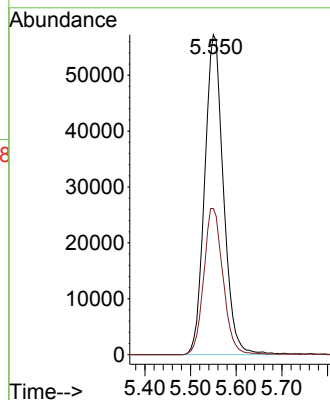
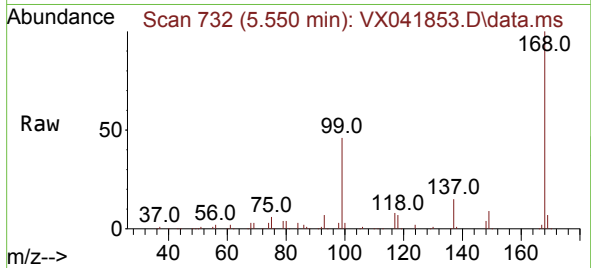




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

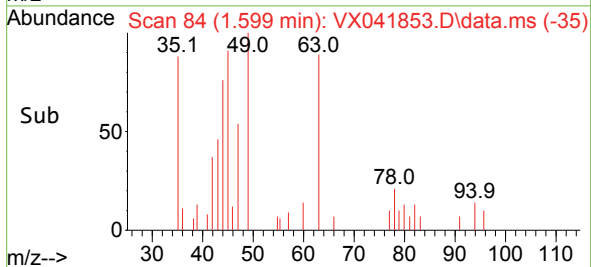
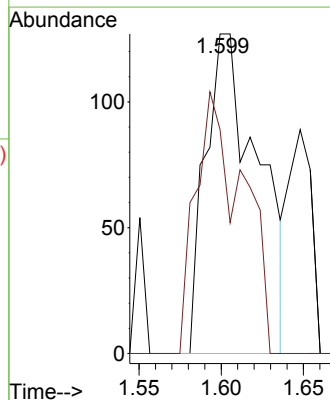
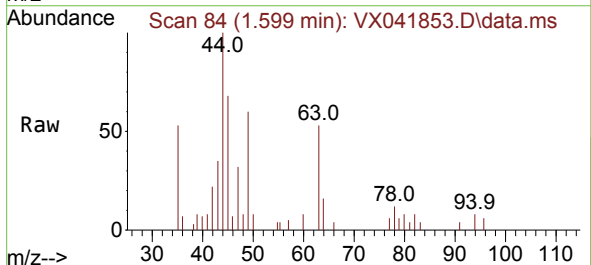
Instrument :
MSVOA_X
ClientSampleId :

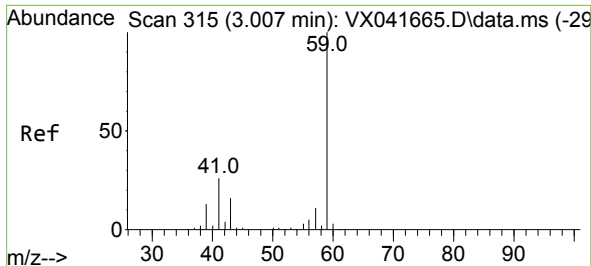
Tgt Ion:168 Resp: 163347
Ion Ratio Lower Upper
168 100
99 45.7 56.6 85.0#



#5
Bromomethane
Concen: 0.253 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

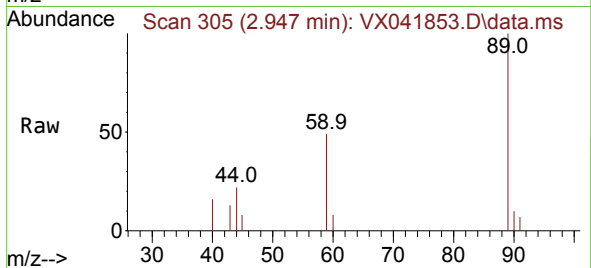
Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 70.1 74.6 111.8#



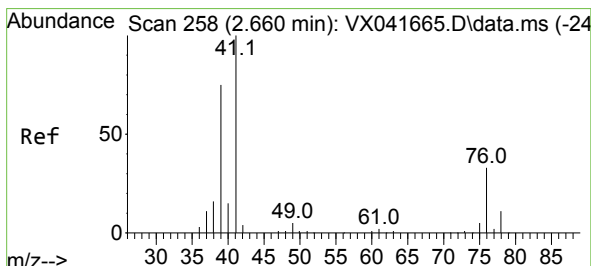
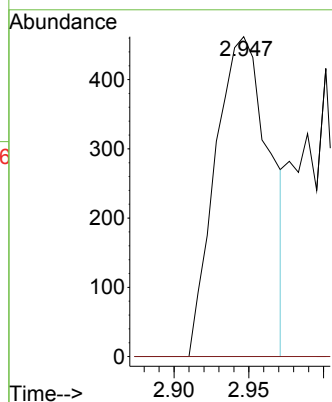
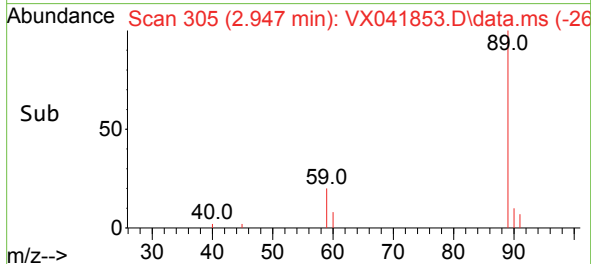


#11
Tert butyl alcohol
Concen: 3.273 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.061 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

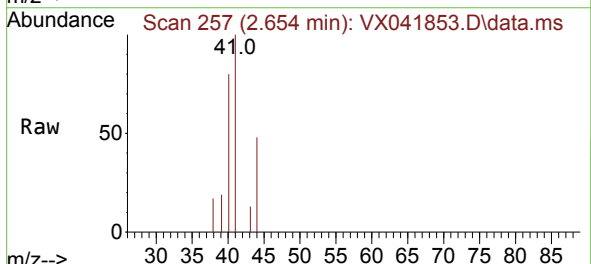
Instrument :
MSVOA_X
ClientSampleId :



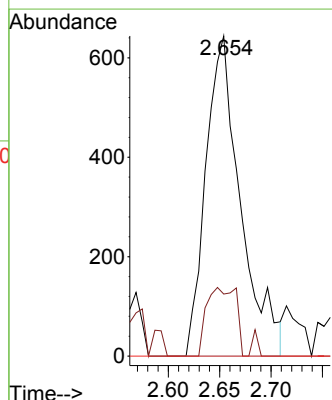
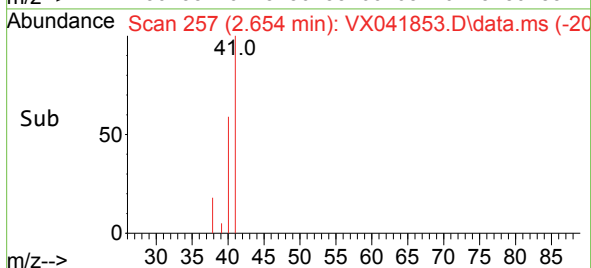
Tgt Ion: 59 Resp: 1160
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

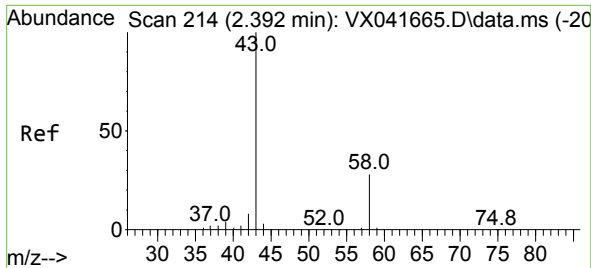


#14
Allyl chloride
Concen: 0.632 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54



Tgt Ion: 41 Resp: 1514
Ion Ratio Lower Upper
41 100
39 18.1 55.8 83.6#
76 0.0 24.3 36.5#





#16

Acetone

Concen: 99.039 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041853.D

Acq: 13 Jun 2024 14:54

Instrument :

MSVOA_X

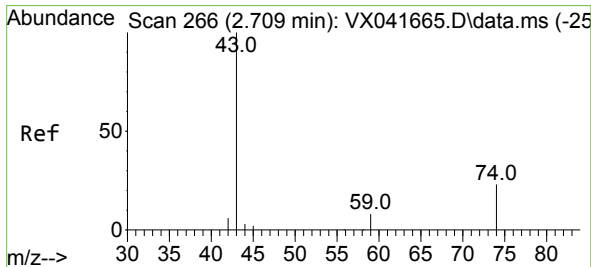
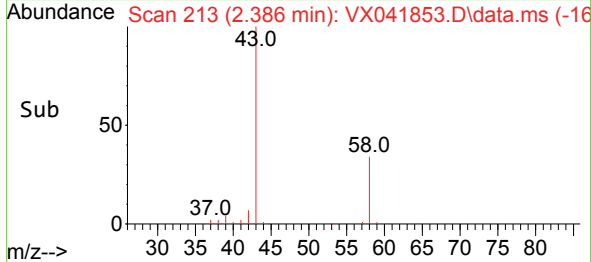
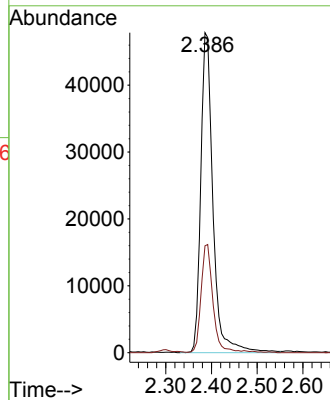
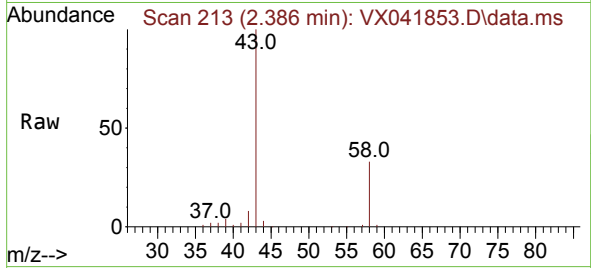
ClientSampleId :

Tgt Ion: 43 Resp: 88580

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#



#18

Methyl Acetate

Concen: 3.160 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041853.D

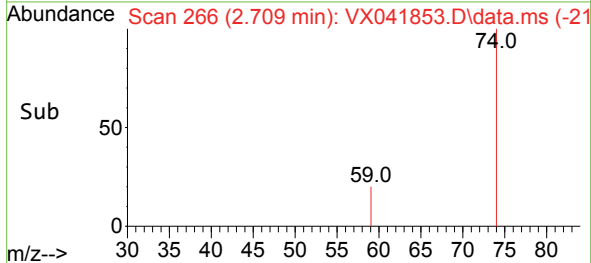
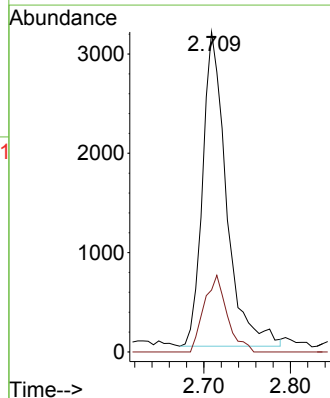
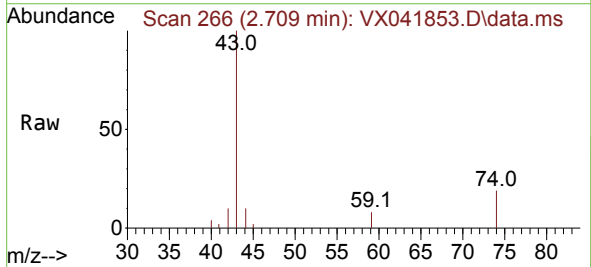
Acq: 13 Jun 2024 14:54

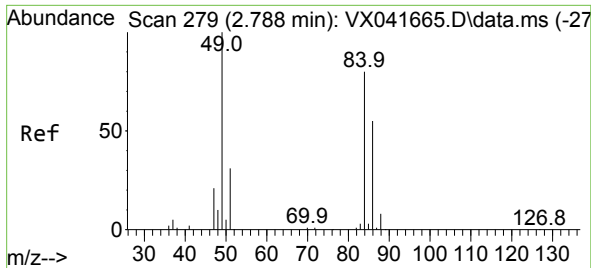
Tgt Ion: 43 Resp: 6045

Ion Ratio Lower Upper

43 100

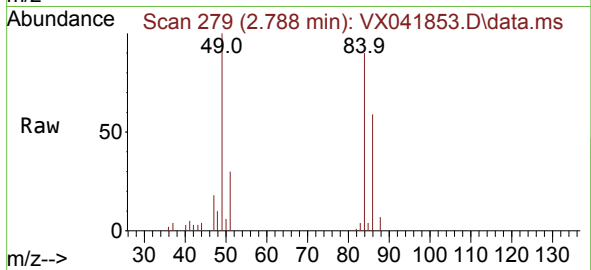
74 23.5 17.8 26.8



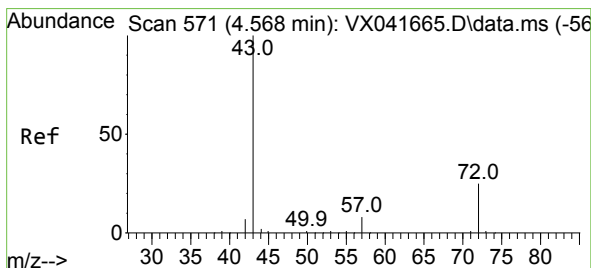
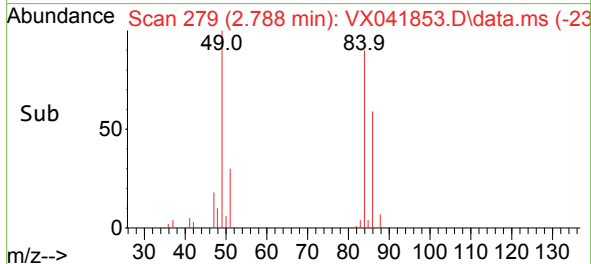
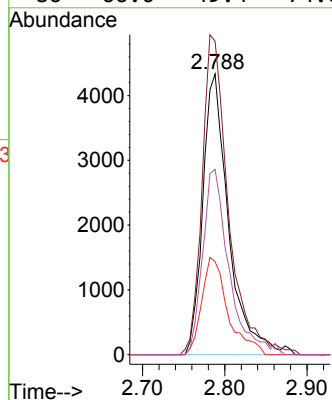


#20
Methylene Chloride
Concen: 5.253 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :

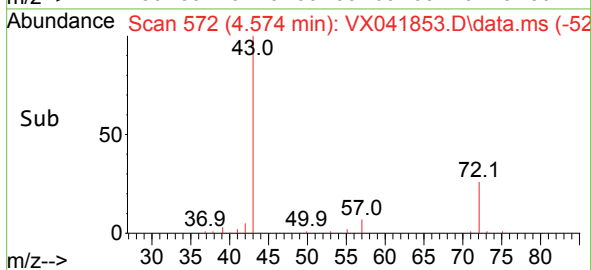
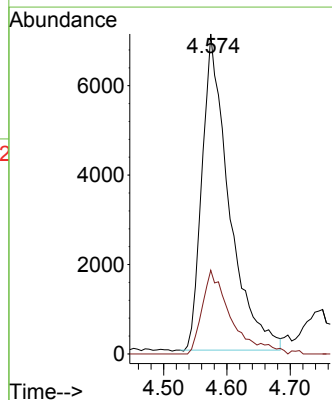
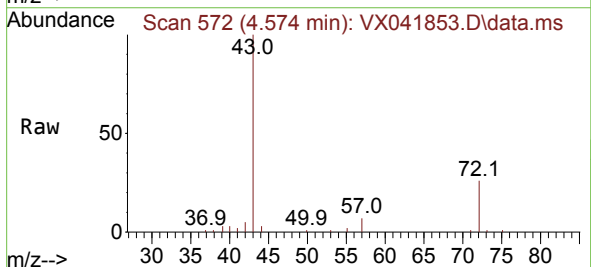


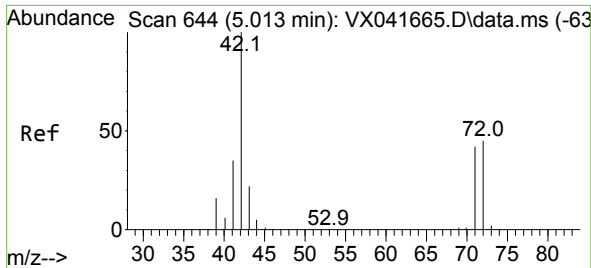
Tgt Ion:	84	Resp:	9417
Ion	Ratio	Lower	Upper
84	100		
49	111.6	103.6	155.4
51	33.1	33.8	50.6#
86	66.0	49.4	74.0



#25
2-Butanone
Concen: 16.891 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion:	43	Resp:	21032
Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.302 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041853.D

Acq: 13 Jun 2024 14:54

Instrument :

MSVOA_X

ClientSampleId :

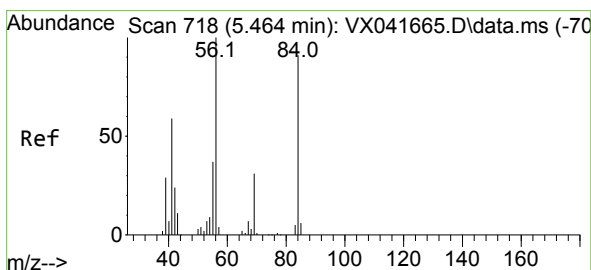
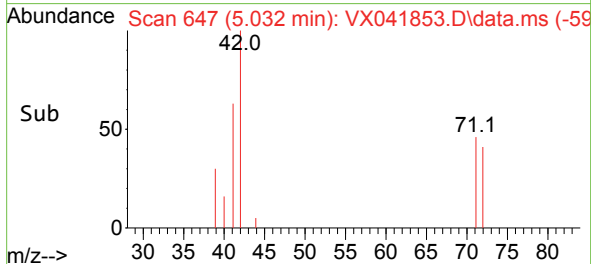
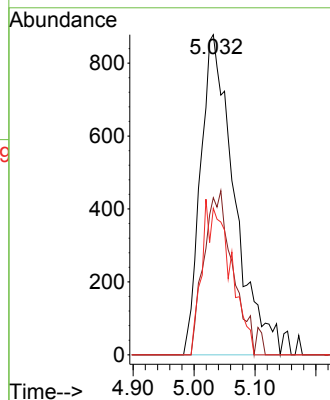
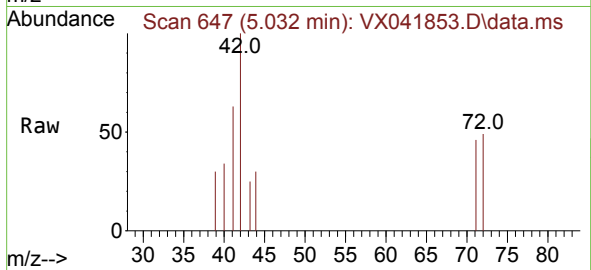
Tgt Ion: 42 Resp: 3378

Ion Ratio Lower Upper

42 100

72 43.5 34.2 51.4

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041853.D

Acq: 13 Jun 2024 14:54

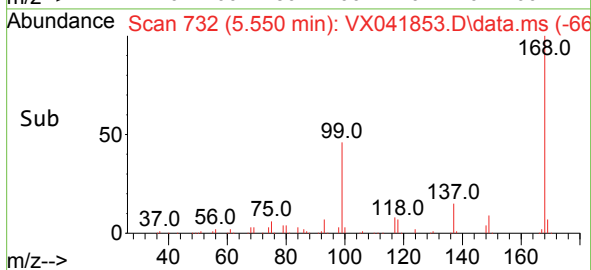
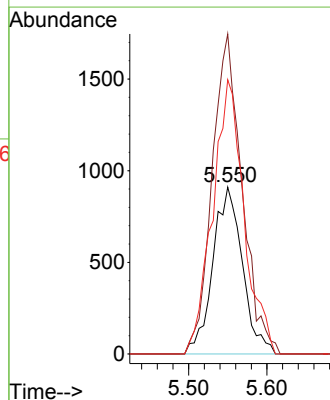
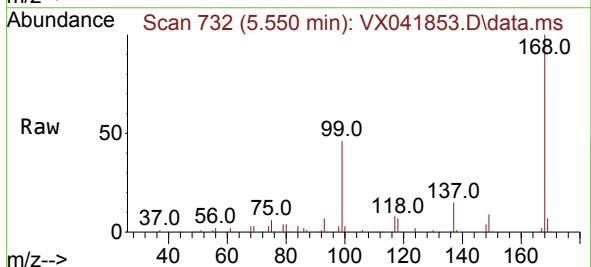
Tgt Ion: 56 Resp: 2387

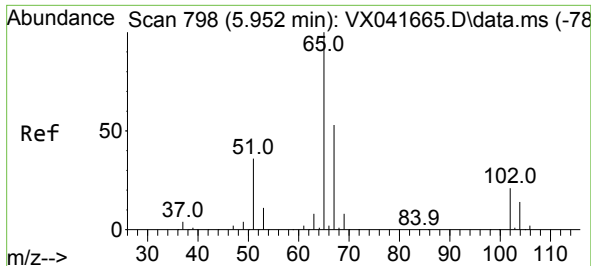
Ion Ratio Lower Upper

56 100

69 191.7 23.4 35.2#

84 164.2 65.9 98.9#

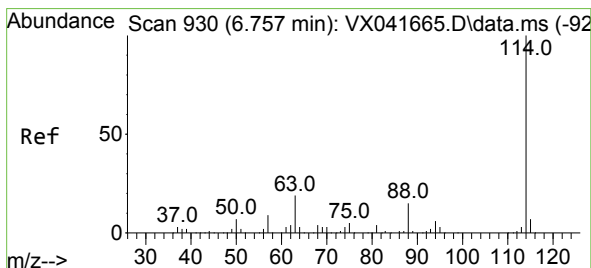
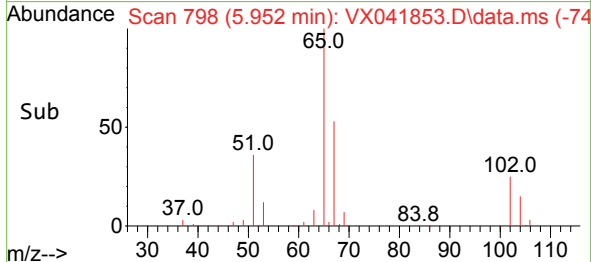
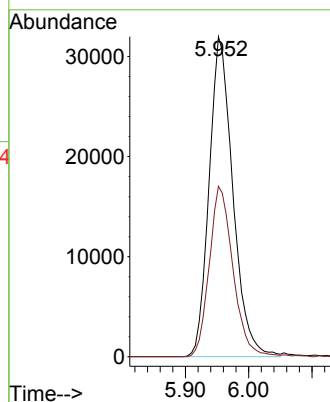
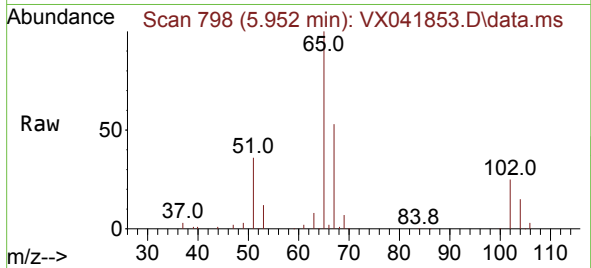




#33
 1,2-Dichloroethane-d4
 Concen: 41.627 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041853.D
 Acq: 13 Jun 2024 14:54

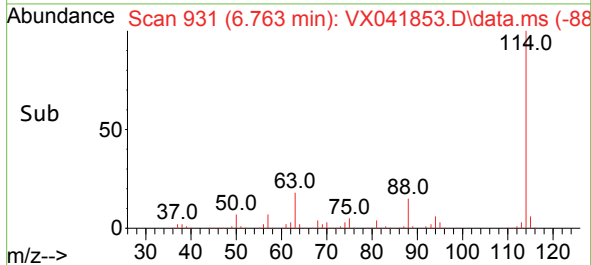
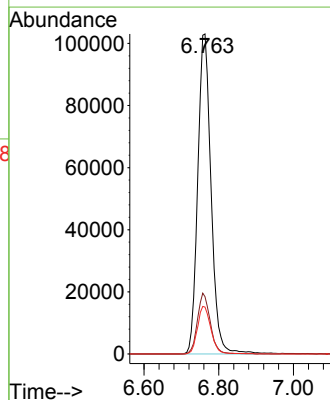
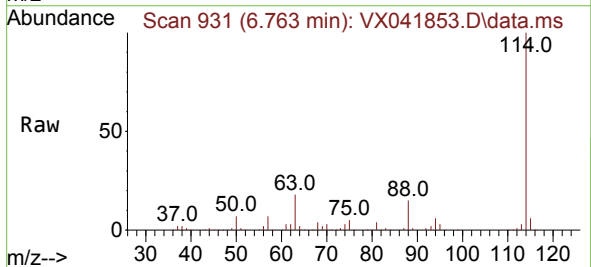
Instrument :
 MSVOA_X
 ClientSampleId :

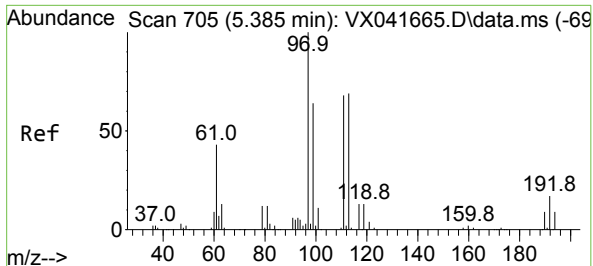
Tgt Ion: 65 Resp: 83396
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX041853.D
 Acq: 13 Jun 2024 14:54

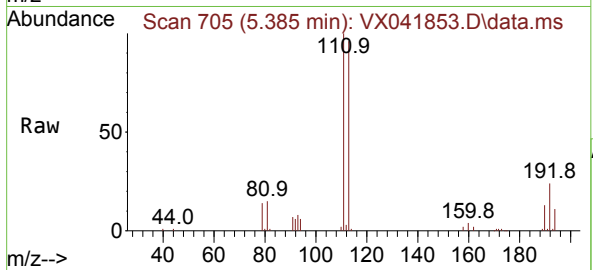
Tgt Ion: 114 Resp: 254927
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 14.7 0.0 36.6



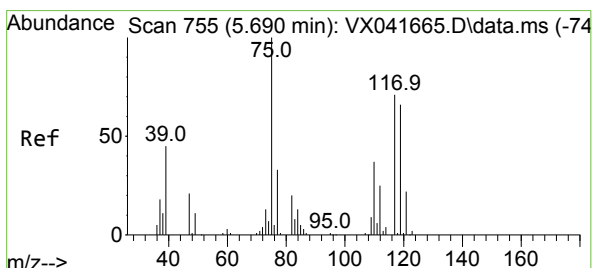
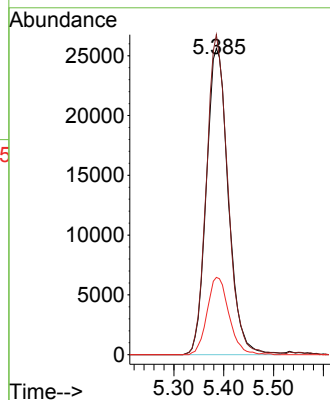
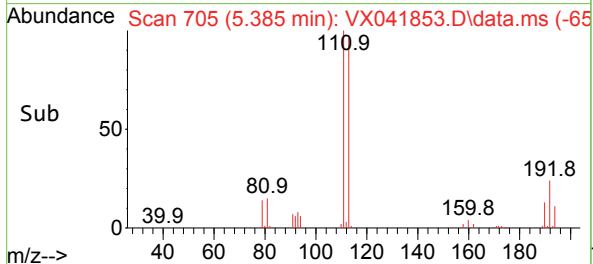


#35
Dibromofluoromethane
Concen: 44.359 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :

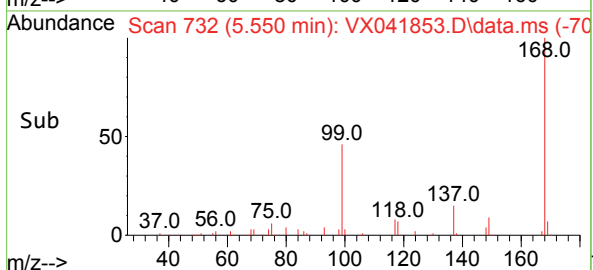
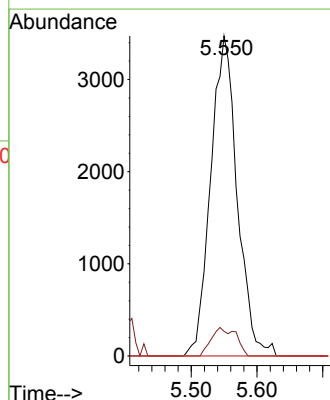
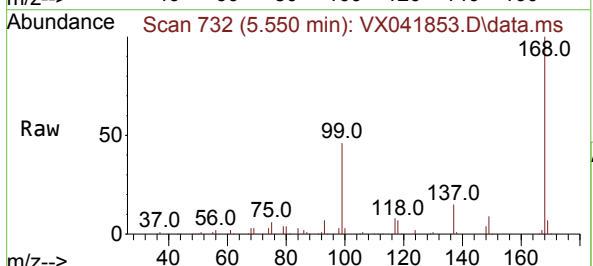


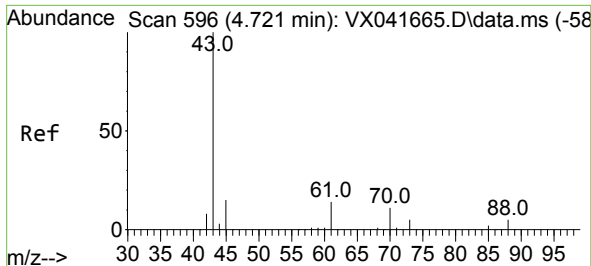
Tgt Ion:113 Resp: 78185
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 25.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

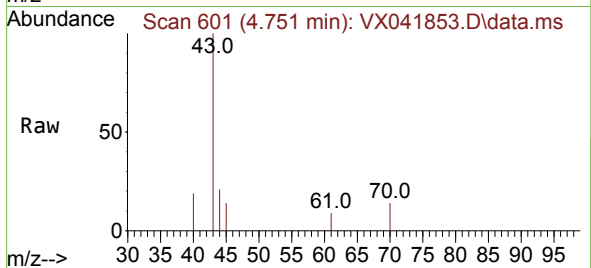
Tgt Ion: 75 Resp: 9760
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



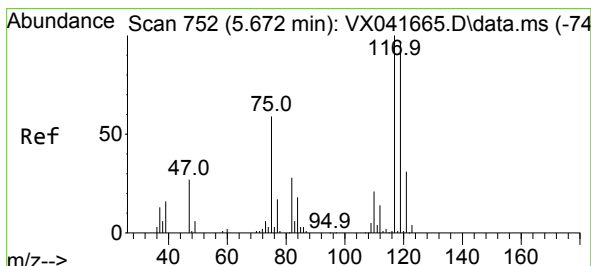
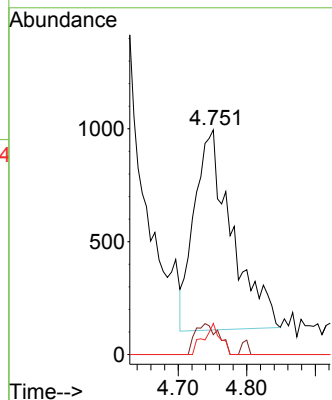
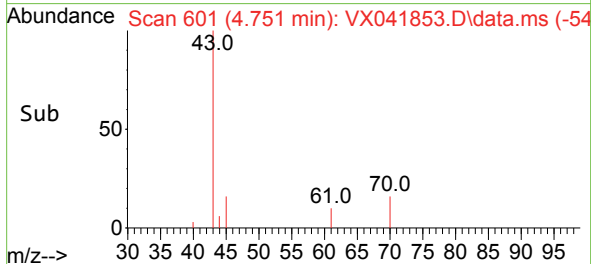


#37
Ethyl Acetate
Concen: 1.254 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

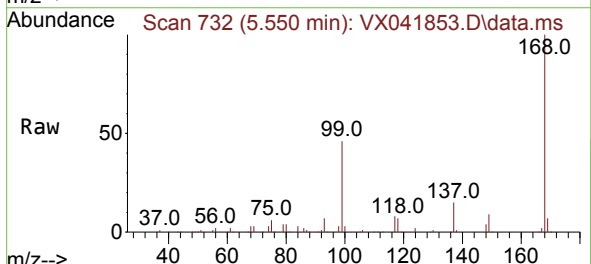
Instrument :
MSVOA_X
ClientSampleId :



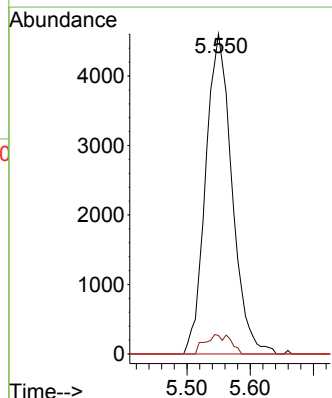
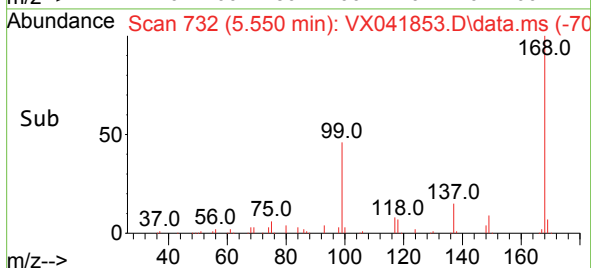
Tgt Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
61 9.7 10.6 16.0#
70 7.0 8.3 12.5#

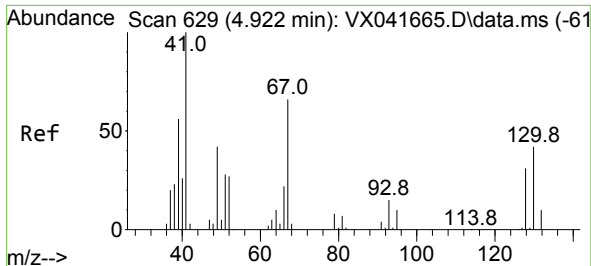


#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54



Tgt Ion: 117 Resp: 13351
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

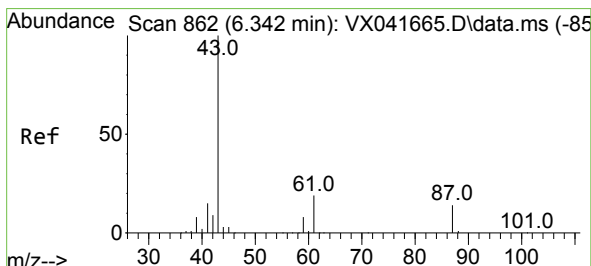
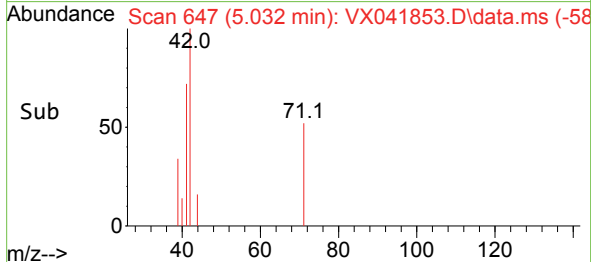
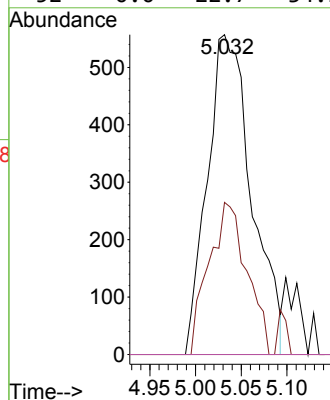
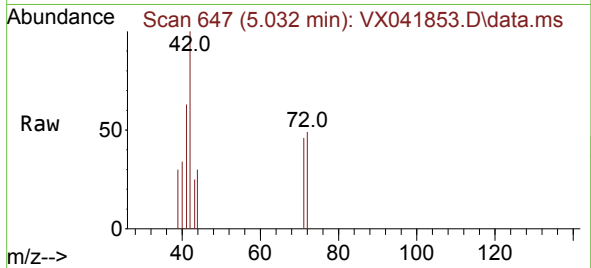




#41
Methacrylonitrile
Concen: 1.426 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

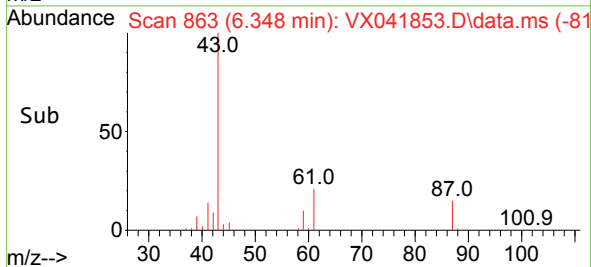
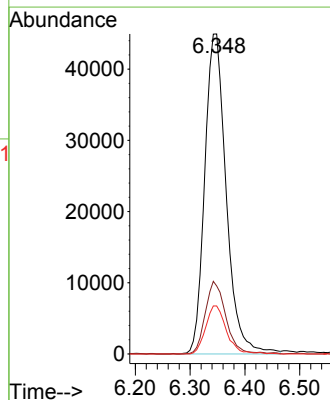
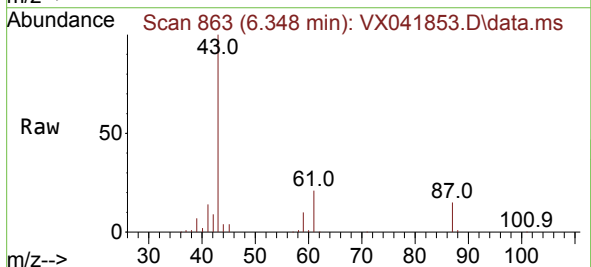
Instrument :
MSVOA_X
ClientSampleId :

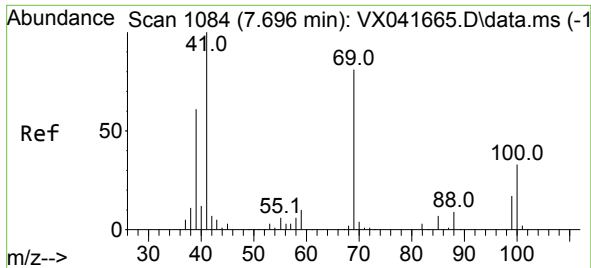
Tgt Ion: 41 Resp: 1879
Ion Ratio Lower Upper
41 100
39 40.9 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 30.081 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 43 Resp: 122324
Ion Ratio Lower Upper
43 100
61 21.7 15.2 22.8
87 14.5 9.8 14.6

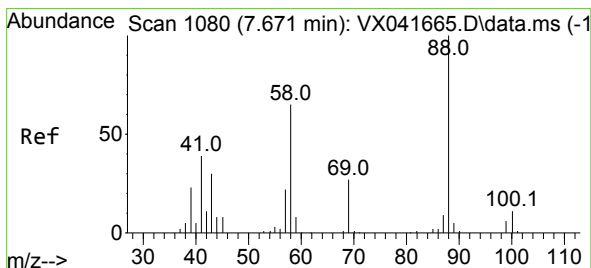
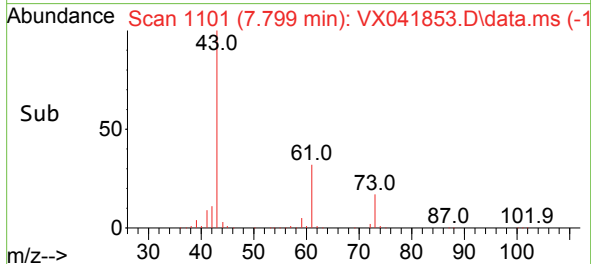
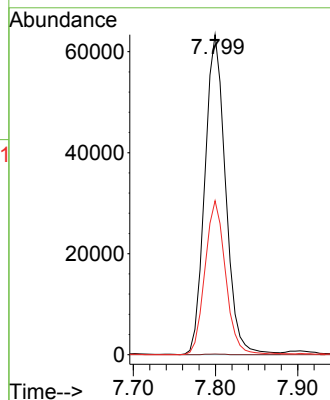
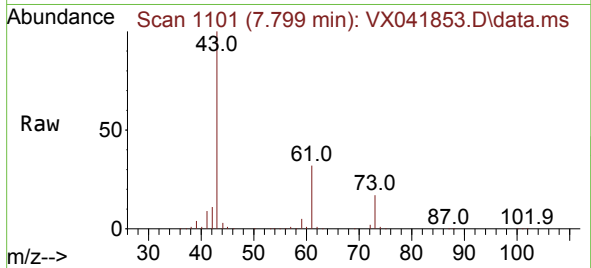




#48
Methyl methacrylate
Concen: 56.801 ug/l
RT: 7.799 min Scan# 1109
Delta R.T. 0.104 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

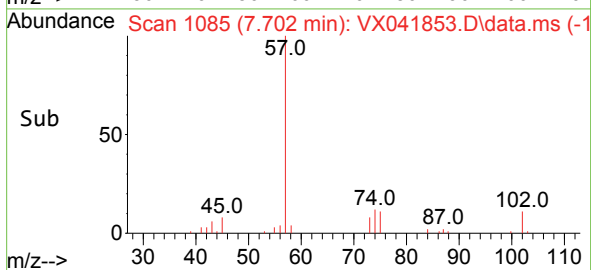
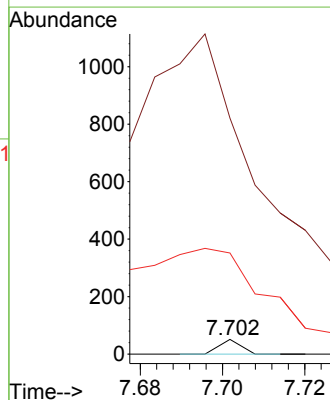
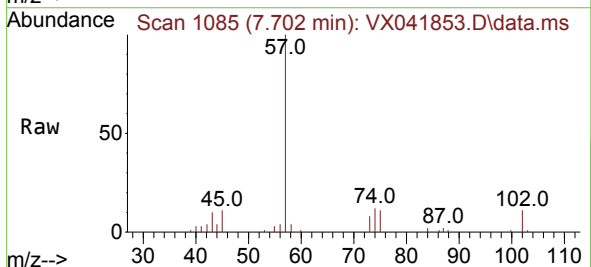
Instrument :
MSVOA_X
ClientSampleId :

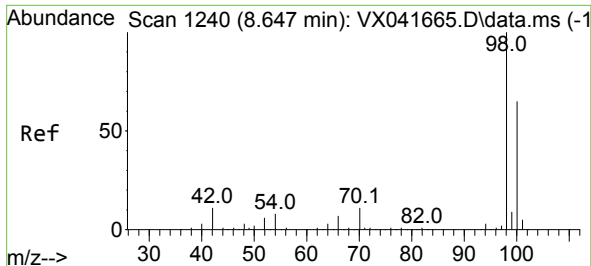
Tgt Ion: 41 Resp: 110923
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 47.7 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.445 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.031 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

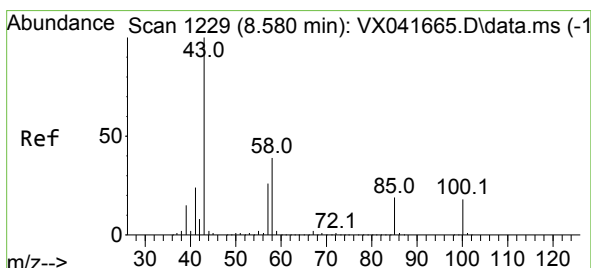
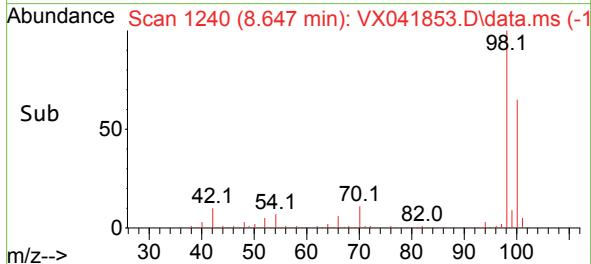
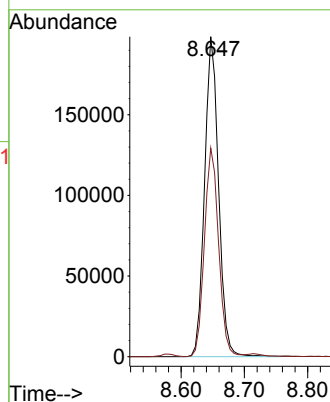
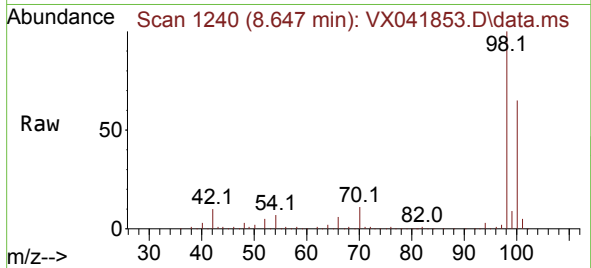




#50
Toluene-d8
Concen: 49.605 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

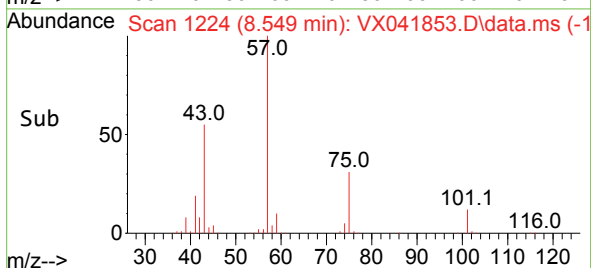
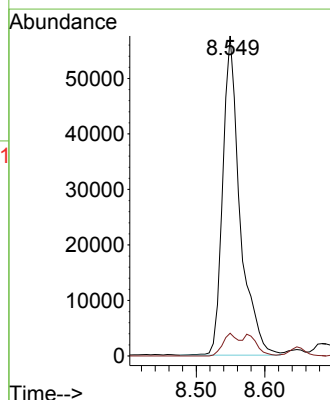
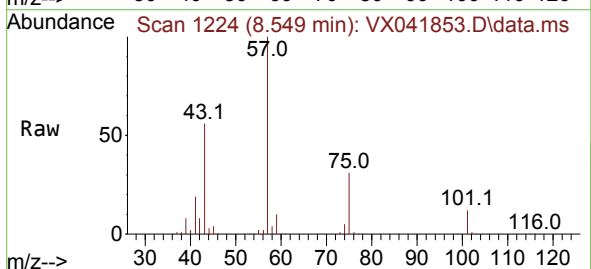
Instrument :
MSVOA_X
ClientSampleId :

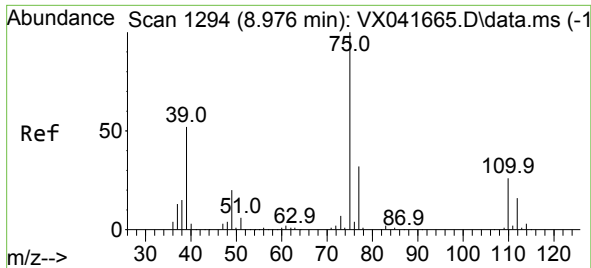
Tgt Ion: 98 Resp: 305499
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 38.075 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 43 Resp: 100400
Ion Ratio Lower Upper
43 100
58 7.0 30.4 45.6#

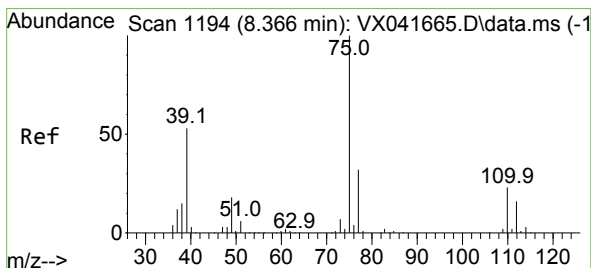
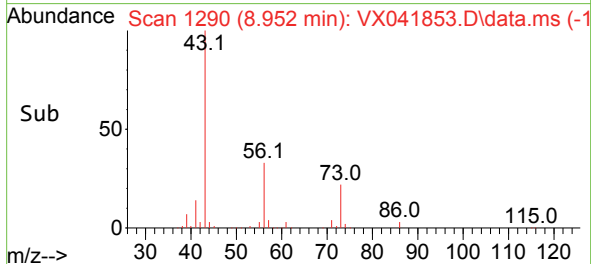
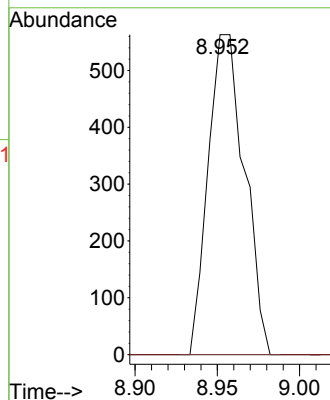
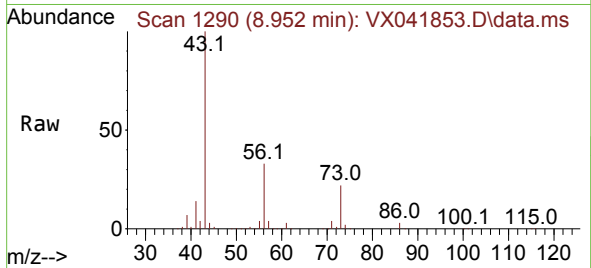




#53
t-1,3-Dichloropropene
Concen: 0.391 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

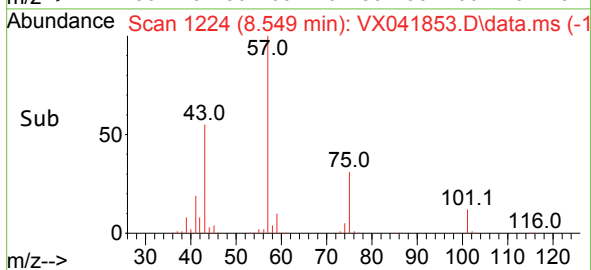
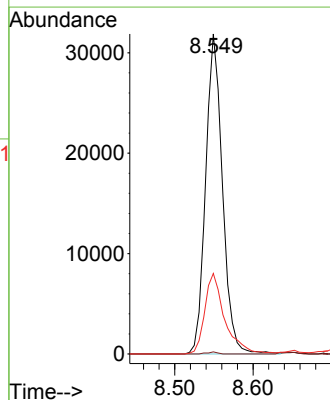
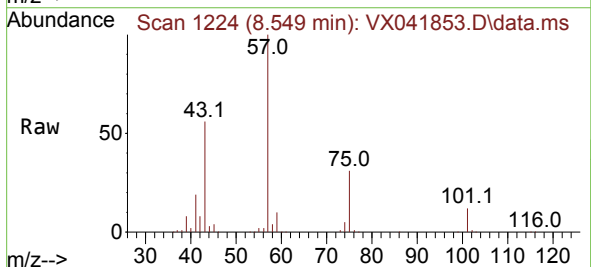
Instrument :
MSVOA_X
ClientSampleId :

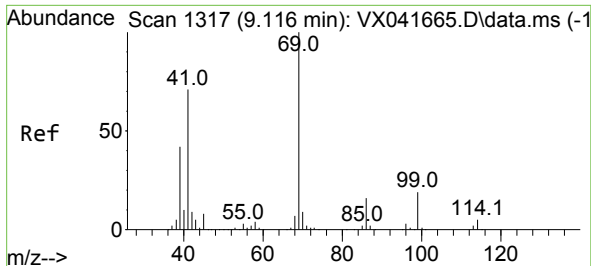
Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 19.356 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 75 Resp: 47477
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 25.1 46.7 70.1#

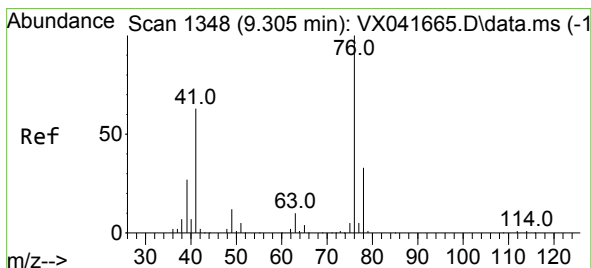
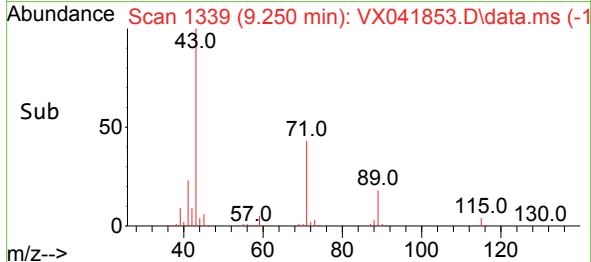
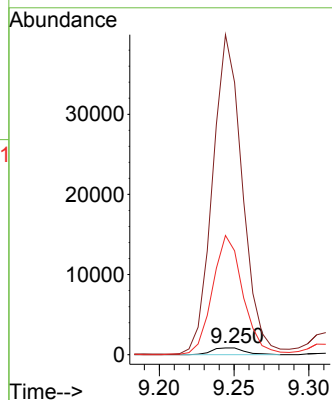
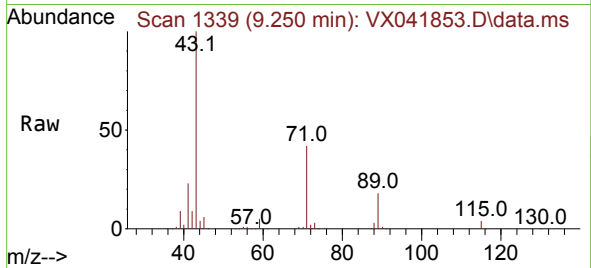




#56
Ethyl methacrylate
Concen: 0.495 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

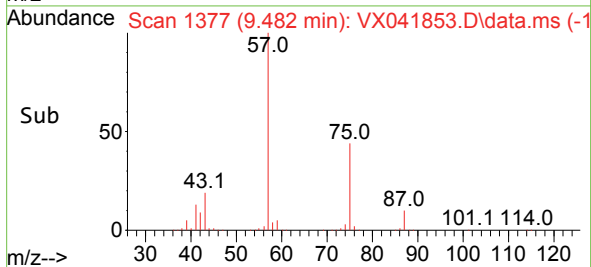
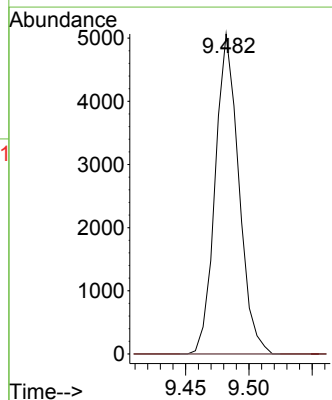
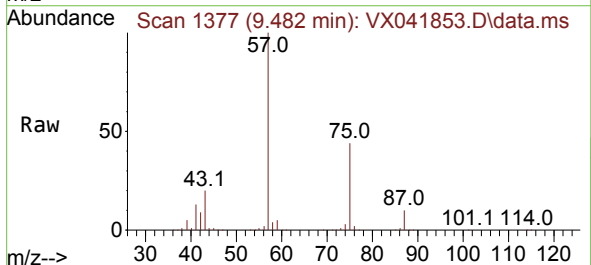
Instrument :
MSVOA_X
ClientSampleId :

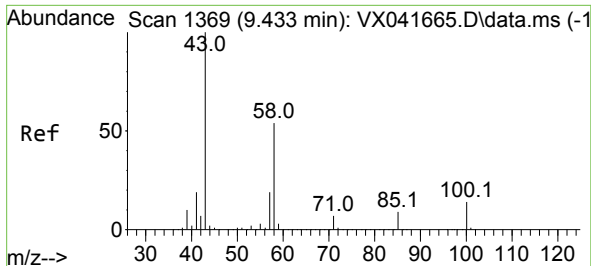
Tgt Ion: 69 Resp: 1290
Ion Ratio Lower Upper
69 100
41 4286.7 56.8 85.2#
39 1644.5 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 2.316 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 76 Resp: 6562
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

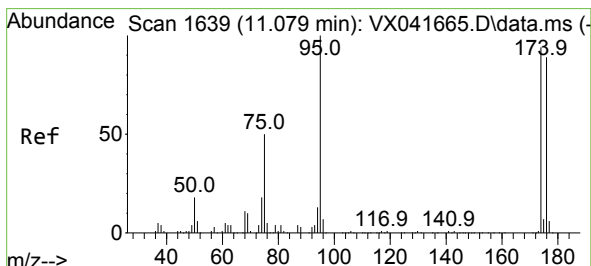
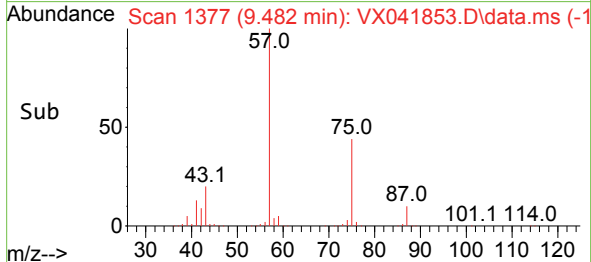
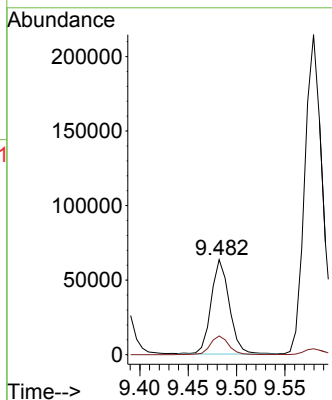
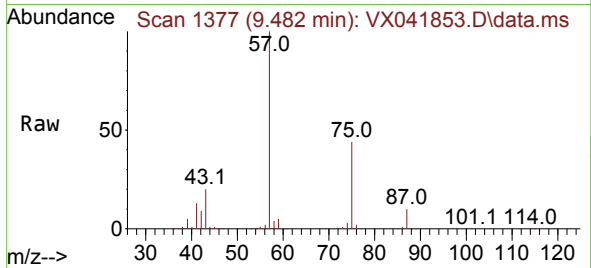




#59
2-Hexanone
Concen: 41.424 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

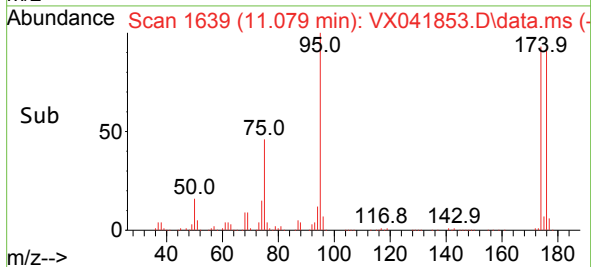
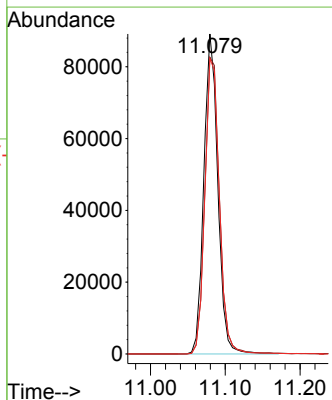
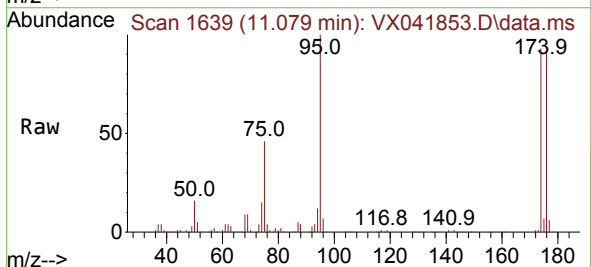
Instrument :
MSVOA_X
ClientSampleId :

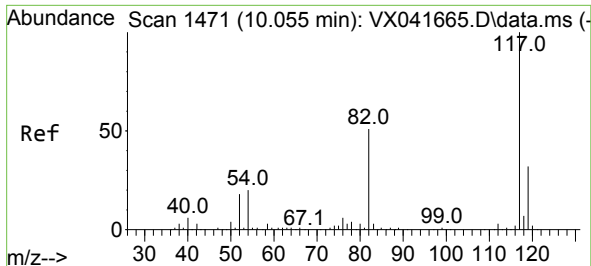
Tgt Ion: 43 Resp: 83279
Ion Ratio Lower Upper
43 100
58 20.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion: 95 Resp: 115452
Ion Ratio Lower Upper
95 100
174 96.9 0.0 135.6
176 95.9 0.0 131.0

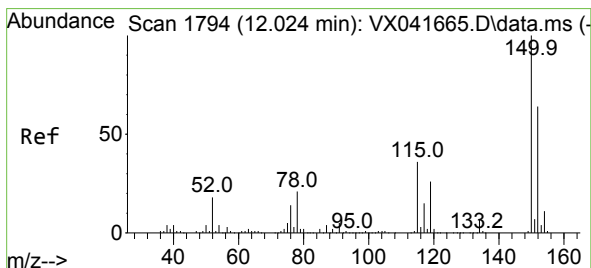
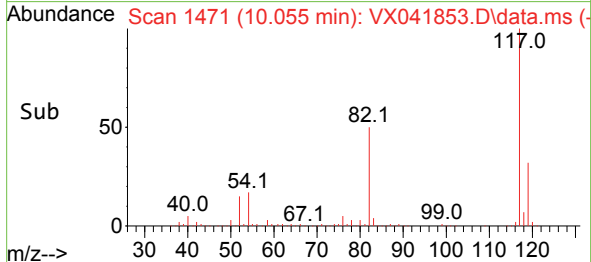
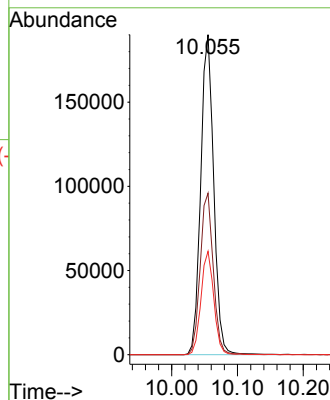
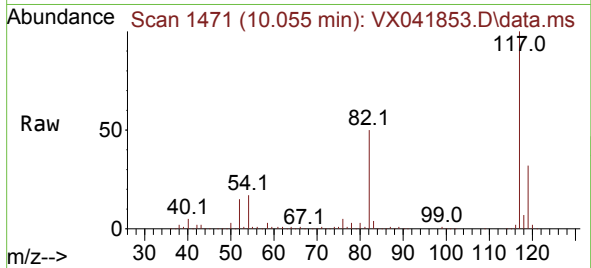




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

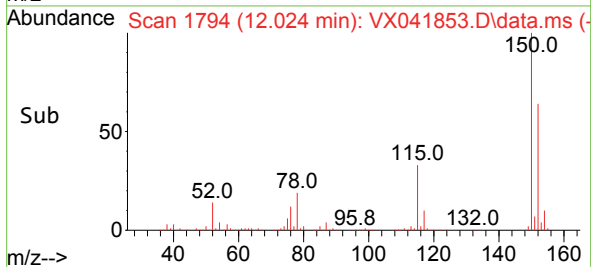
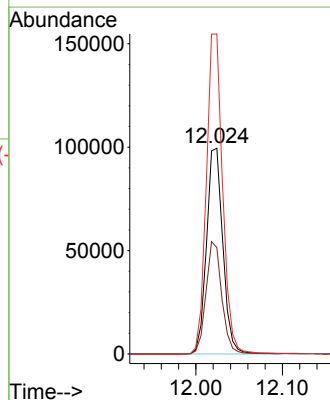
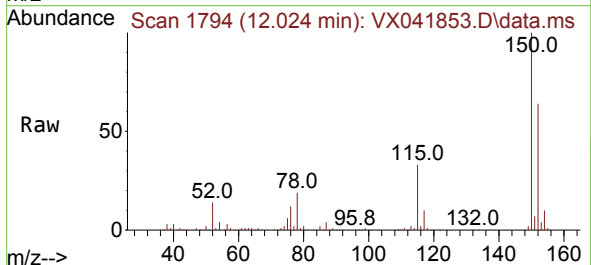
Instrument :
MSVOA_X
ClientSampleId :

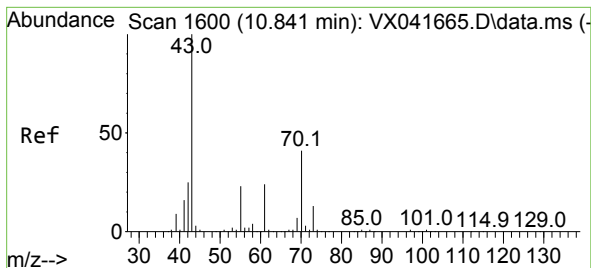
Tgt Ion:117 Resp: 260408
Ion Ratio Lower Upper
117 100
82 50.5 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041853.D
Acq: 13 Jun 2024 14:54

Tgt Ion:152 Resp: 130393
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 155.8 0.0 345.0





#74

N-amy1 acetate

Concen: 0.281 ug/l

RT: 10.823 min Scan# 1

Delta R.T. -0.018 min

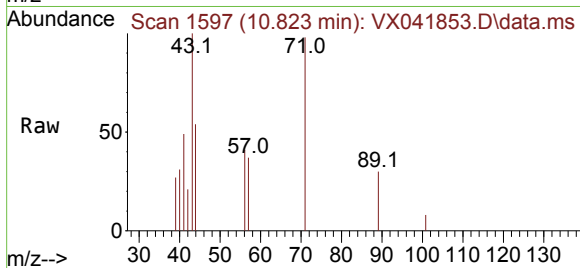
Lab File: VX041853.D

Acq: 13 Jun 2024 14:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1008

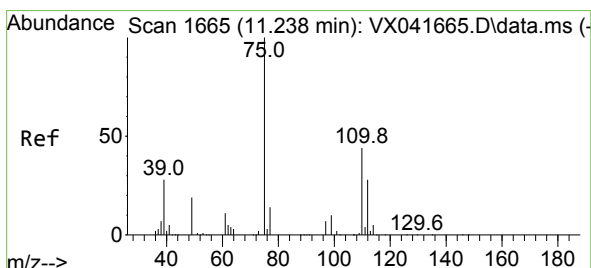
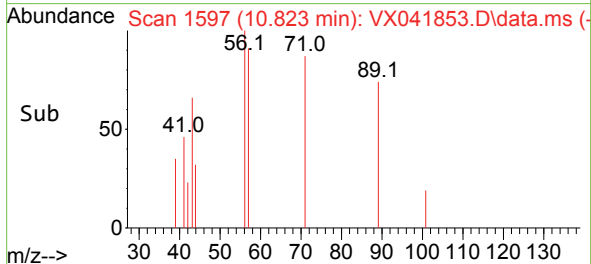
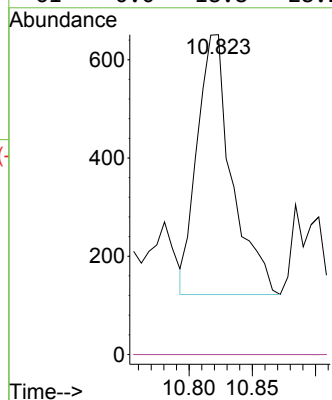
Ion Ratio Lower Upper

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: 23.487 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041853.D

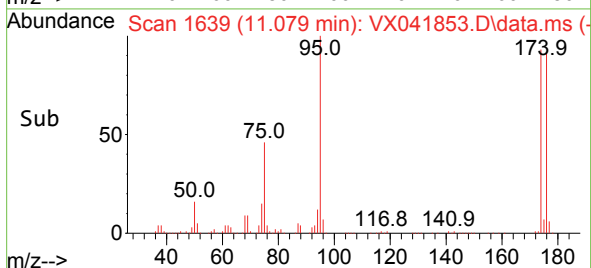
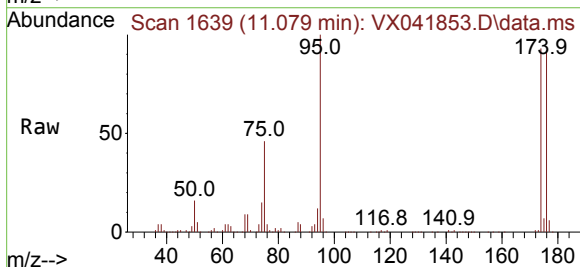
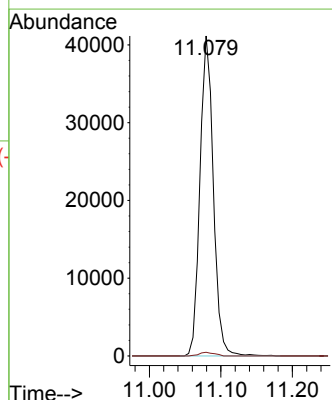
Acq: 13 Jun 2024 14:54

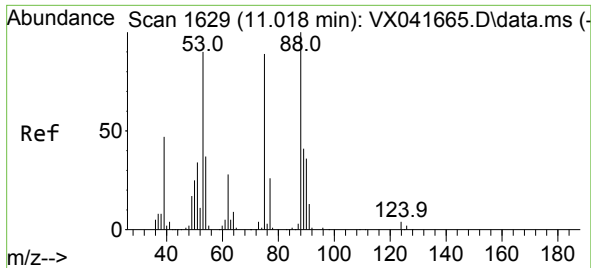
Tgt Ion: 75 Resp: 53435

Ion Ratio Lower Upper

75 100

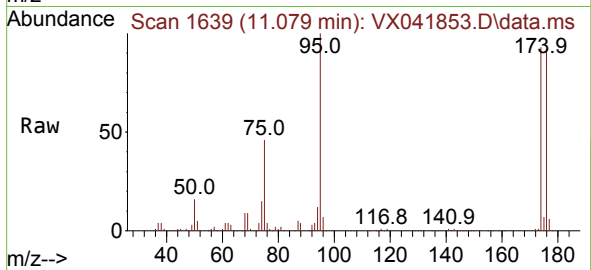
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.014 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041853.D
 Acq: 13 Jun 2024 14:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 53435
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

