

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041852.D
 Acq On : 13 Jun 2024 14:31
 Operator : JC/MD
 Sample : PB161467ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:58:30 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)

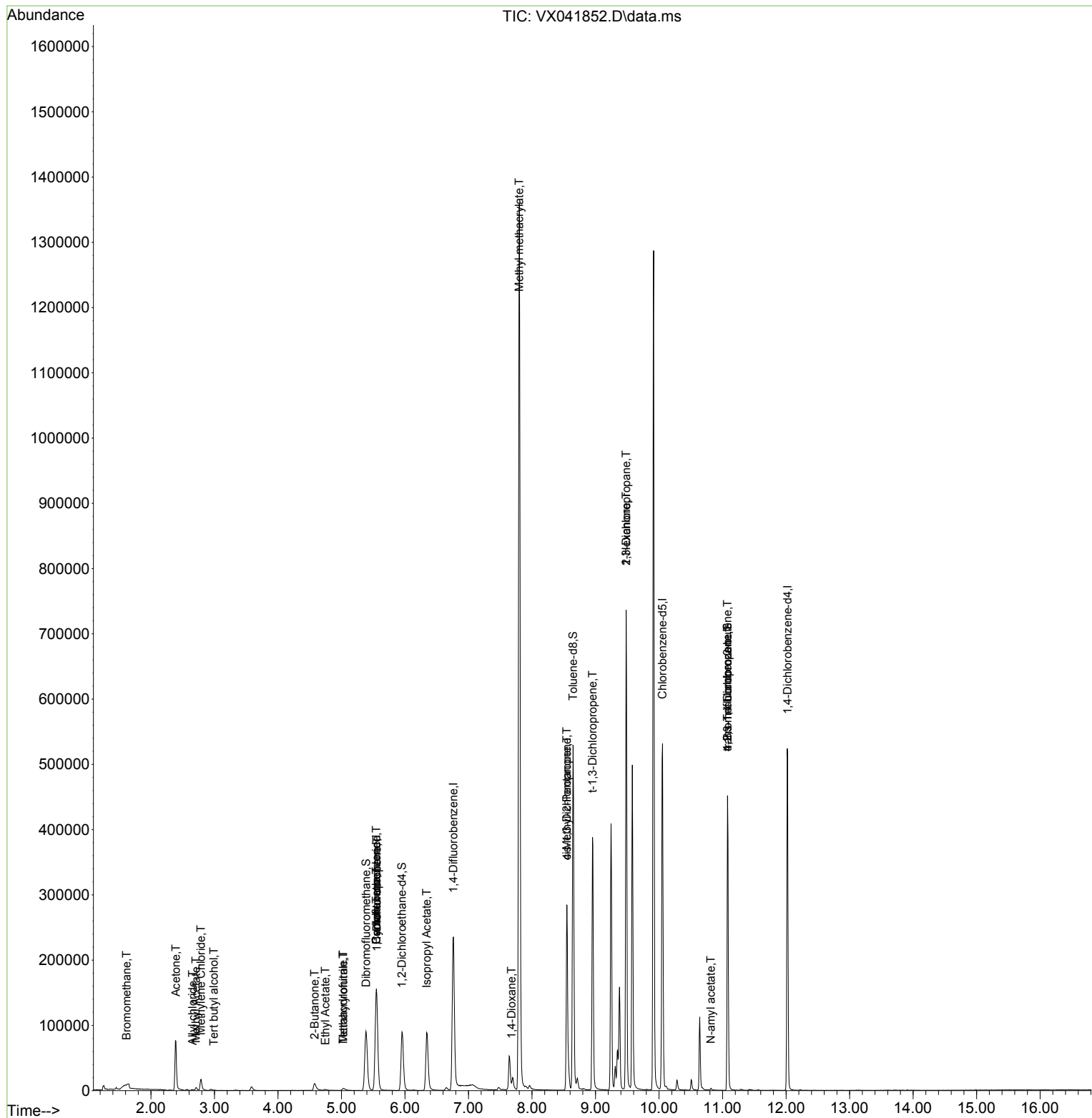
Internal Standards						
1) Pentafluorobenzene	5.550	168	173824	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	267393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86120	40.396	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.800%		
35) Dibromofluoromethane	5.385	113	82158	44.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.880%		
50) Toluene-d8	8.647	98	320182	49.566	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.140%		
62) 4-Bromofluorobenzene	11.079	95	116731	48.961	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.920%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	302	0.253	ug/l	# 3
11) Tert butyl alcohol	2.989	59	746	1.978	ug/l	# 78
14) Allyl chloride	2.654	41	1557	0.611	ug/l	# 43
16) Acetone	2.392	43	88281	92.514	ug/l	91
18) Methyl Acetate	2.709	43	5572	2.737	ug/l	95
20) Methylene Chloride	2.788	84	9594	5.029	ug/l	# 91
25) 2-Butanone	4.574	43	21467	16.202	ug/l	94
29) Tetrahydrofuran	5.025	42	3447	4.125	ug/l	98
31) Cyclohexane	5.550	56	2311	0.918	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	9857	4.403	ug/l	# 46
37) Ethyl Acetate	4.745	43	3187	1.128	ug/l	# 83
38) Carbon Tetrachloride	5.550	117	14308	5.626	ug/l	# 16
41) Methacrylonitrile	5.025	41	2059	1.490	ug/l	# 47
43) Isopropyl Acetate	6.342	43	125465	29.415	ug/l	96
48) Methyl methacrylate	7.799	41	112270	54.811	ug/l	# 45
49) 1,4-Dioxane	7.677	88	21	0.469	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	102176	36.942	ug/l	# 47
53) t-1,3-Dichloropropene	8.952	75	908	0.390	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47852	18.600	ug/l	# 53
57) 1,3-Dichloropropane	9.482	76	6520	2.194	ug/l	# 42
59) 2-Hexanone	9.482	43	84016	39.843	ug/l	# 55
74) N-amyl acetate	10.817	43	1052	0.301	ug/l	# 49
76) 1,2,3-Trichloropropane	11.079	75	54420	24.562	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	54420	66.944	ug/l	# 5

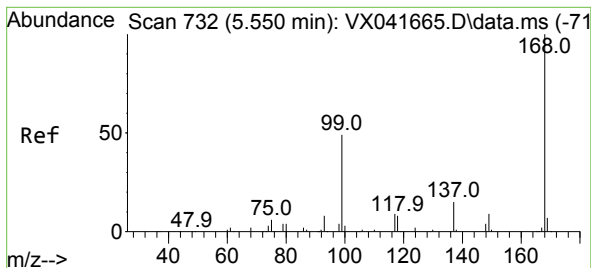
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

Instrument :

MSVOA_X

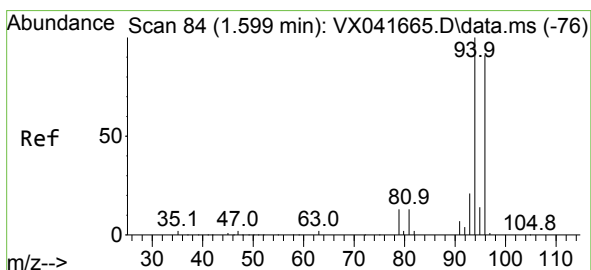
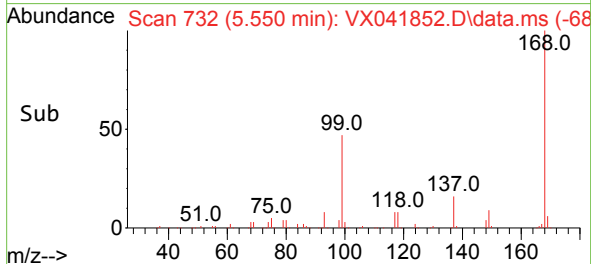
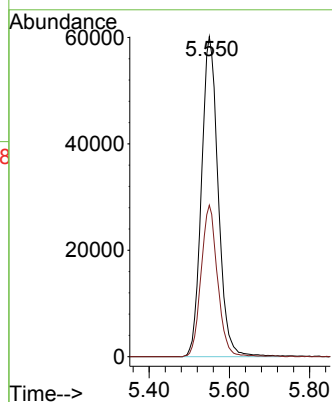
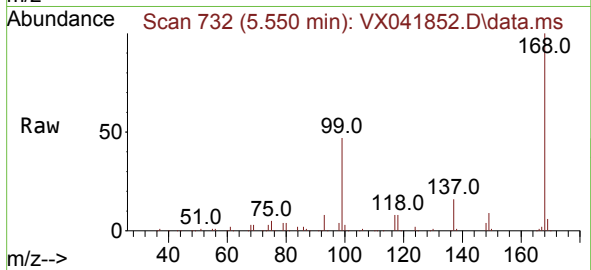
ClientSampleId :

Tgt Ion:168 Resp: 173824

Ion Ratio Lower Upper

168 100

99 47.4 56.6 85.0#



#5

Bromomethane

Concen: 0.253 ug/l

RT: 1.618 min Scan# 87

Delta R.T. 0.018 min

Lab File: VX041852.D

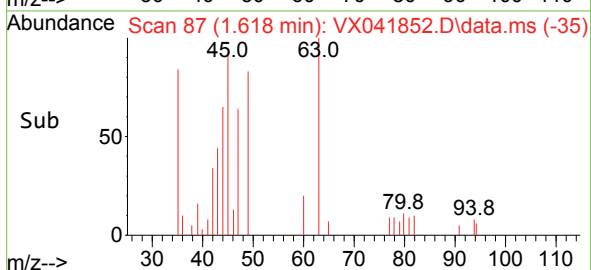
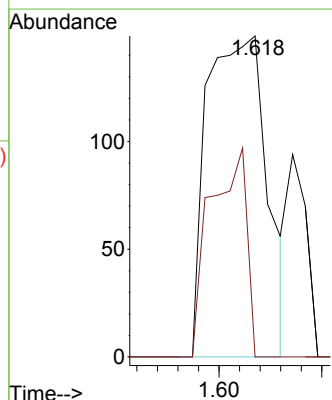
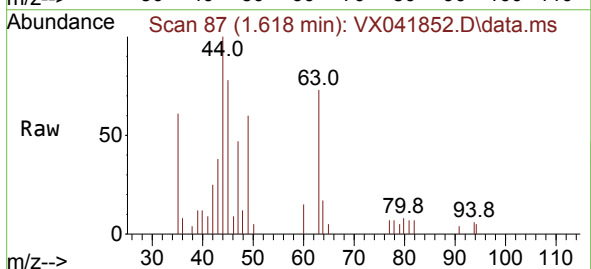
Acq: 13 Jun 2024 14:31

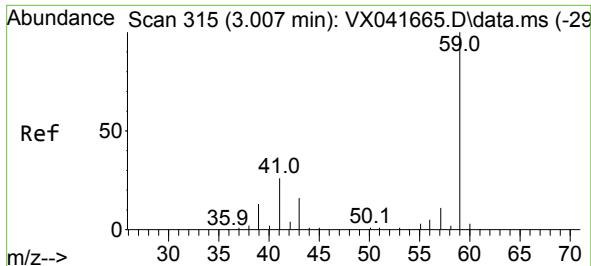
Tgt Ion: 94 Resp: 302

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.978 ug/l

RT: 2.989 min Scan# 315

Delta R.T. -0.018 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

Instrument :

MSVOA_X

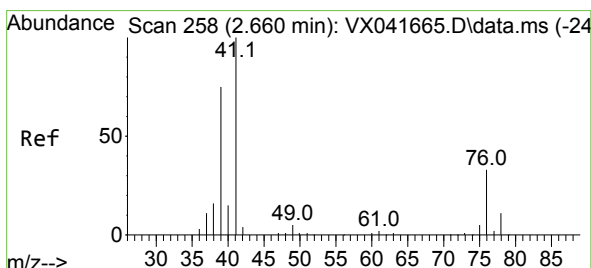
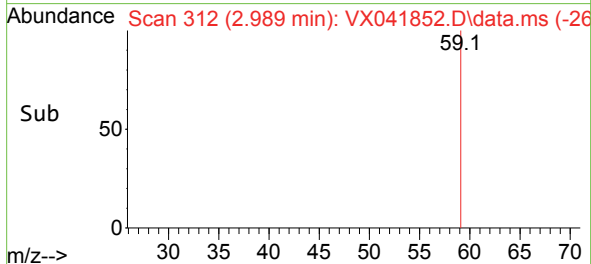
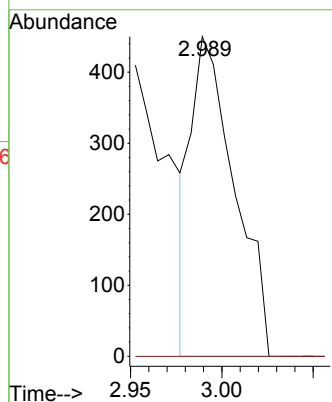
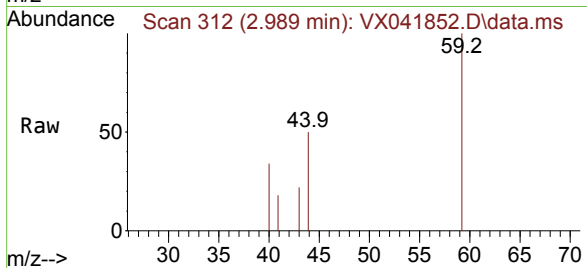
ClientSampleId :

Tgt Ion: 59 Resp: 746

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.611 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

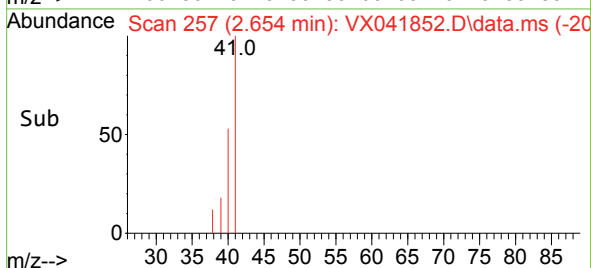
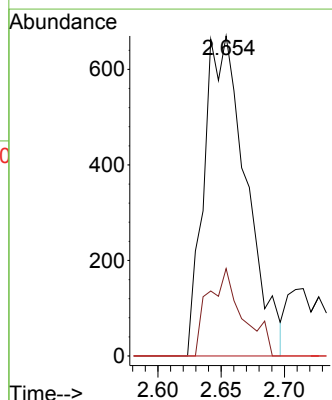
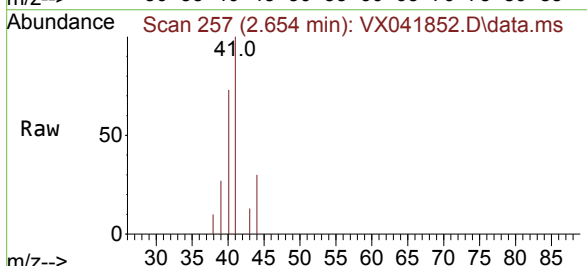
Tgt Ion: 41 Resp: 1557

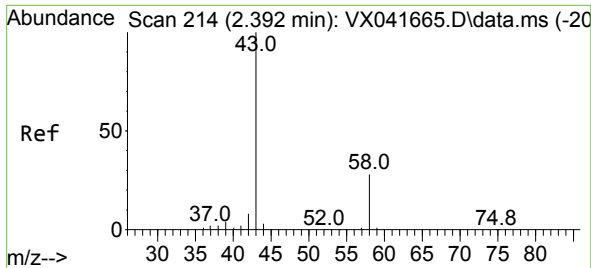
Ion Ratio Lower Upper

41 100

39 22.4 55.8 83.6#

76 0.0 24.3 36.5#

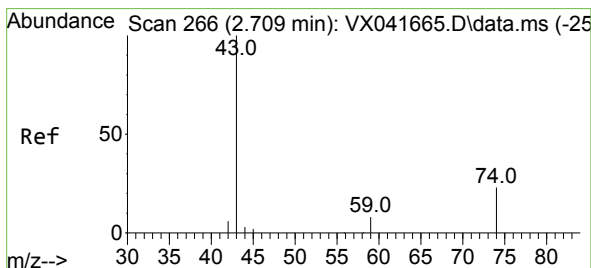
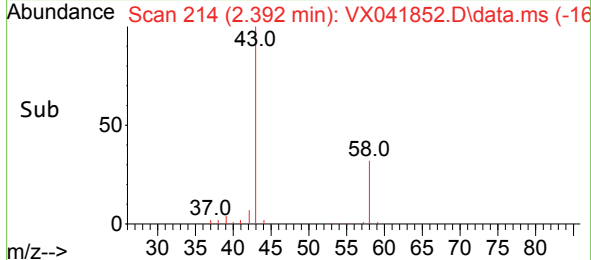
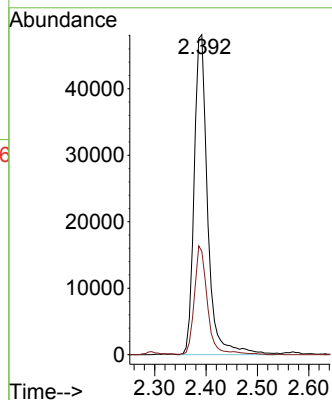
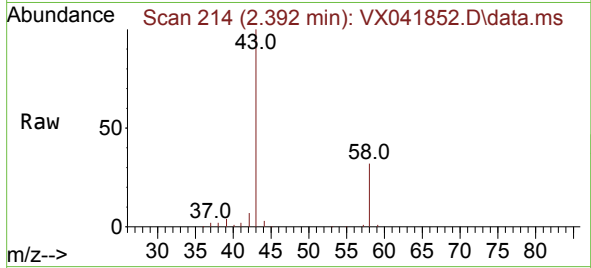




#16
Acetone
Concen: 92.514 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

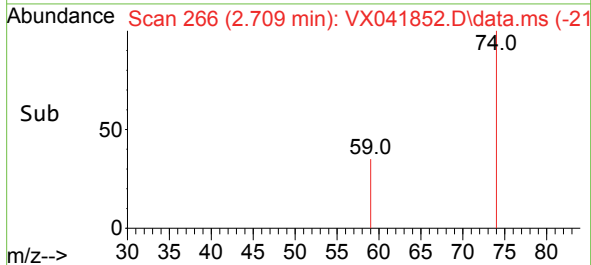
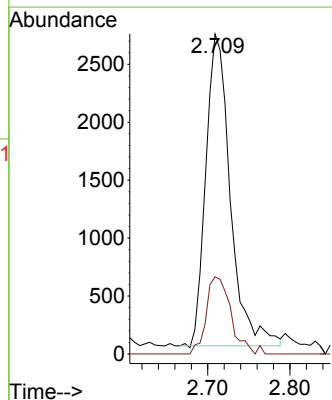
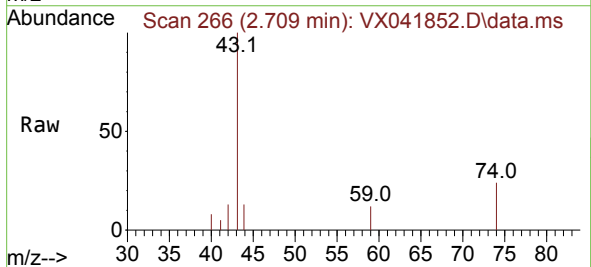
Instrument :
MSVOA_X
ClientSampleId :

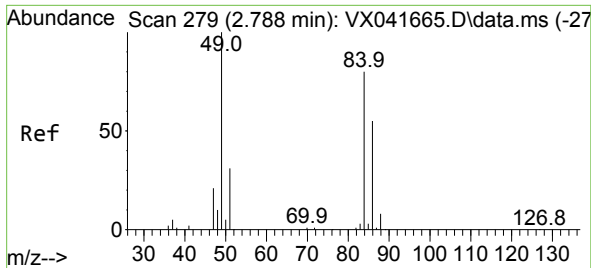
Tgt Ion: 43 Resp: 88281
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9



#18
Methyl Acetate
Concen: 2.737 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

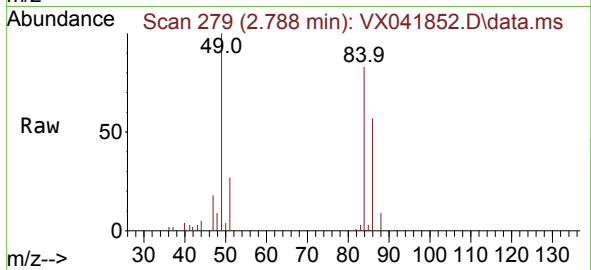
Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
74 24.5 17.8 26.8



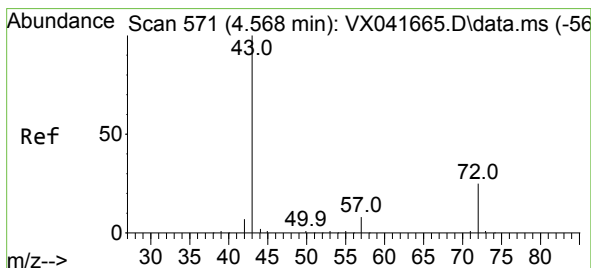
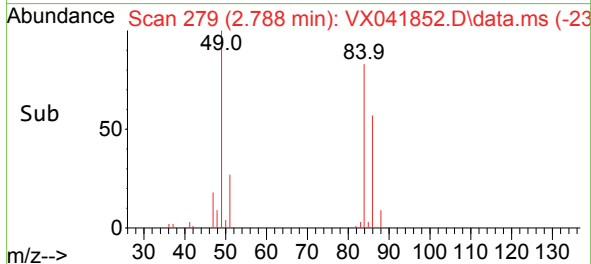
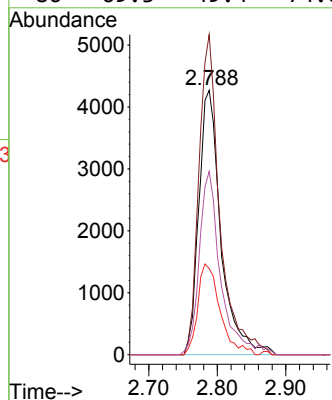


#20
Methylene Chloride
Concen: 5.029 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Instrument :
MSVOA_X
ClientSampleId :

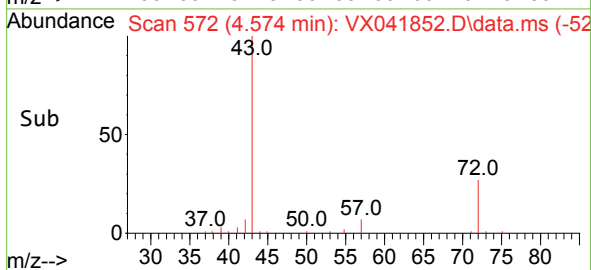
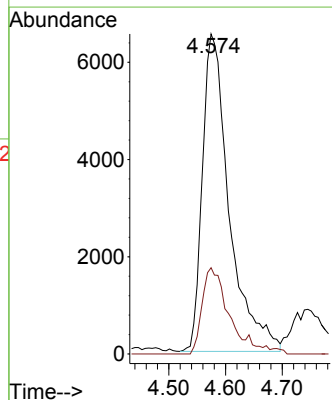
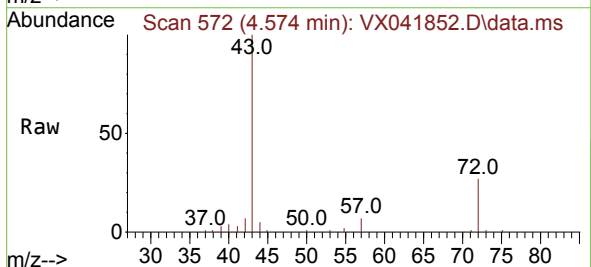


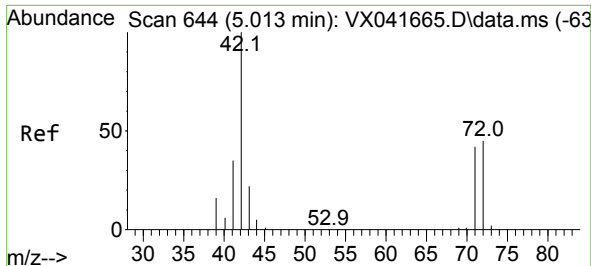
Tgt Ion:	84	Resp:	9594
Ion	Ratio	Lower	Upper
84	100		
49	121.0	103.6	155.4
51	32.6	33.8	50.6#
86	69.3	49.4	74.0



#25
2-Butanone
Concen: 16.202 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion:	43	Resp:	21467
Ion	Ratio	Lower	Upper
43	100		
72	27.2	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.125 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX041852.D

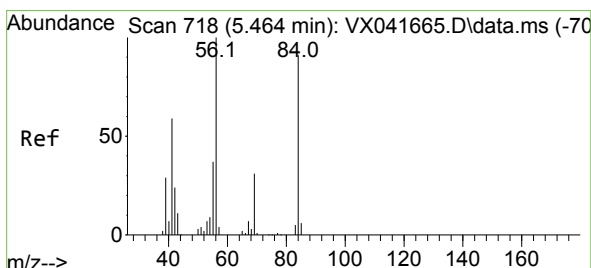
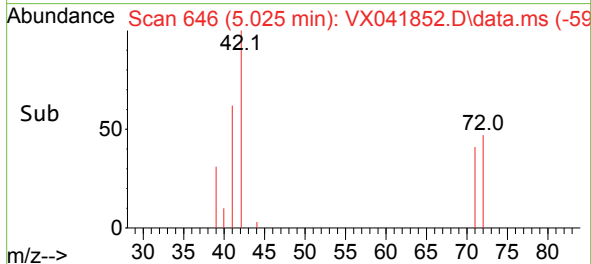
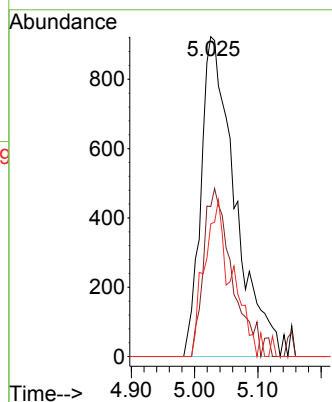
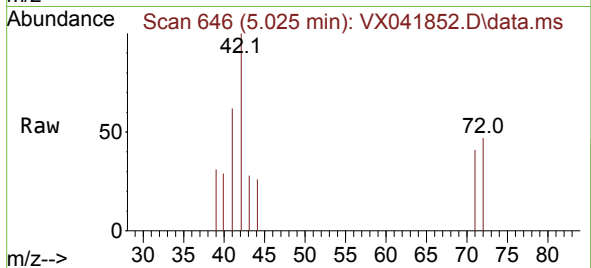
Acq: 13 Jun 2024 14:31

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3447
Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.2	51.4
71	39.9	32.2	48.2



#31

Cyclohexane

Concen: 0.918 ug/l

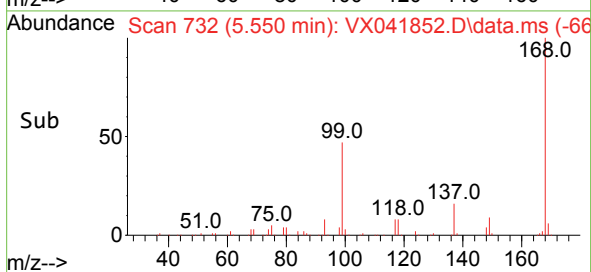
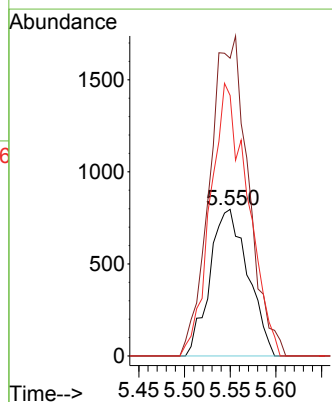
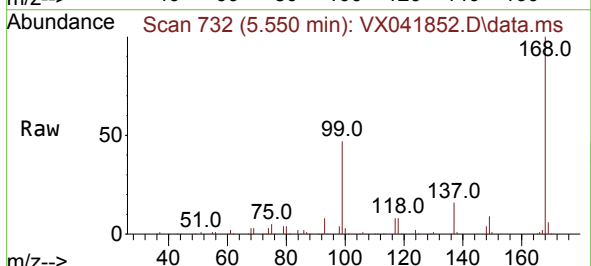
RT: 5.550 min Scan# 732

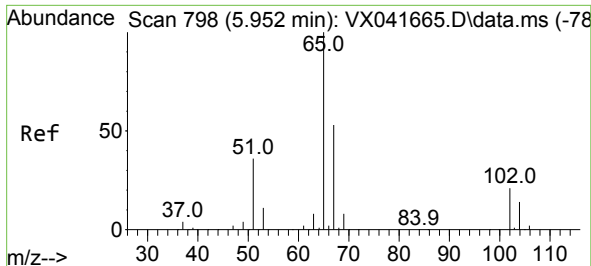
Delta R.T. 0.085 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

Tgt Ion:	56	Resp:	2311
Ion	Ratio	Lower	Upper
56	100		
69	203.1	23.4	35.2#
84	177.8	65.9	98.9#

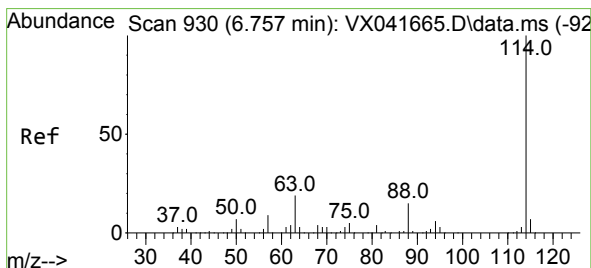
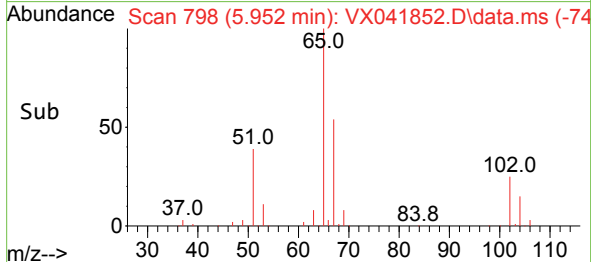
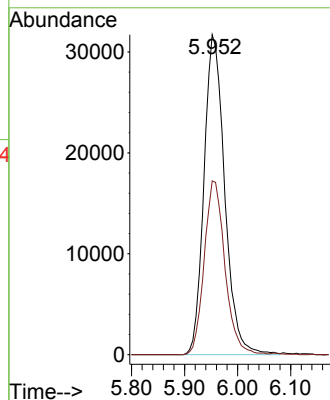
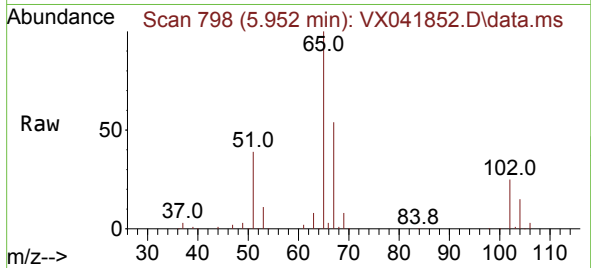




#33
 1,2-Dichloroethane-d4
 Concen: 40.396 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041852.D
 Acq: 13 Jun 2024 14:31

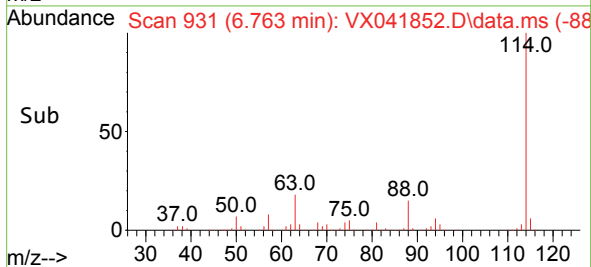
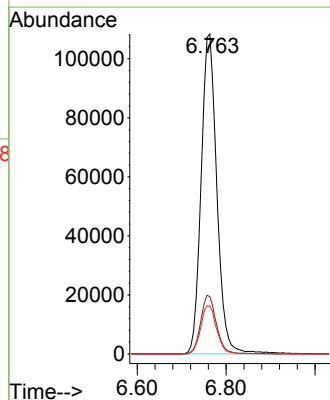
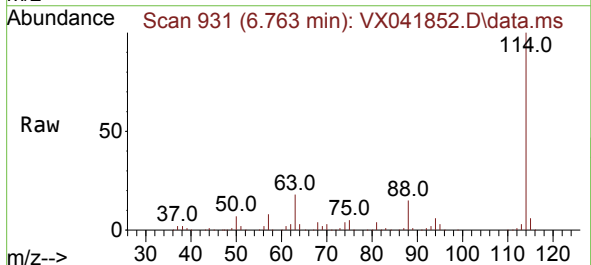
Instrument :
 MSVOA_X
 ClientSampleId :

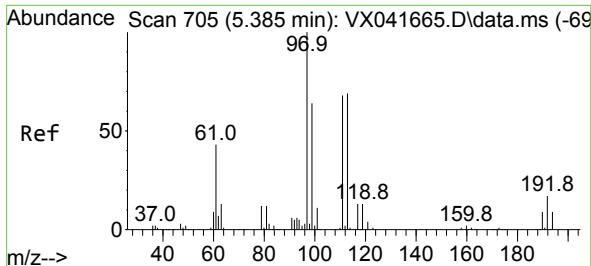
Tgt Ion: 65 Resp: 86120
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX041852.D
 Acq: 13 Jun 2024 14:31

Tgt Ion: 114 Resp: 267393
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 14.9 0.0 36.6

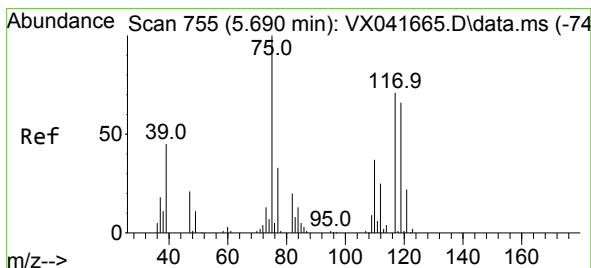
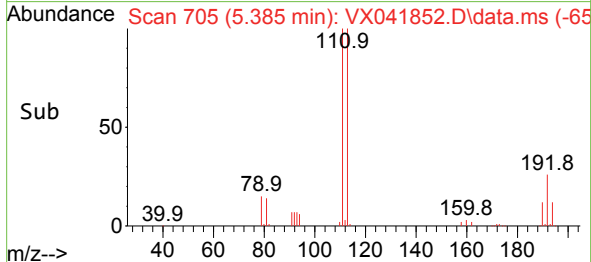
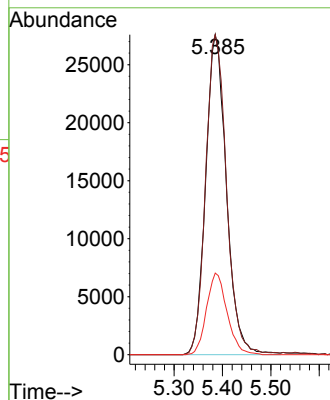
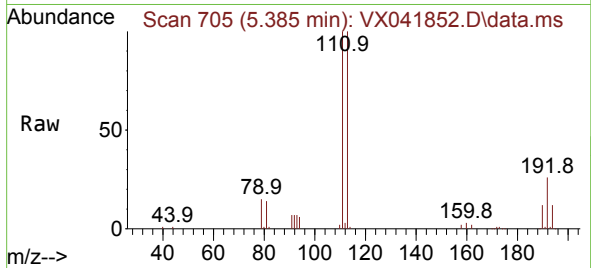




#35
Dibromofluoromethane
Concen: 44.440 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

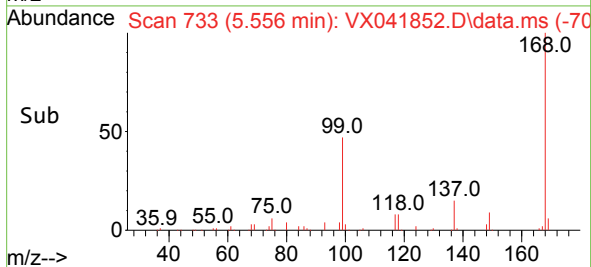
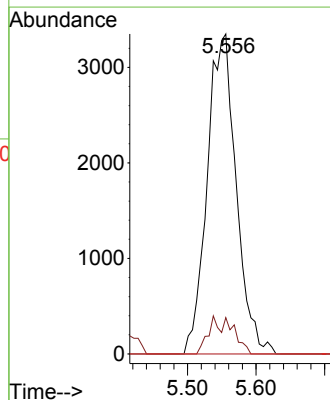
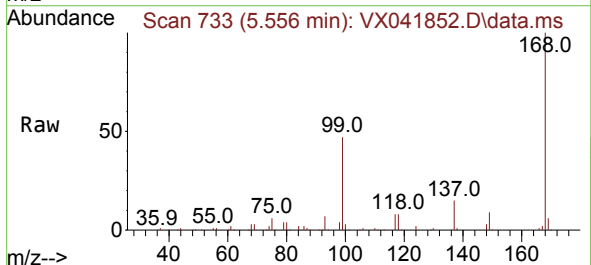
Instrument :
MSVOA_X
ClientSampleId :

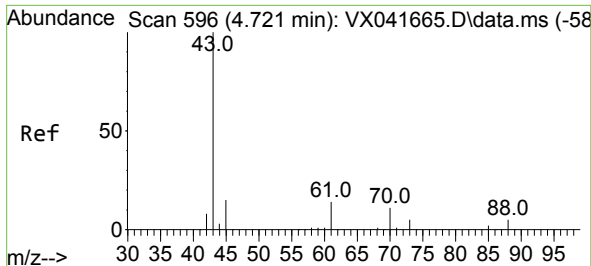
Tgt Ion:113 Resp: 82158
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 25.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion: 75 Resp: 9857
Ion Ratio Lower Upper
75 100
110 4.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.128 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

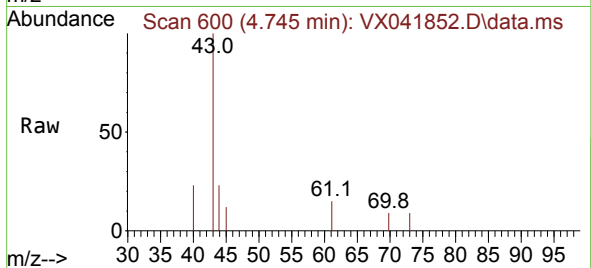
Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

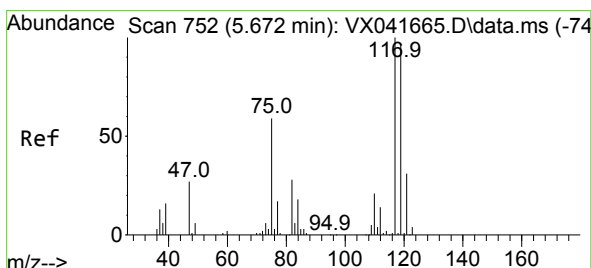
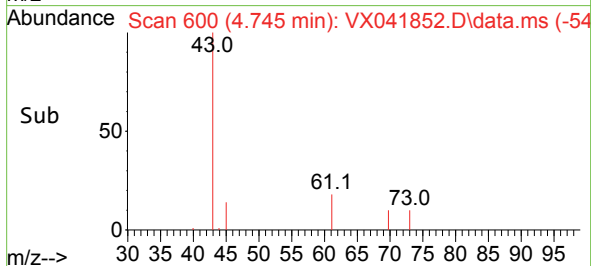
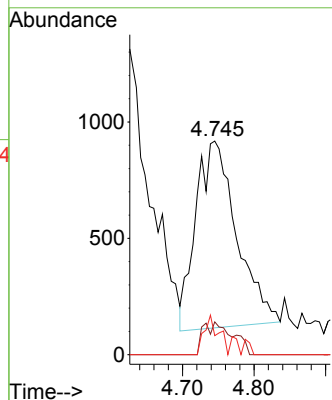
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3187
Ion Ratio	Lower Upper
43	100
61	3.9 10.6 16.0#
70	7.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.626 ug/l

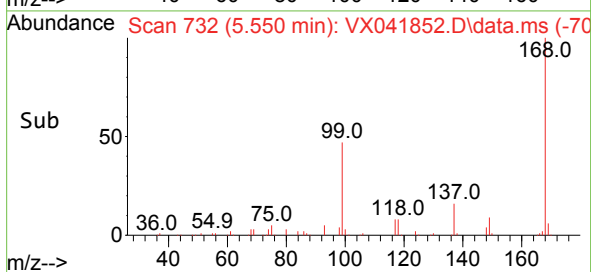
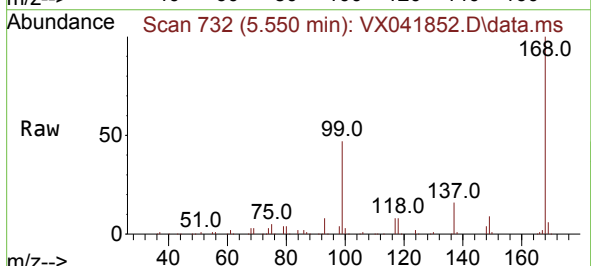
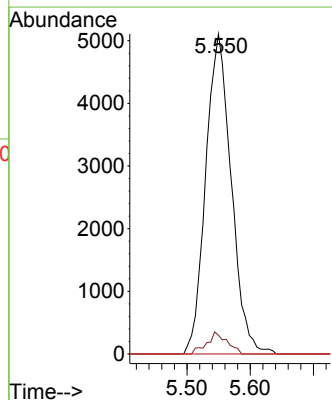
RT: 5.550 min Scan# 732

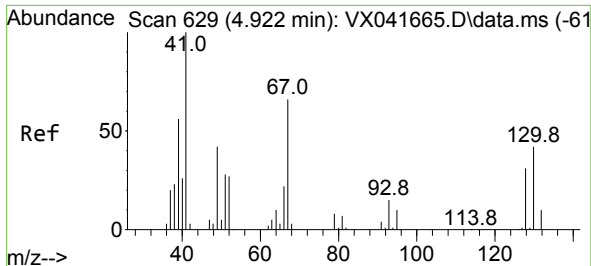
Delta R.T. -0.122 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

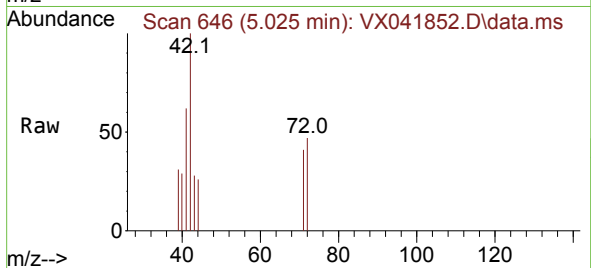
Tgt Ion: 117	Resp: 14308
Ion Ratio	Lower Upper
117	100
119	5.9 78.2 117.2#
121	0.0 24.4 36.6#



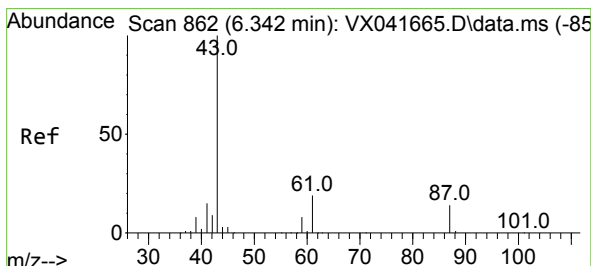
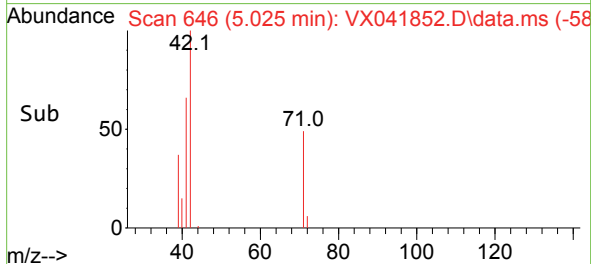
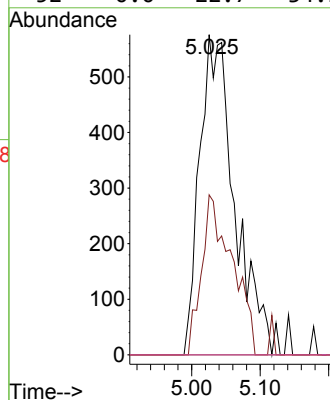


#41
Methacrylonitrile
Concen: 1.490 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Instrument :
MSVOA_X
ClientSampleId :

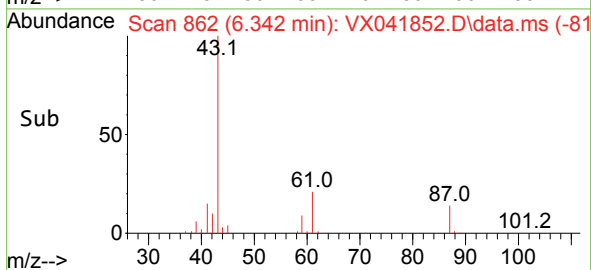
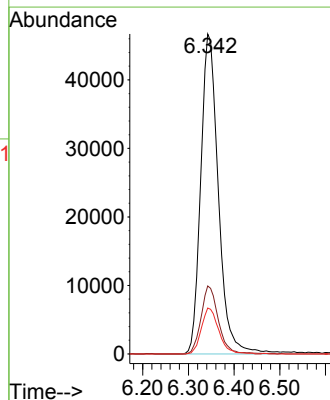
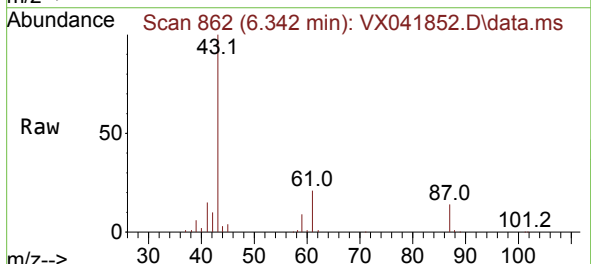


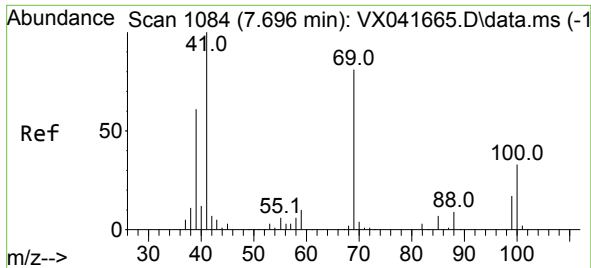
Tgt Ion:	41	Resp:	2059
Ion	Ratio	Lower	Upper
41	100		
39	43.5	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 29.415 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion:	43	Resp:	125465
Ion	Ratio	Lower	Upper
43	100		
61	20.8	15.2	22.8
87	14.1	9.8	14.6

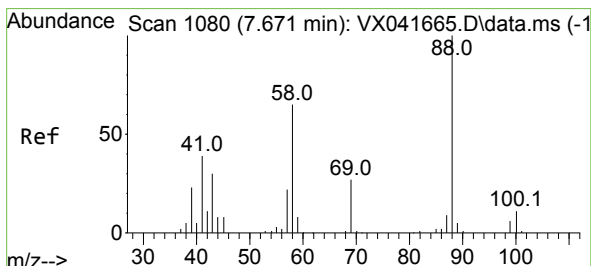
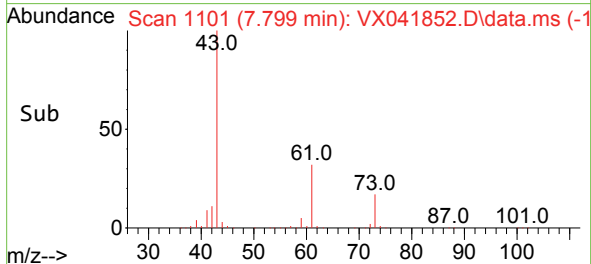
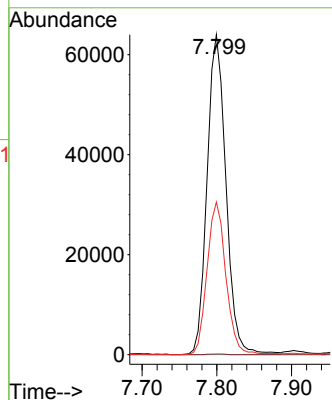
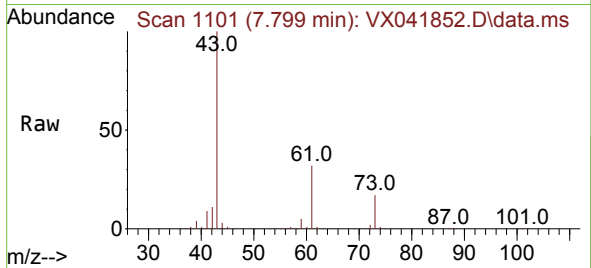




#48
Methyl methacrylate
Concen: 54.811 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

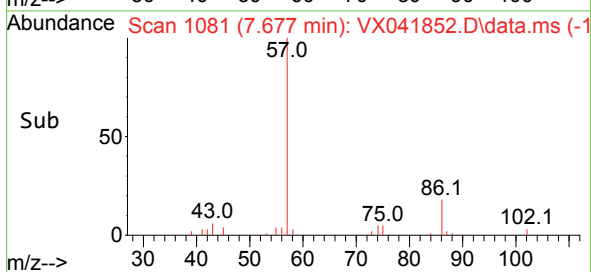
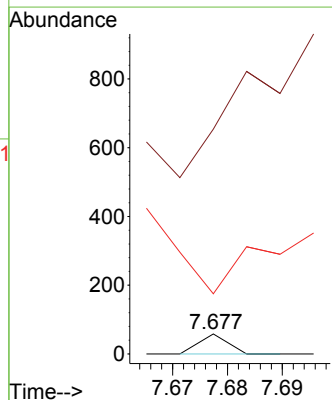
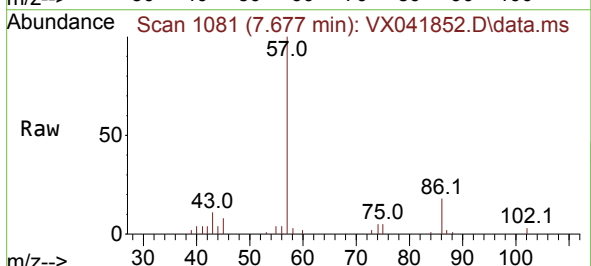
Instrument :
MSVOA_X
ClientSampleId :

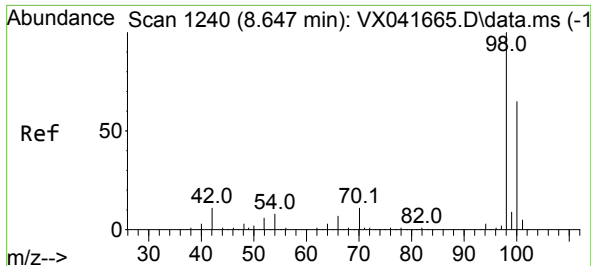
Tgt Ion: 41 Resp: 112270
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 47.8 47.7 71.5



#49
1,4-Dioxane
Concen: 0.469 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 3261.9 60.1 90.1#

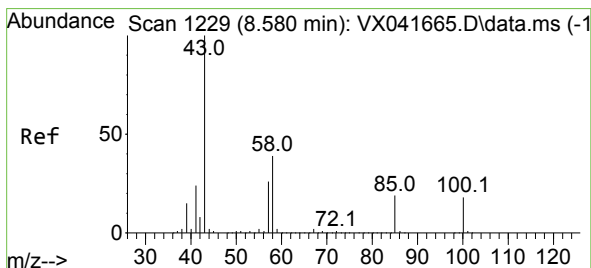
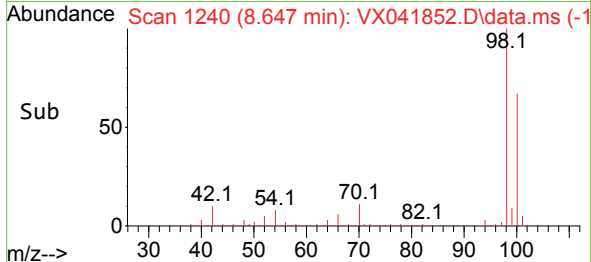
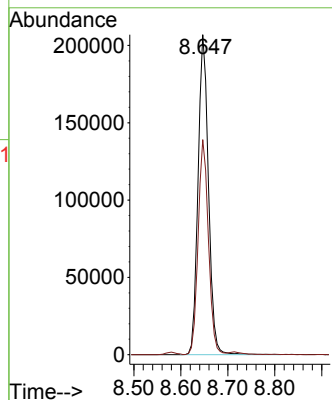
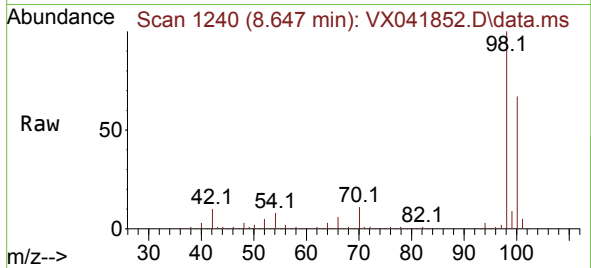




#50
Toluene-d8
Concen: 49.566 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

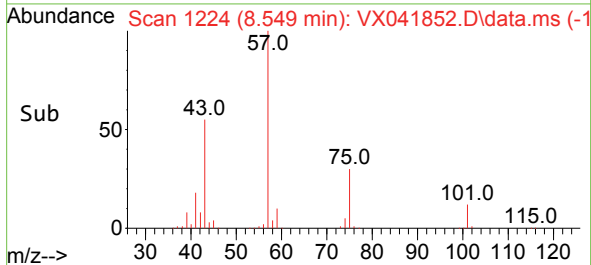
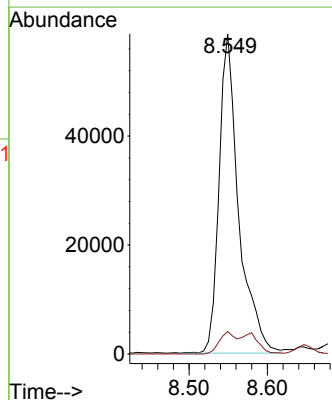
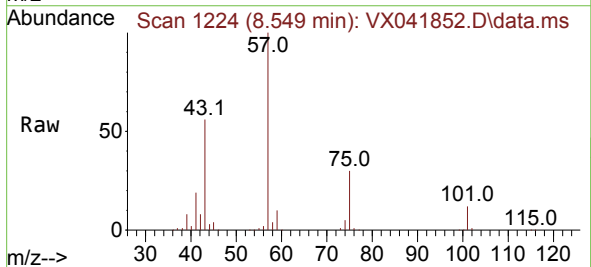
Instrument :
MSVOA_X
ClientSampleId :

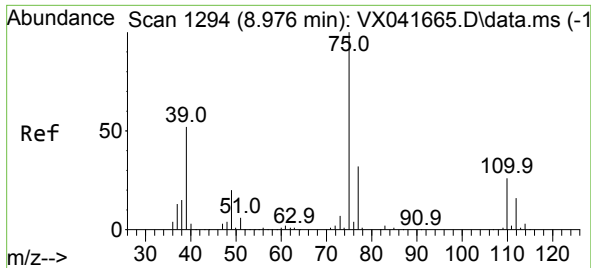
Tgt Ion: 98 Resp: 320182
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 36.942 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion: 43 Resp: 102176
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#

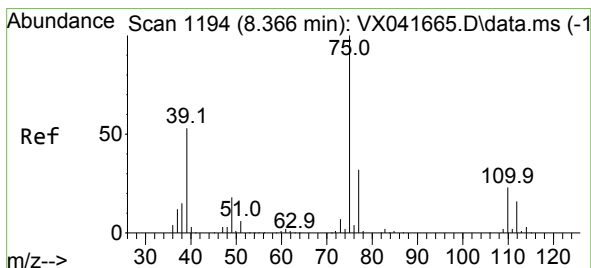
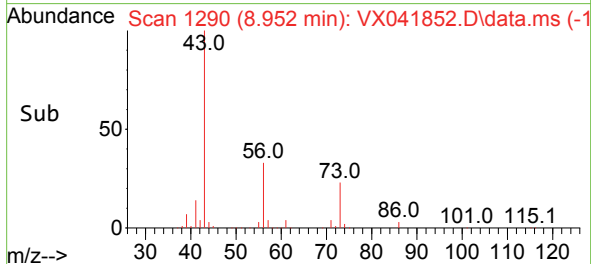
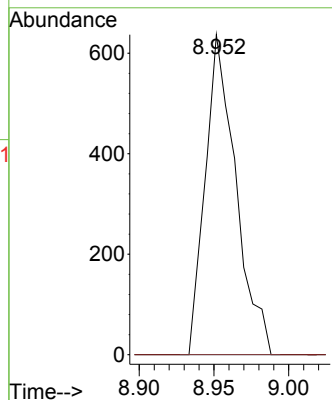
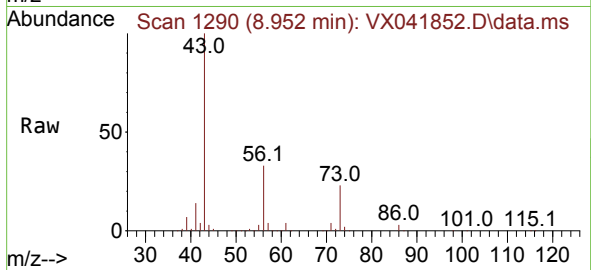




#53
 t-1,3-Dichloropropene
 Concen: 0.390 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041852.D
 Acq: 13 Jun 2024 14:31

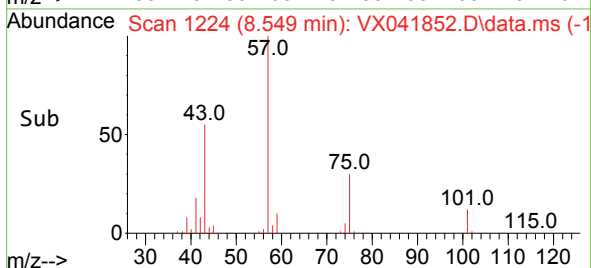
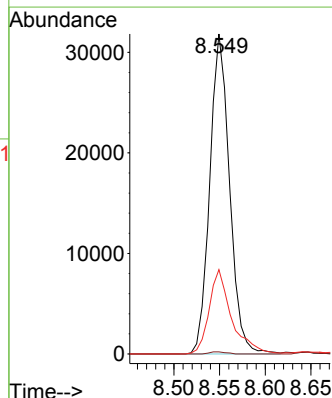
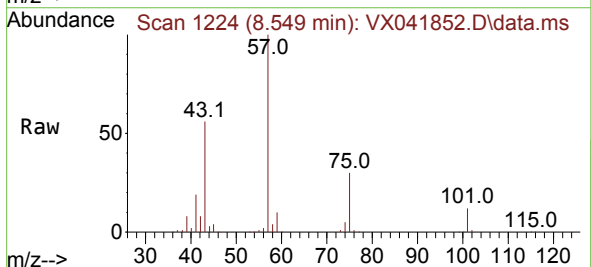
Instrument :
 MSVOA_X
 ClientSampleId :

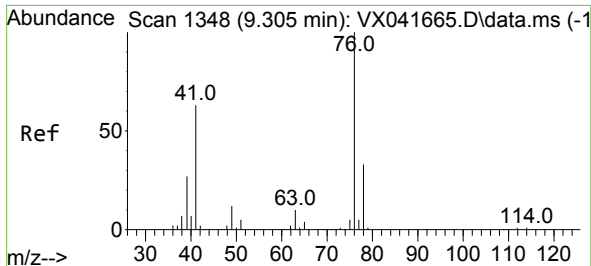
Tgt Ion: 75 Resp: 908
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.600 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041852.D
 Acq: 13 Jun 2024 14:31

Tgt Ion: 75 Resp: 47852
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 26.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.194 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041852.D

Acq: 13 Jun 2024 14:31

Instrument :

MSVOA_X

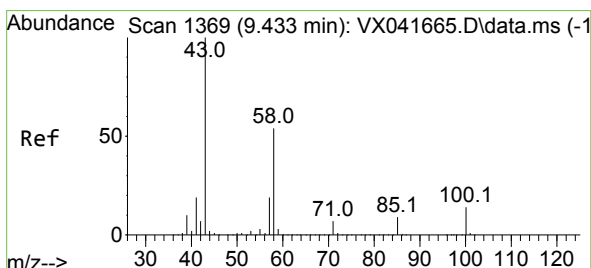
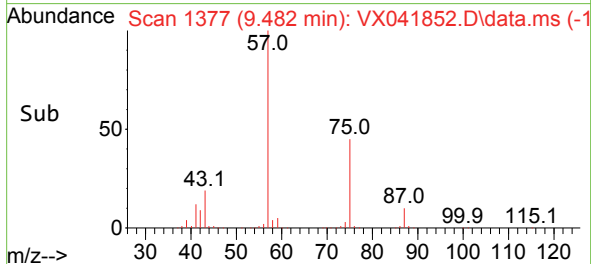
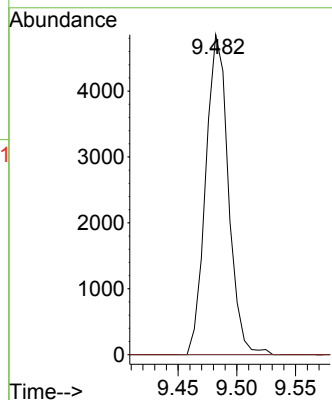
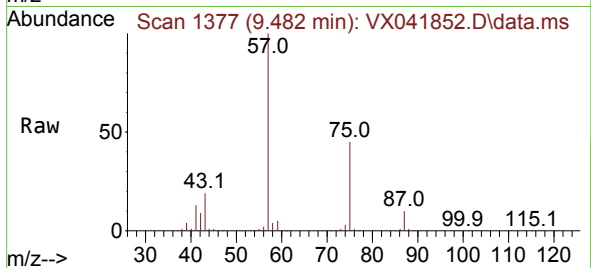
ClientSampleId :

Tgt Ion: 76 Resp: 6520

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.843 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041852.D

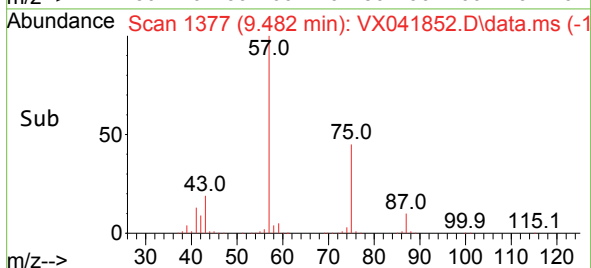
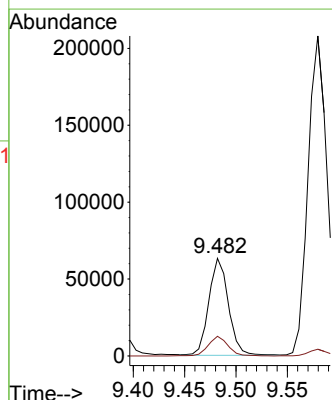
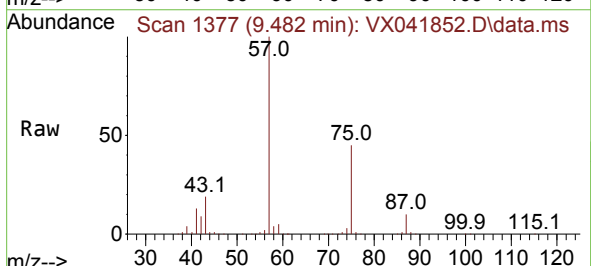
Acq: 13 Jun 2024 14:31

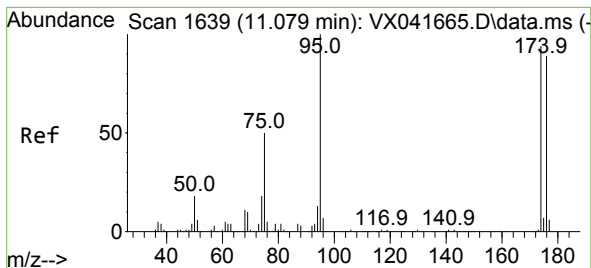
Tgt Ion: 43 Resp: 84016

Ion Ratio Lower Upper

43 100

58 20.6 26.2 78.5#

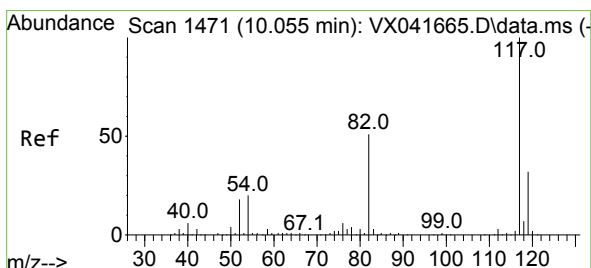
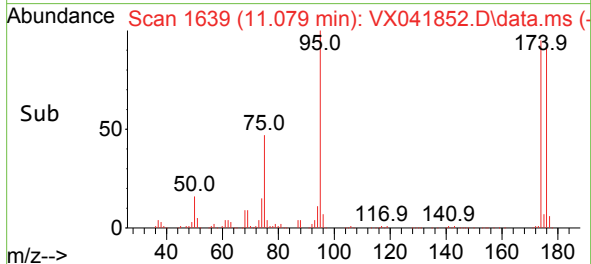
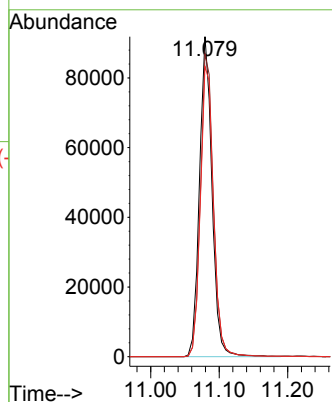
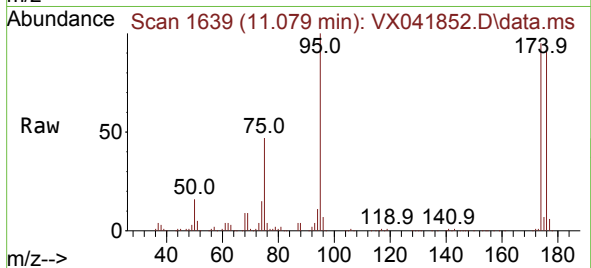




#62
4-Bromofluorobenzene
Concen: 48.961 ug/l
RT: 11.079 min Scan# 116731
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

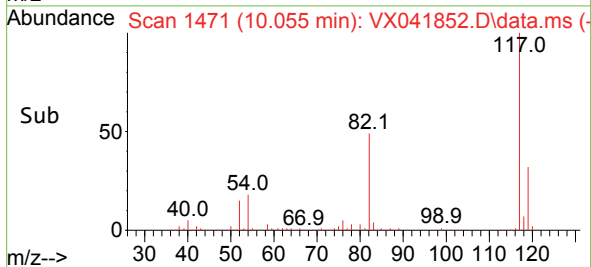
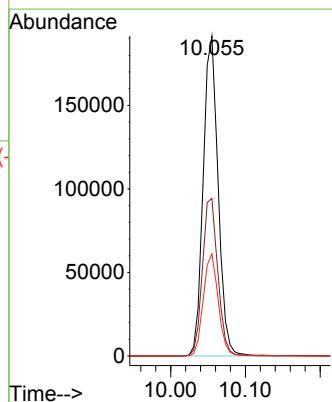
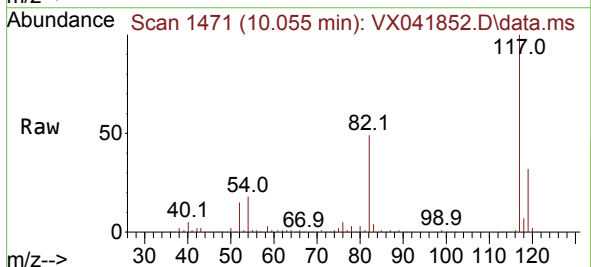
Instrument :
MSVOA_X
ClientSampleId :

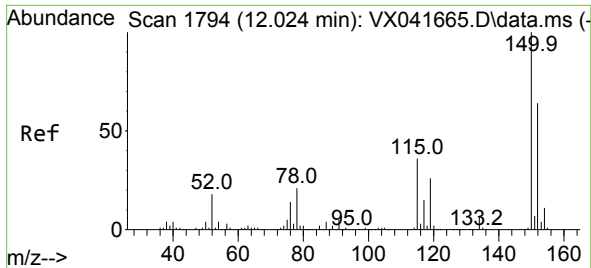
Tgt Ion: 95 Resp: 116731
Ion Ratio Lower Upper
95 100
174 98.1 0.0 135.6
176 95.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

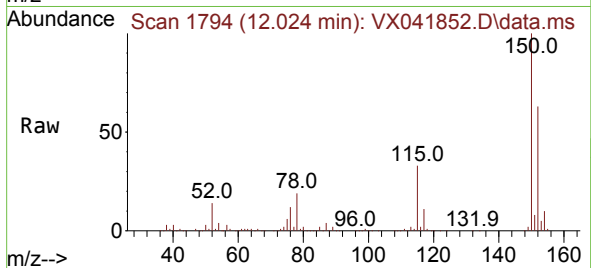
Tgt Ion: 117 Resp: 265551
Ion Ratio Lower Upper
117 100
82 49.2 46.2 69.4
119 31.9 25.5 38.3



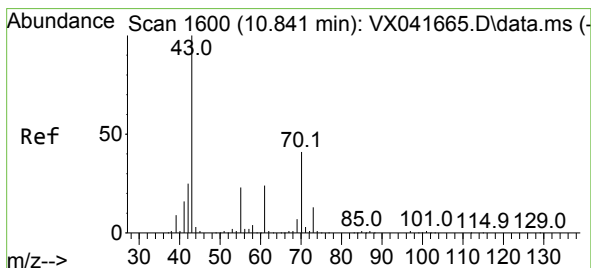
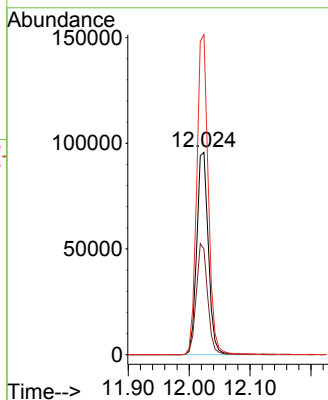
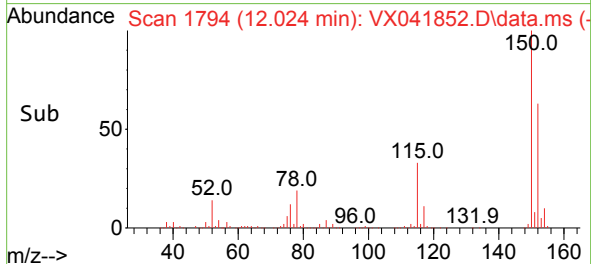


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

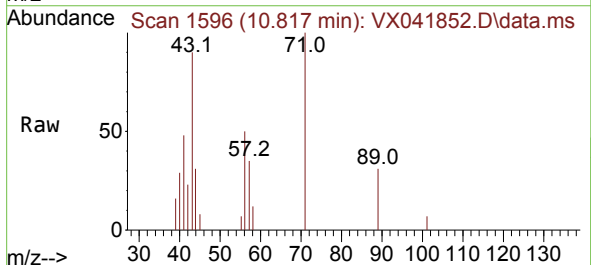
Instrument :
MSVOA_X
ClientSampleId :



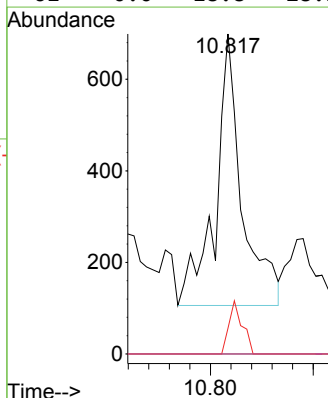
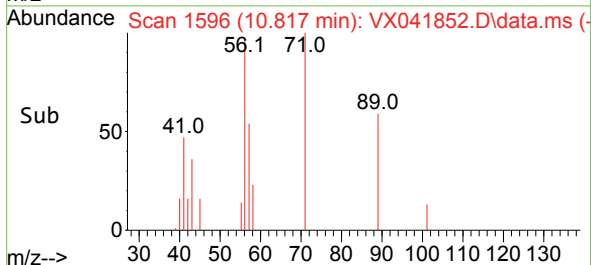
Tgt Ion:152 Resp: 126984
Ion Ratio Lower Upper
152 100
115 53.5 43.3 129.9
150 157.0 0.0 345.0

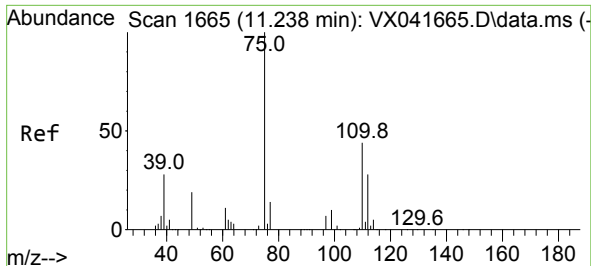


#74
N-ethyl acetate
Concen: 0.301 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31



Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 10.0 19.3 28.9#
61 0.0 18.8 28.2#

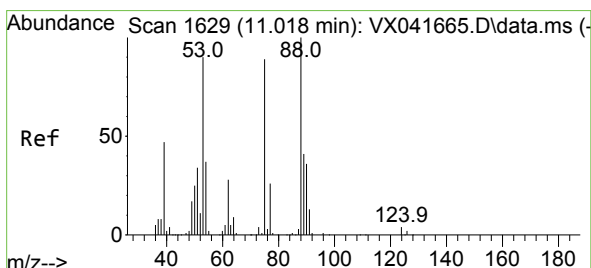
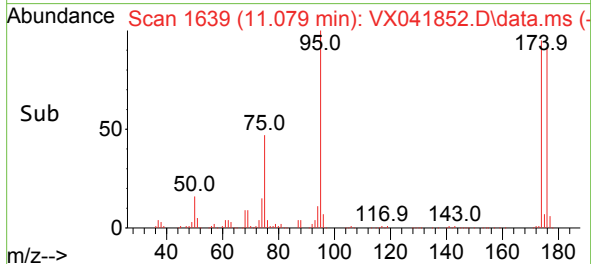
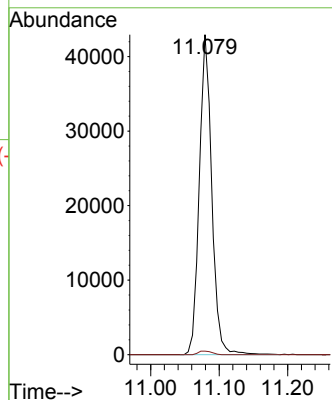
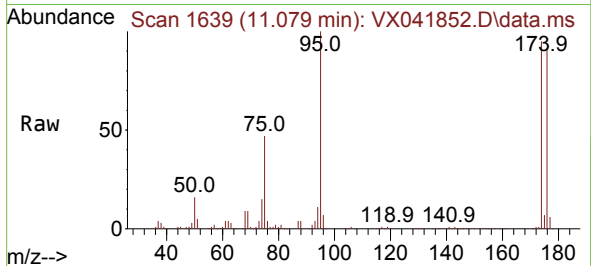




#76
1,2,3-Trichloropropane
Concen: 24.562 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 54420
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.944 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041852.D
Acq: 13 Jun 2024 14:31

Tgt Ion: 75 Resp: 54420
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

