

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041854.D
 Acq On : 13 Jun 2024 15:18
 Operator : JC/MD
 Sample : PB161467ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

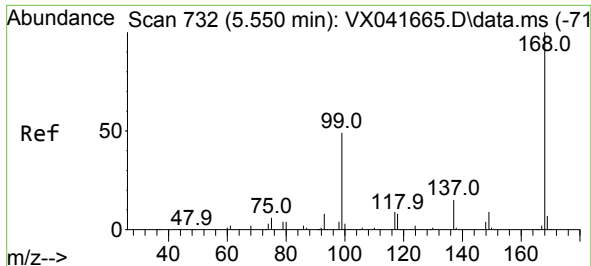
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 00:59:29 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	163136	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	255881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	259510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83420	41.693	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	83.380%
35) Dibromofluoromethane	5.385	113	78110	44.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.300%
50) Toluene-d8	8.647	98	307096	49.679	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	115960	50.826	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.660%
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	293	0.261	ug/l	# 63
11) Tert butyl alcohol	2.989	59	866	2.447	ug/l	# 78
14) Allyl chloride	2.654	41	1383	0.578	ug/l	# 41
16) Acetone	2.392	43	88556	99.144	ug/l	# 89
18) Methyl Acetate	2.709	43	6800	3.559	ug/l	98
20) Methylene Chloride	2.788	84	9776	5.460	ug/l	91
25) 2-Butanone	4.574	43	21826	17.552	ug/l	96
29) Tetrahydrofuran	5.032	42	3216	4.101	ug/l	95
31) Cyclohexane	5.544	56	2298	0.973	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9644	4.502	ug/l	# 51
37) Ethyl Acetate	4.745	43	2851	1.055	ug/l	# 80
38) Carbon Tetrachloride	5.550	117	13809	5.674	ug/l	# 16
41) Methacrylonitrile	5.032	41	1846	1.396	ug/l	# 47
43) Isopropyl Acetate	6.342	43	123618	30.286	ug/l	95
48) Methyl methacrylate	7.610	41	3325	1.696	ug/l	# 16
49) 1,4-Dioxane	7.799	88	195	4.553	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	99552	37.613	ug/l	# 47
53) t-1,3-Dichloropropene	8.958	75	796	0.358	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47799	19.415	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6831	2.402	ug/l	# 42
59) 2-Hexanone	9.482	43	82963	41.113	ug/l	# 54
74) N-amyl acetate	10.640	43	26558	7.517	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	53282	23.749	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	53282	64.727	ug/l	# 5

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

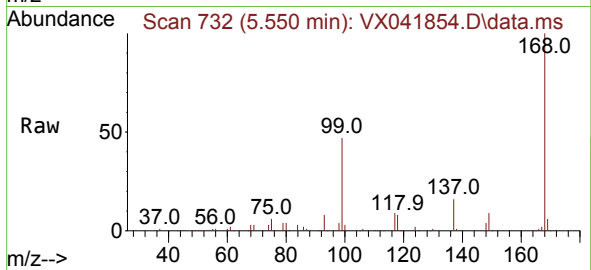


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

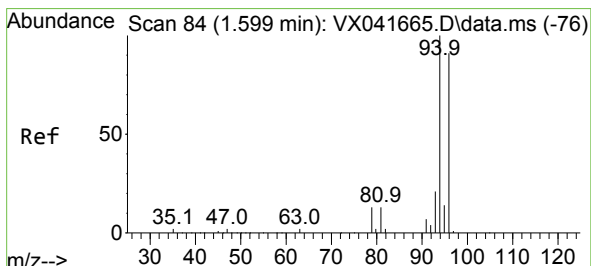
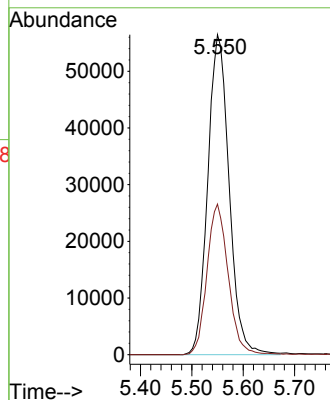
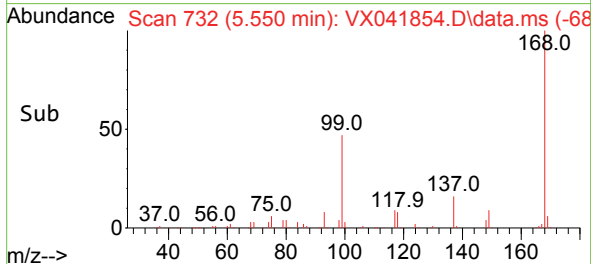
Instrument :

MSVOA_X

ClientSampleId :

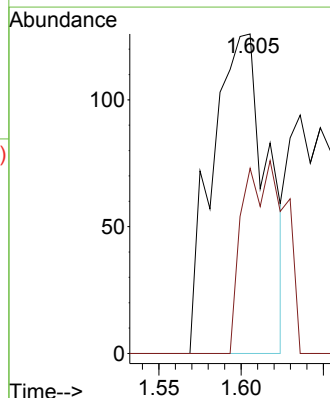
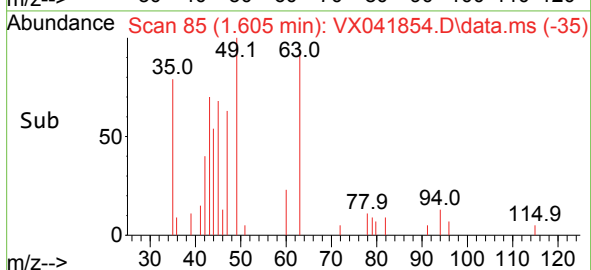
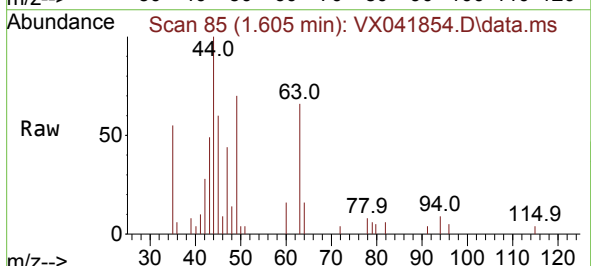


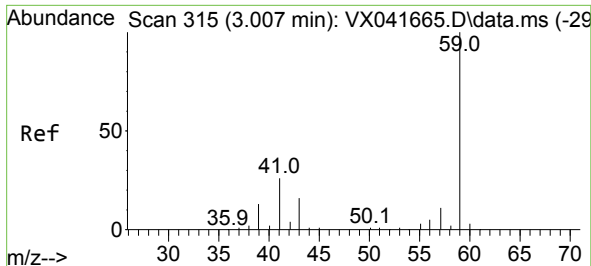
Tgt Ion:168 Resp: 163136
Ion Ratio Lower Upper
168 100
99 47.1 56.6 85.0#



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 57.9 74.6 111.8#





#11

Tert butyl alcohol

Concen: 2.447 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.018 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Instrument :

MSVOA_X

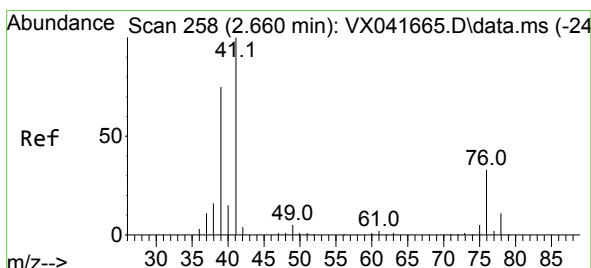
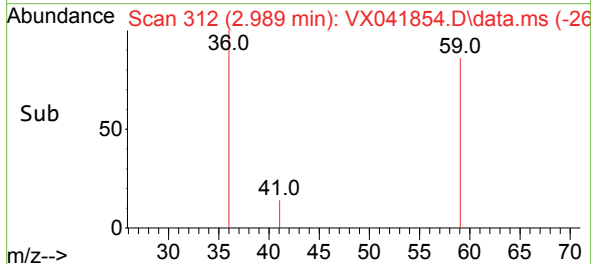
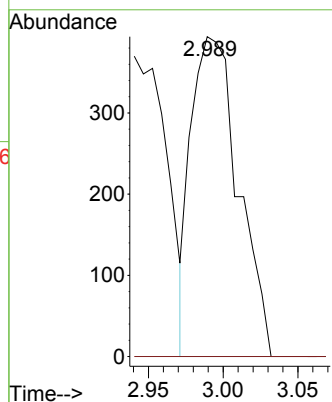
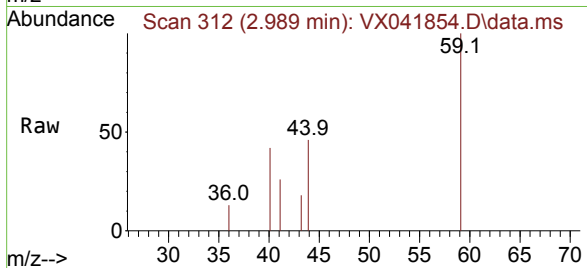
ClientSampleId :

Tgt Ion: 59 Resp: 866

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.578 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

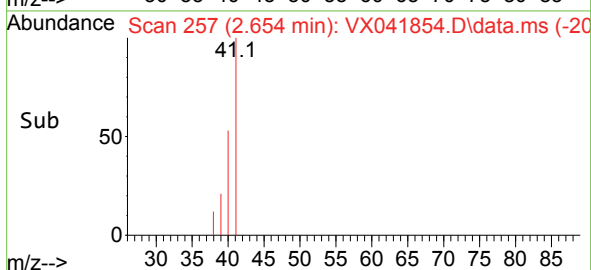
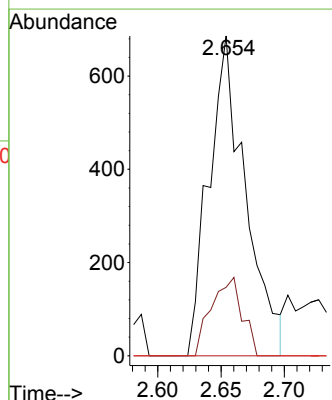
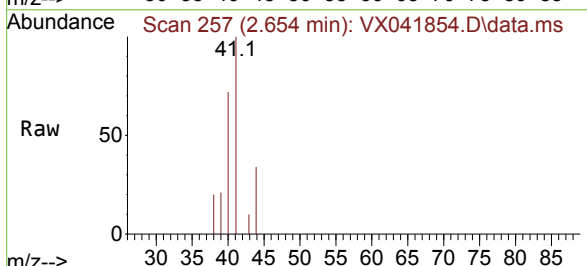
Tgt Ion: 41 Resp: 1383

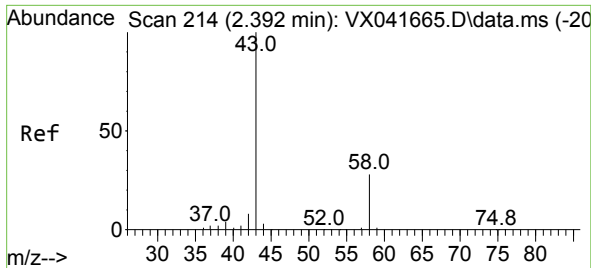
Ion Ratio Lower Upper

41 100

39 20.7 55.8 83.6#

76 0.0 24.3 36.5#

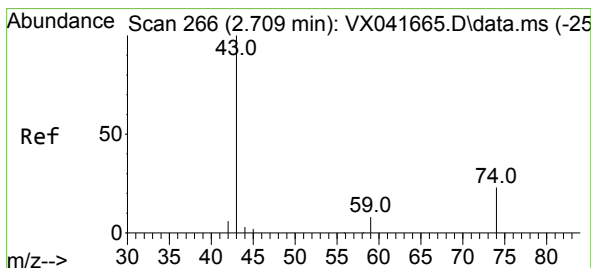
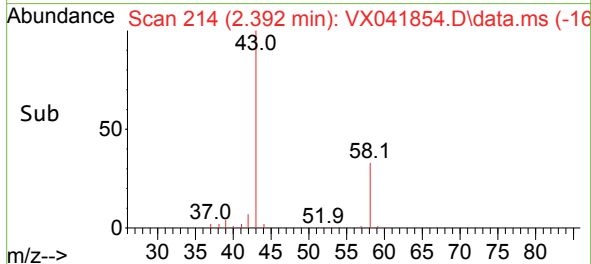
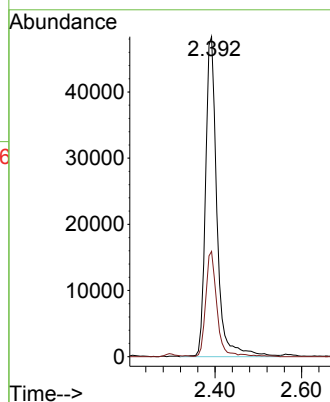
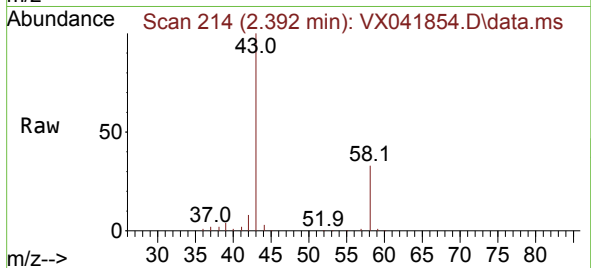




#16
Acetone
Concen: 99.144 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

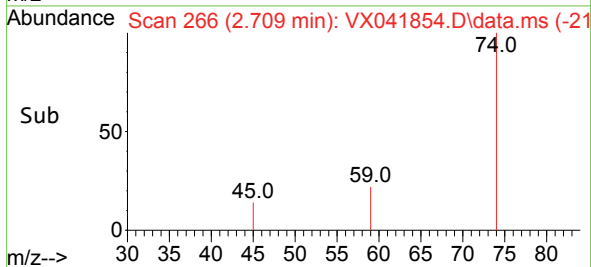
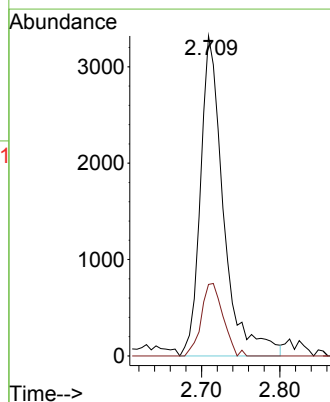
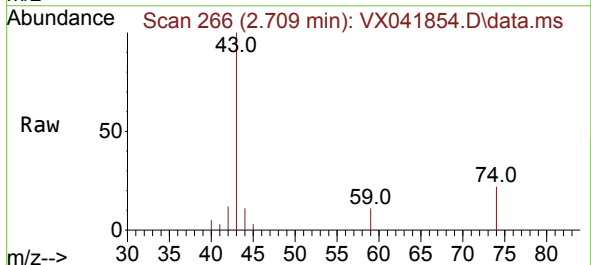
Instrument :
MSVOA_X
ClientSampleId :

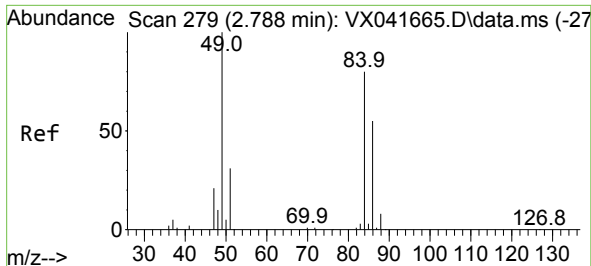
Tgt Ion: 43 Resp: 88556
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9#



#18
Methyl Acetate
Concen: 3.559 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

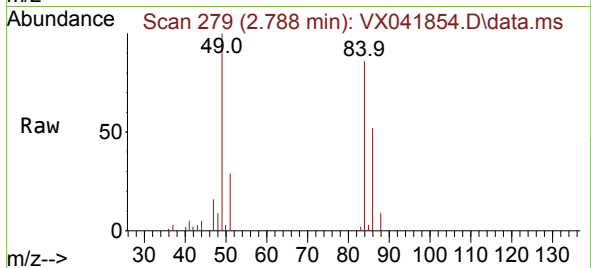
Tgt Ion: 43 Resp: 6800
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8



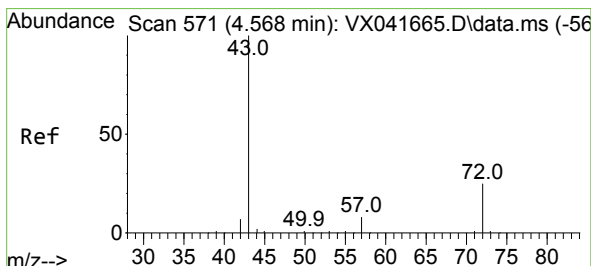
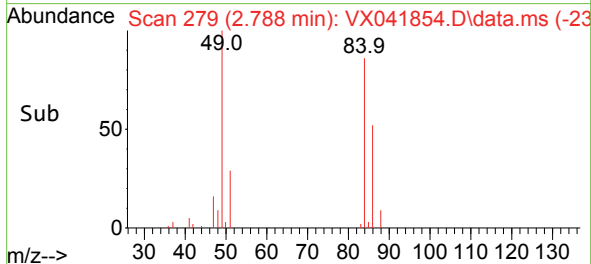
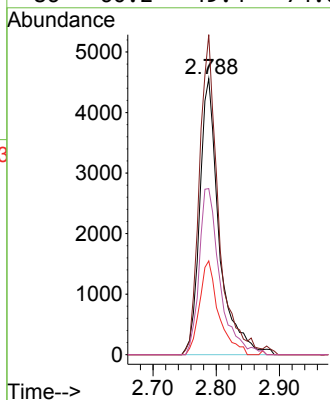


#20
Methylene Chloride
Concen: 5.460 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Instrument :
MSVOA_X
ClientSampleId :

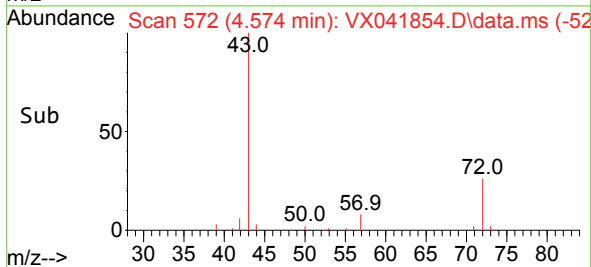
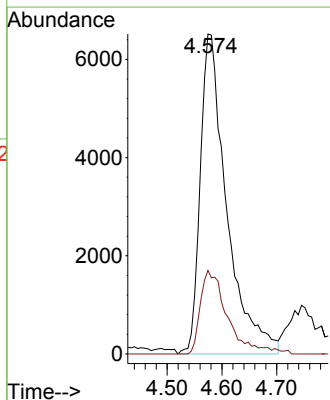
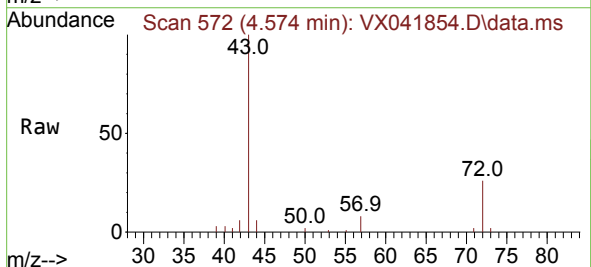


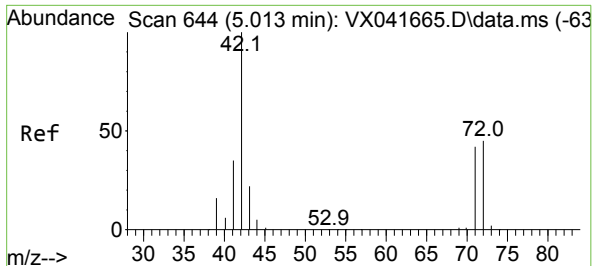
Tgt Ion:	84	Resp:	9776
Ion	Ratio	Lower	Upper
84	100		
49	115.9	103.6	155.4
51	34.0	33.8	50.6
86	60.2	49.4	74.0



#25
2-Butanone
Concen: 17.552 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion:	43	Resp:	21826
Ion	Ratio	Lower	Upper
43	100		
72	26.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.101 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041854.D

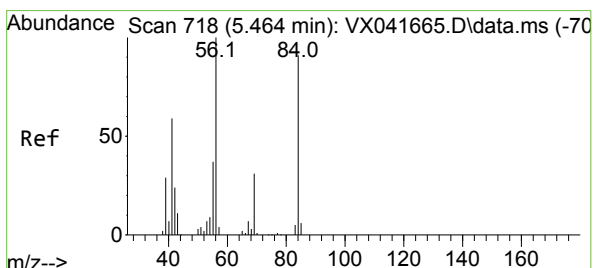
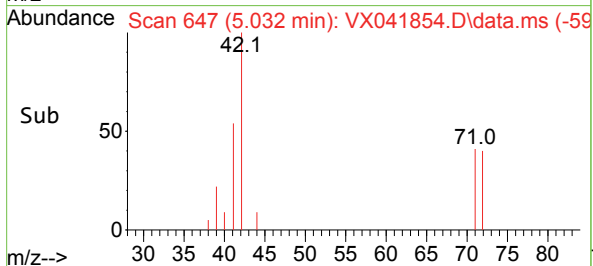
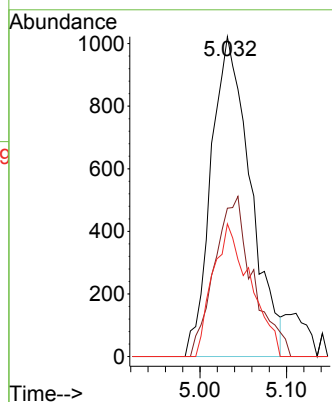
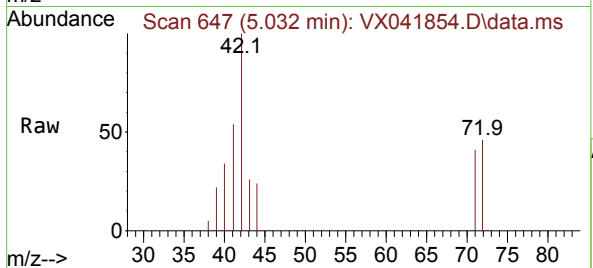
Acq: 13 Jun 2024 15:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3216
Ion	Ratio	Lower	Upper
42	100		
72	48.9	34.2	51.4
71	39.6	32.2	48.2



#31

Cyclohexane

Concen: 0.973 ug/l

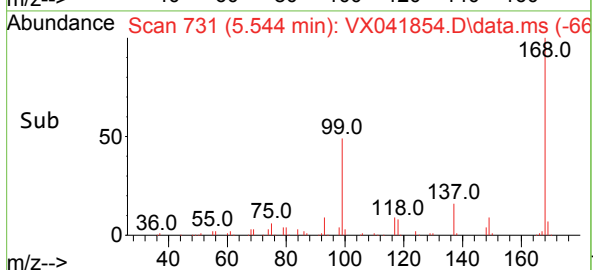
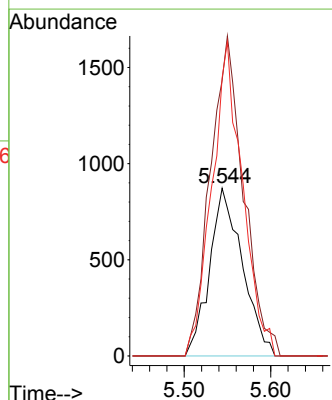
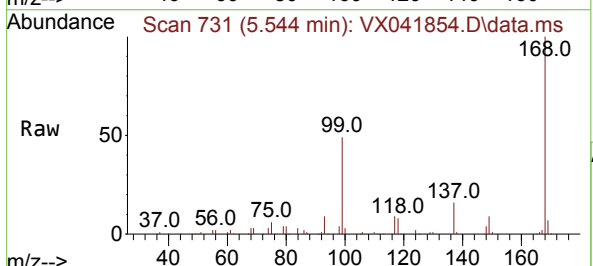
RT: 5.544 min Scan# 731

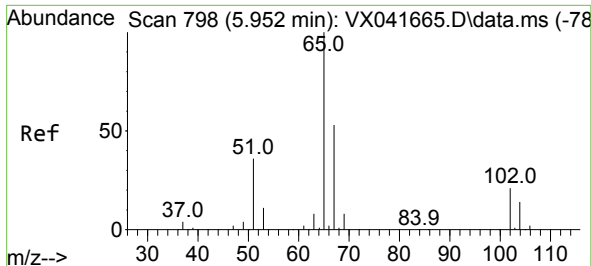
Delta R.T. 0.079 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Tgt Ion:	56	Resp:	2298
Ion	Ratio	Lower	Upper
56	100		
69	164.3	23.4	35.2#
84	165.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.693 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Instrument :

MSVOA_X

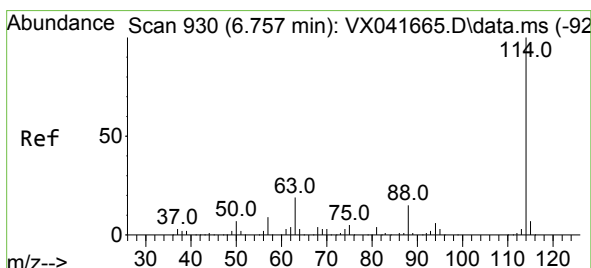
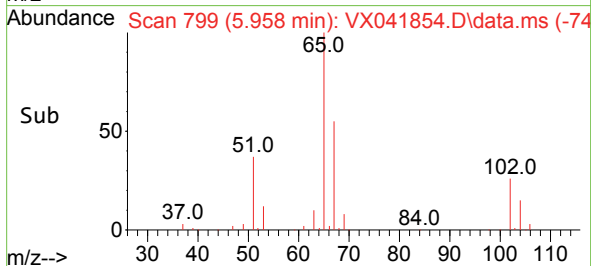
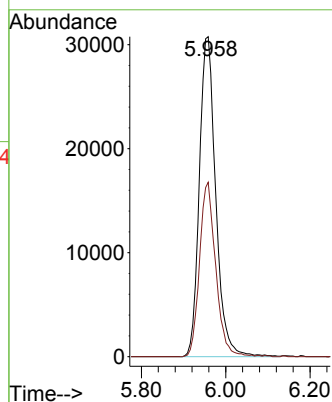
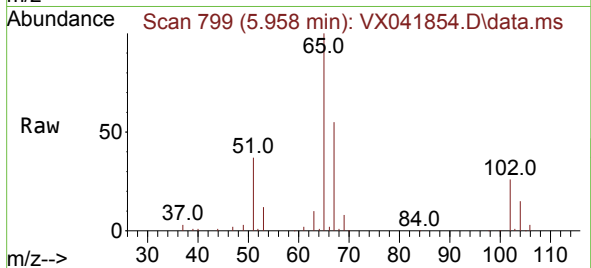
ClientSampleId :

Tgt Ion: 65 Resp: 83420

Ion Ratio Lower Upper

65 100

67 53.7 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: VX041854.D

Acq: 13 Jun 2024 15:18

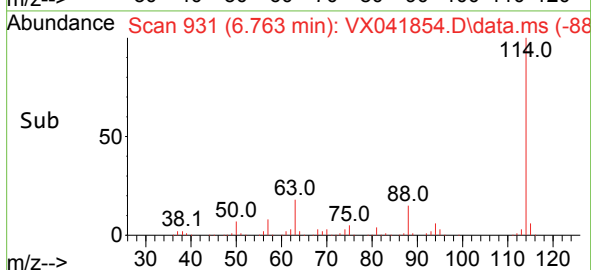
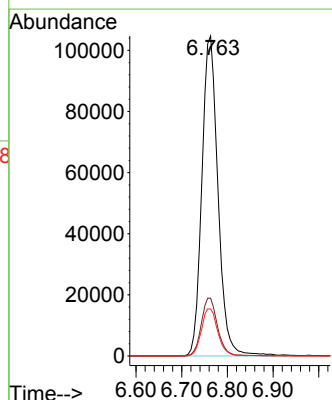
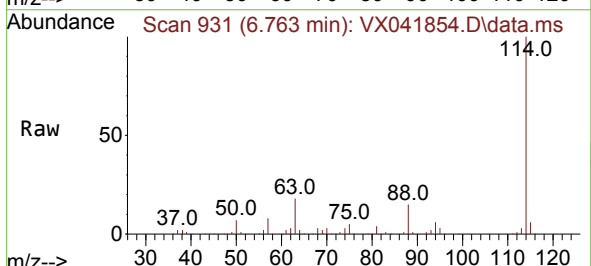
Tgt Ion: 114 Resp: 255881

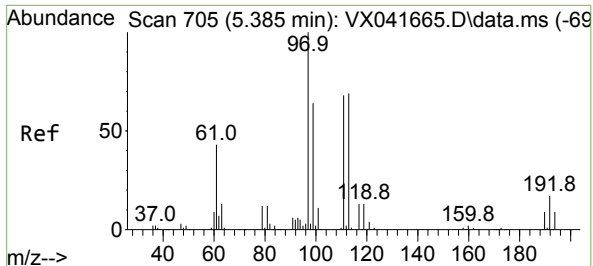
Ion Ratio Lower Upper

114 100

63 18.0 0.0 45.0

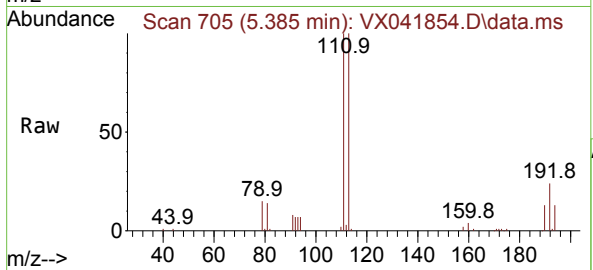
88 14.7 0.0 36.6



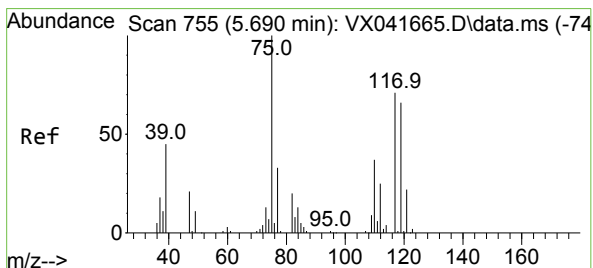
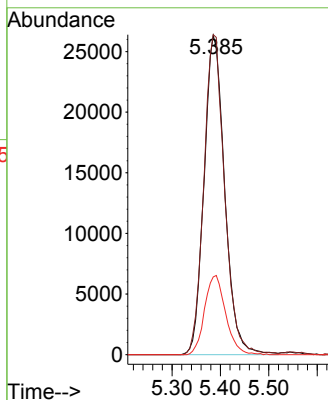
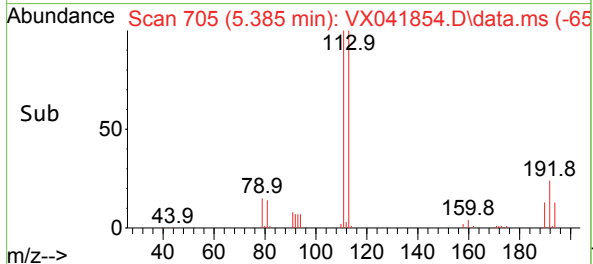


#35
Dibromofluoromethane
Concen: 44.151 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Instrument :
MSVOA_X
ClientSampleId :

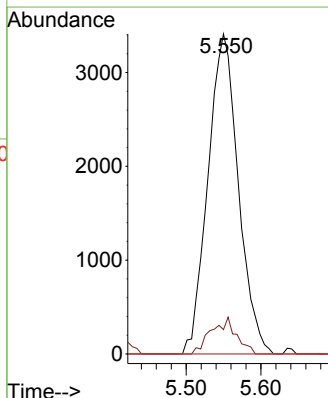
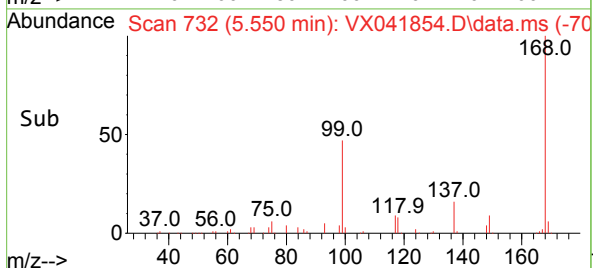
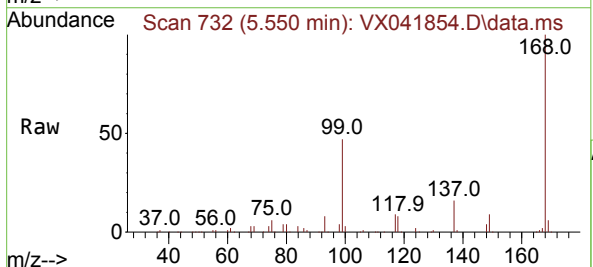


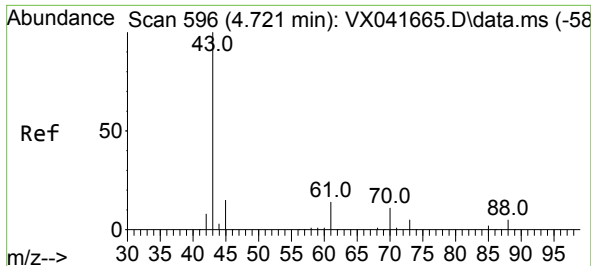
Tgt Ion:113 Resp: 78110
Ion Ratio Lower Upper
113 100
111 100.7 82.9 124.3
192 25.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion: 75 Resp: 9644
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.055 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.025 min

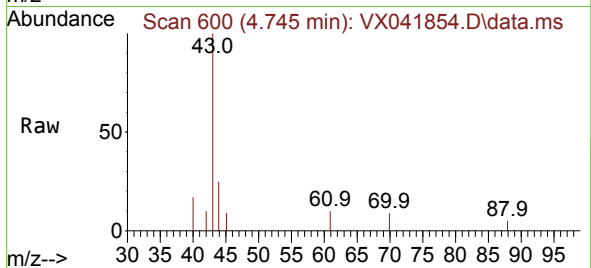
Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

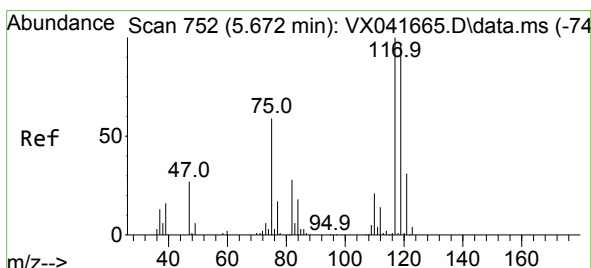
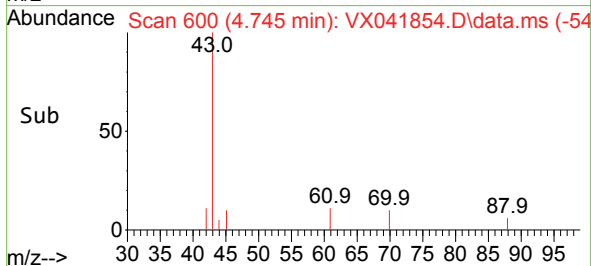
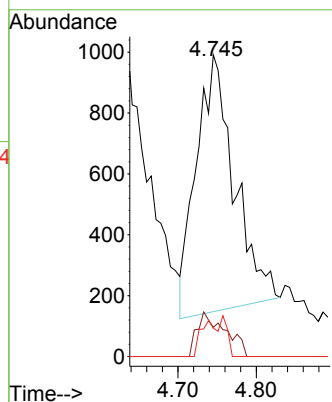
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2851
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	8.9	8.3	12.5



#38

Carbon Tetrachloride

Concen: 5.674 ug/l

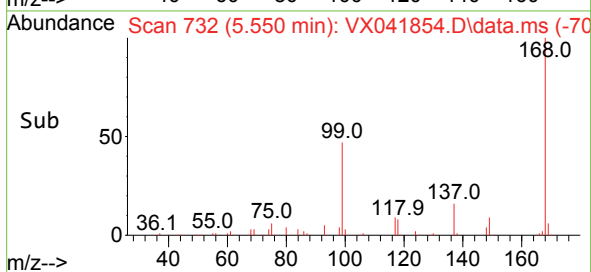
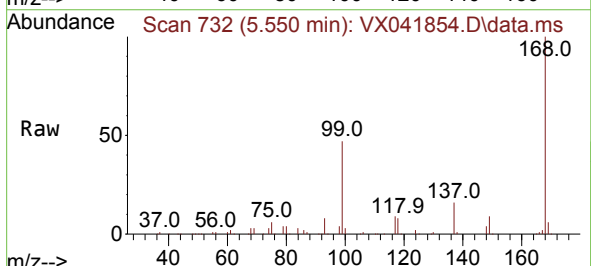
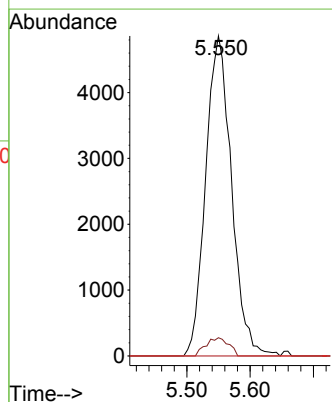
RT: 5.550 min Scan# 732

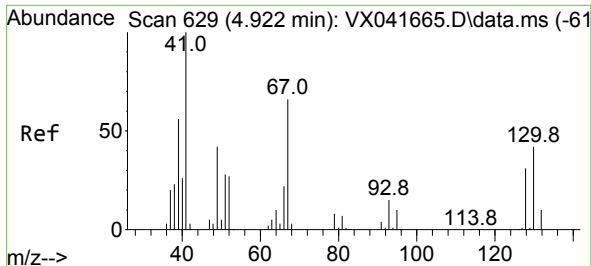
Delta R.T. -0.122 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

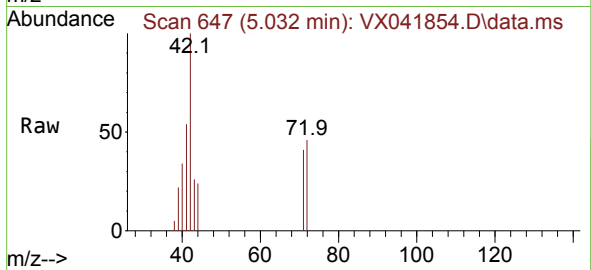
Tgt Ion:	117	Resp:	13809
Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.2	117.2#
121	0.0	24.4	36.6#



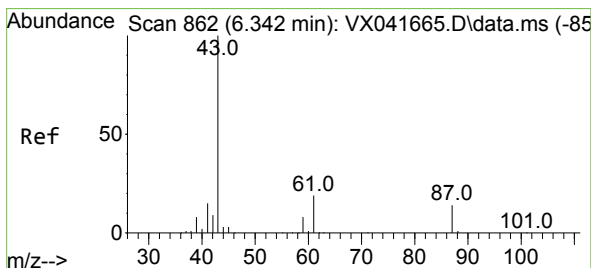
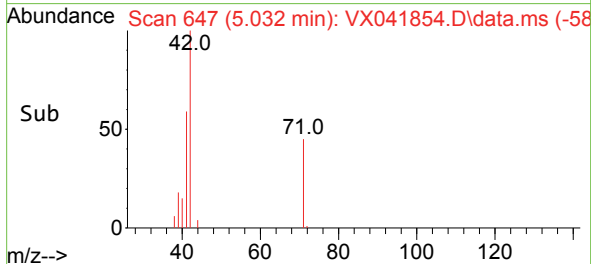
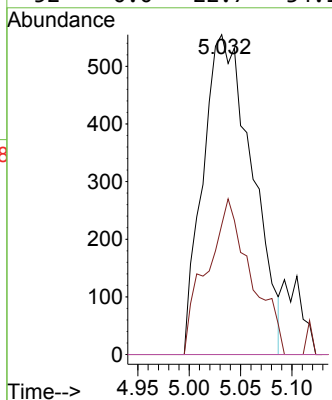


#41
Methacrylonitrile
Concen: 1.396 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Instrument :
MSVOA_X
ClientSampleId :

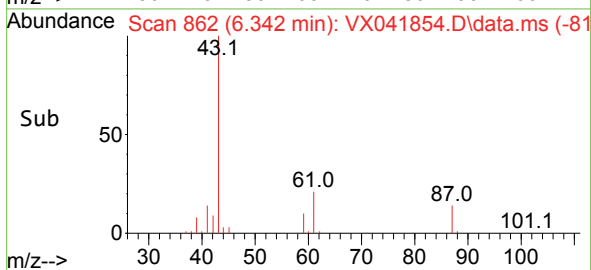
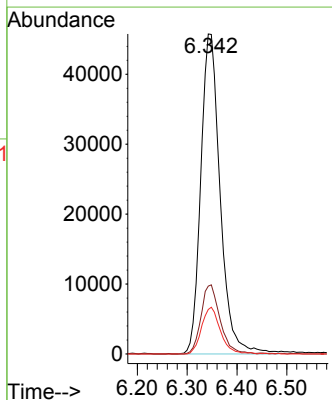
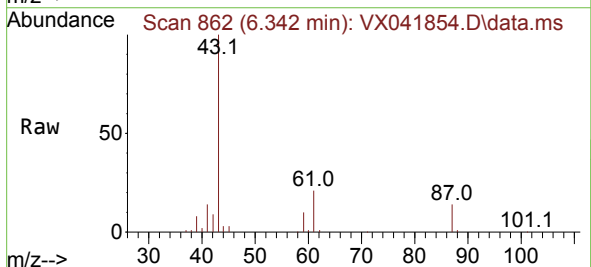


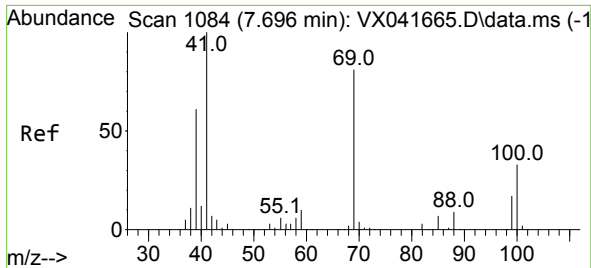
Tgt Ion: 41	Resp: 1846
Ion Ratio	Lower Upper
41	100
39	44.0 45.2 67.8#
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 30.286 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion: 43	Resp: 123618
Ion Ratio	Lower Upper
43	100
61	21.2 15.2 22.8
87	14.1 9.8 14.6

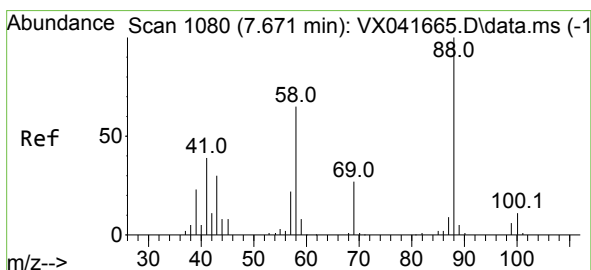
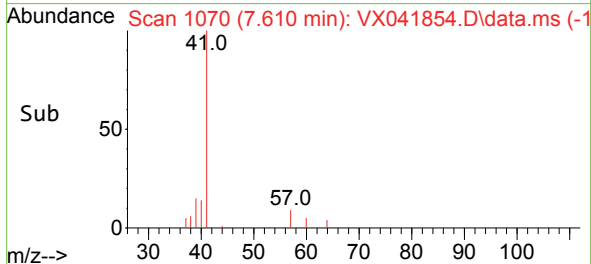
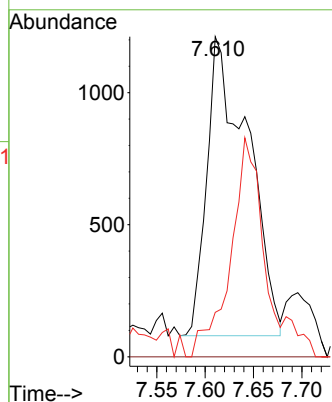
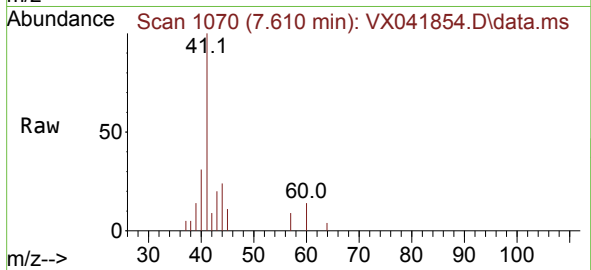




#48
Methyl methacrylate
Concen: 1.696 ug/l
RT: 7.610 min Scan# 1101
Delta R.T. -0.085 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

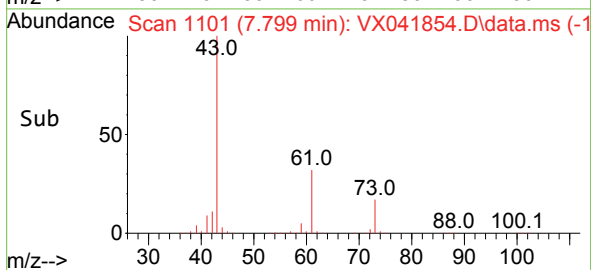
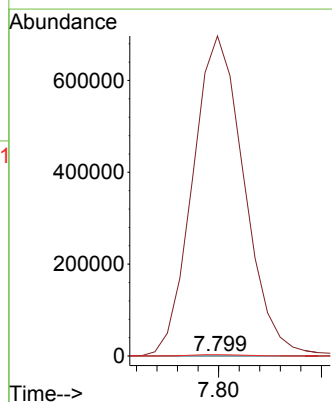
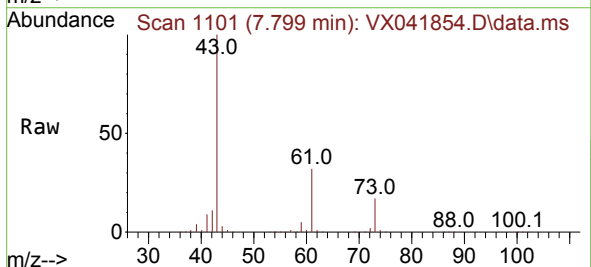
Instrument :
MSVOA_X
ClientSampleId :

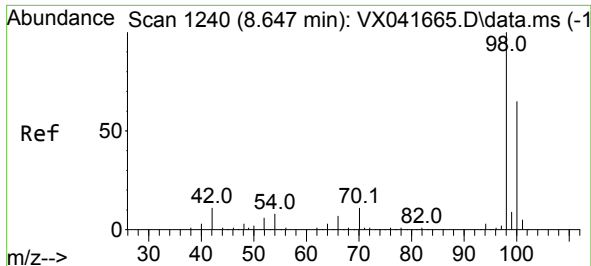
Tgt Ion: 41 Resp: 3325
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 4.553 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion: 88 Resp: 195
Ion Ratio Lower Upper
88 100
43 631095.9 0.0 0.0#
58 2859.0 60.1 90.1#

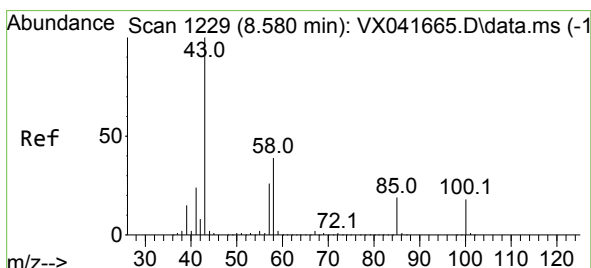
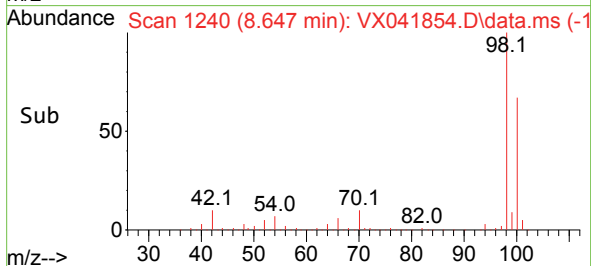
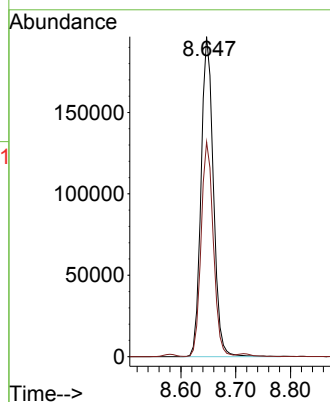
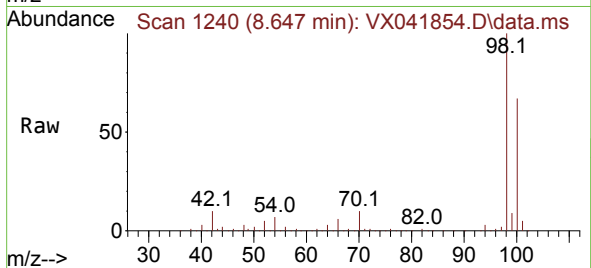




#50
Toluene-d8
Concen: 49.679 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

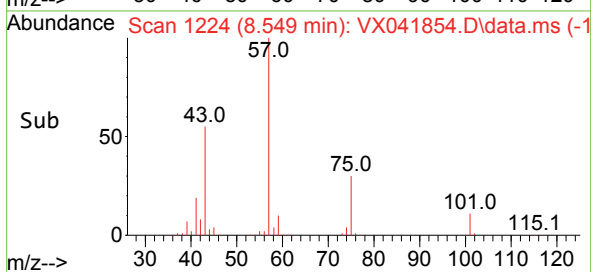
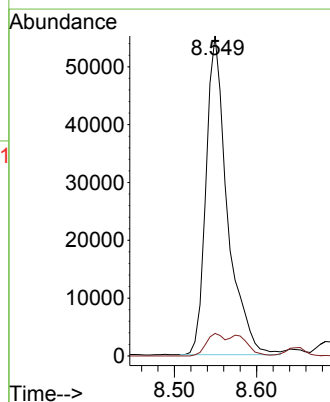
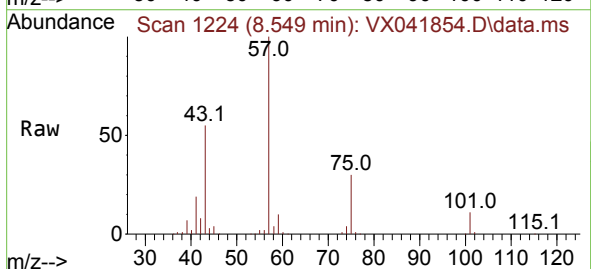
Instrument :
MSVOA_X
ClientSampleId :

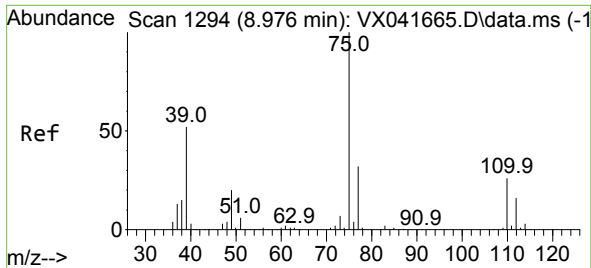
Tgt Ion: 98 Resp: 307096
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.613 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

Tgt Ion: 43 Resp: 99552
Ion Ratio Lower Upper
43 100
58 6.0 30.4 45.6#

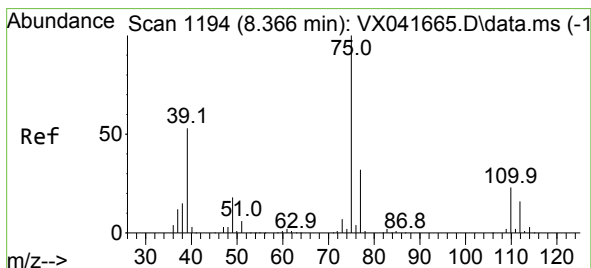
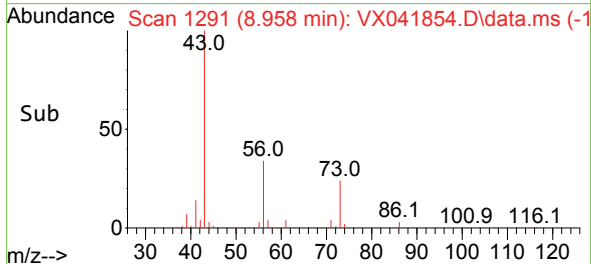
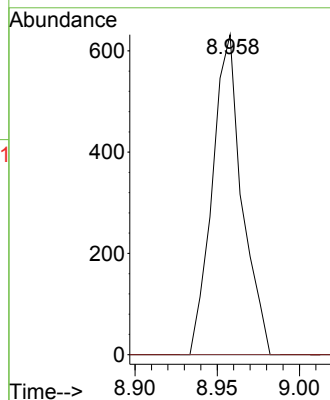
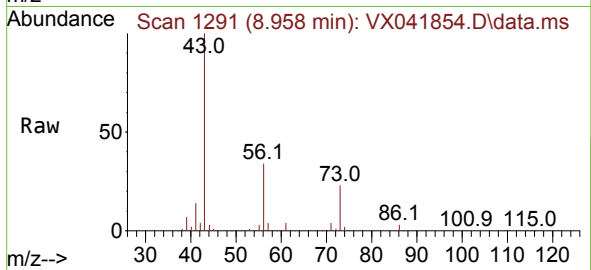




#53
 t-1,3-Dichloropropene
 Concen: 0.358 ug/l
 RT: 8.958 min Scan# 1122
 Delta R.T. -0.018 min
 Lab File: VX041854.D
 Acq: 13 Jun 2024 15:18

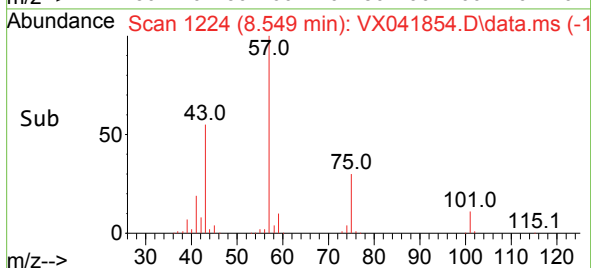
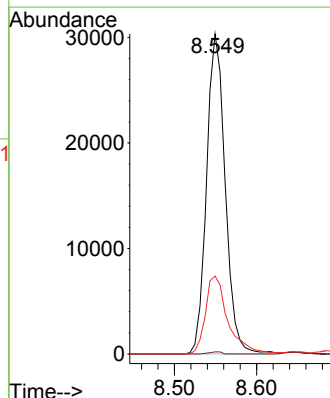
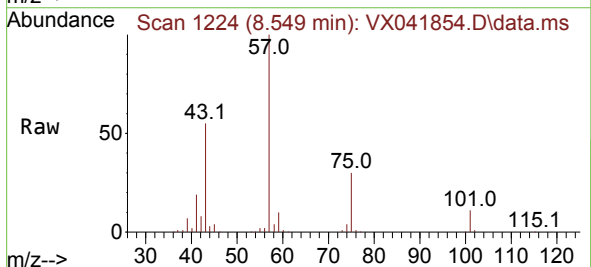
Instrument :
 MSVOA_X
 ClientSampleId :

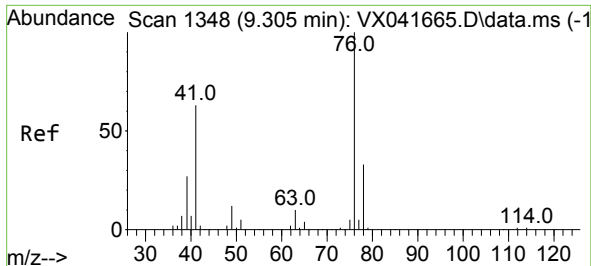
Tgt Ion: 75 Resp: 796
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.415 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041854.D
 Acq: 13 Jun 2024 15:18

Tgt Ion: 75 Resp: 47799
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 24.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.402 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Instrument :

MSVOA_X

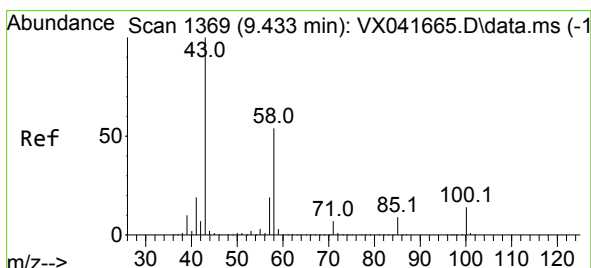
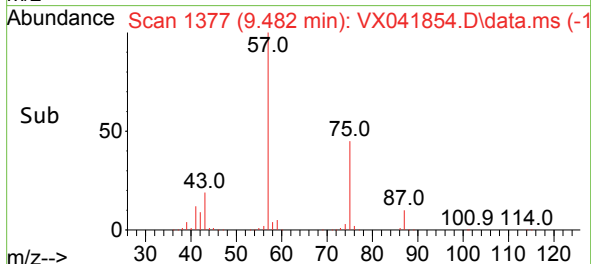
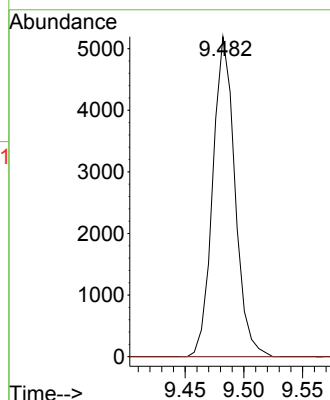
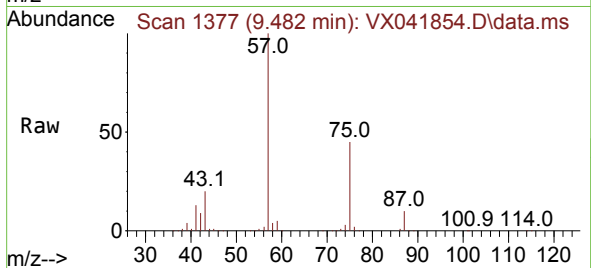
ClientSampleId :

Tgt Ion: 76 Resp: 6831

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.113 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041854.D

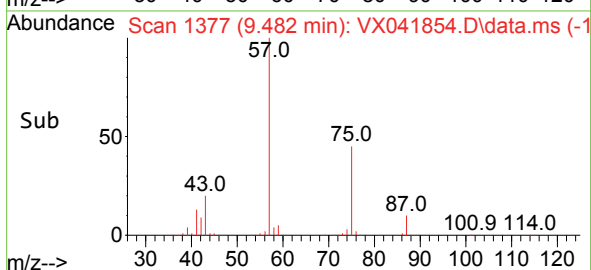
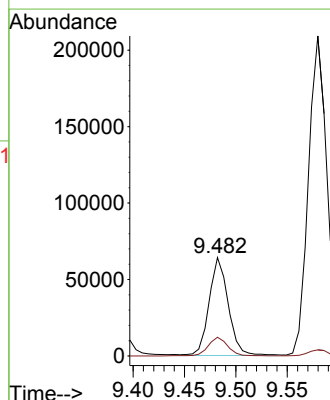
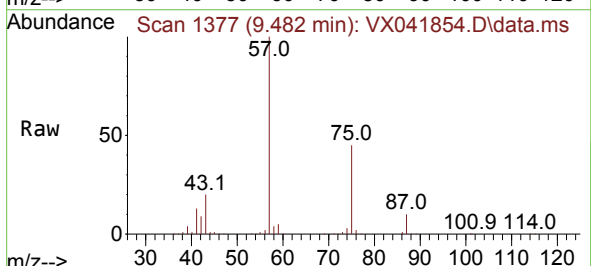
Acq: 13 Jun 2024 15:18

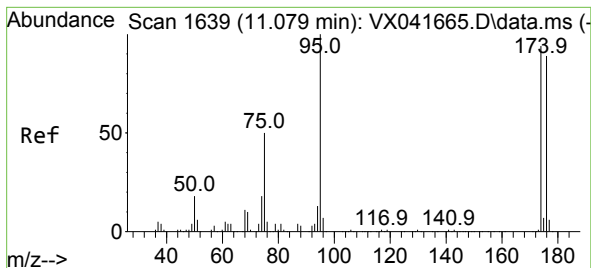
Tgt Ion: 43 Resp: 82963

Ion Ratio Lower Upper

43 100

58 20.0 26.2 78.5#

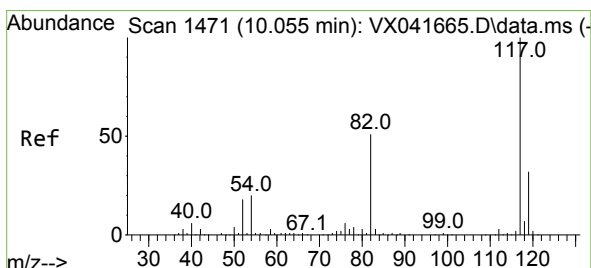
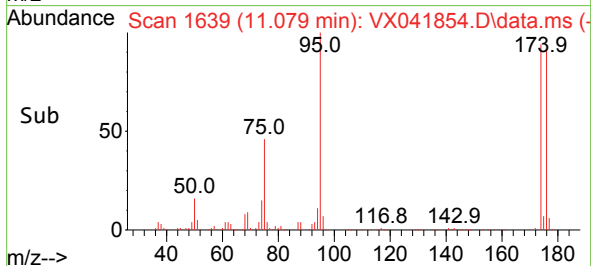
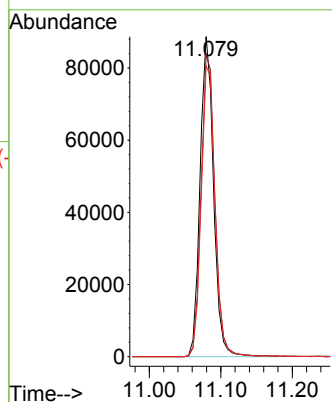
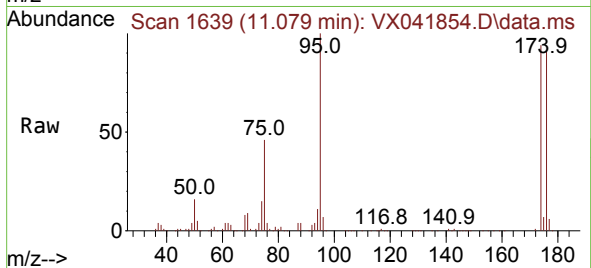




#62
4-Bromofluorobenzene
Concen: 50.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

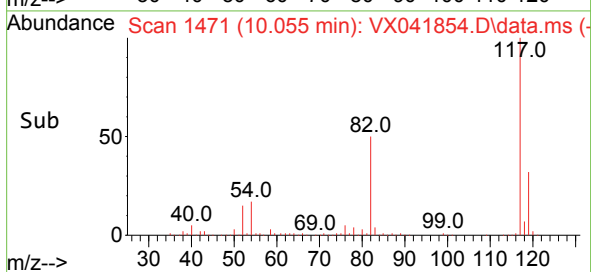
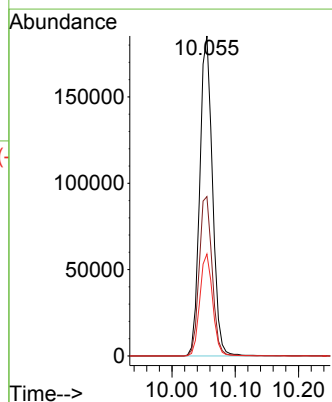
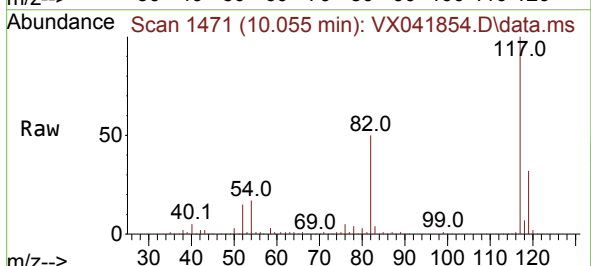
Instrument :
MSVOA_X
ClientSampleId :

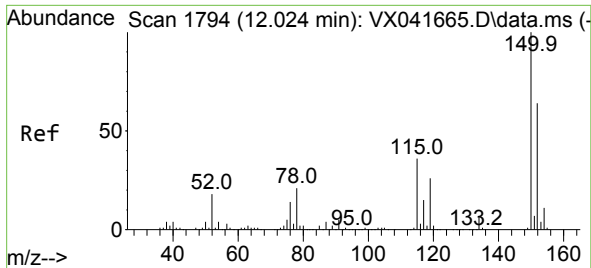
Tgt Ion: 95 Resp: 115960
Ion Ratio Lower Upper
95 100
174 97.3 0.0 135.6
176 93.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

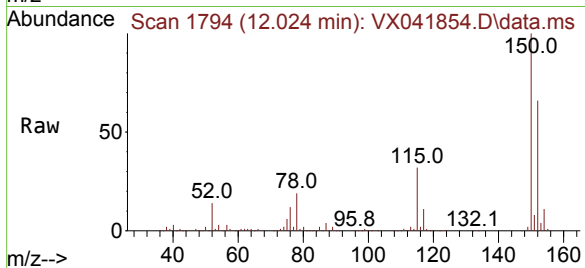
Tgt Ion: 117 Resp: 259510
Ion Ratio Lower Upper
117 100
82 49.8 46.2 69.4
119 31.9 25.5 38.3



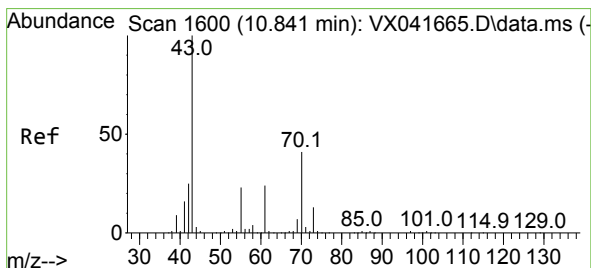
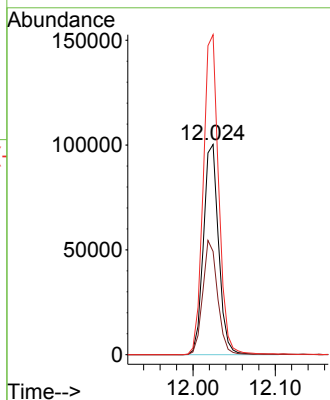
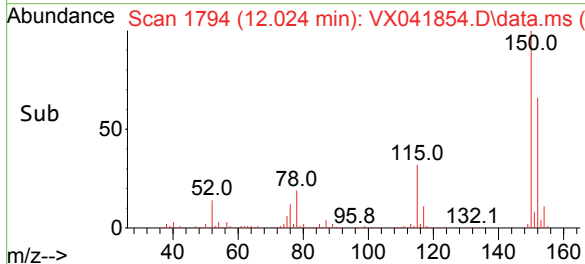


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18

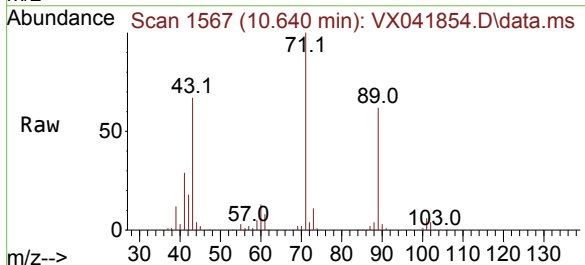
Instrument :
MSVOA_X
ClientSampleId :



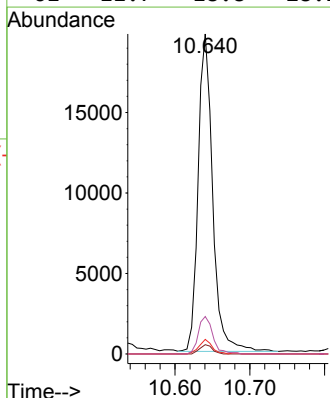
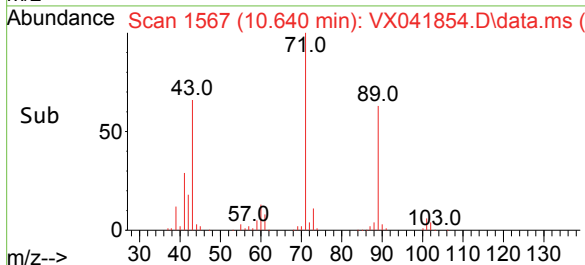
Tgt Ion:152 Resp: 128586
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 155.2 0.0 345.0

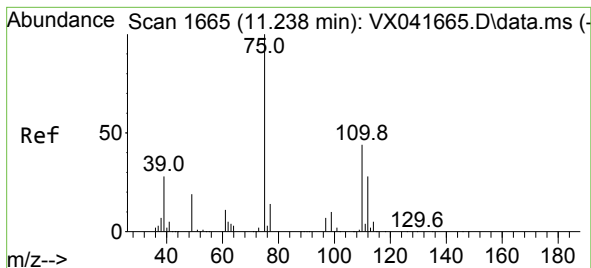


#74
N-ethyl acetate
Concen: 7.517 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX041854.D
Acq: 13 Jun 2024 15:18



Tgt Ion: 43 Resp: 26558
Ion Ratio Lower Upper
43 100
70 2.5 32.9 49.3#
55 4.1 19.3 28.9#
61 11.7 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.749 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Instrument :

MSVOA_X

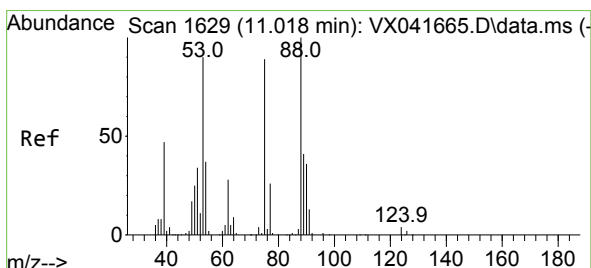
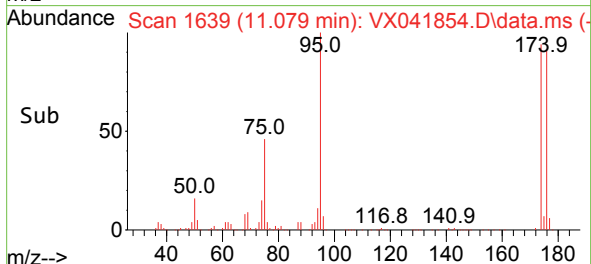
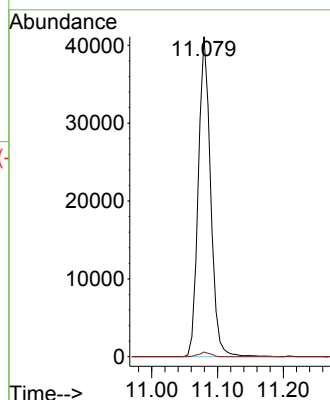
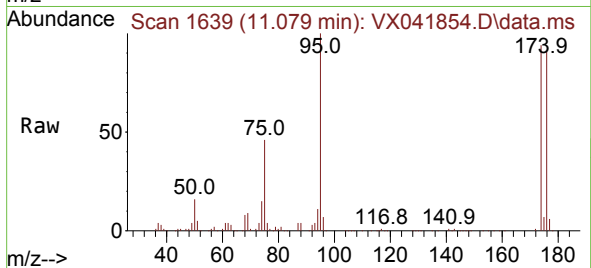
ClientSampleId :

Tgt Ion: 75 Resp: 53282

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.727 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041854.D

Acq: 13 Jun 2024 15:18

Tgt Ion: 75 Resp: 53282

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

