

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061324\
 Data File : VX041857.D
 Acq On : 13 Jun 2024 16:28
 Operator : JC/MD
 Sample : PB161467ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:00:58 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)

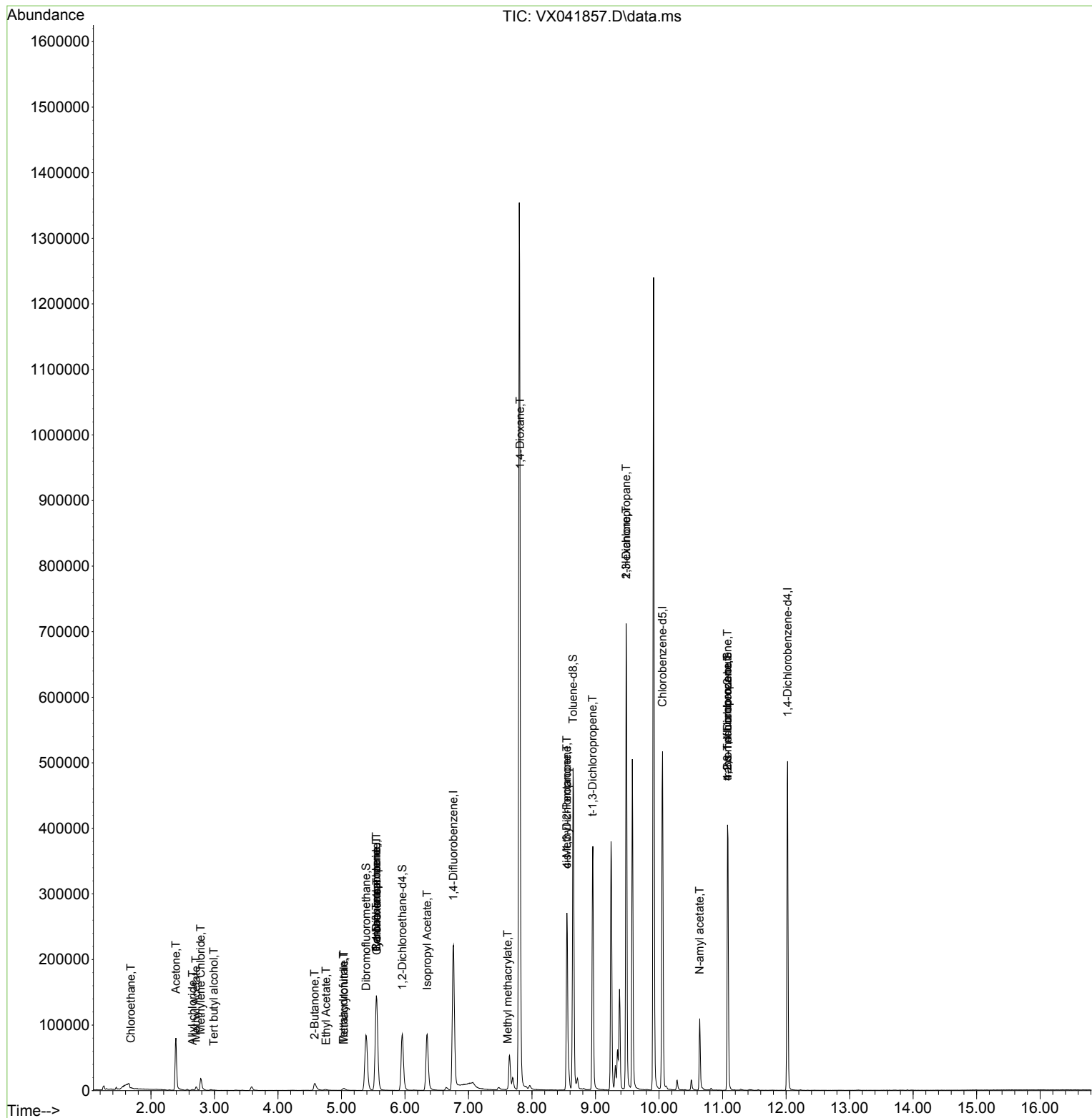
Internal Standards						
1) Pentafluorobenzene	5.550	168	158538	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	251027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82049	42.197	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.400%		
35) Dibromofluoromethane	5.385	113	76659	44.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.340%		
50) Toluene-d8	8.647	98	300306	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.040%		
62) 4-Bromofluorobenzene	11.079	95	111187	49.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.360%		
Target Compounds						
						Qvalue
6) Chloroethane	1.685	64	330	0.349	ug/l	# 43
11) Tert butyl alcohol	2.989	59	912	2.651	ug/l	# 78
14) Allyl chloride	2.654	41	1529	0.658	ug/l	# 41
16) Acetone	2.392	43	90983	105.042	ug/l	# 89
18) Methyl Acetate	2.709	43	6924	3.729	ug/l	97
20) Methylene Chloride	2.782	84	10703	6.151	ug/l	88
25) 2-Butanone	4.574	43	22046	18.243	ug/l	100
29) Tetrahydrofuran	5.031	42	3594	4.716	ug/l	93
31) Cyclohexane	5.556	56	2212	0.964	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9290	4.421	ug/l	# 51
37) Ethyl Acetate	4.757	43	3614	1.363	ug/l	# 84
38) Carbon Tetrachloride	5.550	117	13173	5.517	ug/l	# 16
41) Methacrylonitrile	5.038	41	1929	1.487	ug/l	# 46
43) Isopropyl Acetate	6.348	43	121424	30.324	ug/l	95
48) Methyl methacrylate	7.616	41	3617	1.881	ug/l	# 16
49) 1,4-Dioxane	7.811	88	260	6.188	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	98593	37.971	ug/l	# 46
53) t-1,3-Dichloropropene	8.951	75	921	0.422	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	47054	19.482	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	6416	2.300	ug/l	# 42
59) 2-Hexanone	9.482	43	81363	41.100	ug/l	# 55
74) N-amyl acetate	10.640	43	25932	7.847	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	49653	23.662	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49653	64.492	ug/l	# 5

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

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Quant Time: Jun 14 01:00:58 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

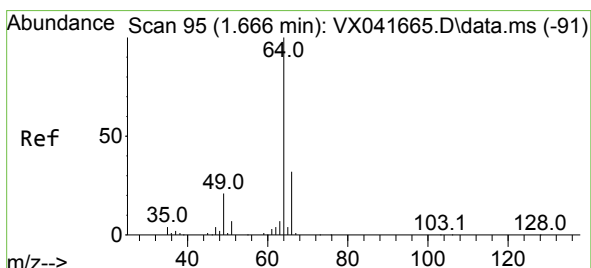
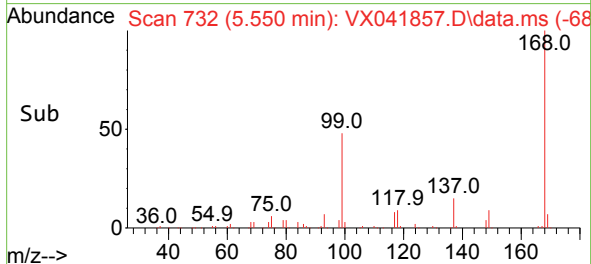
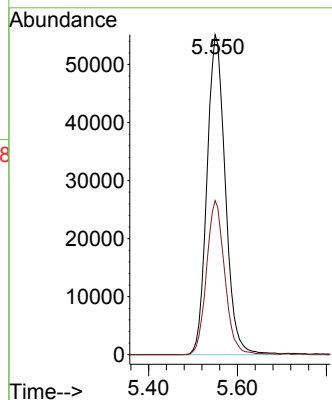
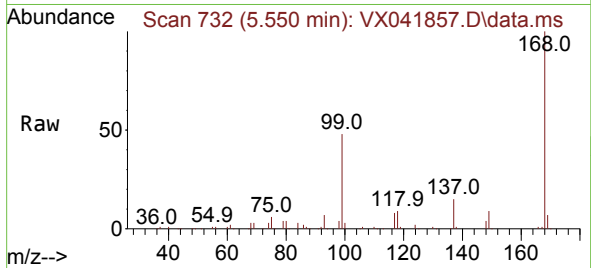




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

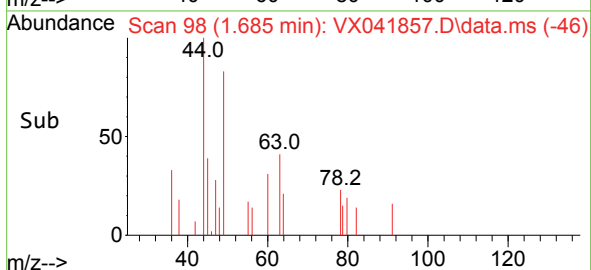
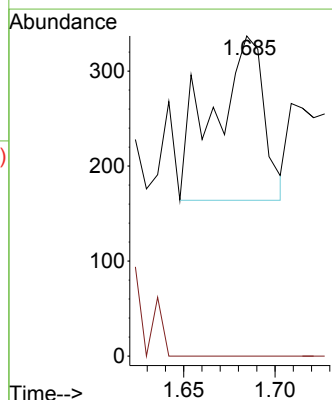
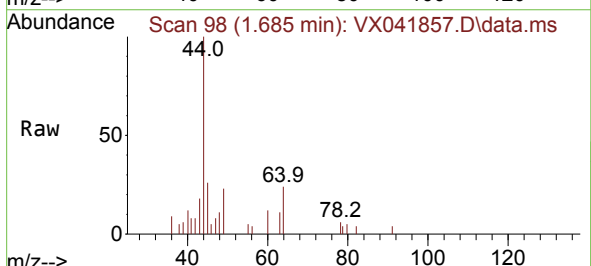
Instrument :
MSVOA_X
ClientSampleId :

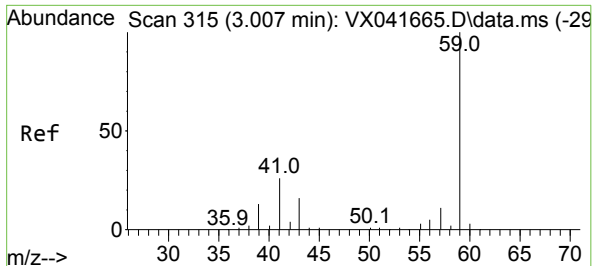
Tgt Ion:168 Resp: 158538
Ion Ratio Lower Upper
168 100
99 48.1 56.6 85.0#



#6
Chloroethane
Concen: 0.349 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 64 Resp: 330
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.651 ug/l

RT: 2.989 min Scan# 315

Delta R.T. -0.018 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

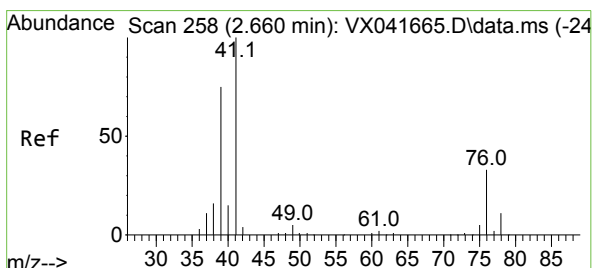
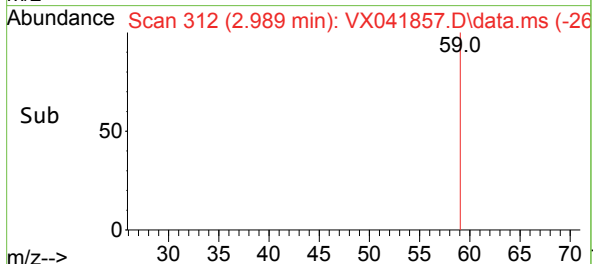
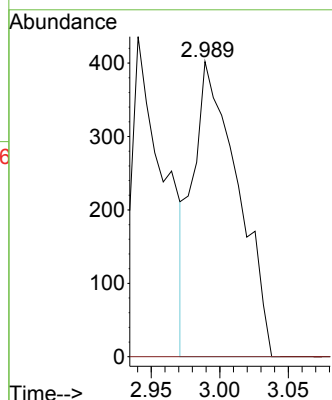
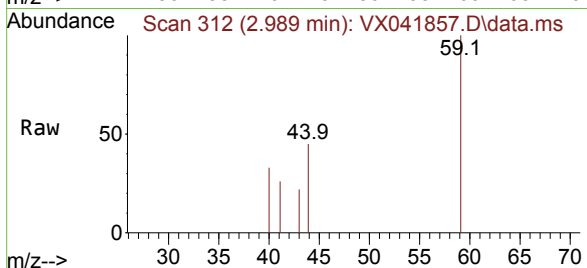
ClientSampleId :

Tgt Ion: 59 Resp: 912

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.658 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

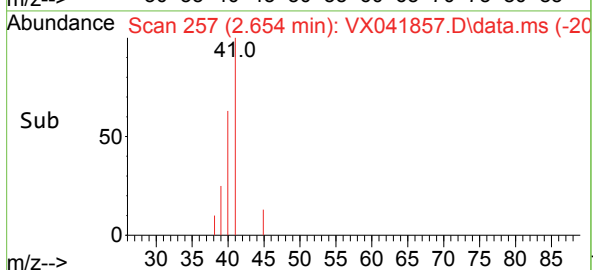
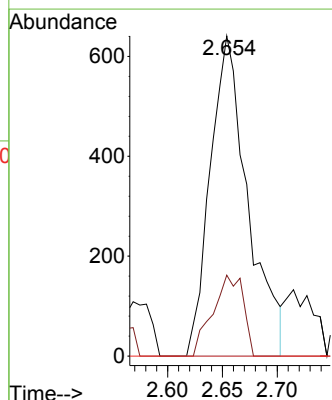
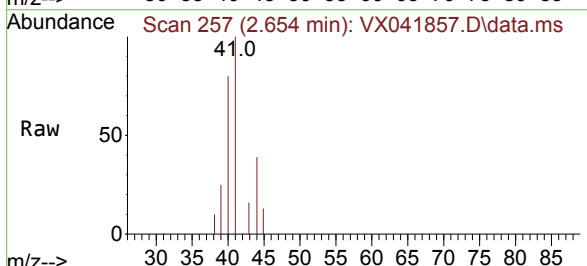
Tgt Ion: 41 Resp: 1529

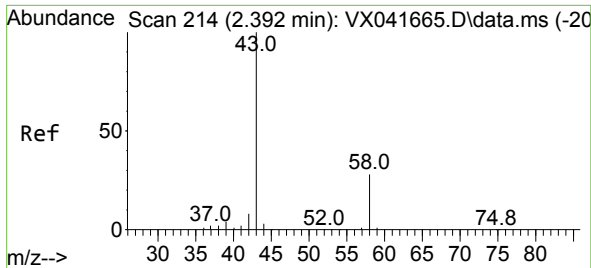
Ion Ratio Lower Upper

41 100

39 20.5 55.8 83.6#

76 0.0 24.3 36.5#

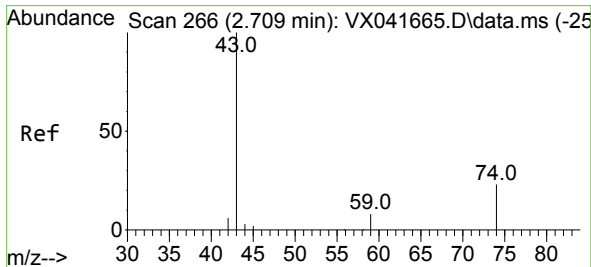
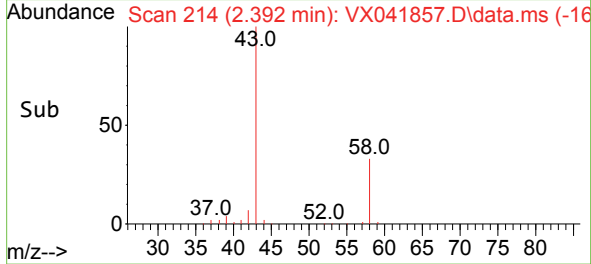
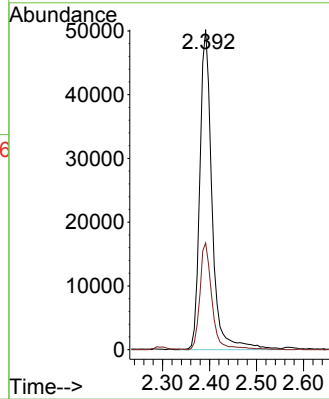
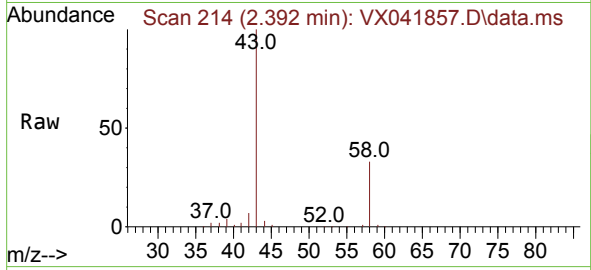




#16
Acetone
Concen: 105.042 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

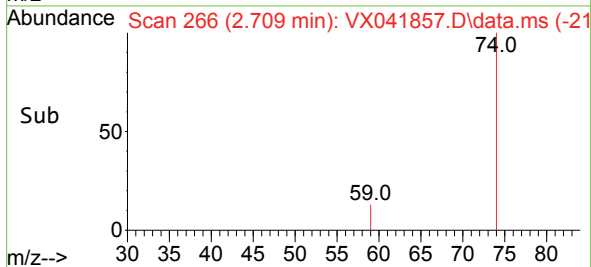
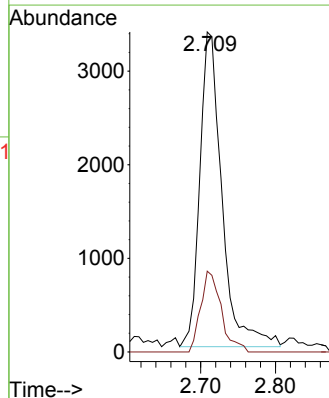
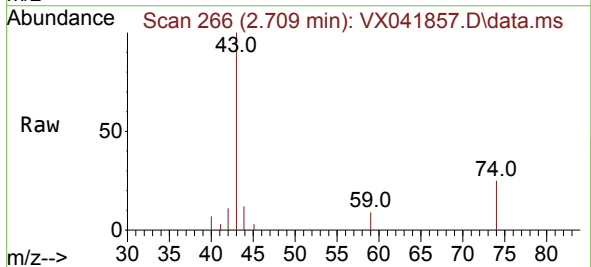
Instrument :
MSVOA_X
ClientSampleId :

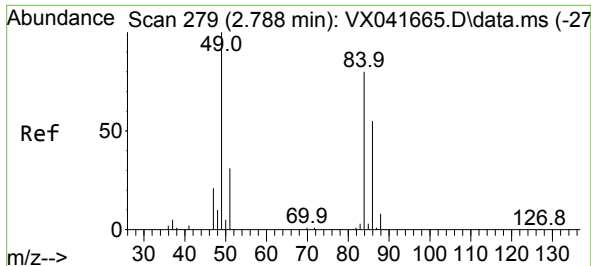
Tgt Ion: 43 Resp: 90983
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#



#18
Methyl Acetate
Concen: 3.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8





#20

Methylene Chloride

Concen: 6.151 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

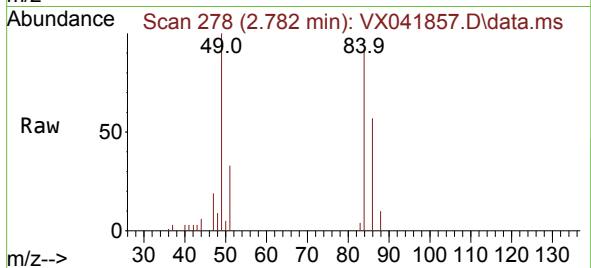
Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 10703

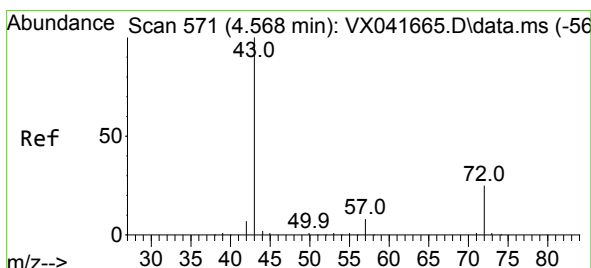
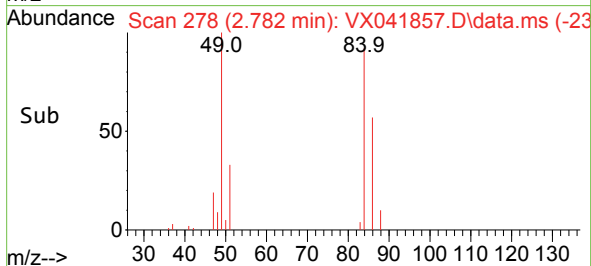
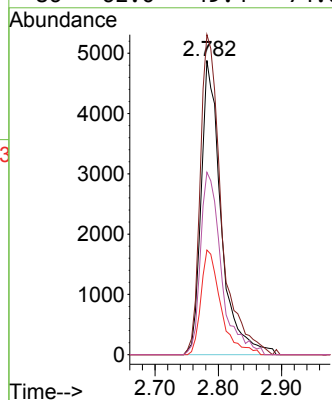
Ion Ratio Lower Upper

84 100

49 108.8 103.6 155.4

51 35.6 33.8 50.6

86 62.0 49.4 74.0



#25

2-Butanone

Concen: 18.243 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX041857.D

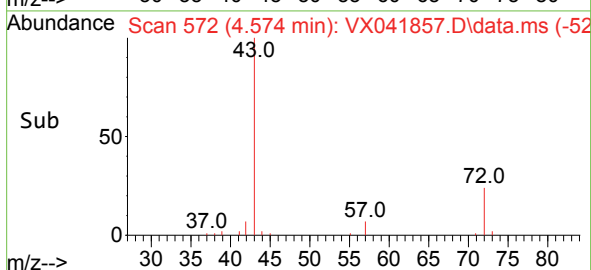
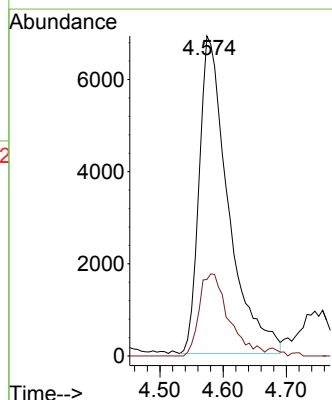
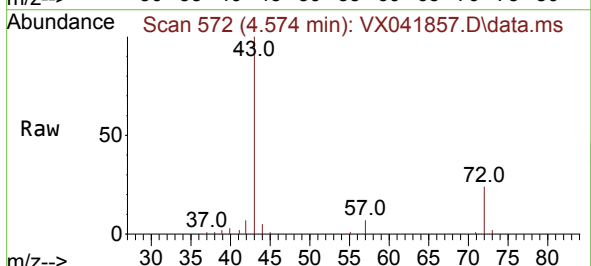
Acq: 13 Jun 2024 16:28

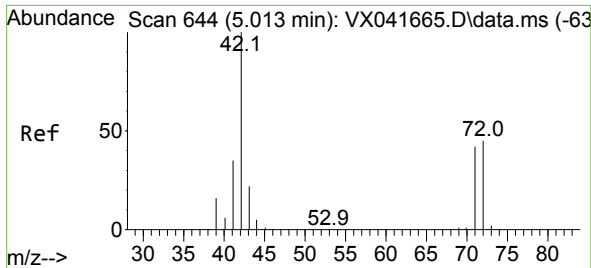
Tgt Ion: 43 Resp: 22046

Ion Ratio Lower Upper

43 100

72 24.1 19.4 29.2





#29

Tetrahydrofuran

Concen: 4.716 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041857.D

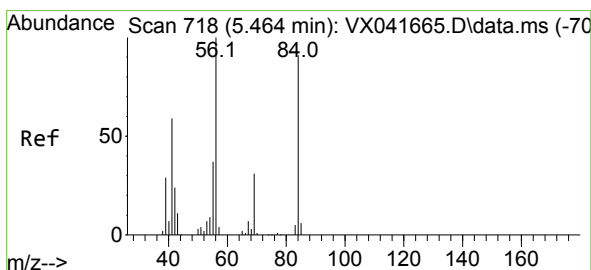
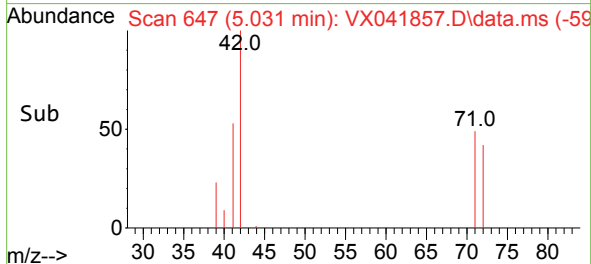
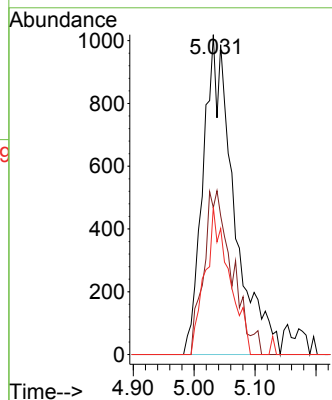
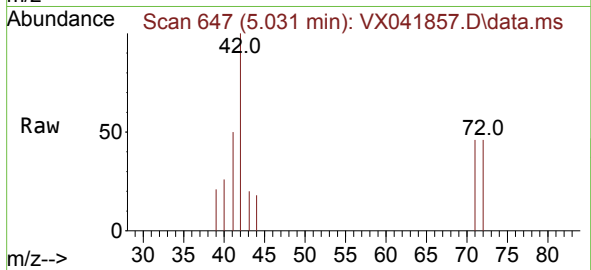
Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3594
Ion	Ratio	Lower	Upper
42	100		
72	47.0	34.2	51.4
71	36.1	32.2	48.2



#31

Cyclohexane

Concen: 0.964 ug/l

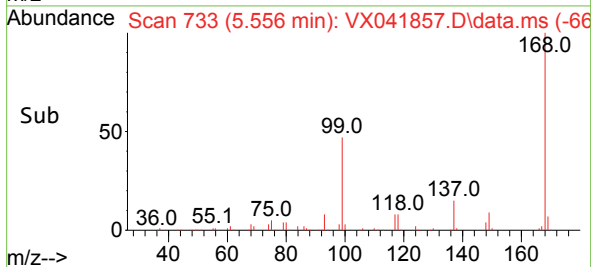
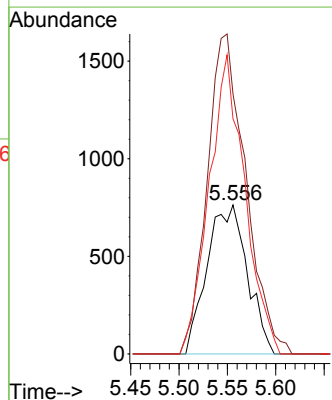
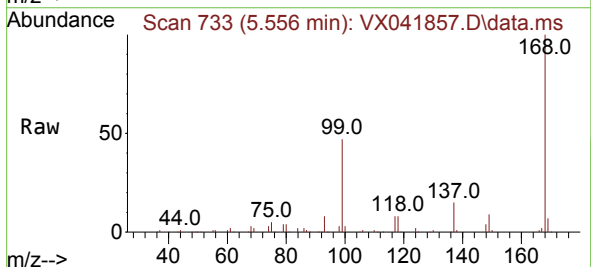
RT: 5.556 min Scan# 733

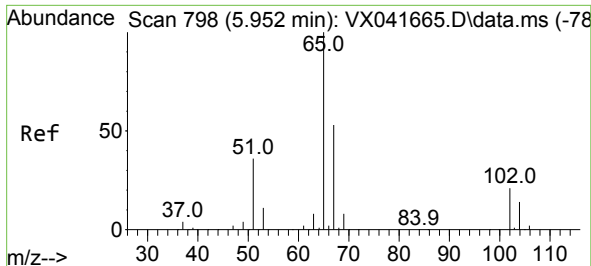
Delta R.T. 0.091 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Tgt Ion:	56	Resp:	2212
Ion	Ratio	Lower	Upper
56	100		
69	174.6	23.4	35.2#
84	157.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.197 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

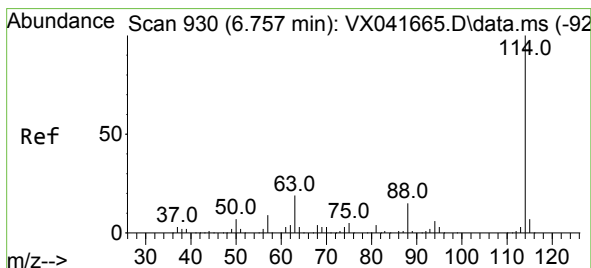
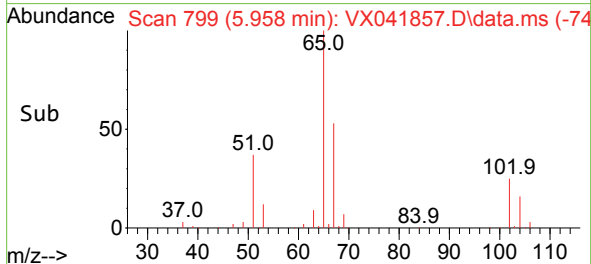
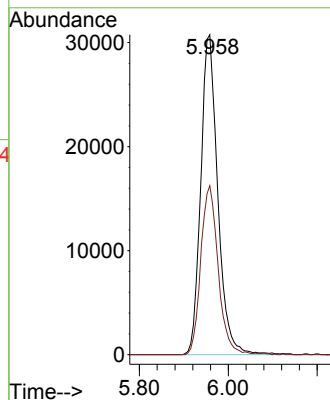
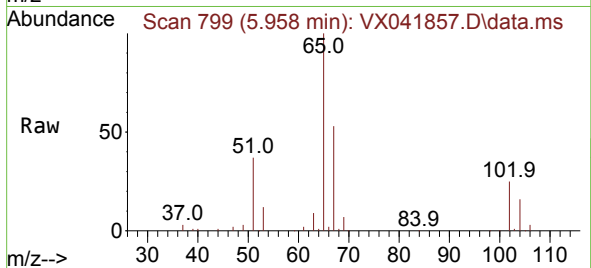
ClientSampleId :

Tgt Ion: 65 Resp: 82049

Ion Ratio Lower Upper

65 100

67 53.9 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: VX041857.D

Acq: 13 Jun 2024 16:28

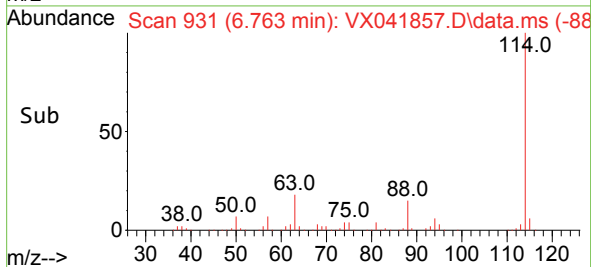
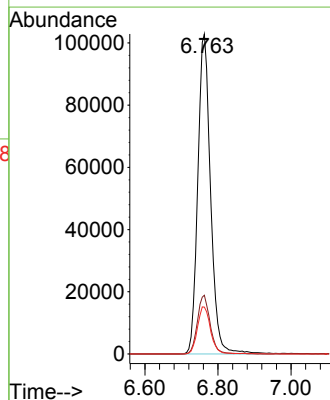
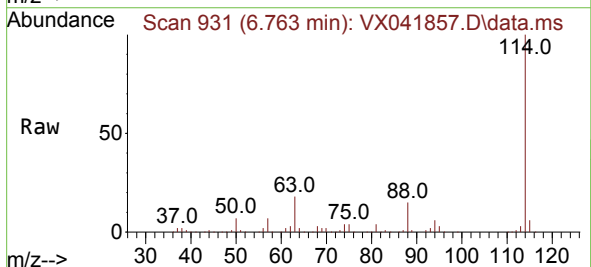
Tgt Ion: 114 Resp: 251027

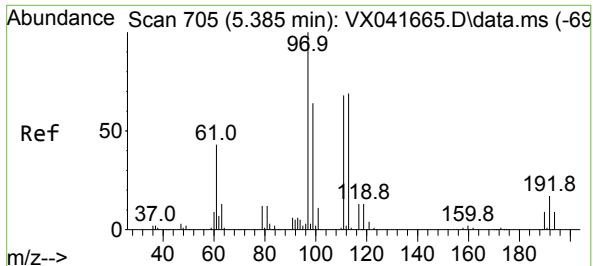
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

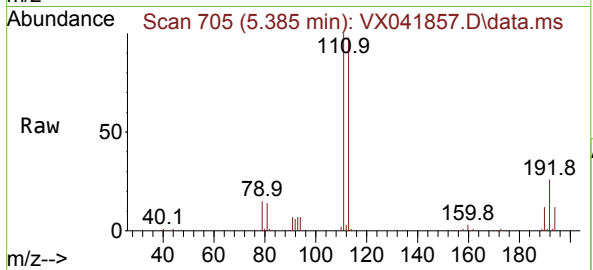
88 14.7 0.0 36.6



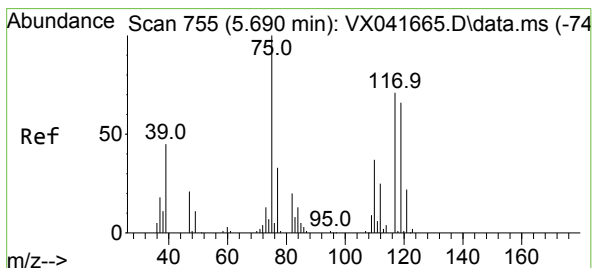
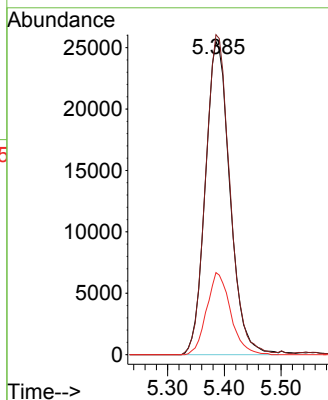
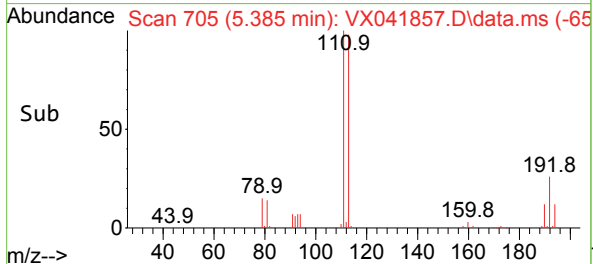


#35
Dibromofluoromethane
Concen: 44.169 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Instrument :
MSVOA_X
ClientSampleId :

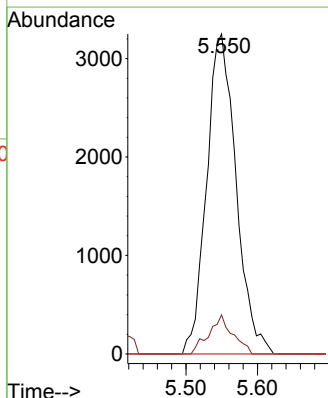
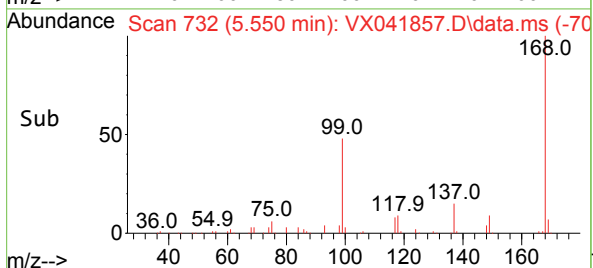
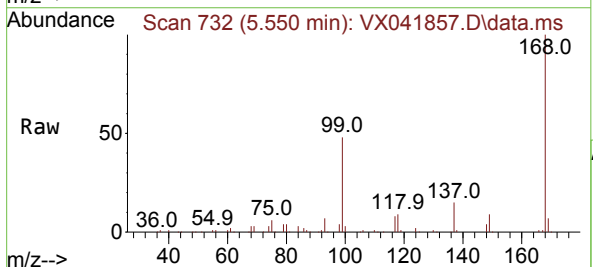


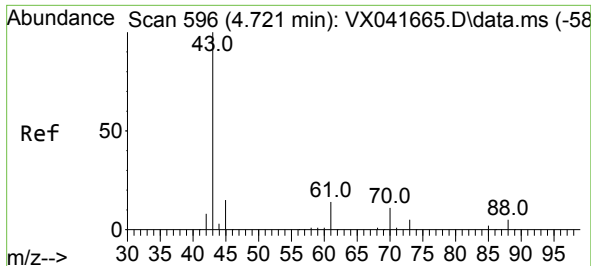
Tgt Ion:113 Resp: 76659
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 25.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.421 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 75 Resp: 9290
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.363 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.037 min

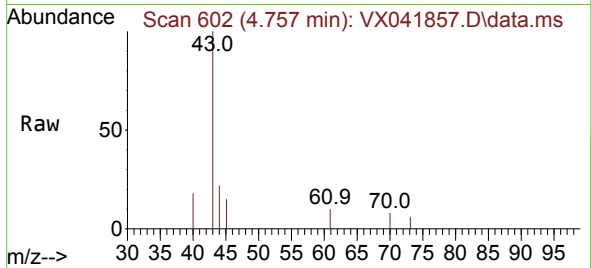
Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

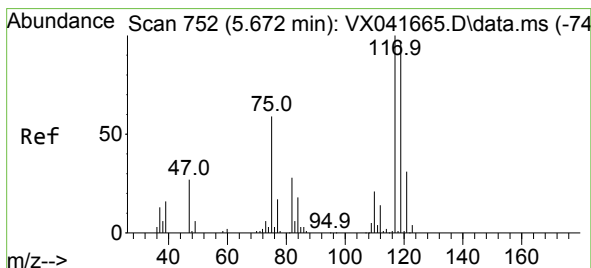
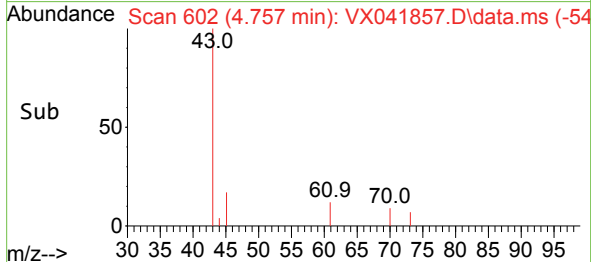
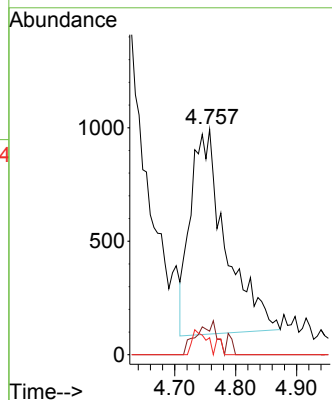
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3614
Ion	Ratio	Lower	Upper
43	100		
61	9.4	10.6	16.0#
70	1.4	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.517 ug/l

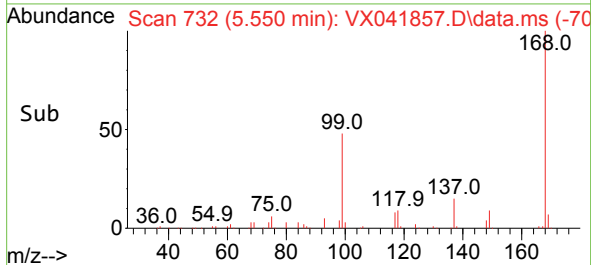
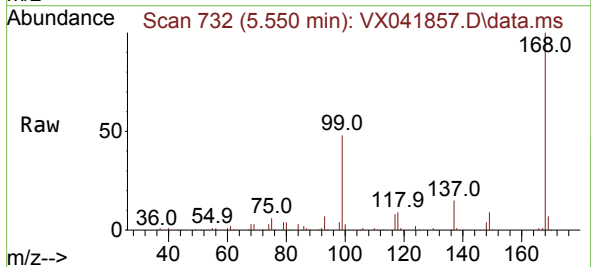
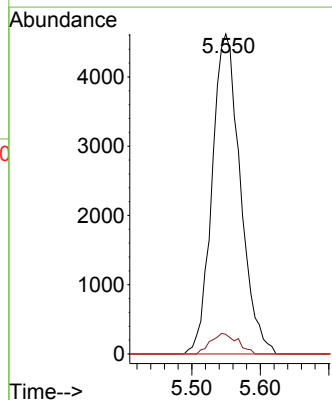
RT: 5.550 min Scan# 732

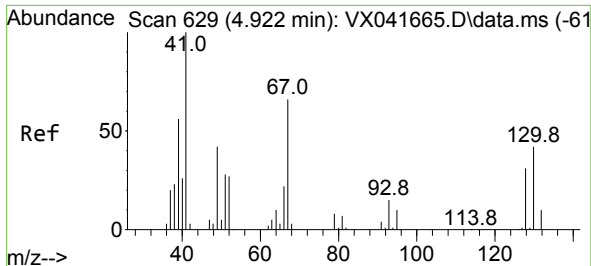
Delta R.T. -0.122 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

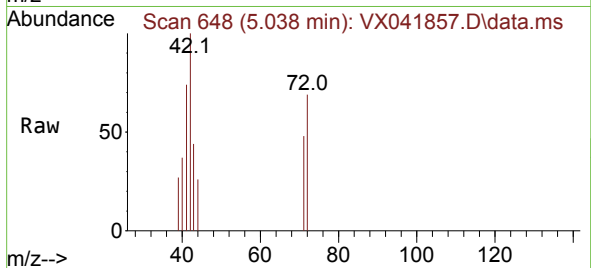
Tgt Ion:	117	Resp:	13173
Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.2	117.2#
121	0.0	24.4	36.6#



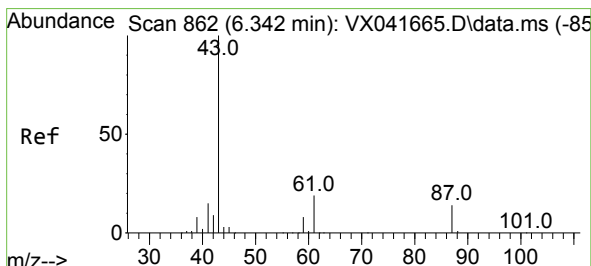
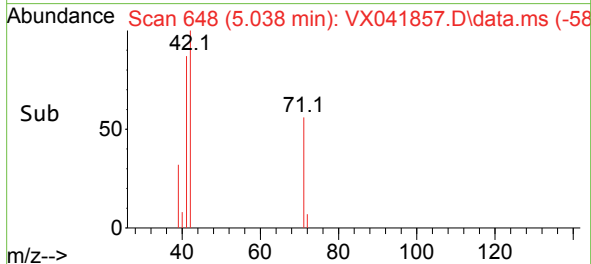
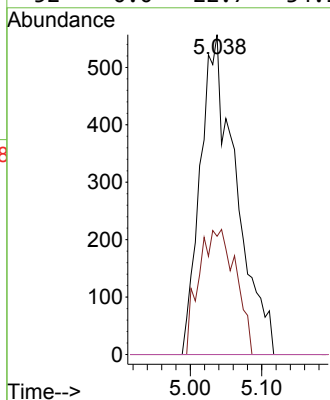


#41
Methacrylonitrile
Concen: 1.487 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Instrument :
MSVOA_X
ClientSampleId :

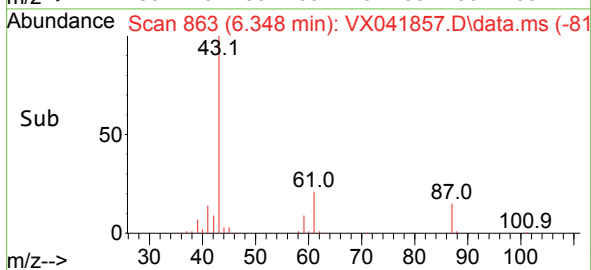
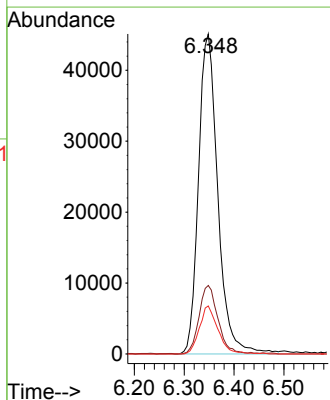
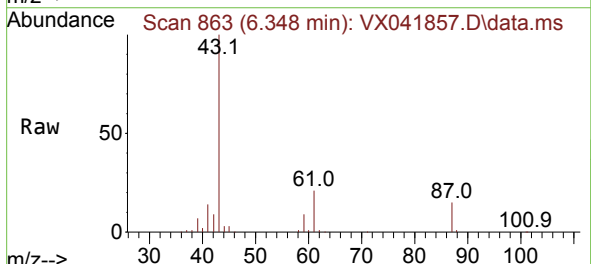


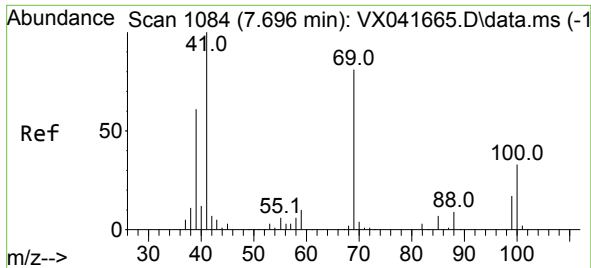
Tgt Ion: 41	Resp: 1929
Ion Ratio	Lower Upper
41	100
39	40.4 45.2 67.8#
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 30.324 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 43	Resp: 121424
Ion Ratio	Lower Upper
43	100
61	21.0 15.2 22.8
87	14.4 9.8 14.6

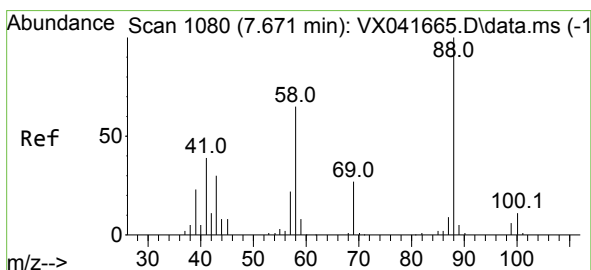
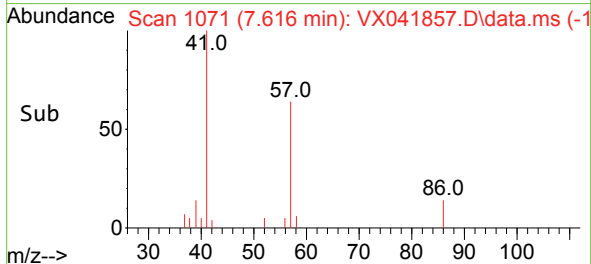
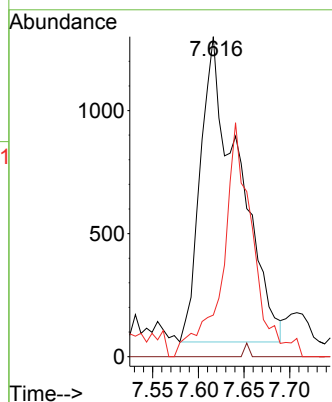
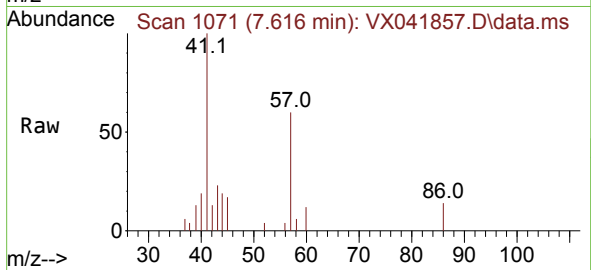




#48
Methyl methacrylate
Concen: 1.881 ug/l
RT: 7.616 min Scan# 1103
Delta R.T. -0.079 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

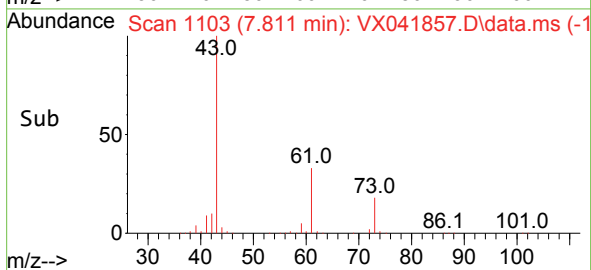
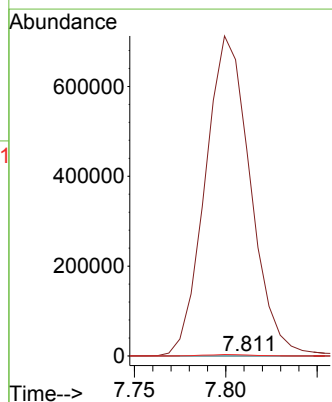
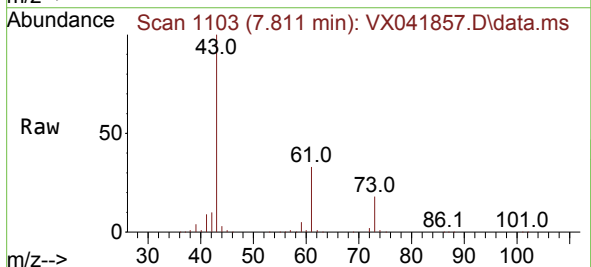
Instrument :
MSVOA_X
ClientSampleId :

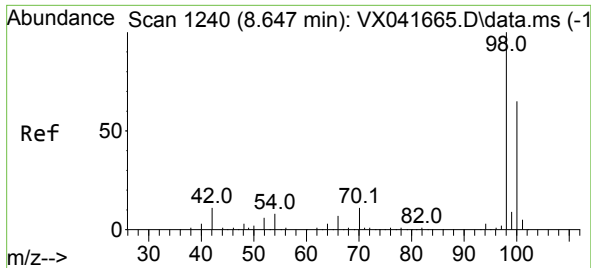
Tgt Ion: 41 Resp: 3617
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 6.188 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.140 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 88 Resp: 260
Ion Ratio Lower Upper
88 100
43 476571.2 0.0 0.0#
58 2156.2 60.1 90.1#

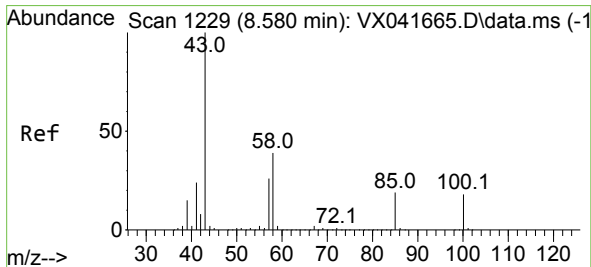
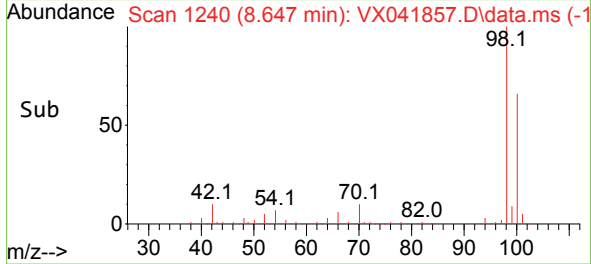
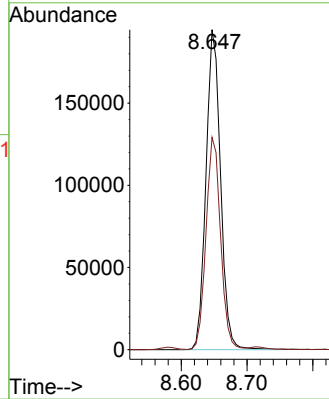
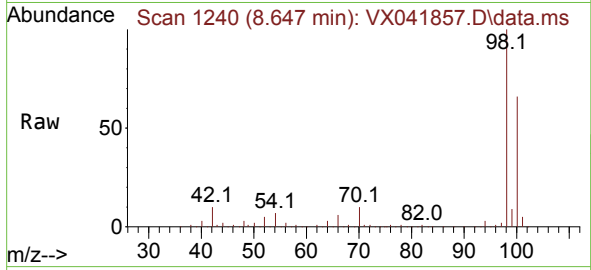




#50
Toluene-d8
Concen: 49.520 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

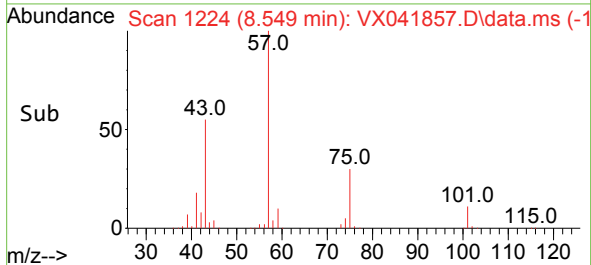
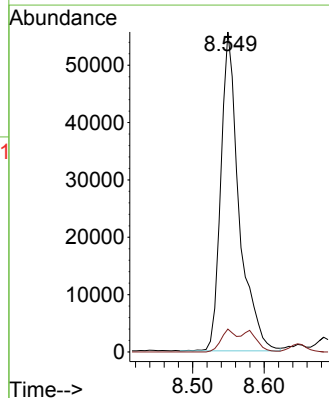
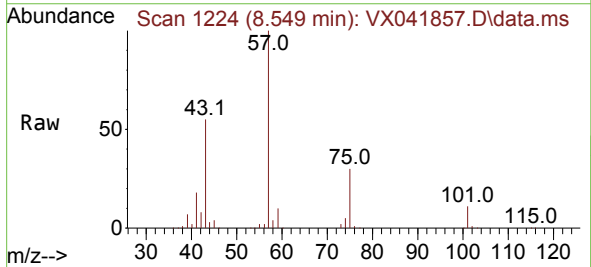
Instrument :
MSVOA_X
ClientSampleId :

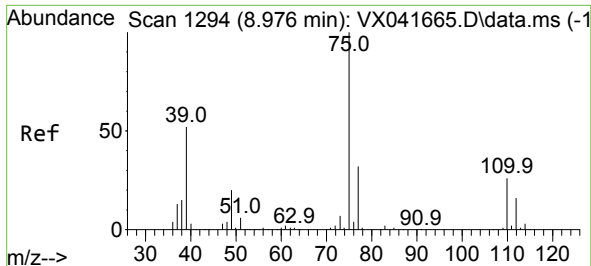
Tgt Ion: 98 Resp: 300306
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.971 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

Tgt Ion: 43 Resp: 98593
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

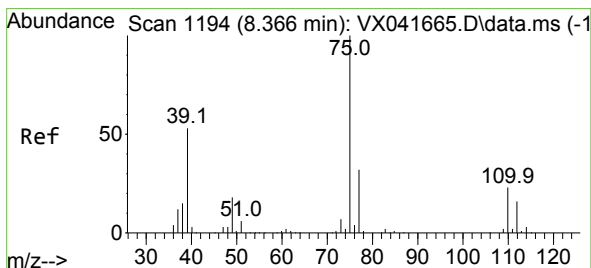
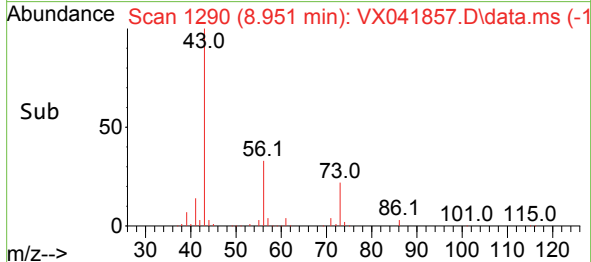
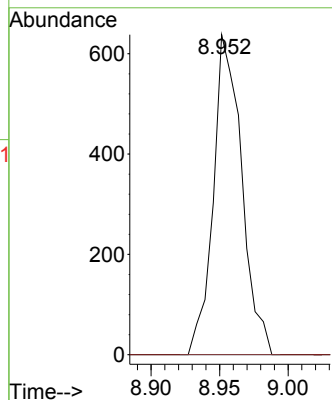
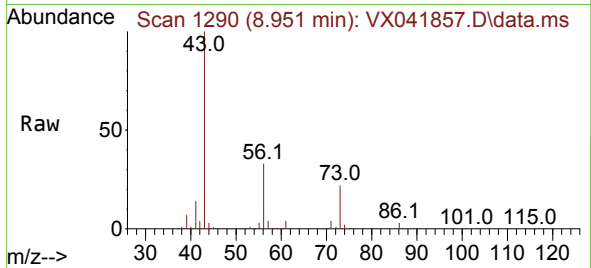




#53
 t-1,3-Dichloropropene
 Concen: 0.422 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041857.D
 Acq: 13 Jun 2024 16:28

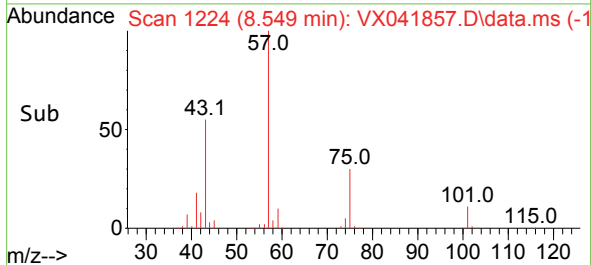
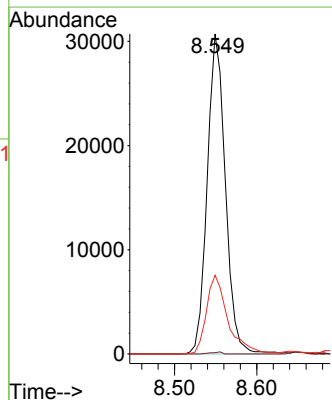
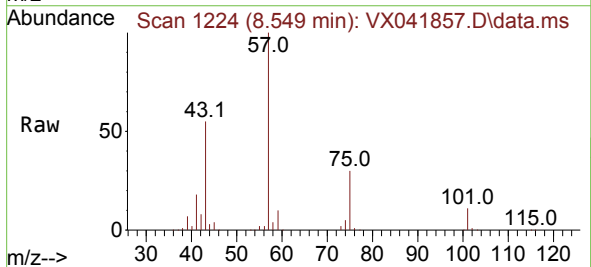
Instrument :
 MSVOA_X
 ClientSampleId :

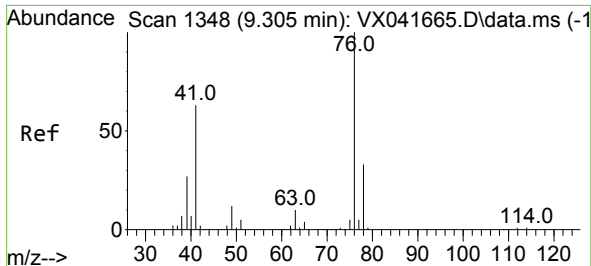
Tgt Ion: 75 Resp: 921
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.482 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041857.D
 Acq: 13 Jun 2024 16:28

Tgt Ion: 75 Resp: 47054
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 24.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.300 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

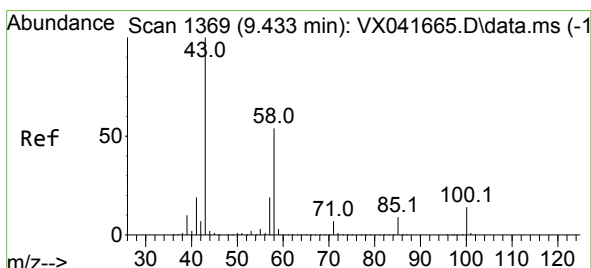
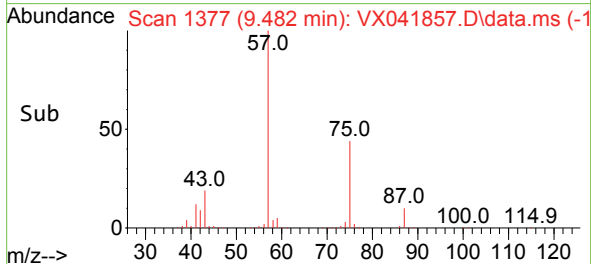
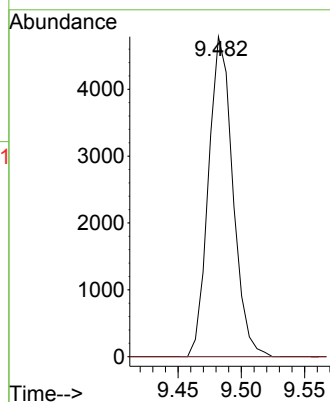
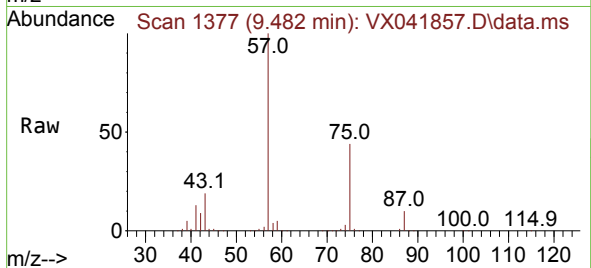
ClientSampleId :

Tgt Ion: 76 Resp: 6416

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.100 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041857.D

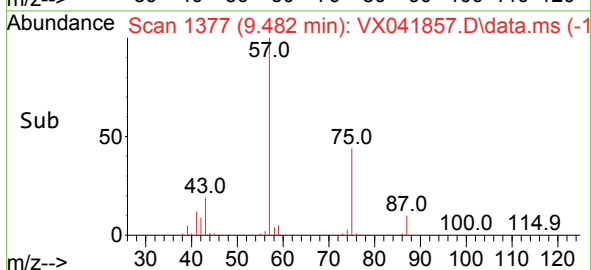
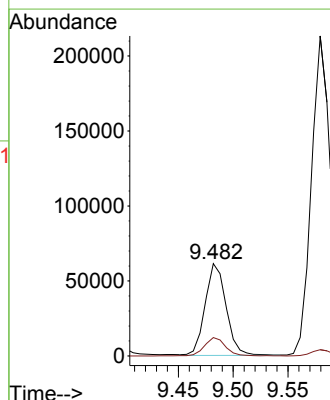
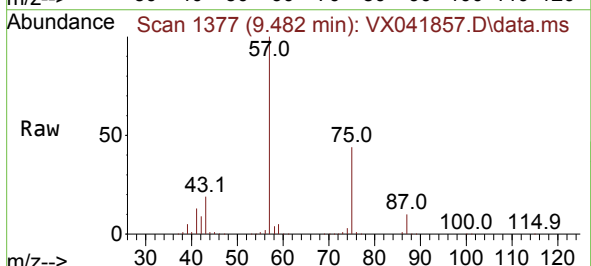
Acq: 13 Jun 2024 16:28

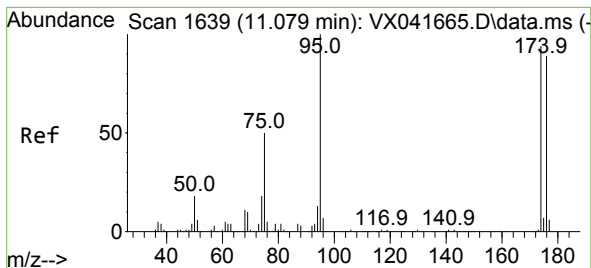
Tgt Ion: 43 Resp: 81363

Ion Ratio Lower Upper

43 100

58 20.5 26.2 78.5#

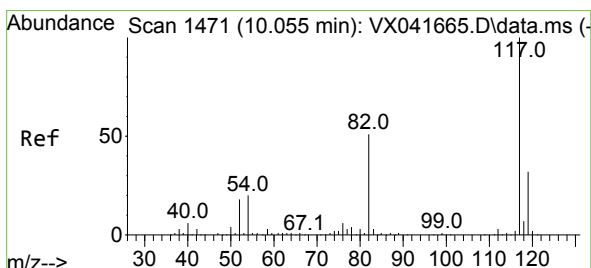
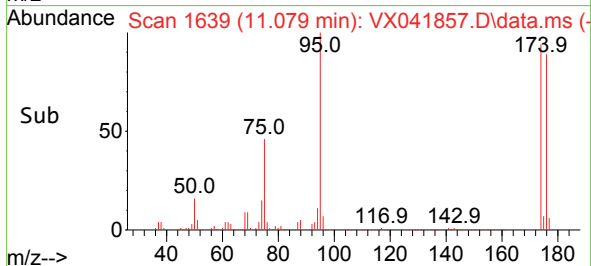
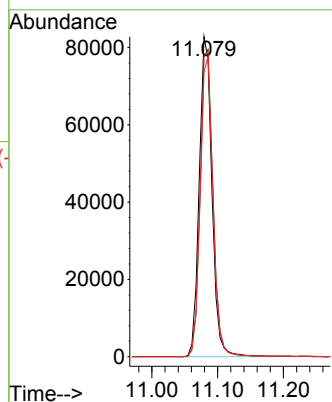
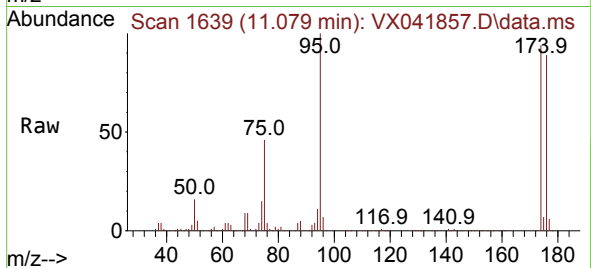




#62
4-Bromofluorobenzene
Concen: 49.676 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

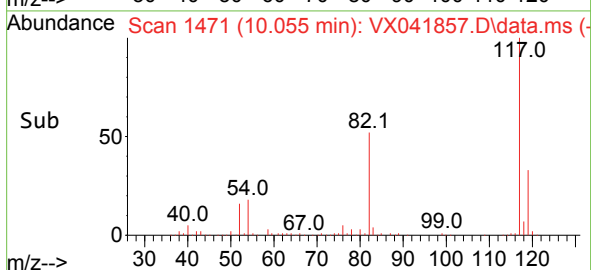
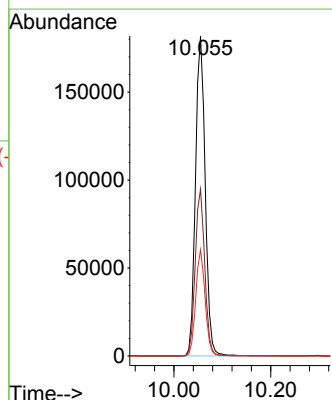
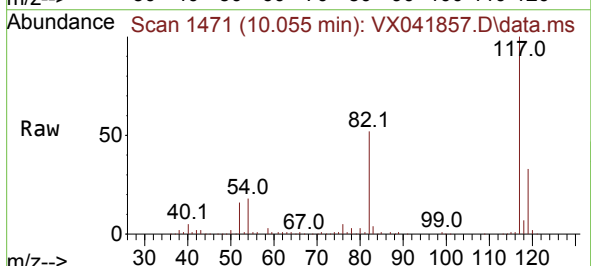
Instrument :
MSVOA_X
ClientSampleId :

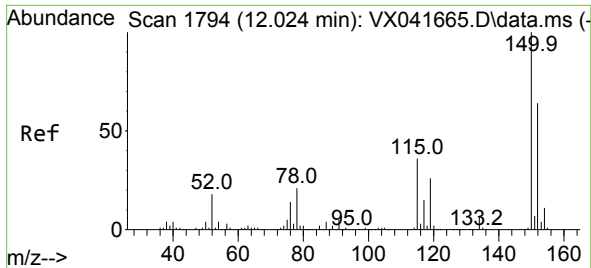
Tgt Ion: 95 Resp: 111187
Ion Ratio Lower Upper
95 100
174 97.6 0.0 135.6
176 93.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041857.D
Acq: 13 Jun 2024 16:28

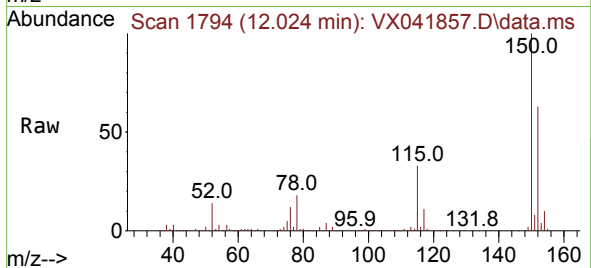
Tgt Ion: 117 Resp: 253542
Ion Ratio Lower Upper
117 100
82 52.1 46.2 69.4
119 33.3 25.5 38.3



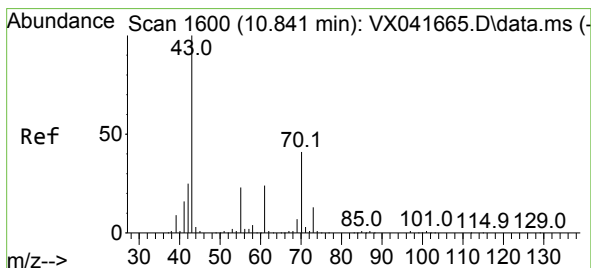
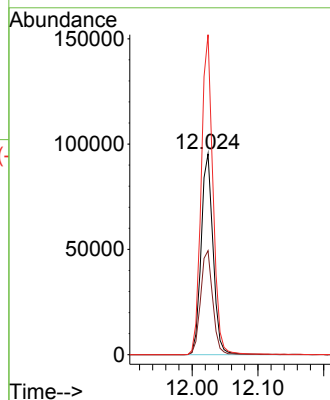
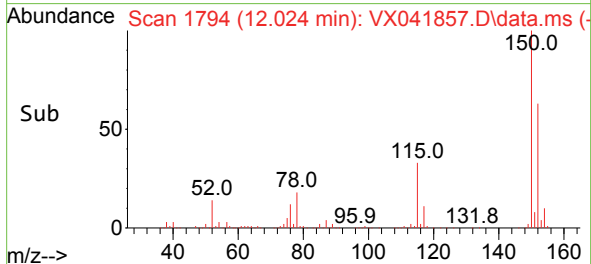


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX041857.D
 Acq: 13 Jun 2024 16:28

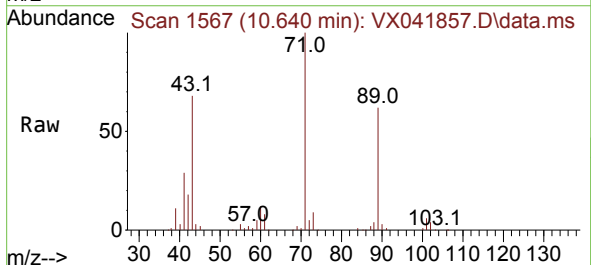
Instrument :
 MSVOA_X
 ClientSampleId :



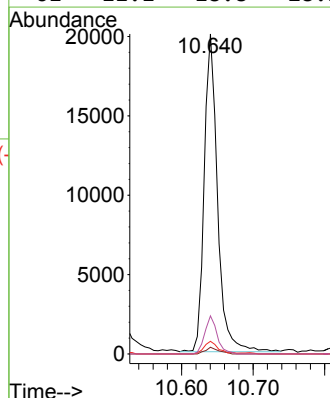
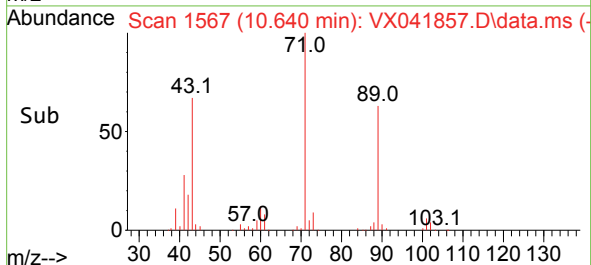
Tgt Ion:152 Resp: 120266
 Ion Ratio Lower Upper
 152 100
 115 53.0 43.3 129.9
 150 157.2 0.0 345.0

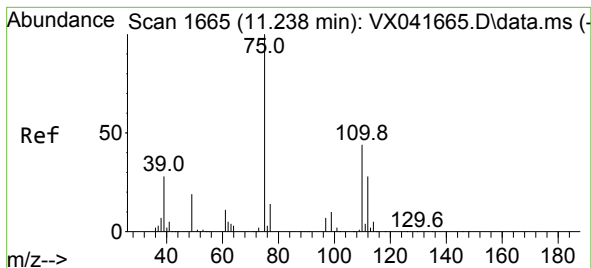


#74
 N-ethyl acetate
 Concen: 7.847 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041857.D
 Acq: 13 Jun 2024 16:28



Tgt Ion: 43 Resp: 25932
 Ion Ratio Lower Upper
 43 100
 70 2.1 32.9 49.3#
 55 4.4 19.3 28.9#
 61 11.1 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.662 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Instrument :

MSVOA_X

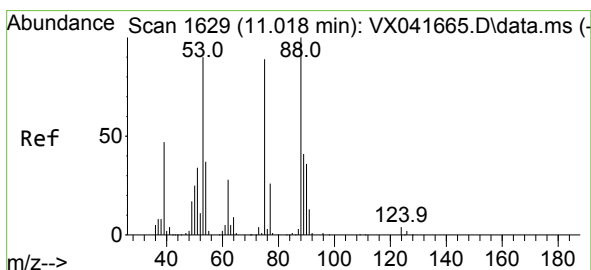
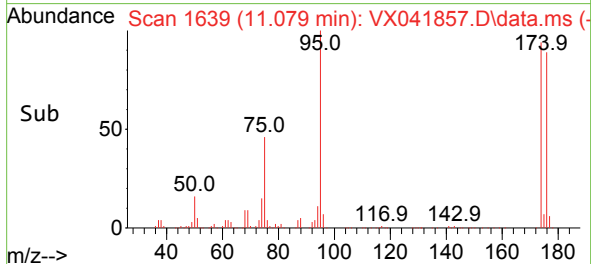
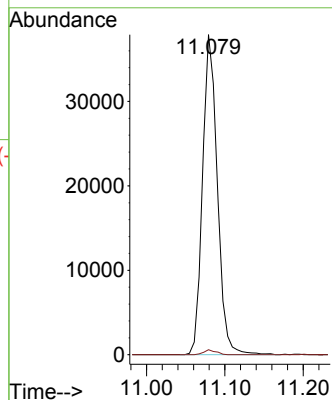
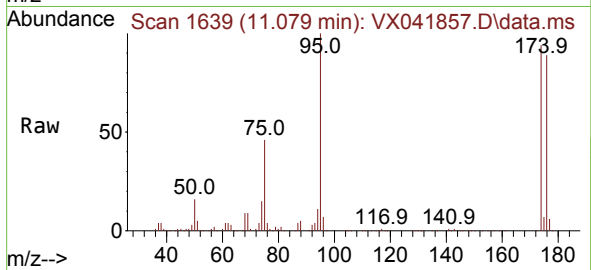
ClientSampleId :

Tgt Ion: 75 Resp: 49653

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.492 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041857.D

Acq: 13 Jun 2024 16:28

Tgt Ion: 75 Resp: 49653

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.1 36.9 55.3#

