

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042266.D
 Acq On : 10 Jul 2024 14:46
 Operator : JC/MD
 Sample : PB161974ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:57:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

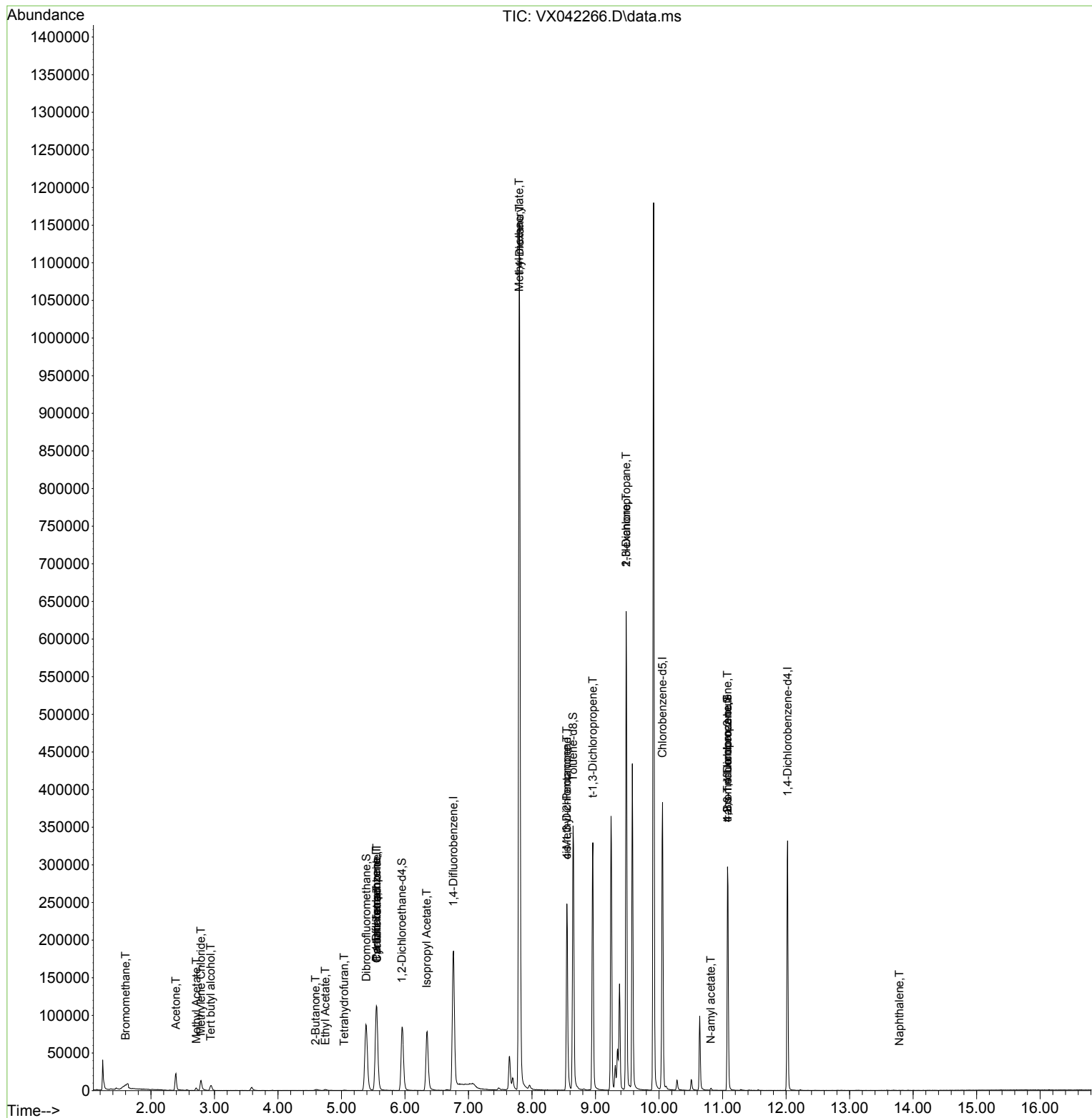
Internal Standards						
1) Pentafluorobenzene	5.550	168	127246	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	214544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82071	55.933	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.860%	
35) Dibromofluoromethane	5.391	113	78909	51.835	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.680%	
50) Toluene-d8	8.647	98	224389	41.958	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 83.920%#	
62) 4-Bromofluorobenzene	11.079	95	78558	39.849	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 79.700%#	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	181	0.301	ug/l	# 3
6) Chloroethane	1.654	64	452	Below Cal		89
11) Tert butyl alcohol	2.940	59	4437	15.933	ug/l	# 78
16) Acetone	2.392	43	24600	38.181	ug/l	# 88
18) Methyl Acetate	2.715	43	4221	2.402	ug/l	99
20) Methylene Chloride	2.788	84	7714	5.468	ug/l	85
25) 2-Butanone	4.593	43	2228	2.223	ug/l	93
29) Tetrahydrofuran	5.044	42	469	0.724	ug/l	# 71
31) Cyclohexane	5.556	56	1785	1.040	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7262	4.492	ug/l	# 51
37) Ethyl Acetate	4.745	43	1986	0.943	ug/l	# 93
38) Carbon Tetrachloride	5.556	117	10396	5.821	ug/l	# 15
43) Isopropyl Acetate	6.342	43	109532	33.887	ug/l	# 94
48) Methyl methacrylate	7.799	41	93757	60.779	ug/l	# 45
49) 1,4-Dioxane	7.805	88	150	23.533	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	80586	36.194	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	808	1.321	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	42975	21.888	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5765	2.467	ug/l	# 42
59) 2-Hexanone	9.482	43	70626	41.415	ug/l	# 55
74) N-amyl acetate	10.817	43	740	0.345	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	36016	24.961	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	36016	70.888	ug/l	# 5
95) Naphthalene	13.786	128	74	0.761	ug/l	# 69

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

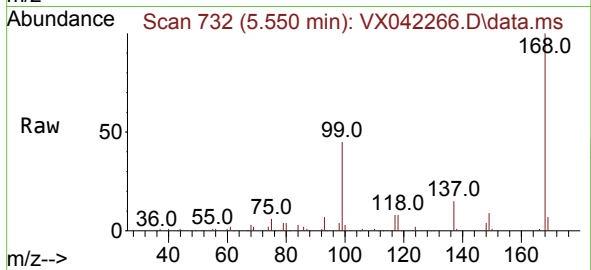
Quant Time: Jul 11 00:57:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
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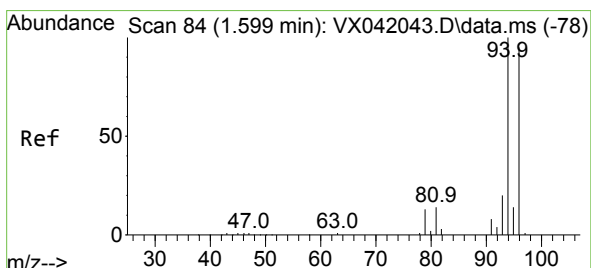
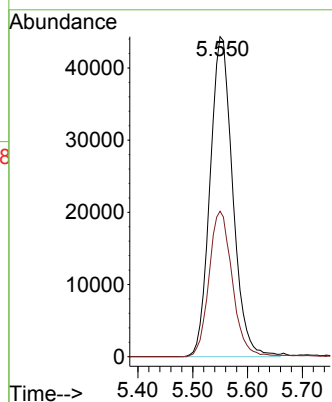
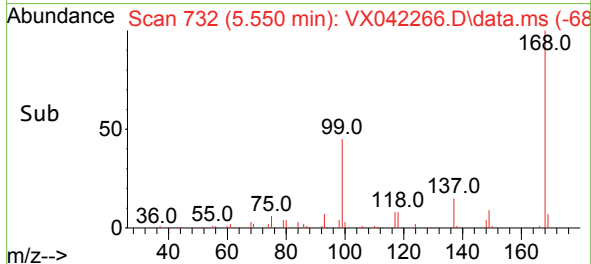


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

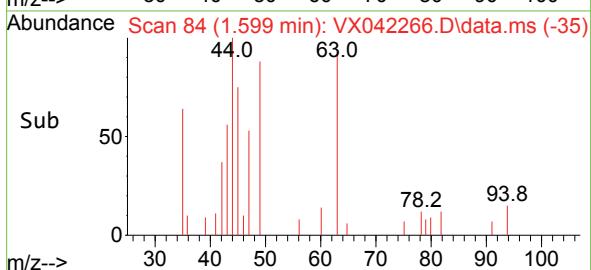
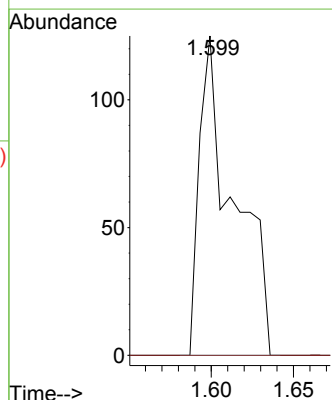
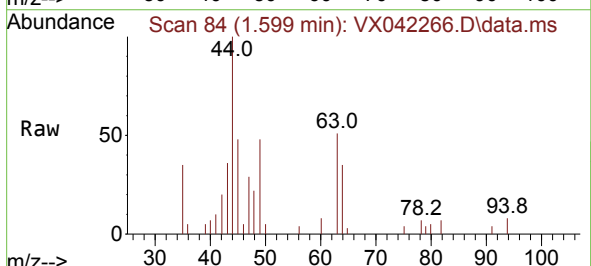


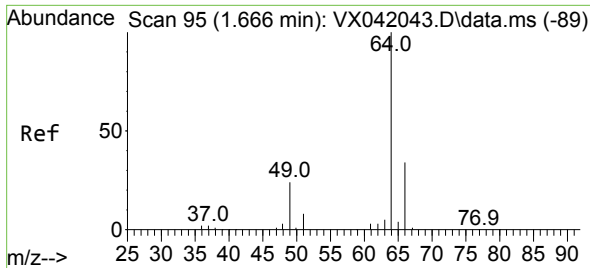
Tgt Ion:168 Resp: 127246
Ion Ratio Lower Upper
168 100
99 45.5 56.6 85.0#



#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

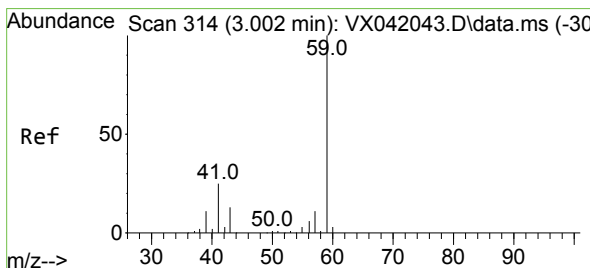
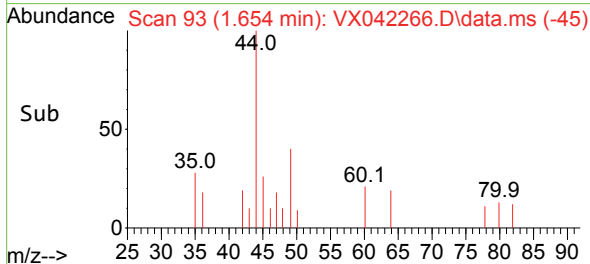
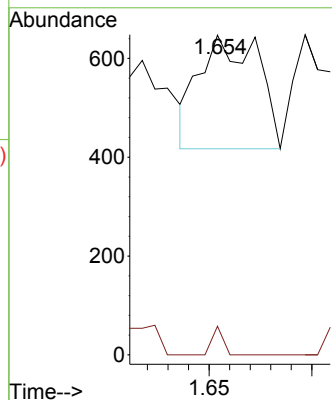
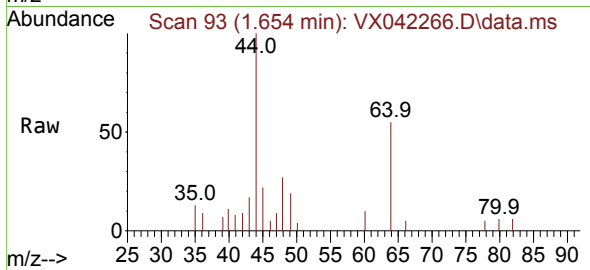




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

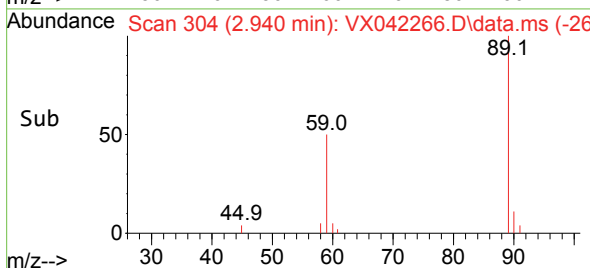
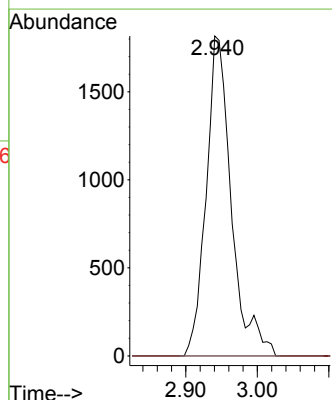
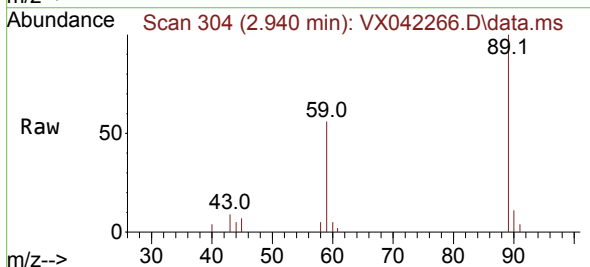
Instrument :
MSVOA_X
ClientSampleId :

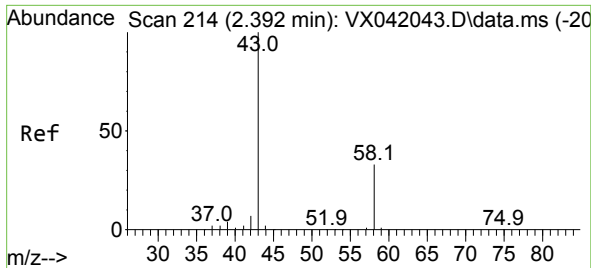
Tgt Ion: 64 Resp: 452
Ion Ratio Lower Upper
64 100
66 25.2 25.1 37.7



#11
Tert butyl alcohol
Concen: 15.933 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 59 Resp: 4437
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

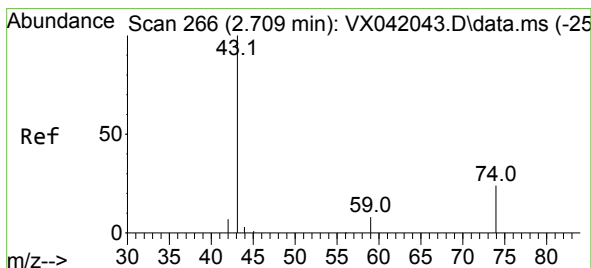
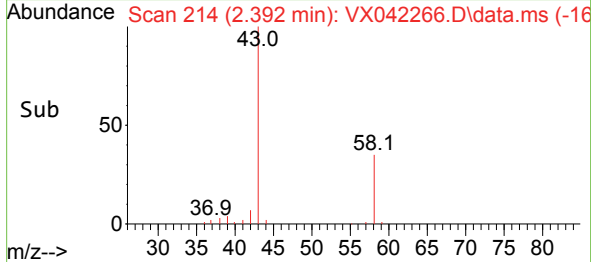
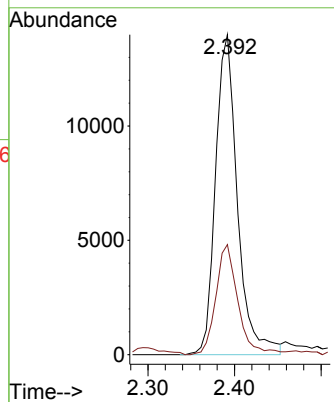
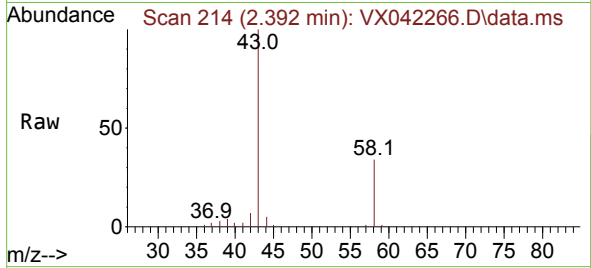




#16
Acetone
Concen: 38.181 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

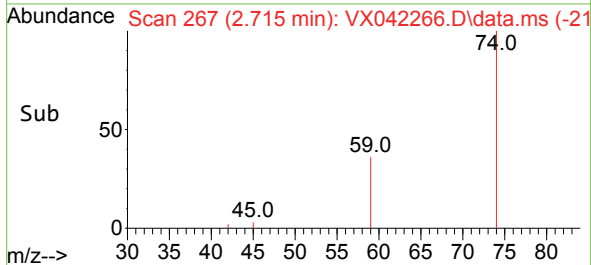
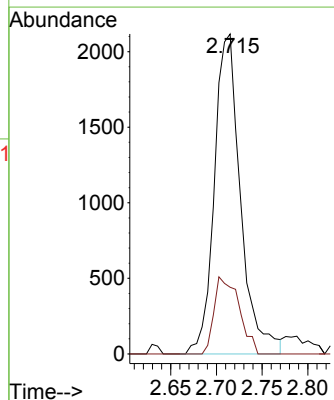
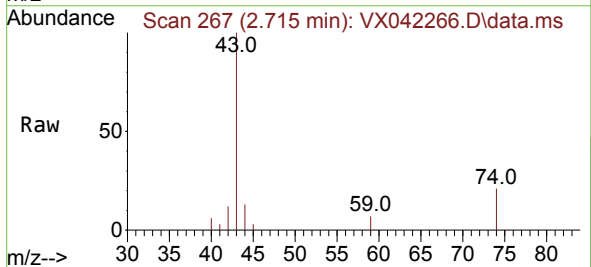
Instrument :
MSVOA_X
ClientSampleId :

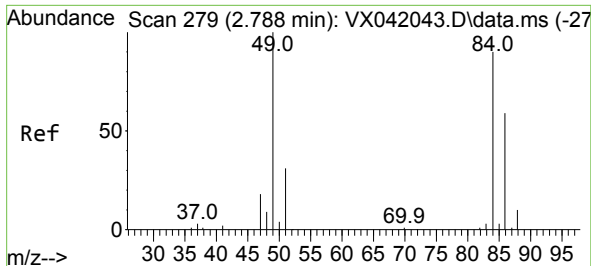
Tgt Ion: 43 Resp: 24600
Ion Ratio Lower Upper
43 100
58 33.7 21.9 32.9#



#18
Methyl Acetate
Concen: 2.402 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8





#20

Methylene Chloride

Concen: 5.468 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

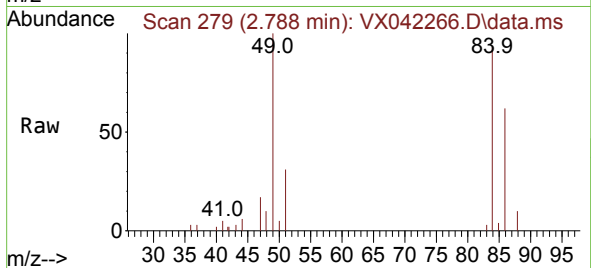
Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7714

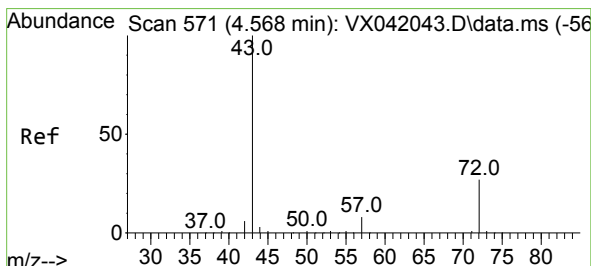
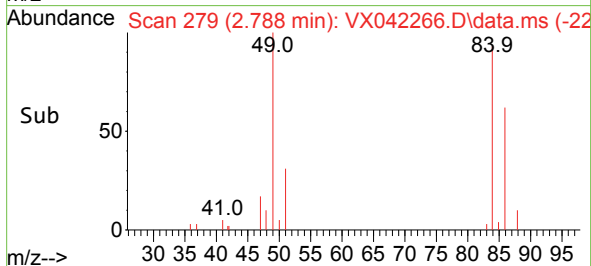
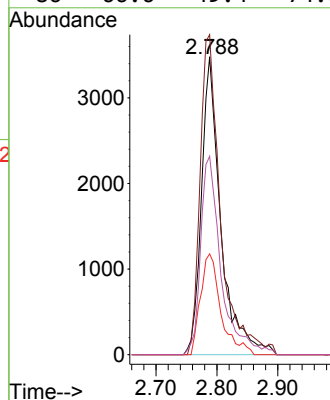
Ion Ratio Lower Upper

84 100

49 107.4 103.6 155.4

51 33.8 33.8 50.6

86 66.6 49.4 74.0



#25

2-Butanone

Concen: 2.223 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.018 min

Lab File: VX042266.D

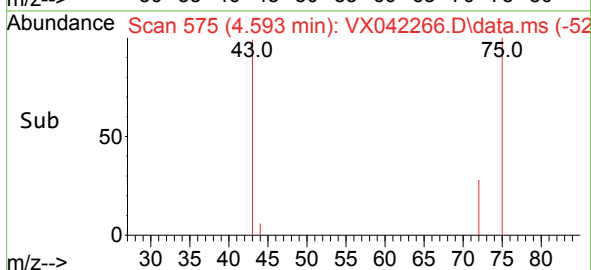
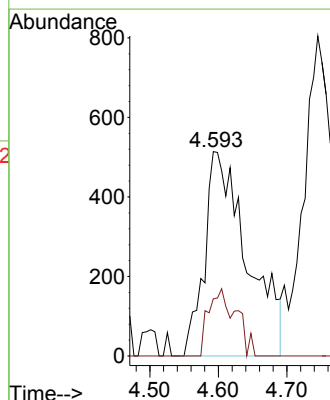
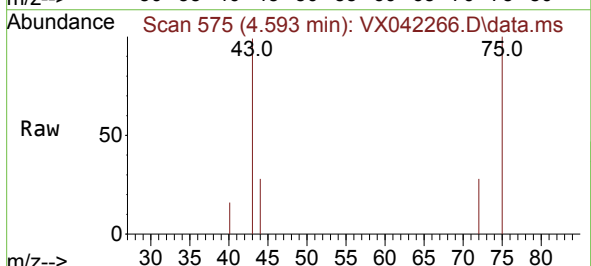
Acq: 10 Jul 2024 14:46

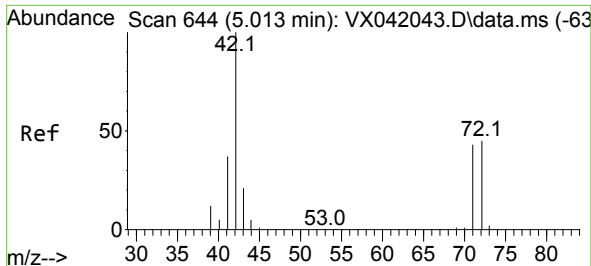
Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

72 28.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.724 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.024 min

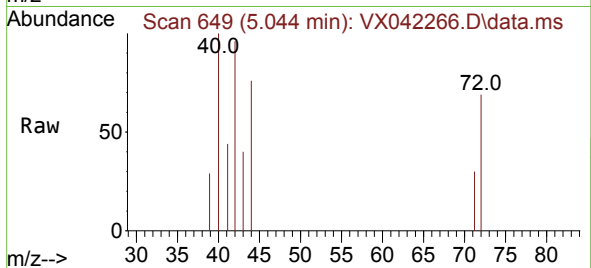
Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

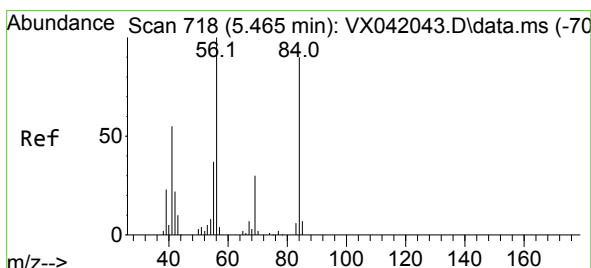
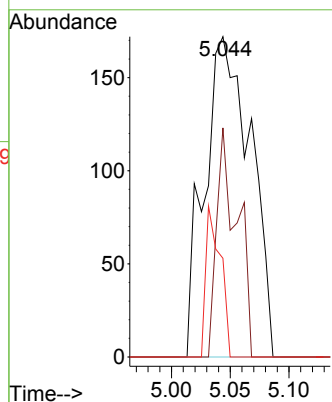
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	469
Ion	Ratio	Lower	Upper
42	100		
72	32.0	34.2	51.4#
71	14.9	32.2	48.2#



#31

Cyclohexane

Concen: 1.040 ug/l

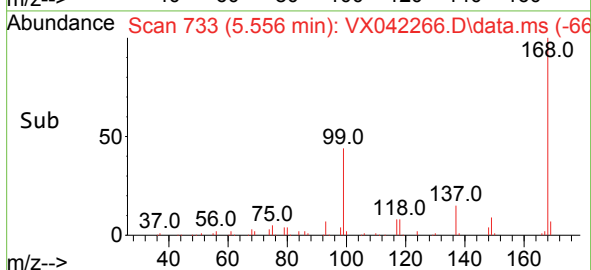
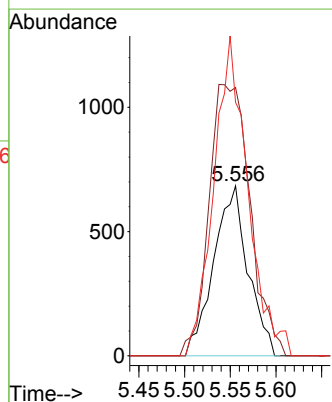
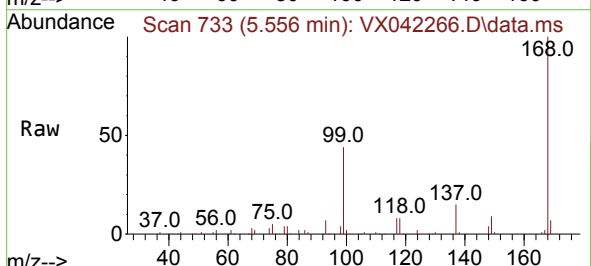
RT: 5.556 min Scan# 733

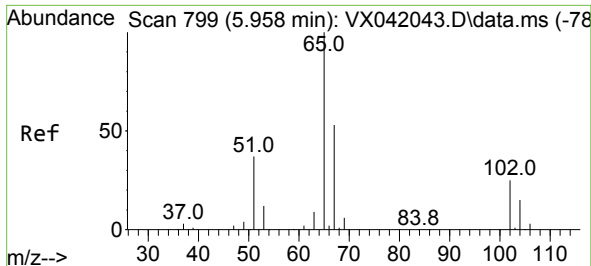
Delta R.T. 0.091 min

Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

Tgt Ion:	56	Resp:	1785
Ion	Ratio	Lower	Upper
56	100		
69	157.9	23.4	35.2#
84	149.1	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 55.933 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

Instrument :

MSVOA_X

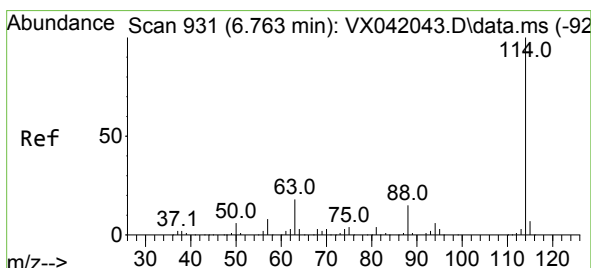
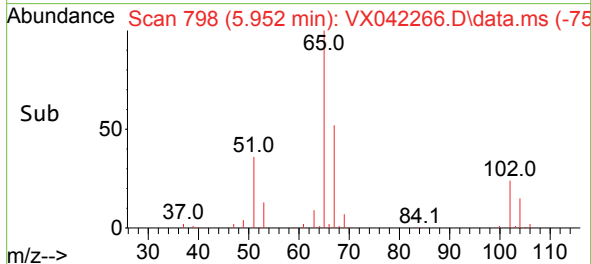
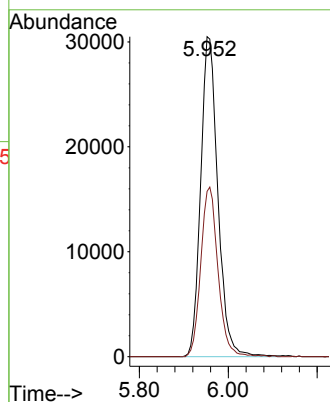
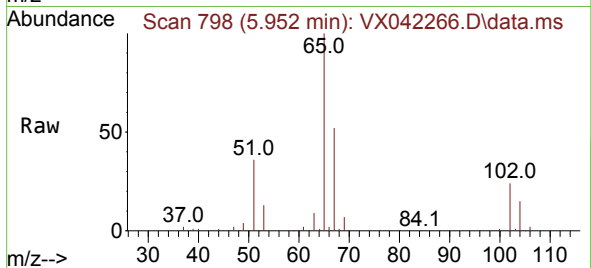
ClientSampleId :

Tgt Ion: 65 Resp: 82071

Ion Ratio Lower Upper

65 100

67 52.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

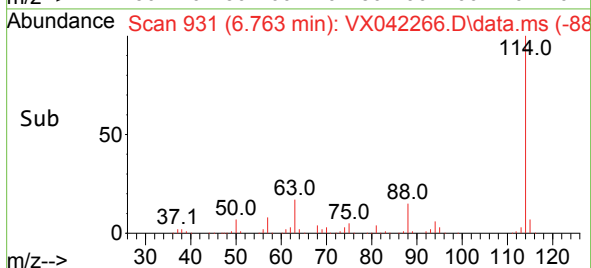
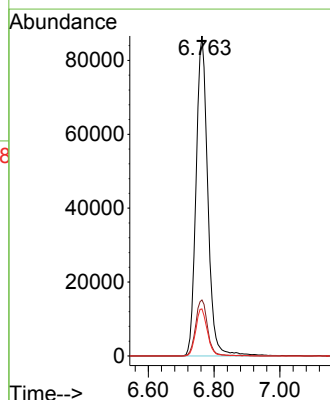
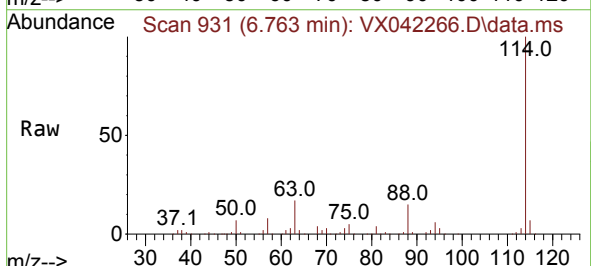
Tgt Ion: 114 Resp: 214544

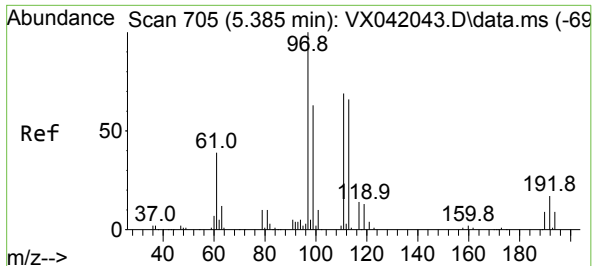
Ion Ratio Lower Upper

114 100

63 17.5 0.0 45.0

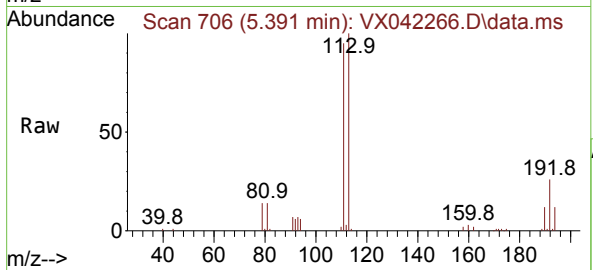
88 14.7 0.0 36.6



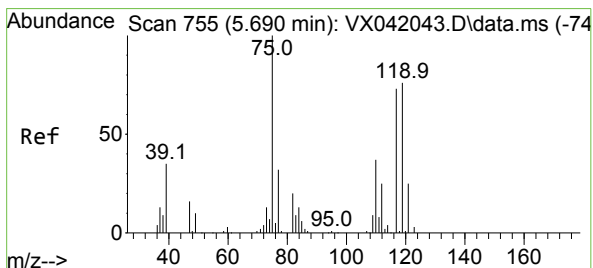
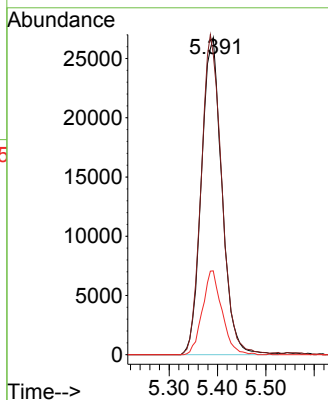
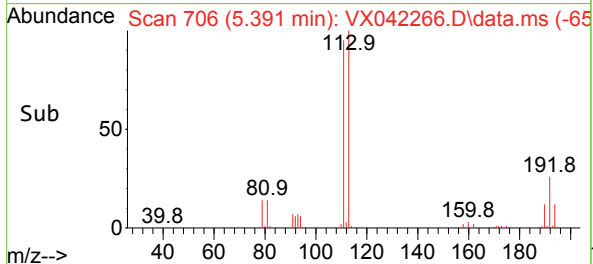


#35
Dibromofluoromethane
Concen: 51.835 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

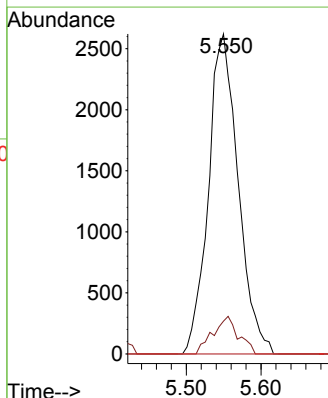
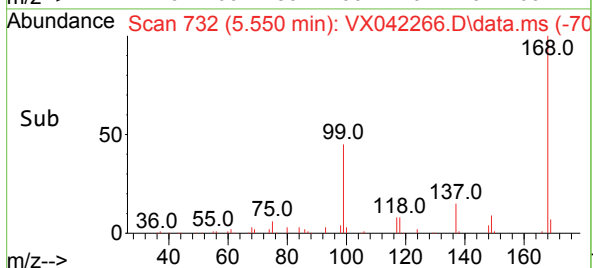
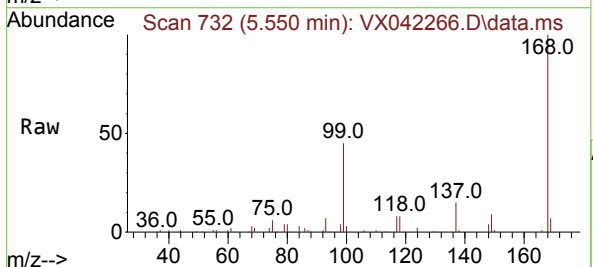


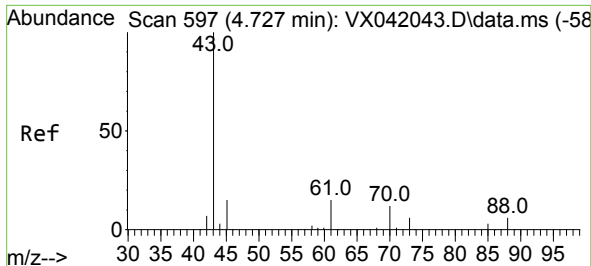
Tgt Ion:113 Resp: 78909
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 25.2 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 75 Resp: 7262
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.943 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.018 min

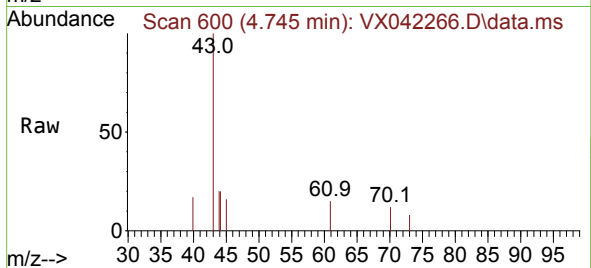
Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

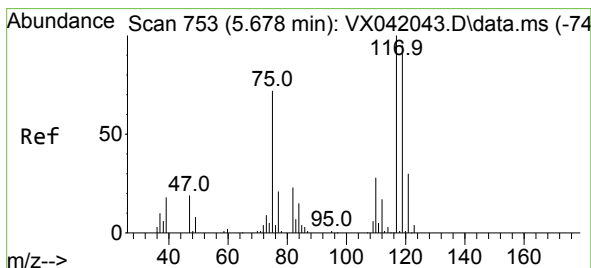
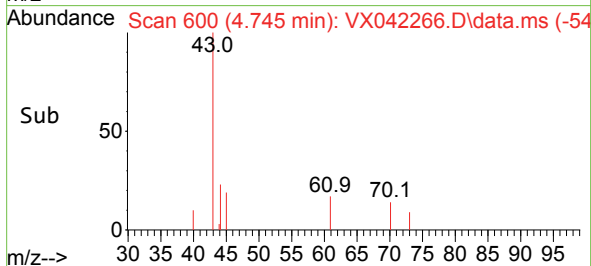
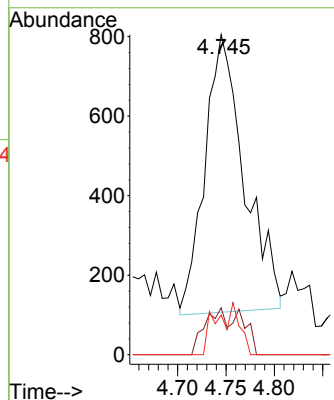
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1986
Ion Ratio	Lower Upper
43	100
61	9.2 10.6 16.0#
70	11.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.821 ug/l

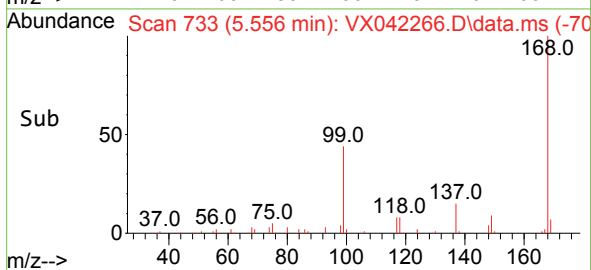
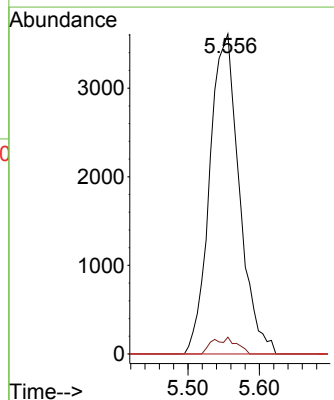
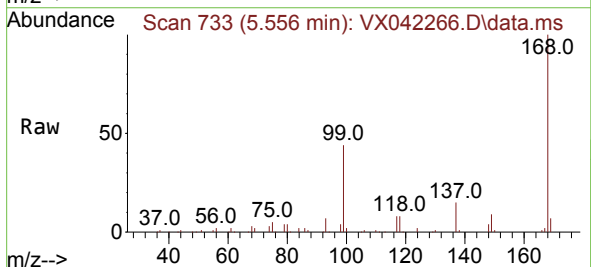
RT: 5.556 min Scan# 733

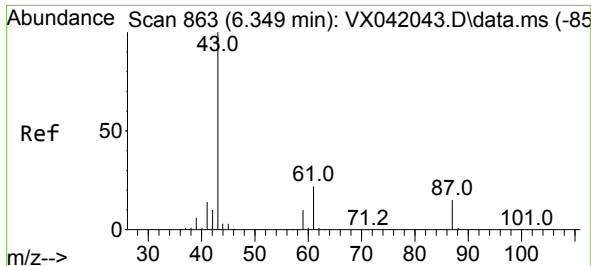
Delta R.T. -0.122 min

Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

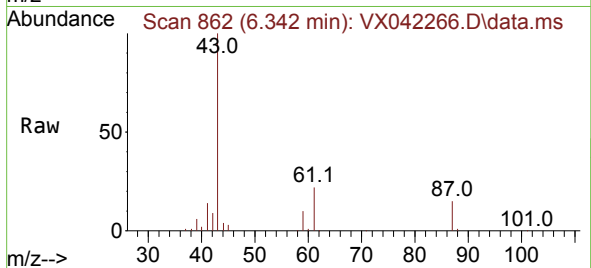
Tgt Ion: 117	Resp: 10396
Ion Ratio	Lower Upper
117	100
119	5.3 78.2 117.2#
121	0.0 24.4 36.6#



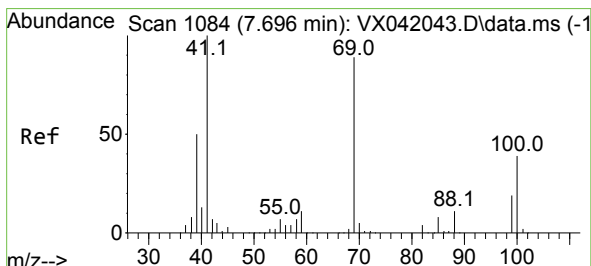
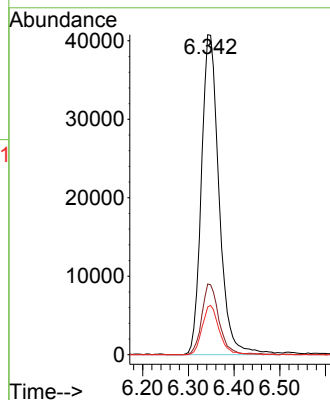
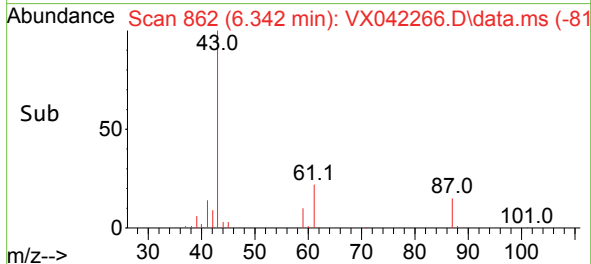


#43
Isopropyl Acetate
Concen: 33.887 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Instrument :
MSVOA_X
ClientSampleId :

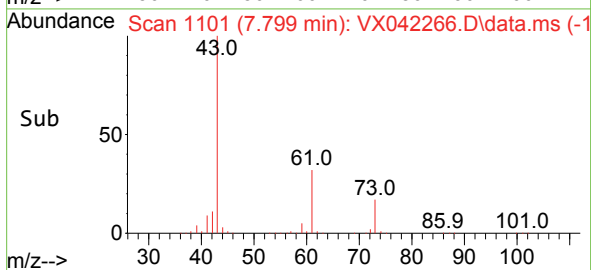
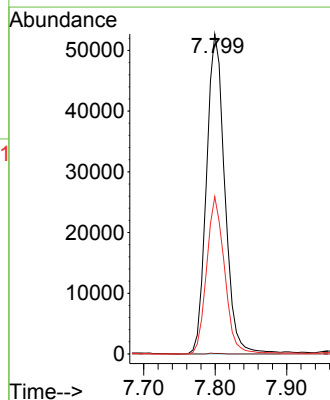
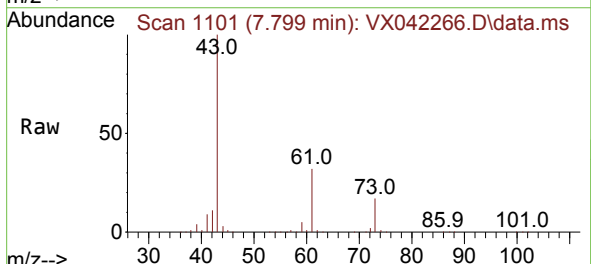


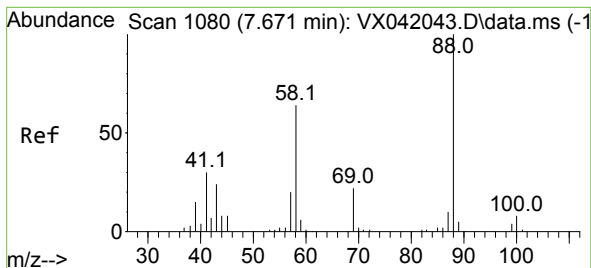
Tgt Ion: 43 Resp: 109532
Ion Ratio Lower Upper
43 100
61 21.3 15.2 22.8
87 14.8 9.8 14.6#



#48
Methyl methacrylate
Concen: 60.779 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 41 Resp: 93757
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.5 47.7 71.5





#49

1,4-Dioxane

Concen: 23.533 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

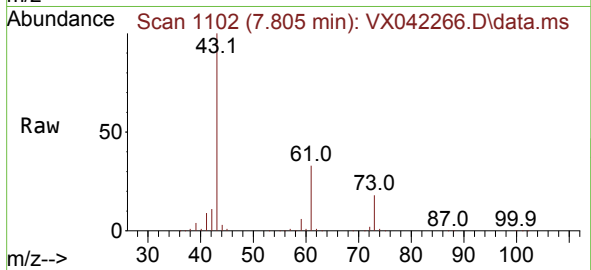
Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :



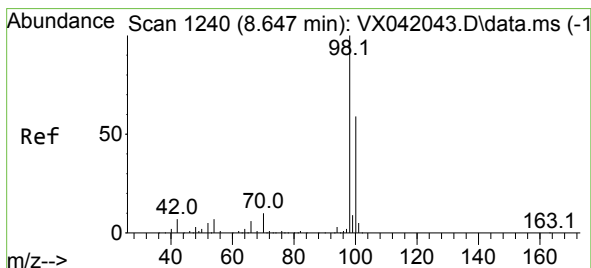
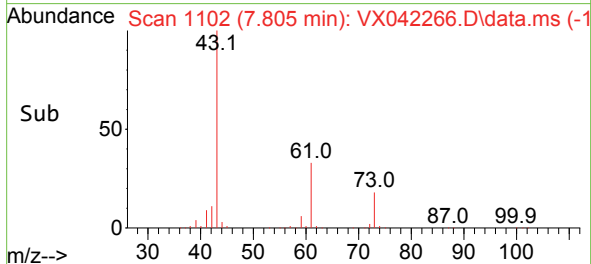
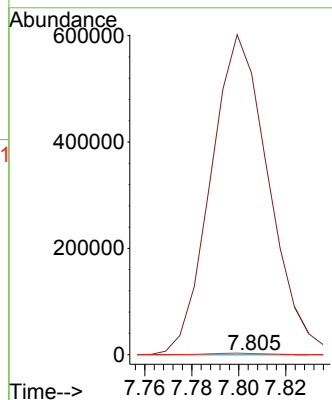
Tgt Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

43 700269.3 0.0 0.0#

58 3298.7 60.1 90.1#



#50

Toluene-d8

Concen: 41.958 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042266.D

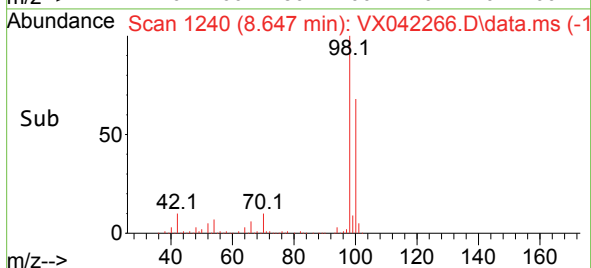
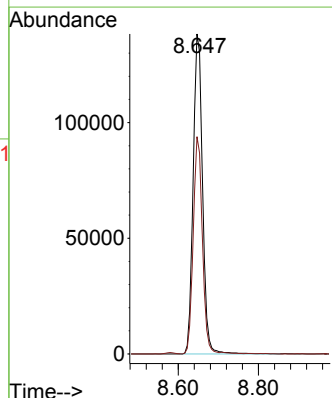
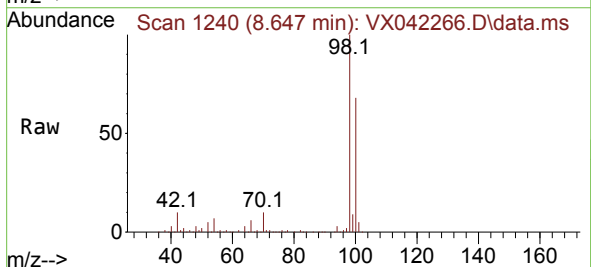
Acq: 10 Jul 2024 14:46

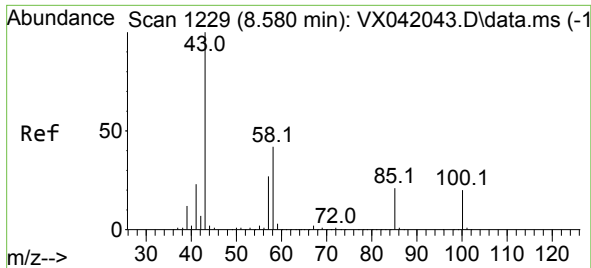
Tgt Ion: 98 Resp: 224389

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7

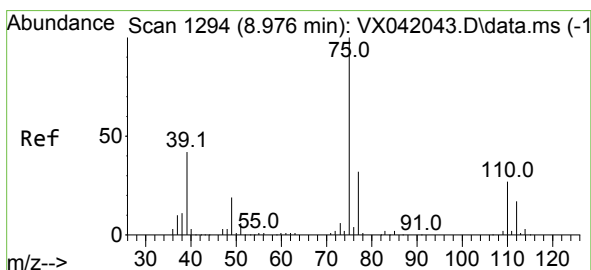
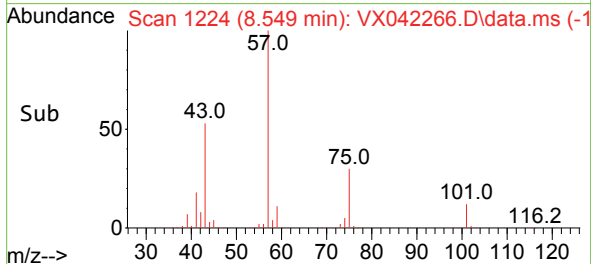
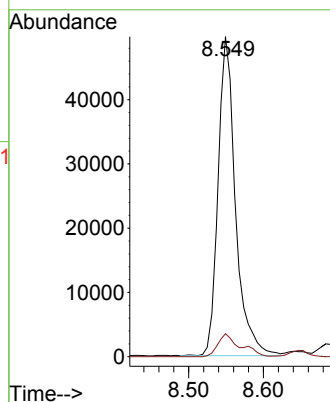
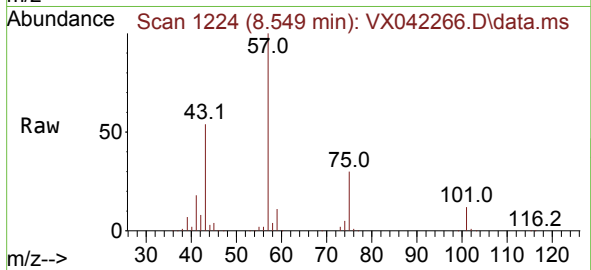




#51
4-Methyl-2-Pentanone
Concen: 36.194 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

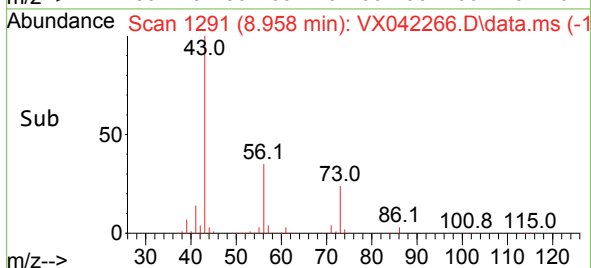
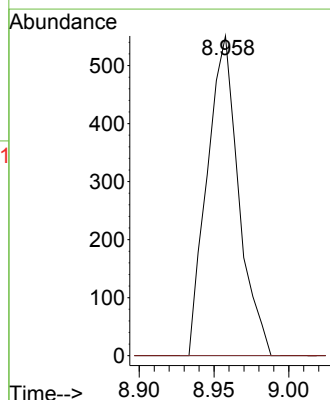
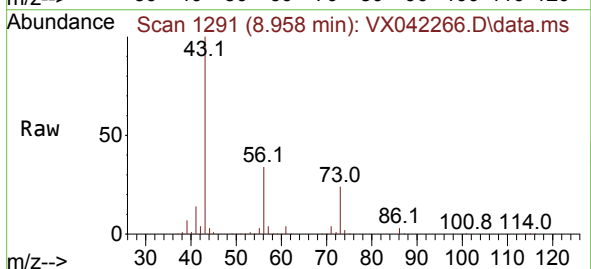
Instrument :
MSVOA_X
ClientSampleId :

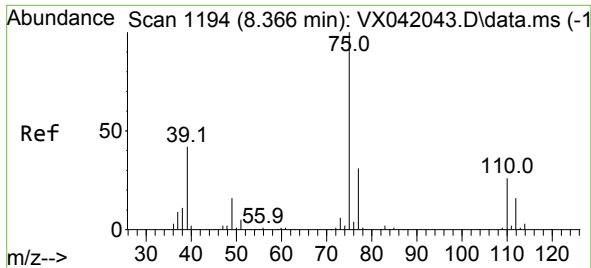
Tgt Ion: 43 Resp: 80586
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.321 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 75 Resp: 808
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

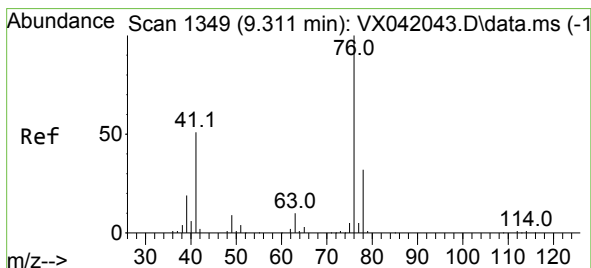
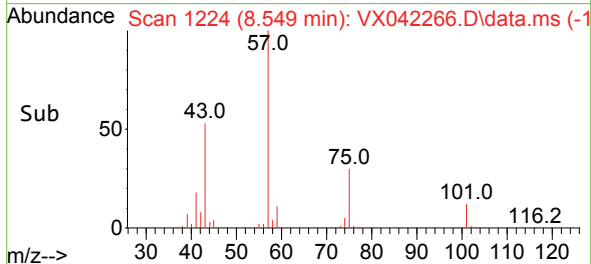
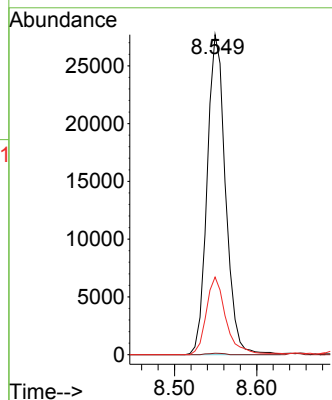
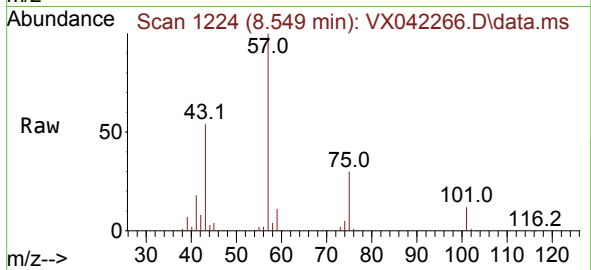




#54
 cis-1,3-Dichloropropene
 Concen: 21.888 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042266.D
 Acq: 10 Jul 2024 14:46

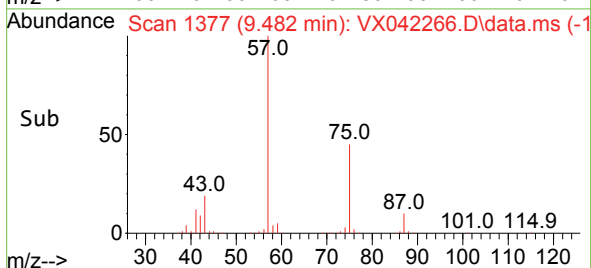
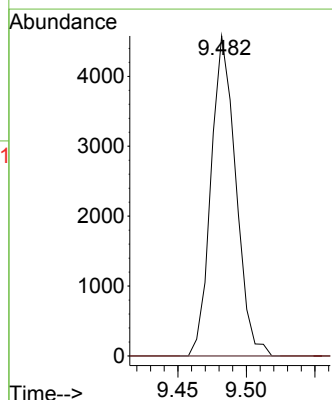
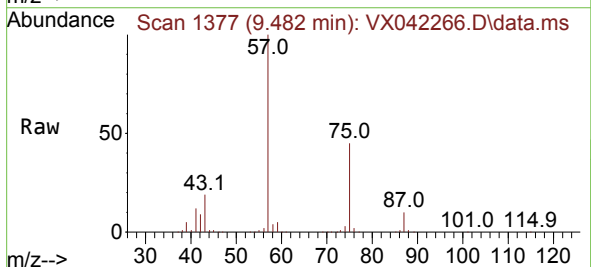
Instrument :
 MSVOA_X
 ClientSampleId :

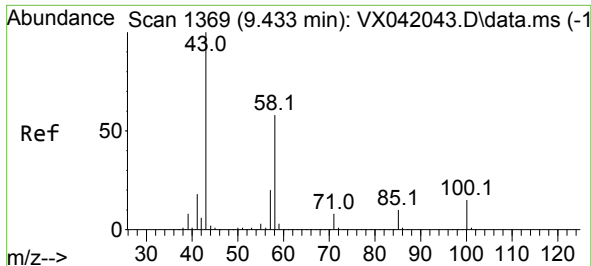
Tgt Ion: 75 Resp: 42975
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 24.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.467 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042266.D
 Acq: 10 Jul 2024 14:46

Tgt Ion: 76 Resp: 5765
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

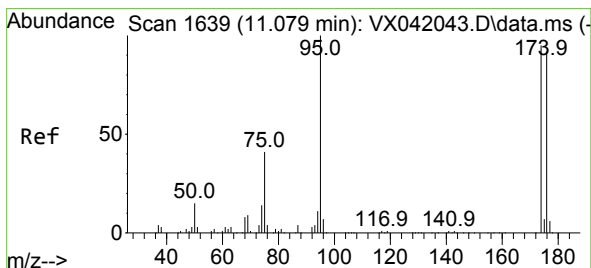
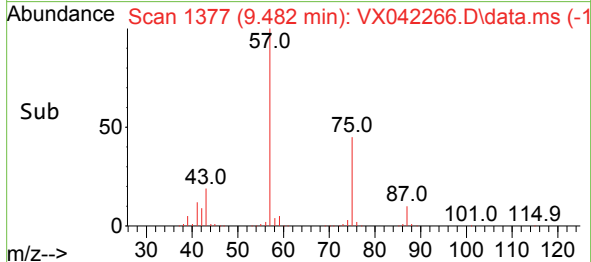
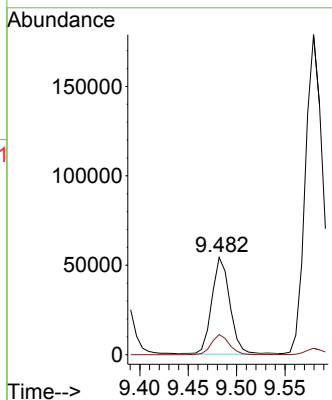
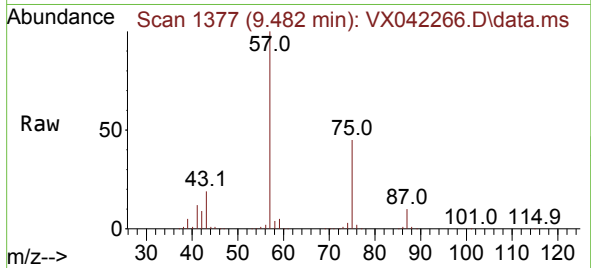




#59
2-Hexanone
Concen: 41.415 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

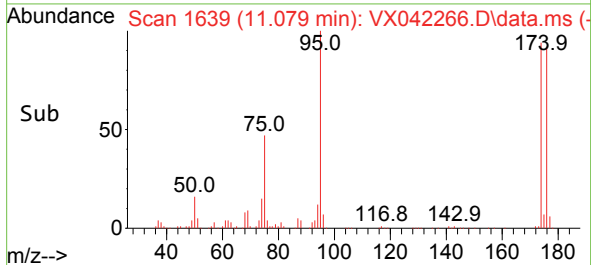
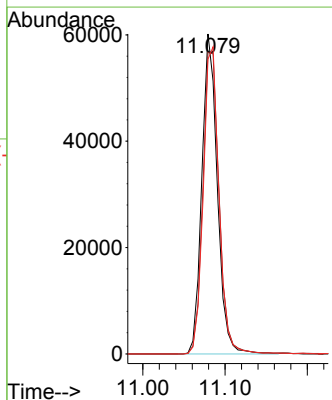
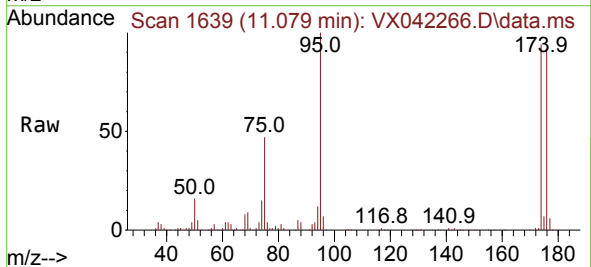
Instrument :
MSVOA_X
ClientSampleId :

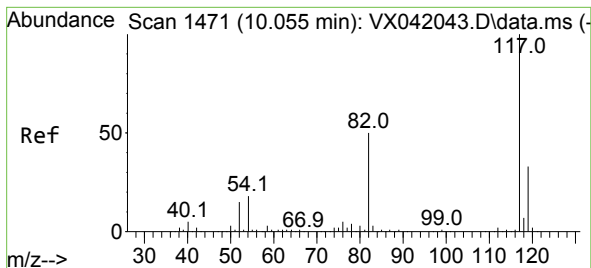
Tgt Ion: 43 Resp: 70626
Ion Ratio Lower Upper
43 100
58 20.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 39.849 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

Tgt Ion: 95 Resp: 78558
Ion Ratio Lower Upper
95 100
174 99.5 0.0 135.6
176 97.7 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: VX042266.D

Acq: 10 Jul 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :

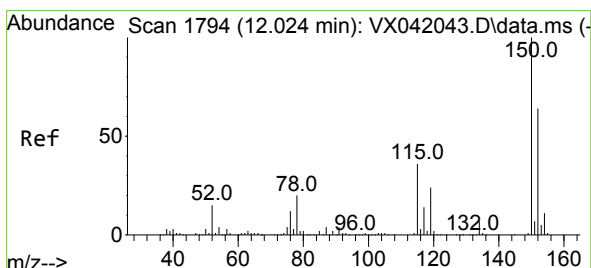
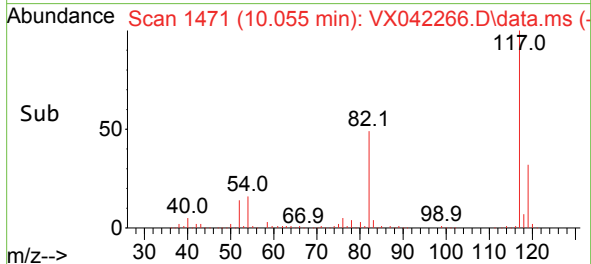
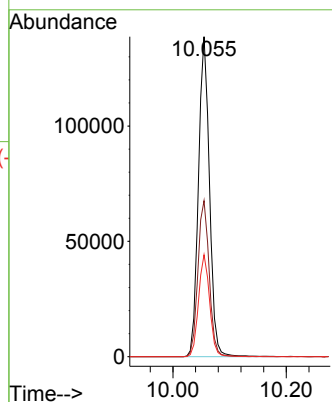
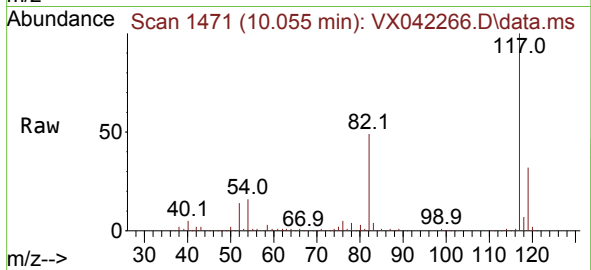
Tgt Ion:117 Resp: 187327

Ion Ratio Lower Upper

117 100

82 48.8 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# 1794

Delta R.T. 0.000 min

Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

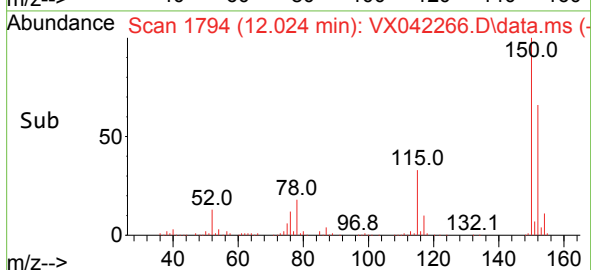
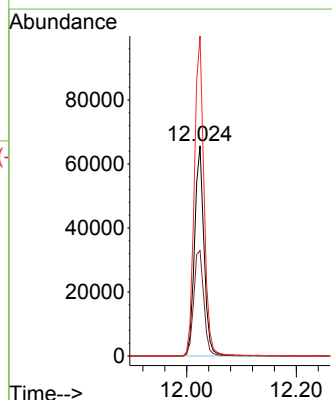
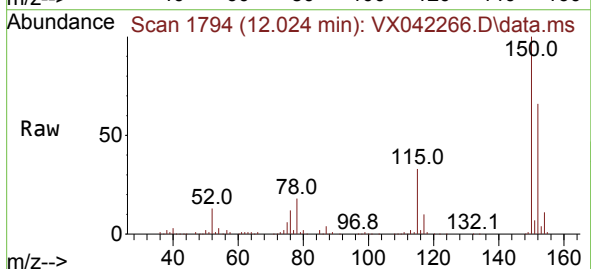
Tgt Ion:152 Resp: 79479

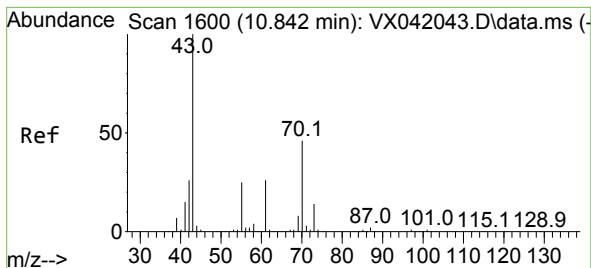
Ion Ratio Lower Upper

152 100

115 53.6 43.3 129.9

150 155.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.345 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

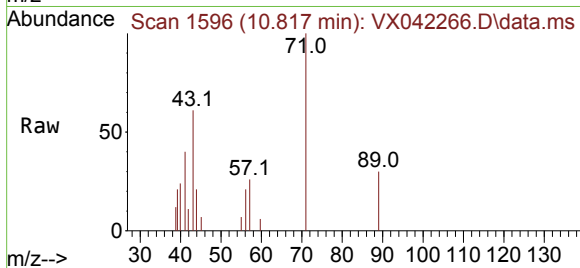
Lab File: VX042266.D

Acq: 10 Jul 2024 14:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 740

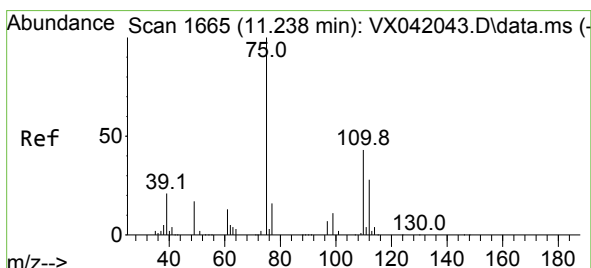
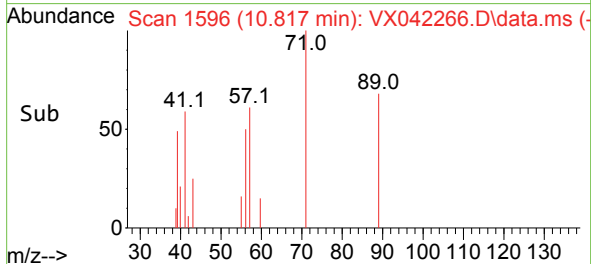
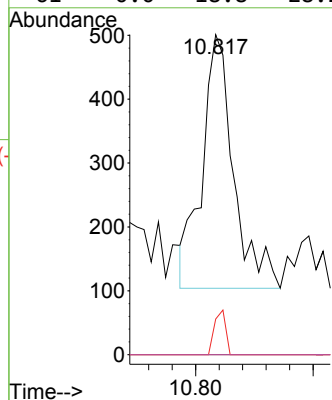
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 6.2 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.961 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042266.D

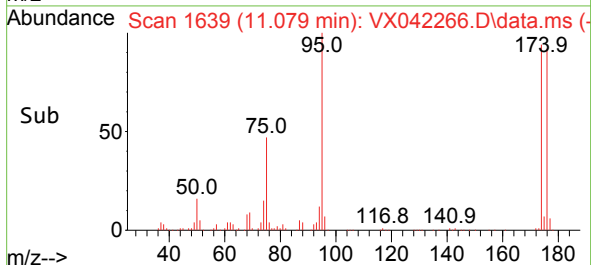
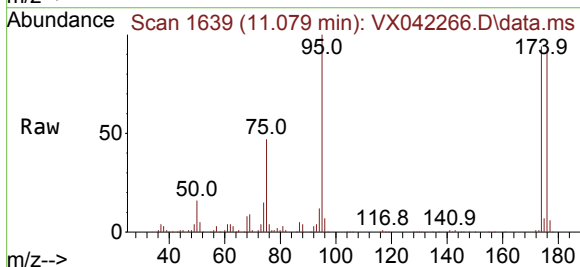
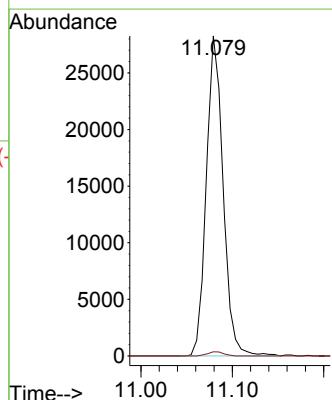
Acq: 10 Jul 2024 14:46

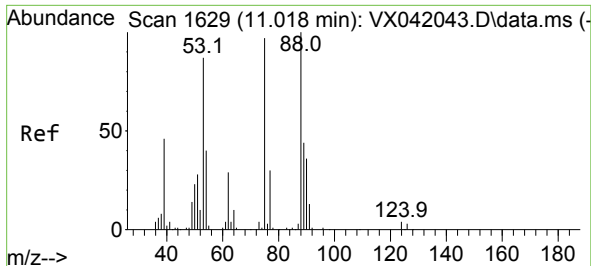
Tgt Ion: 75 Resp: 36016

Ion Ratio Lower Upper

75 100

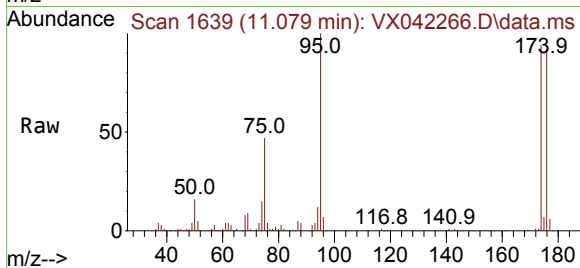
77 1.3 19.1 57.5#



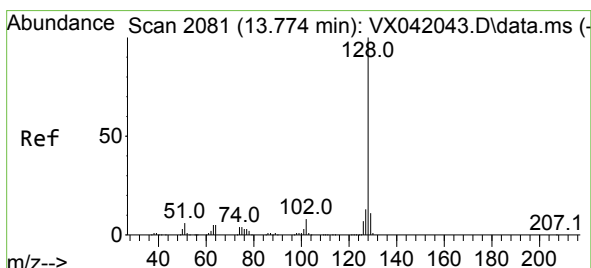
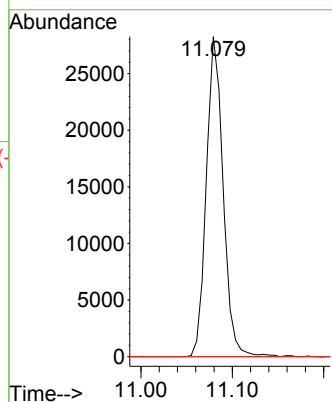
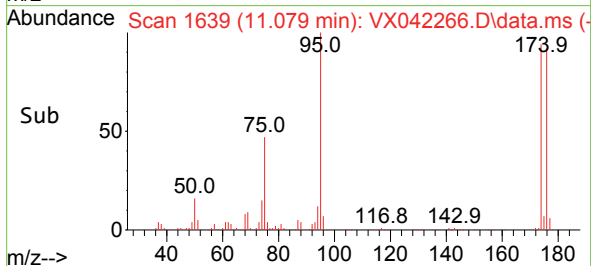


#81
trans-1,4-Dichloro-2-butene
Concen: 70.888 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46

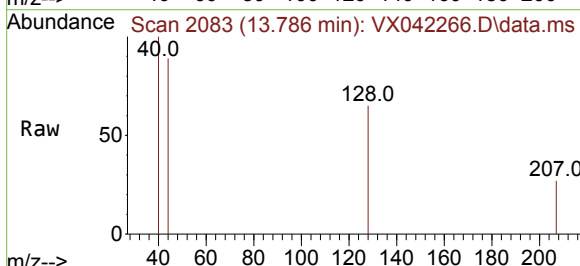
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 36016
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.761 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042266.D
Acq: 10 Jul 2024 14:46



Tgt Ion: 128 Resp: 74
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

