

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041793.D
 Acq On : 07 Jun 2024 17:06
 Operator : JC/MD
 Sample : PB161359ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

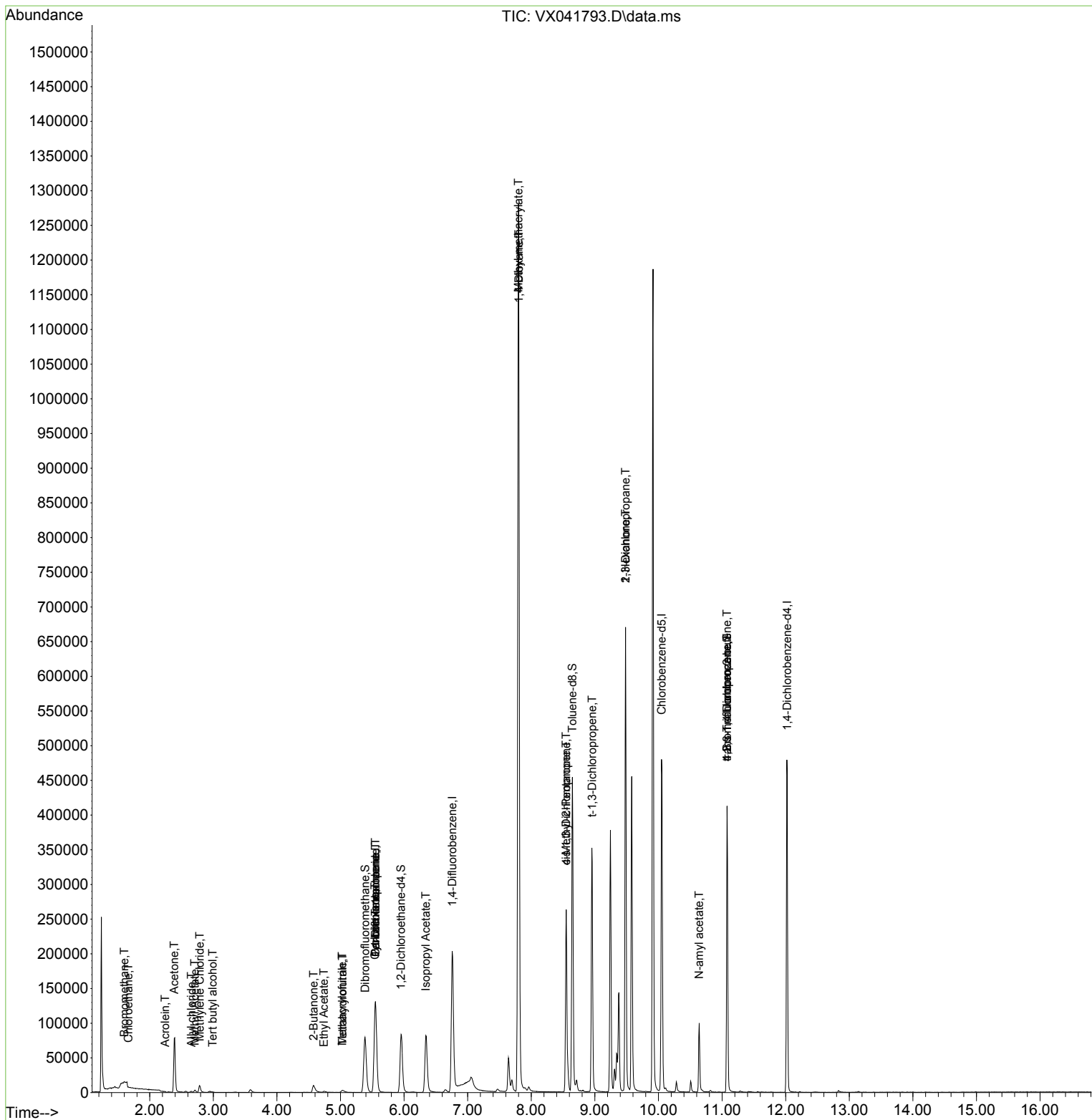
Quant Time: Jun 08 05:17:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

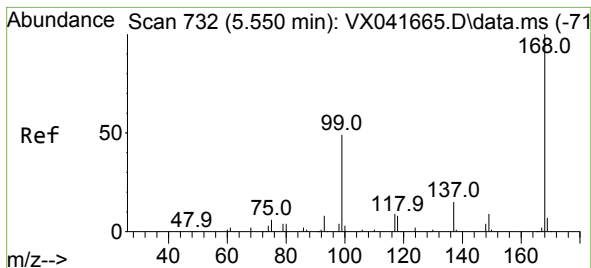
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	137262	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	218199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	219662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82147	48.796	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.600%
35) Dibromofluoromethane	5.385	113	69012	45.745	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.500%
50) Toluene-d8	8.647	98	260345	49.389	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.780%
62) 4-Bromofluorobenzene	11.079	95	98683	50.723	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.440%
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	314	0.333	ug/l	# 66
6) Chloroethane	1.666	64	1588	1.939	ug/l	# 43
11) Tert butyl alcohol	2.989	59	810	2.720	ug/l	# 78
13) Acrolein	2.239	56	56	0.202	ug/l	# 66
14) Allyl chloride	2.654	41	1471	0.731	ug/l	# 50
16) Acetone	2.386	43	89113	119.384	ug/l	99
18) Methyl Acetate	2.709	43	3987	2.480	ug/l	99
20) Methylene Chloride	2.788	84	5097	3.383	ug/l	# 84
25) 2-Butanone	4.574	43	21050	20.119	ug/l	95
29) Tetrahydrofuran	5.032	42	3275	4.963	ug/l	97
31) Cyclohexane	5.544	56	2561	1.289	ug/l	# 13
36) 1,1-Dichloropropene	5.550	75	9210	5.042	ug/l	# 51
37) Ethyl Acetate	4.739	43	3906	1.694	ug/l	# 87
38) Carbon Tetrachloride	5.550	117	12287	5.920	ug/l	# 15
41) Methacrylonitrile	5.025	41	2050	1.818	ug/l	# 38
43) Isopropyl Acetate	6.342	43	116724	33.536	ug/l	99
48) Methyl methacrylate	7.799	41	113676	68.009	ug/l	# 48
49) 1,4-Dioxane	7.805	88	160	4.381	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	99456	44.066	ug/l	# 46
53) t-1,3-Dichloropropene	8.958	75	845	0.445	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39839	18.976	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	5553	2.290	ug/l	# 42
59) 2-Hexanone	9.482	43	80612	46.847	ug/l	# 53
74) N-amyl acetate	10.640	43	25532	8.738	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	50324	27.123	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	50324	73.925	ug/l	# 5

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

Quant Time: Jun 08 05:17:48 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: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

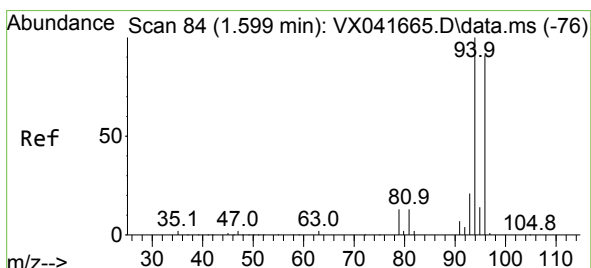
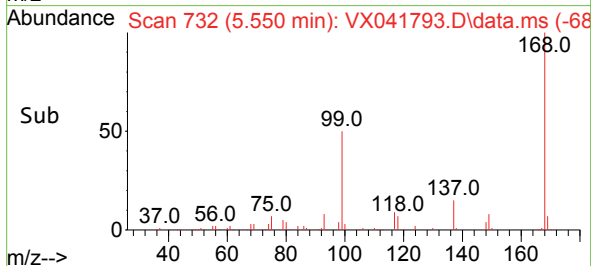
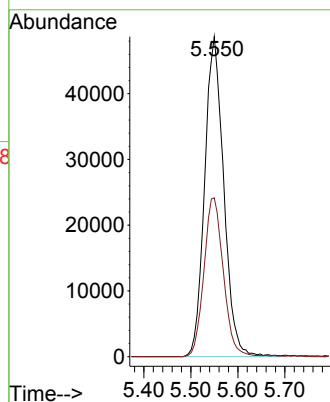
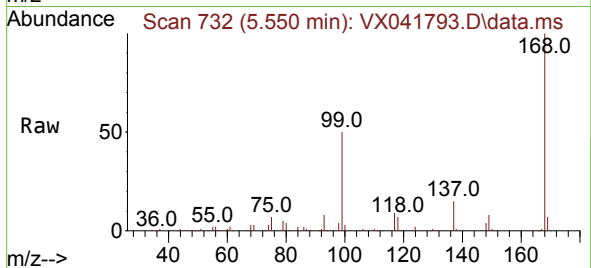
ClientSampleId :

Tgt Ion:168 Resp: 137262

Ion Ratio Lower Upper

168 100

99 49.7 56.6 85.0#



#5

Bromomethane

Concen: 0.333 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041793.D

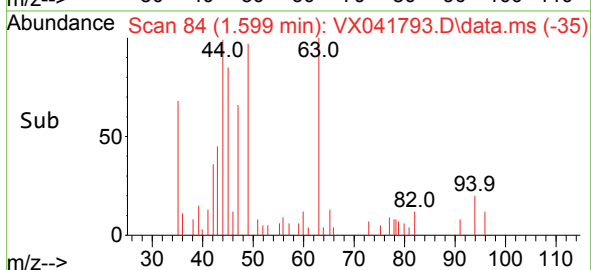
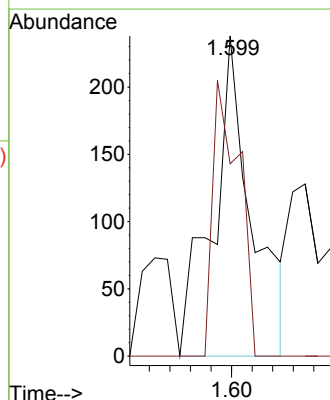
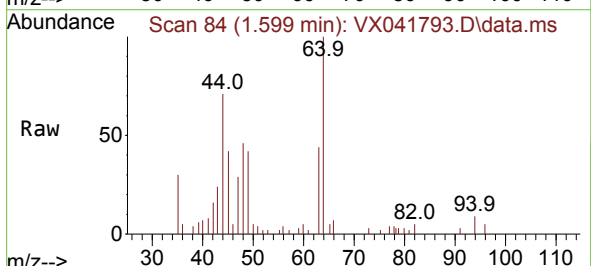
Acq: 07 Jun 2024 17:06

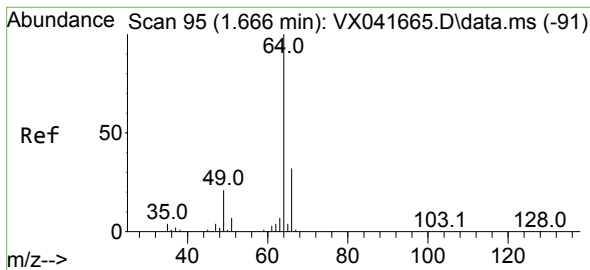
Tgt Ion: 94 Resp: 314

Ion Ratio Lower Upper

94 100

96 60.1 74.6 111.8#

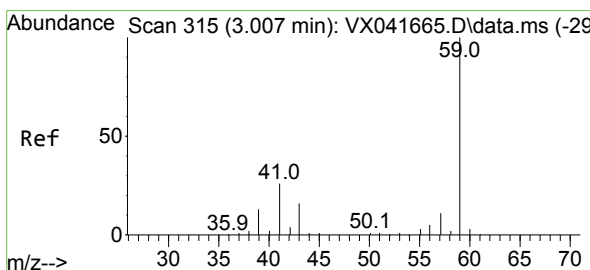
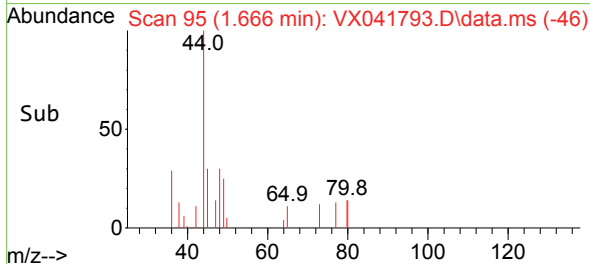
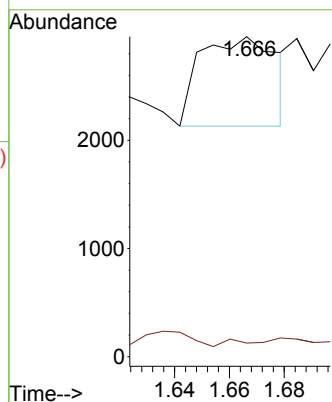
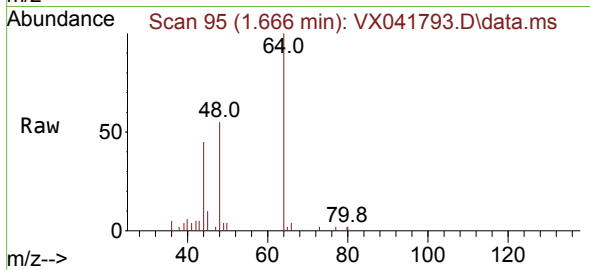




#6
Chloroethane
Concen: 1.939 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

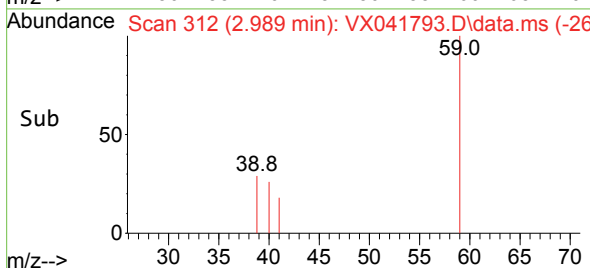
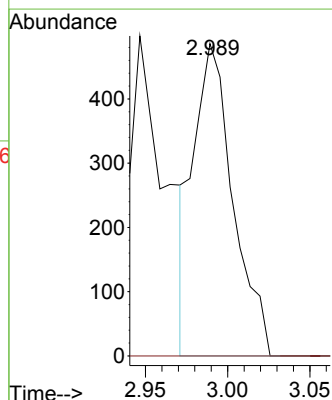
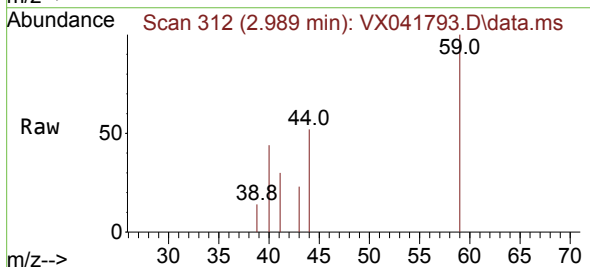
Instrument :
MSVOA_X
ClientSampleId :

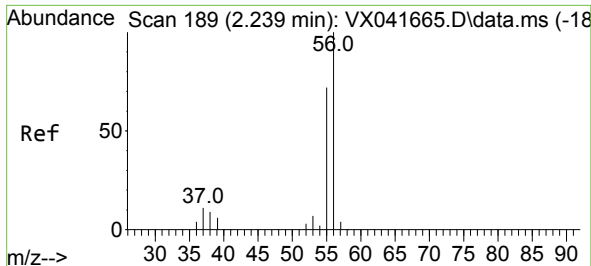
Tgt Ion: 64 Resp: 1588
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.720 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

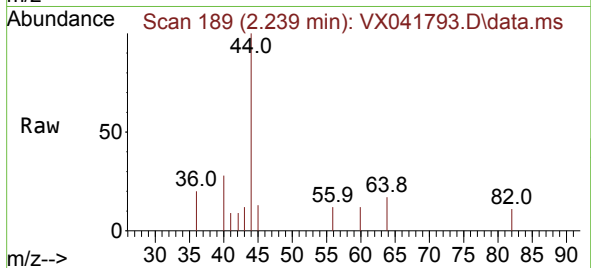
Tgt Ion: 59 Resp: 810
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



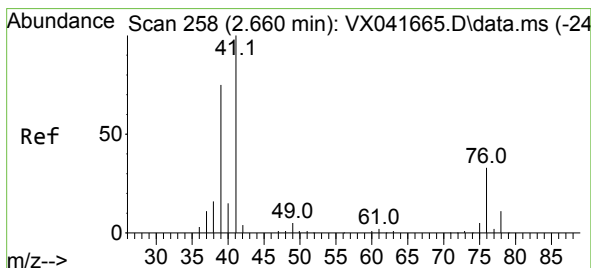
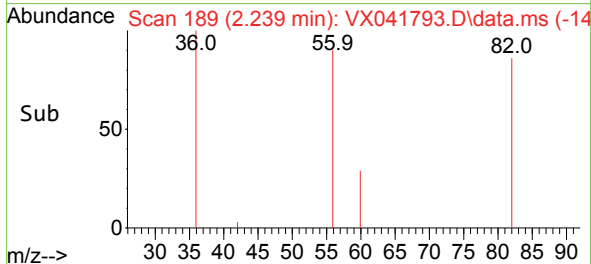
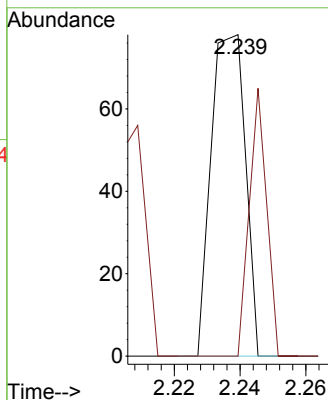


#13
Acrolein
Concen: 0.202 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Instrument :
MSVOA_X
ClientSampleId :

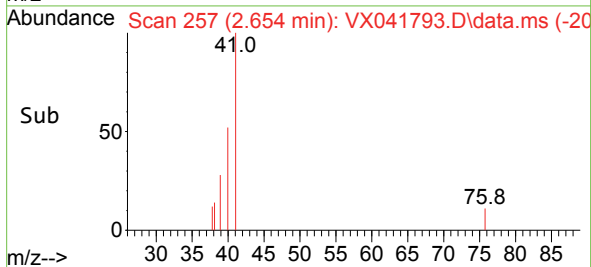
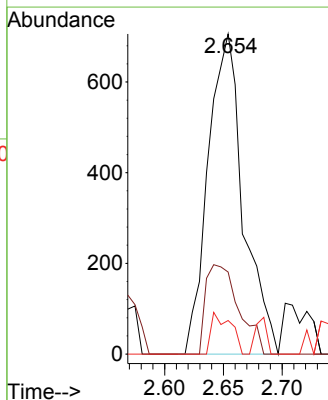
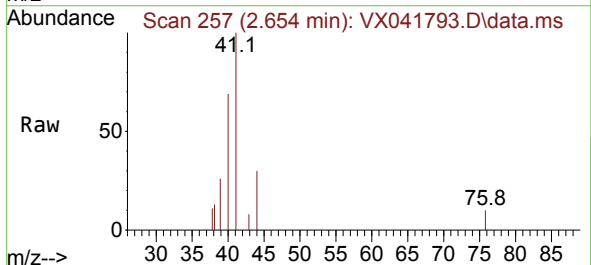


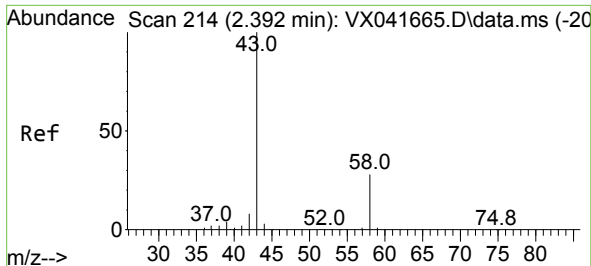
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 42.9 57.1 85.7#



#14
Allyl chloride
Concen: 0.731 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 41 Resp: 1471
Ion Ratio Lower Upper
41 100
39 26.2 55.8 83.6#
76 7.2 24.3 36.5#





#16

Acetone

Concen: 119.384 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

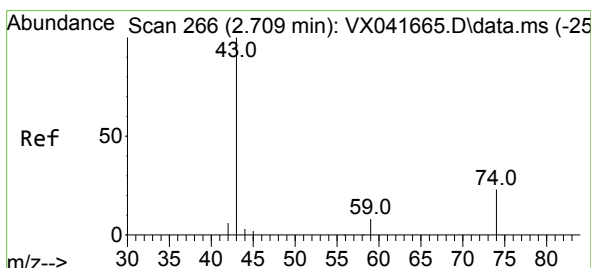
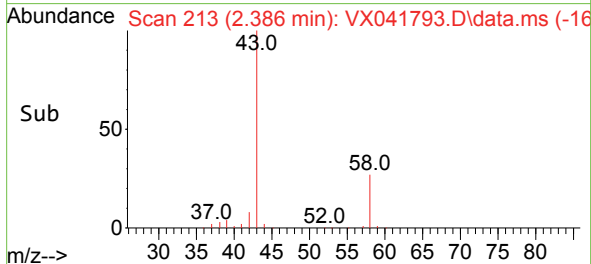
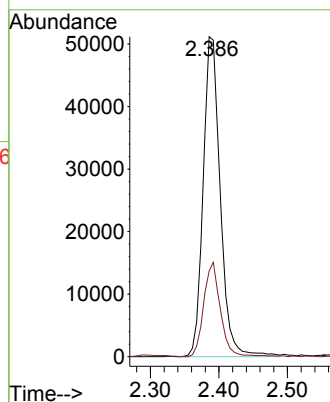
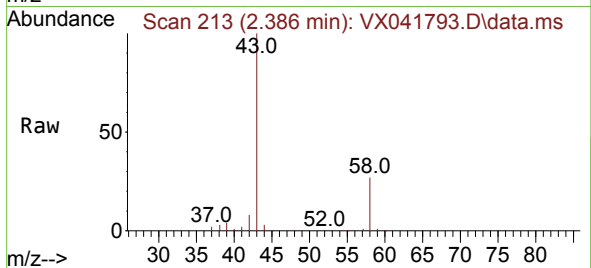
ClientSampleId :

Tgt Ion: 43 Resp: 89113

Ion Ratio Lower Upper

43 100

58 26.7 21.9 32.9



#18

Methyl Acetate

Concen: 2.480 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041793.D

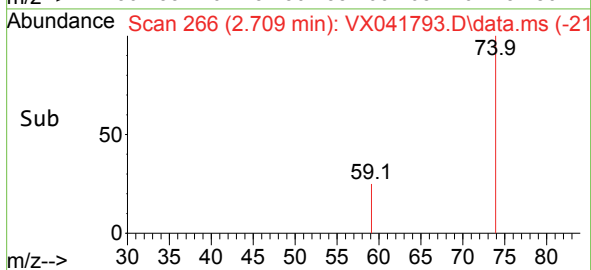
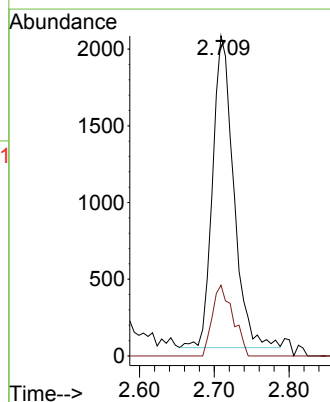
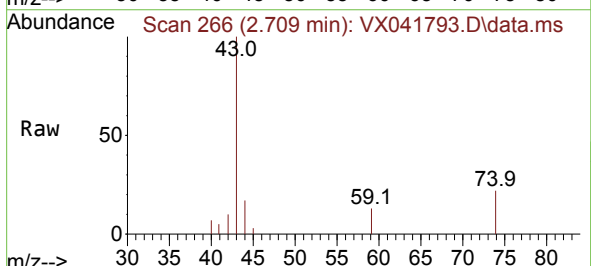
Acq: 07 Jun 2024 17:06

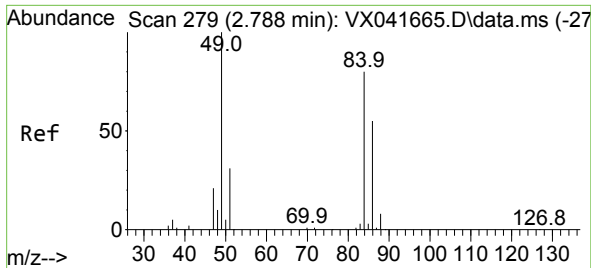
Tgt Ion: 43 Resp: 3987

Ion Ratio Lower Upper

43 100

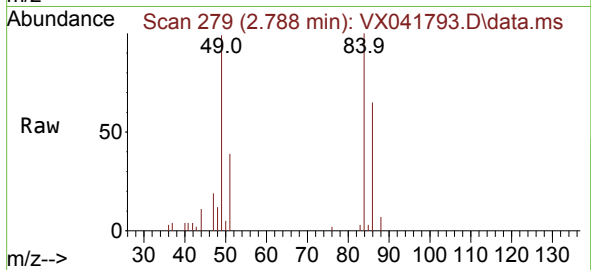
74 22.0 17.8 26.8



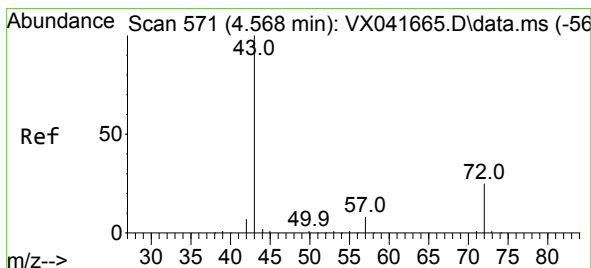
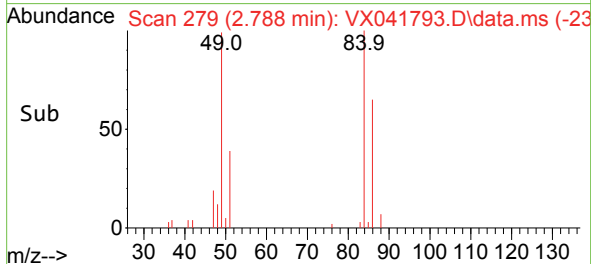
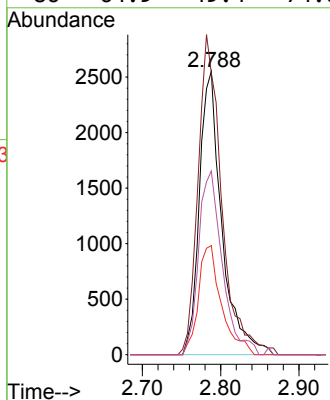


#20
Methylene Chloride
Concen: 3.383 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Instrument :
MSVOA_X
ClientSampleId :

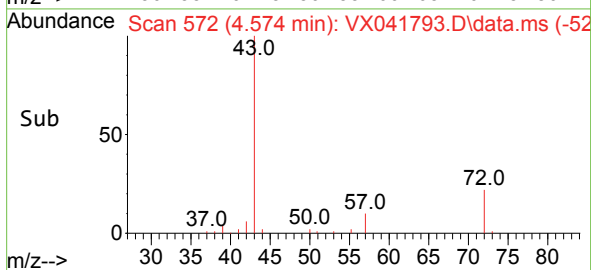
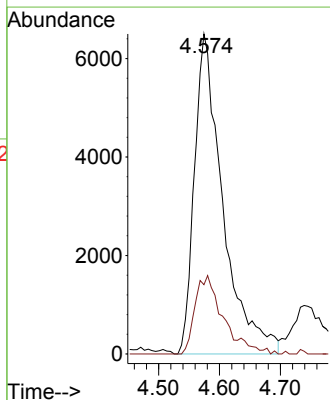
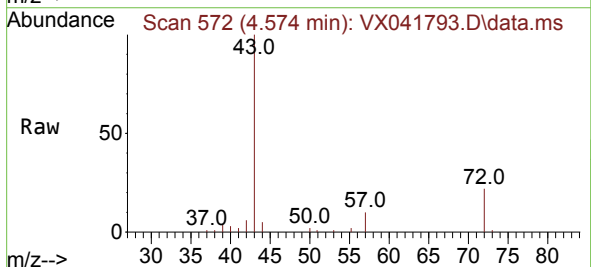


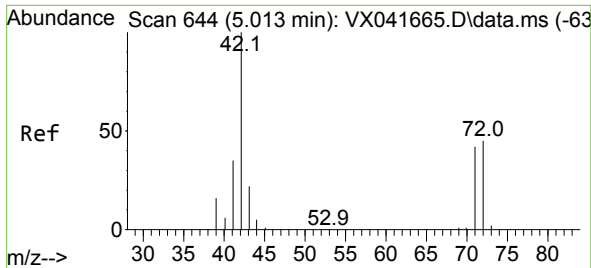
Tgt Ion:	84	Resp:	5097
Ion	Ratio	Lower	Upper
84	100		
49	99.4	103.6	155.4#
51	38.5	33.8	50.6
86	64.9	49.4	74.0



#25
2-Butanone
Concen: 20.119 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion:	43	Resp:	21050
Ion	Ratio	Lower	Upper
43	100		
72	21.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.963 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041793.D

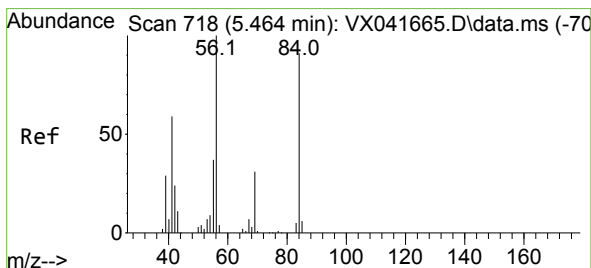
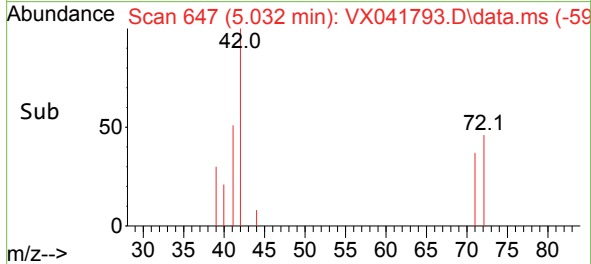
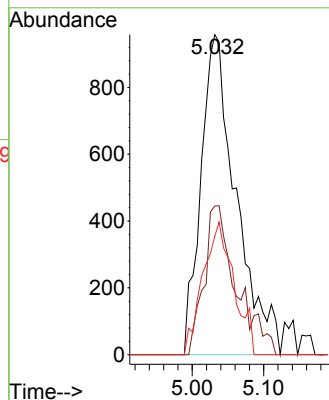
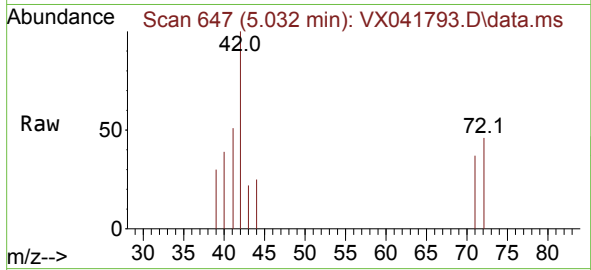
Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	3275
Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.4
71	36.4	32.2	48.2



#31

Cyclohexane

Concen: 1.289 ug/l

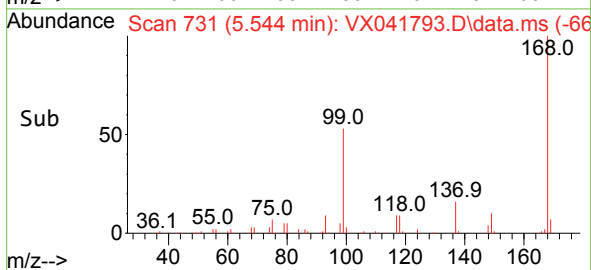
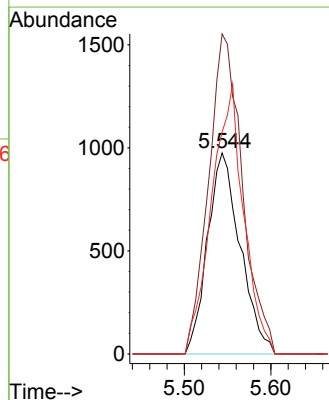
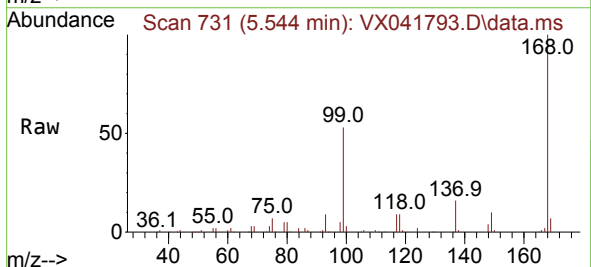
RT: 5.544 min Scan# 731

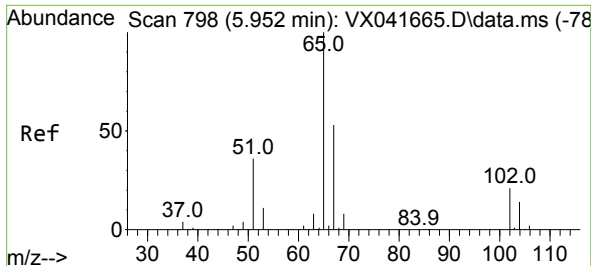
Delta R.T. 0.079 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Tgt Ion:	56	Resp:	2561
Ion	Ratio	Lower	Upper
56	100		
69	159.3	23.4	35.2#
84	110.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.796 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

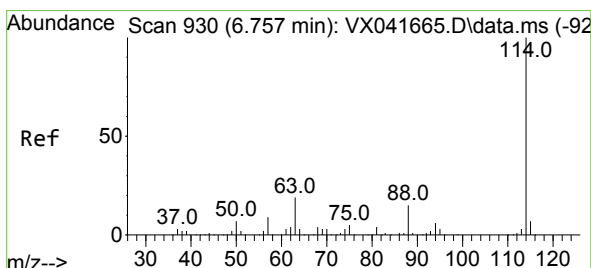
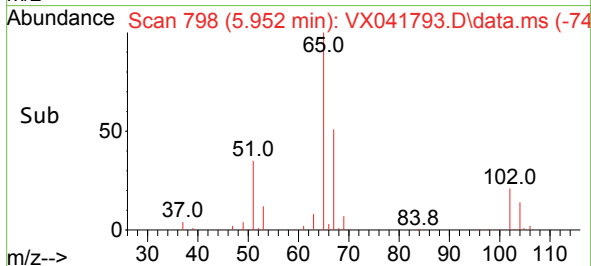
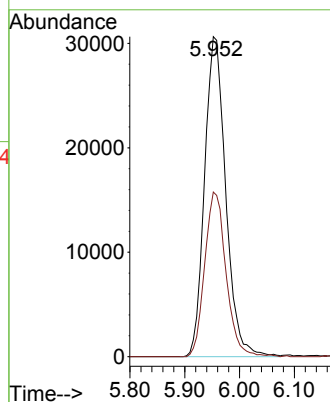
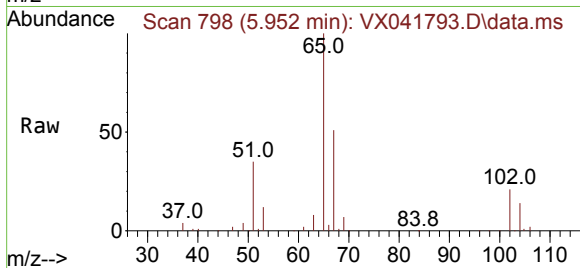
ClientSampleId :

Tgt Ion: 65 Resp: 82147

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

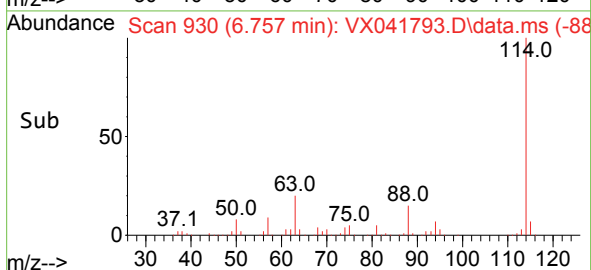
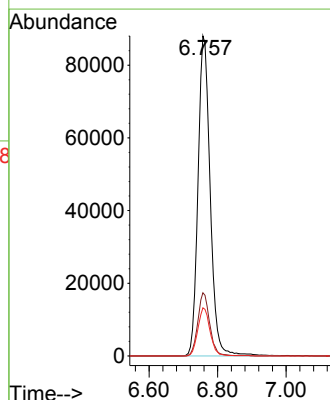
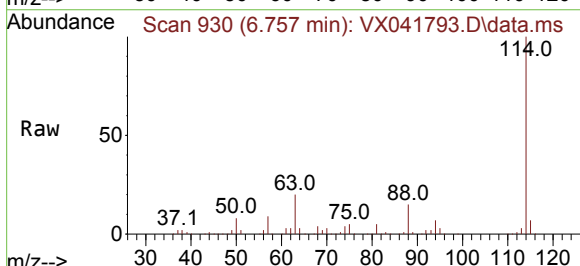
Tgt Ion: 114 Resp: 218199

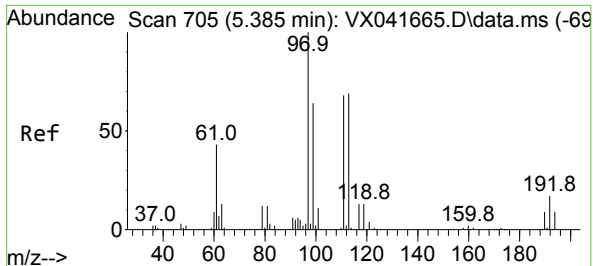
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

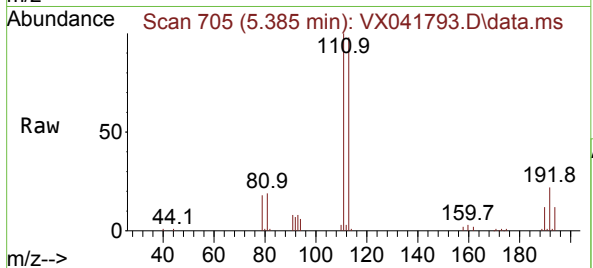
88 15.1 0.0 36.6



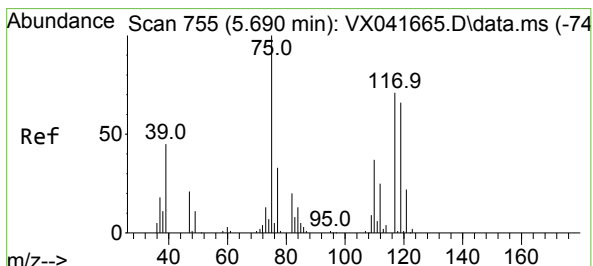
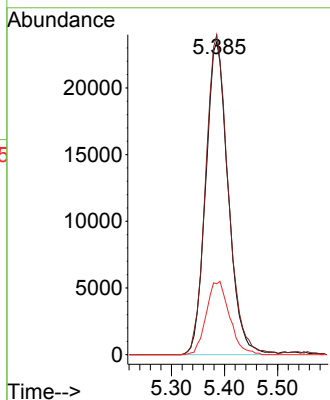
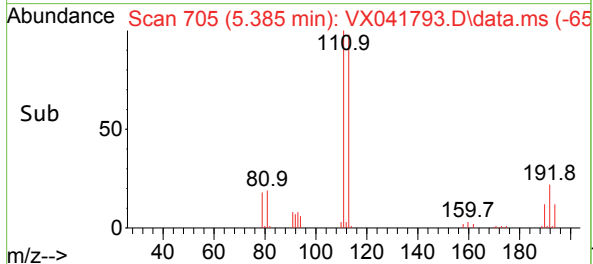


#35
Dibromofluoromethane
Concen: 45.745 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Instrument :
MSVOA_X
ClientSampleId :

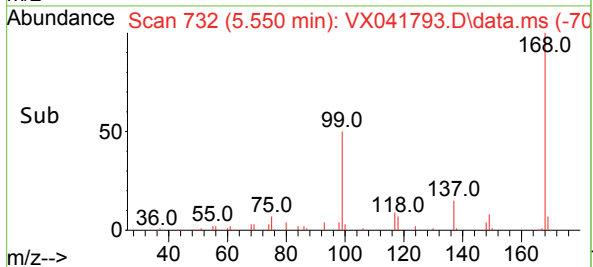
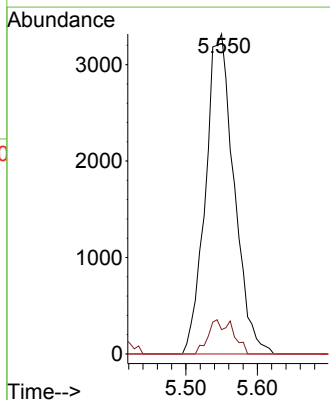
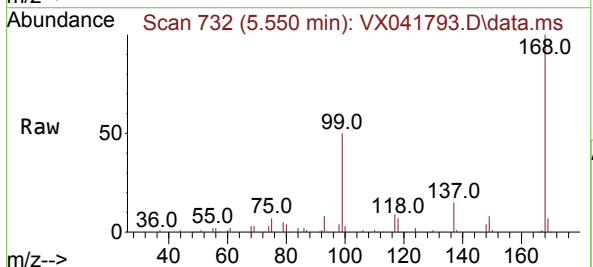


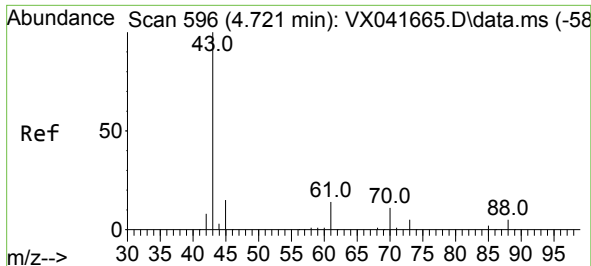
Tgt Ion:113 Resp: 69012
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 24.2 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 75 Resp: 9210
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.694 ug/l

RT: 4.739 min Scan# 596

Delta R.T. 0.018 min

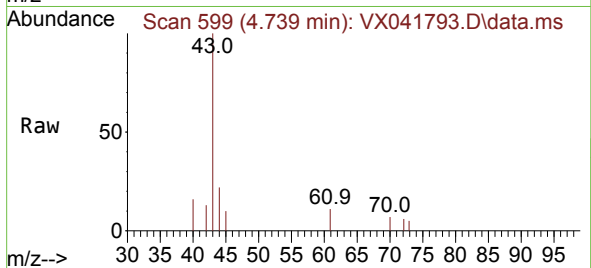
Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

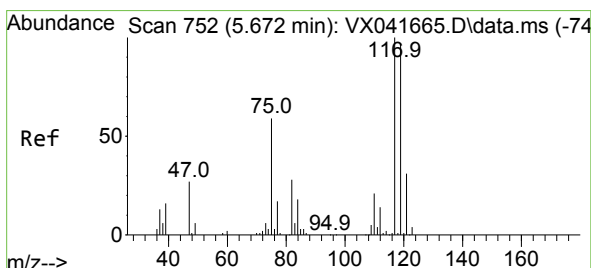
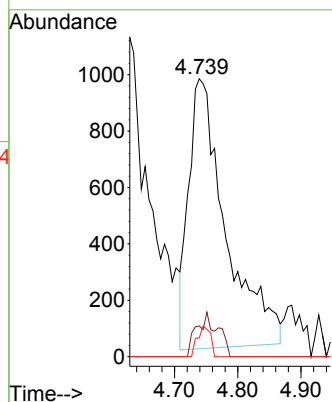
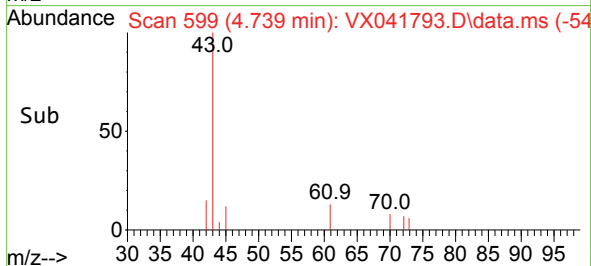
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp:	3906
Ion	Ratio	Lower Upper
43	100	
61	9.3	10.6 16.0#
70	3.9	8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

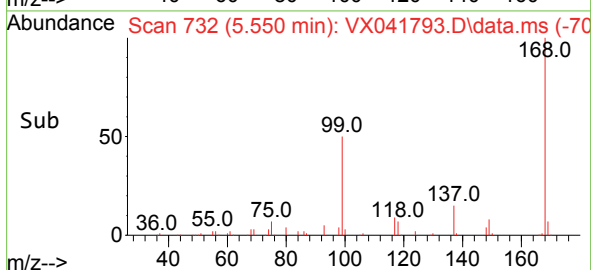
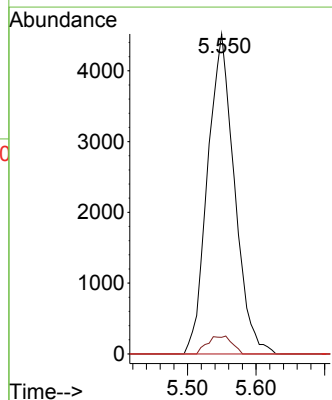
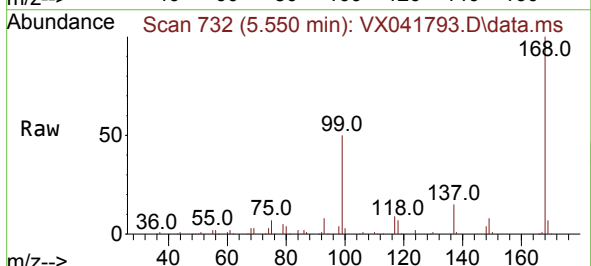
RT: 5.550 min Scan# 732

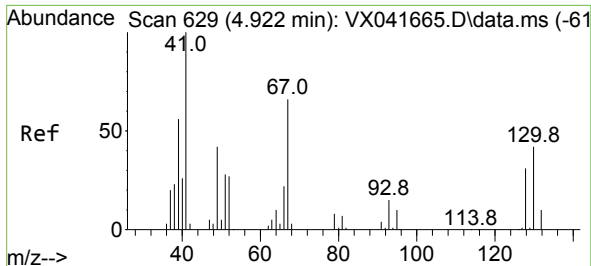
Delta R.T. -0.122 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Tgt Ion: 117	Resp:	12287
Ion	Ratio	Lower Upper
117	100	
119	5.2	78.2 117.2#
121	0.0	24.4 36.6#

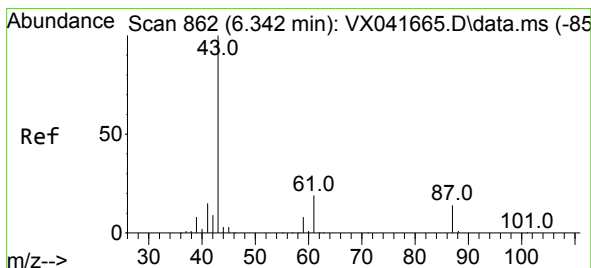
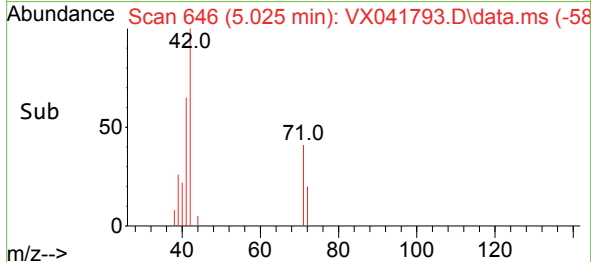
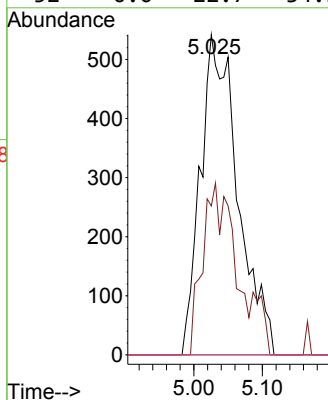
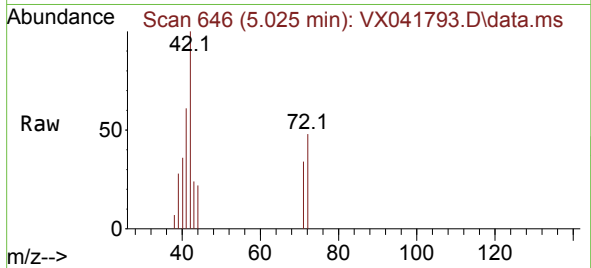




#41
Methacrylonitrile
Concen: 1.818 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

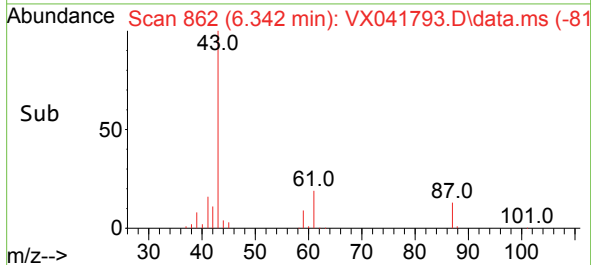
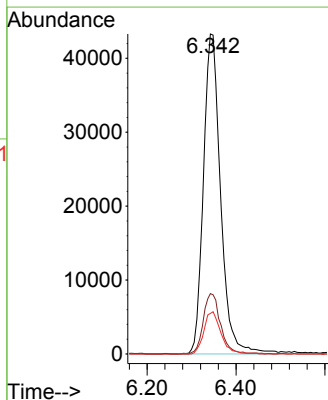
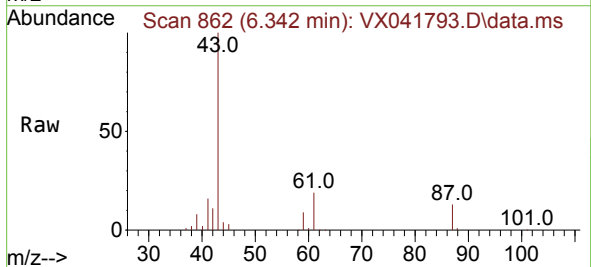
Instrument :
MSVOA_X
ClientSampleId :

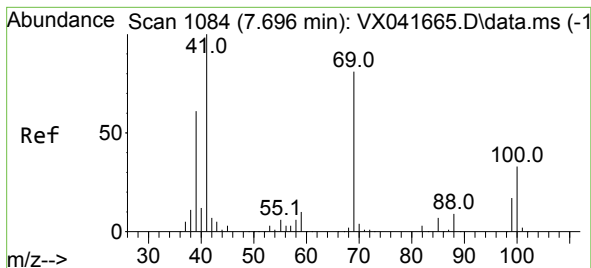
Tgt Ion: 41	Resp: 2050
Ion Ratio	Lower Upper
41 100	
39 24.9	45.2 67.8#
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 33.536 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 43	Resp: 116724
Ion Ratio	Lower Upper
43 100	
61 18.7	15.2 22.8
87 13.1	9.8 14.6





#48

Methyl methacrylate

Concen: 68.009 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

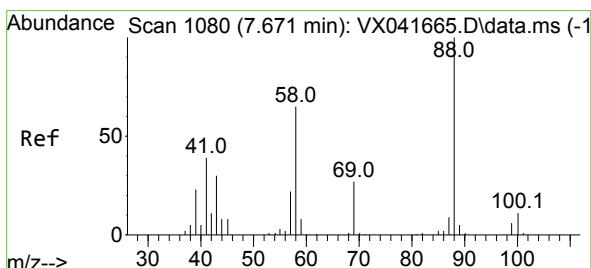
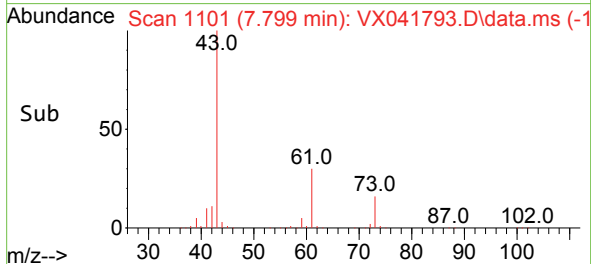
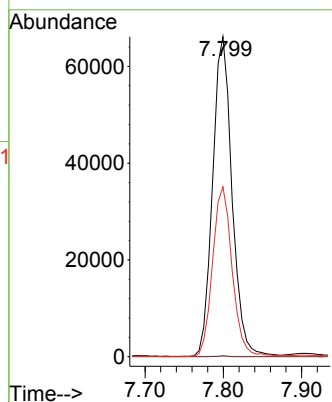
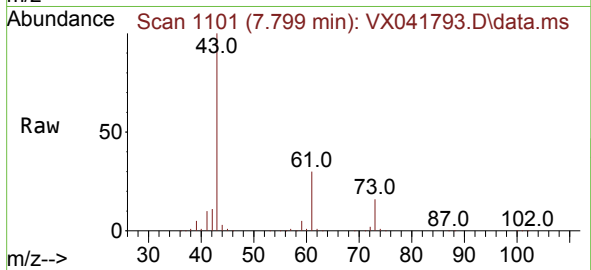
Tgt Ion: 41 Resp: 113676

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 53.9 47.7 71.5



#49

1,4-Dioxane

Concen: 4.381 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.134 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

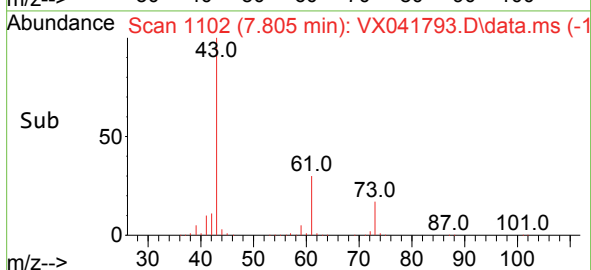
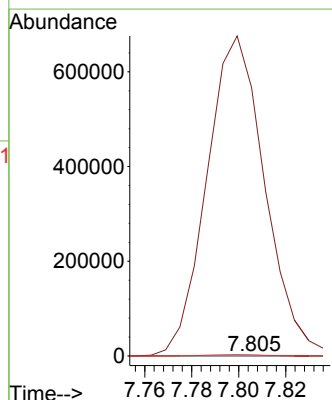
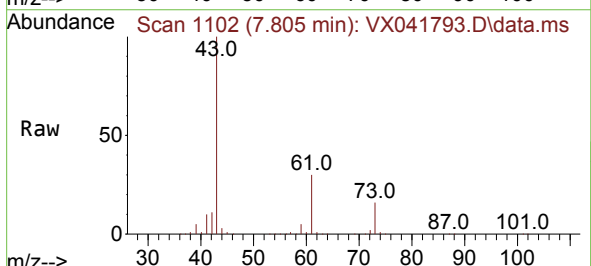
Tgt Ion: 88 Resp: 160

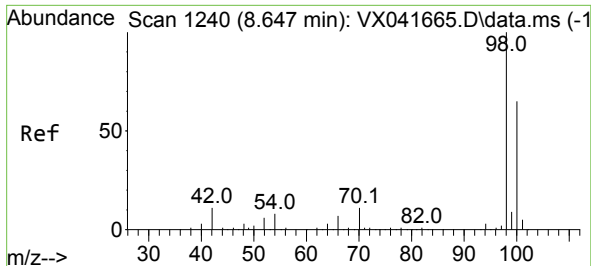
Ion Ratio Lower Upper

88 100

43 737082.5 0.0 0.0#

58 3216.3 60.1 90.1#

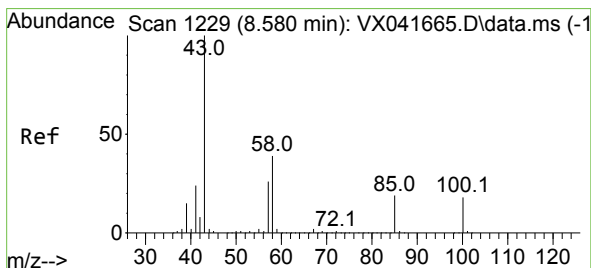
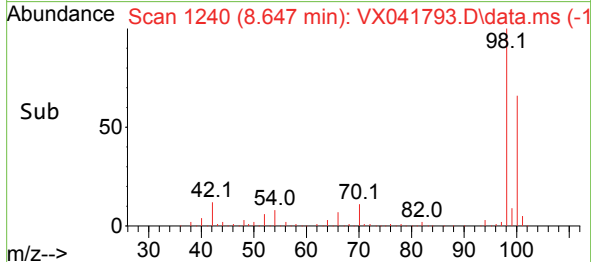
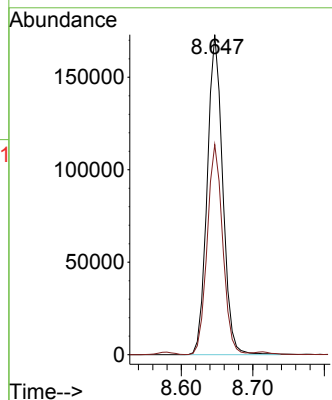
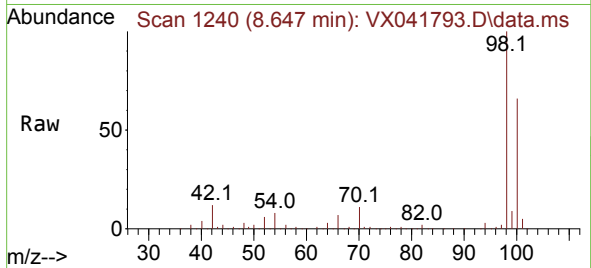




#50
Toluene-d8
Concen: 49.389 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

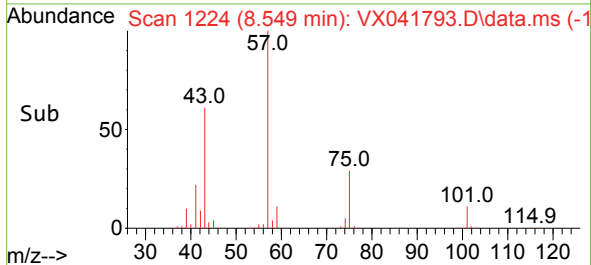
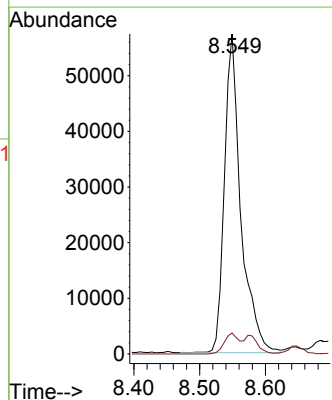
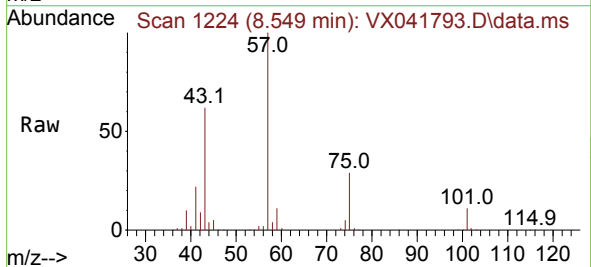
Instrument :
MSVOA_X
ClientSampleId :

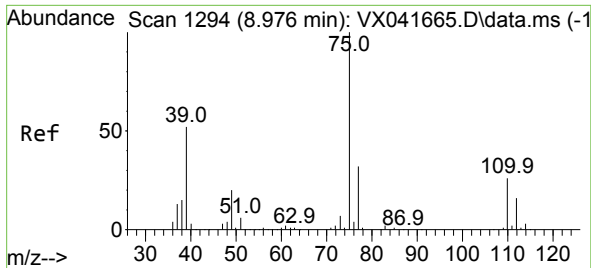
Tgt Ion: 98 Resp: 260345
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 44.066 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 43 Resp: 99456
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#

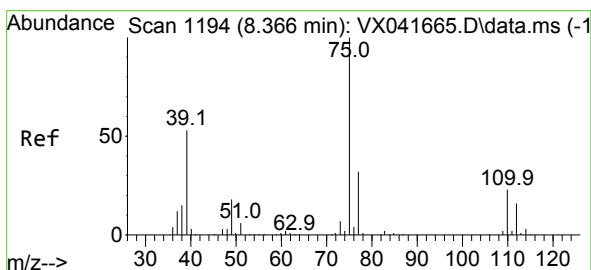
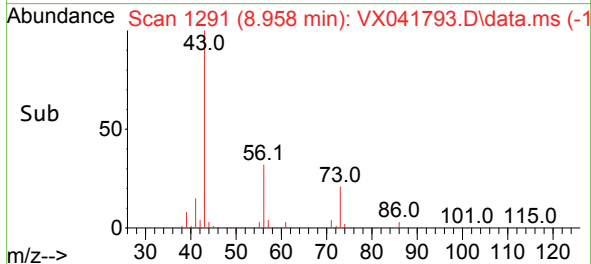
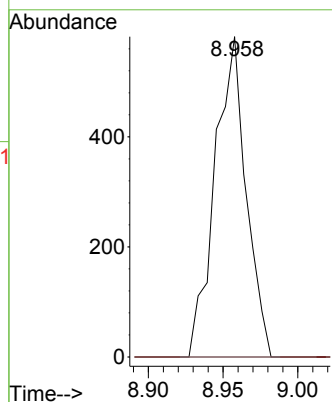
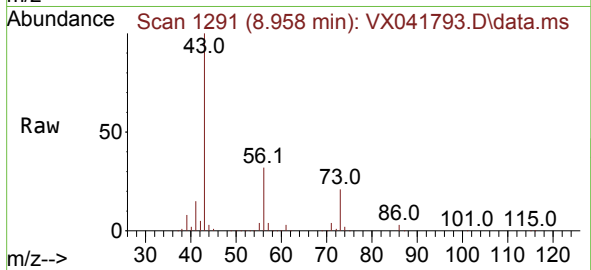




#53
 t-1,3-Dichloropropene
 Concen: 0.445 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

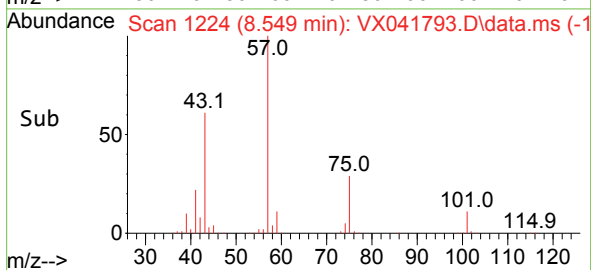
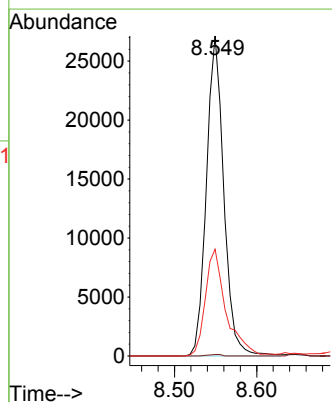
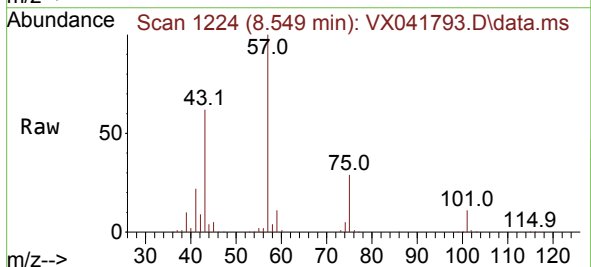
Instrument :
 MSVOA_X
 ClientSampleId :

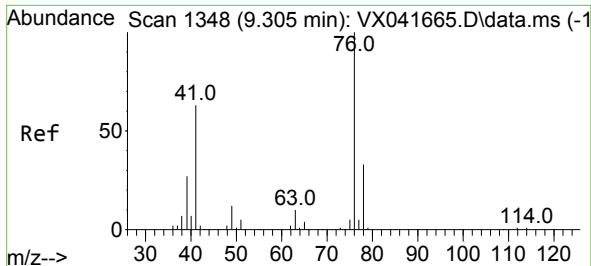
Tgt Ion: 75 Resp: 845
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.976 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

Tgt Ion: 75 Resp: 39839
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.290 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

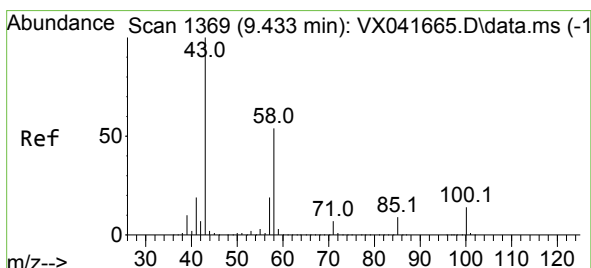
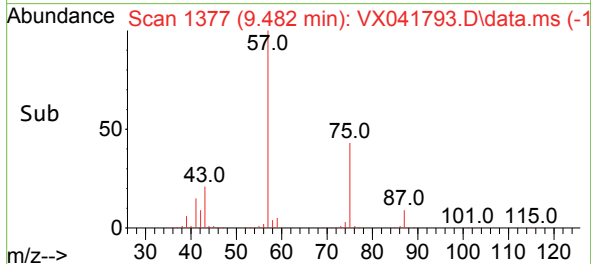
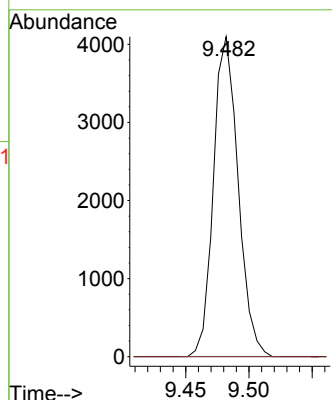
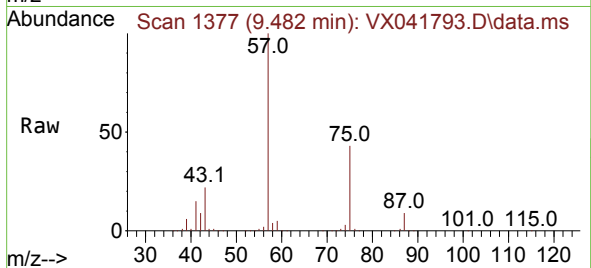
ClientSampleId :

Tgt Ion: 76 Resp: 5553

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.847 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041793.D

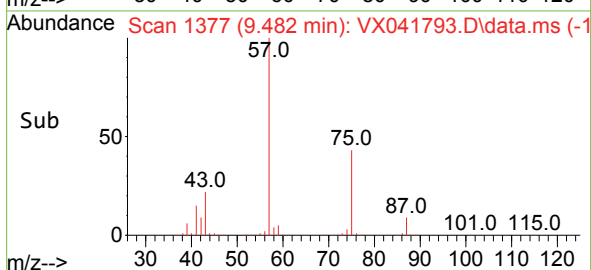
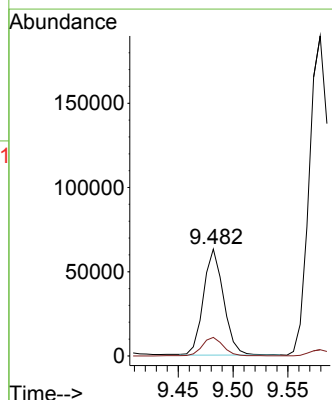
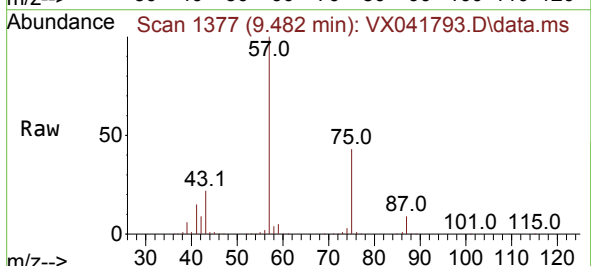
Acq: 07 Jun 2024 17:06

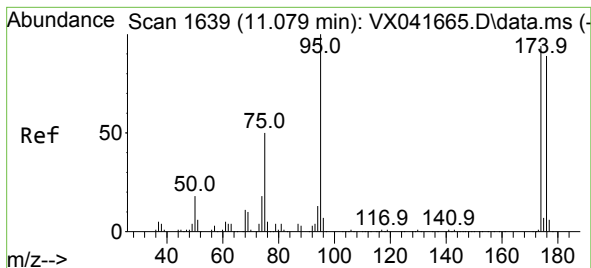
Tgt Ion: 43 Resp: 80612

Ion Ratio Lower Upper

43 100

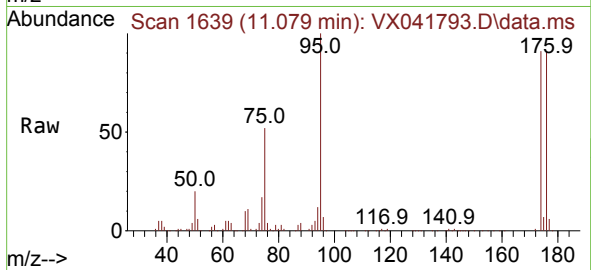
58 18.8 26.2 78.5#



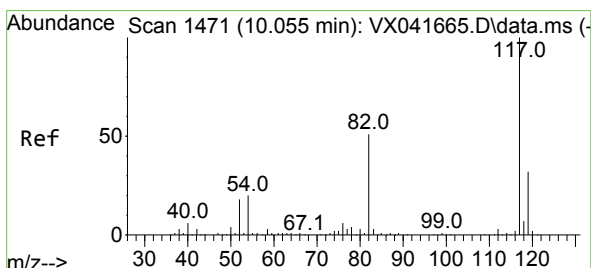
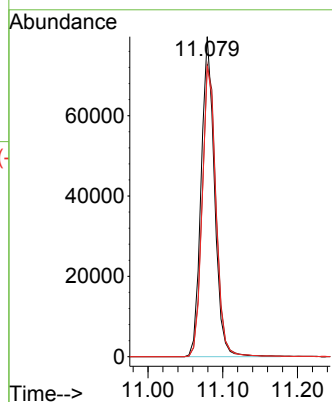
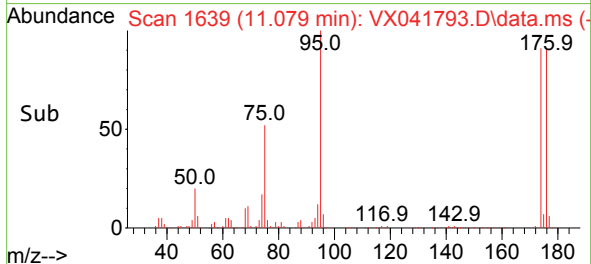


#62
4-Bromofluorobenzene
Concen: 50.723 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

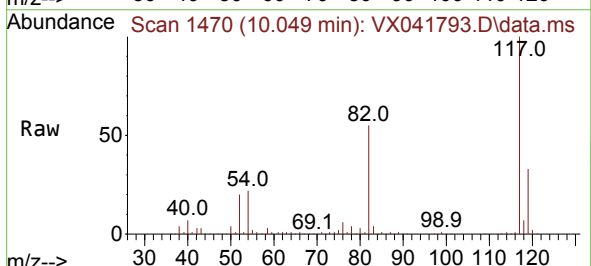
Instrument :
MSVOA_X
ClientSampleId :



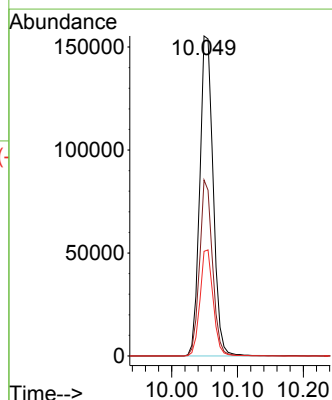
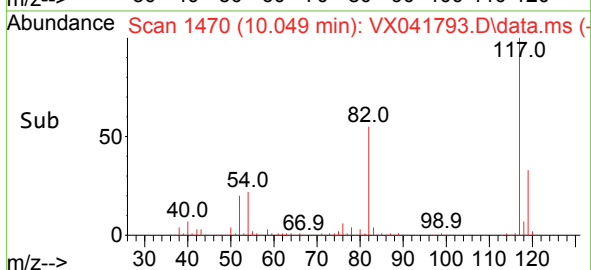
Tgt Ion: 95 Resp: 98683
Ion Ratio Lower Upper
95 100
174 95.3 0.0 135.6
176 93.2 0.0 131.0

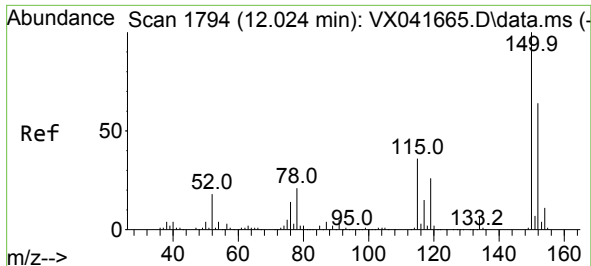


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06



Tgt Ion: 117 Resp: 219662
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.7 25.5 38.3

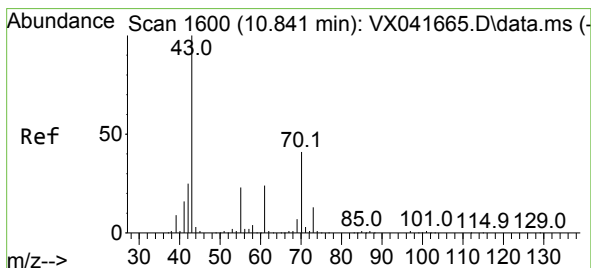
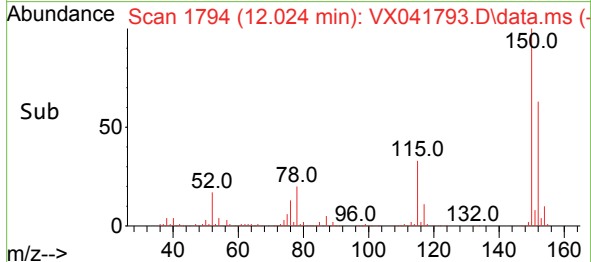
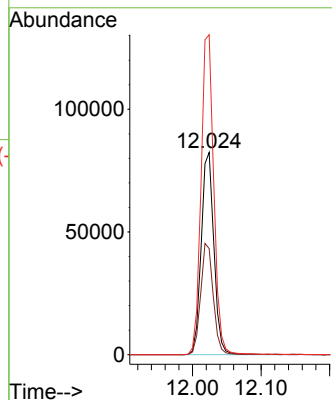
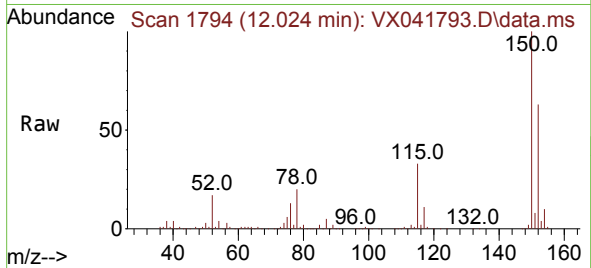




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

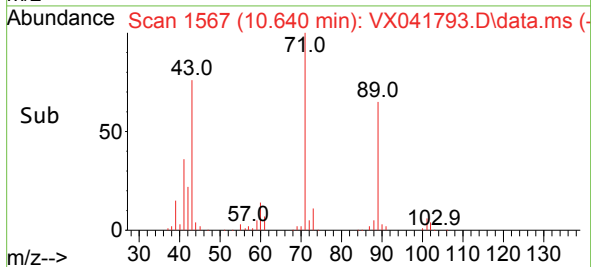
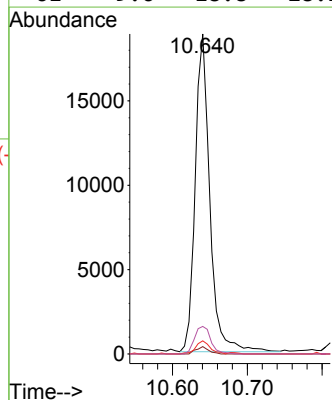
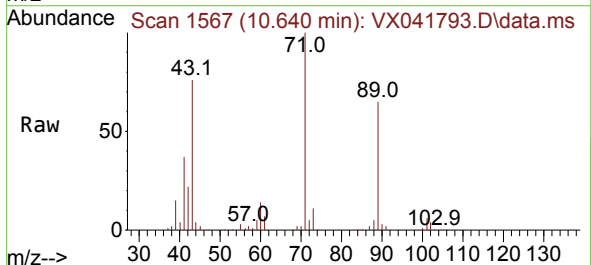
Instrument :
 MSVOA_X
 ClientSampleId :

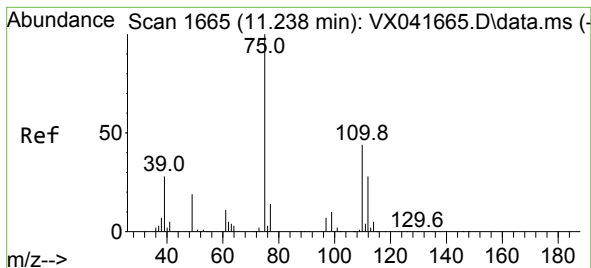
Tgt Ion:152 Resp: 106338
 Ion Ratio Lower Upper
 152 100
 115 54.8 43.3 129.9
 150 159.0 0.0 345.0



#74
 N-ethyl acetate
 Concen: 8.738 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

Tgt Ion: 43 Resp: 25532
 Ion Ratio Lower Upper
 43 100
 70 2.0 32.9 49.3#
 55 4.0 19.3 28.9#
 61 9.6 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.123 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

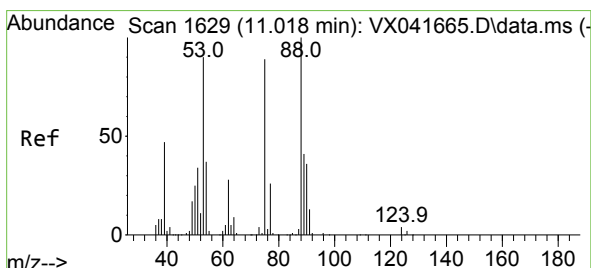
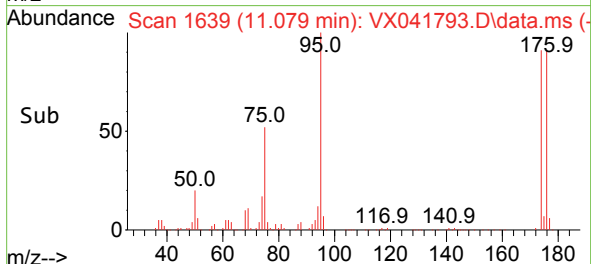
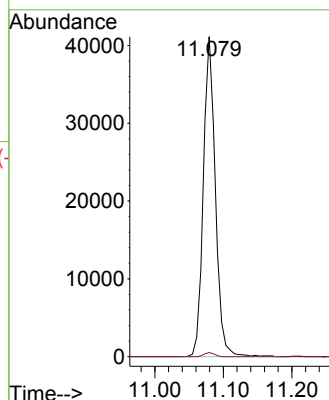
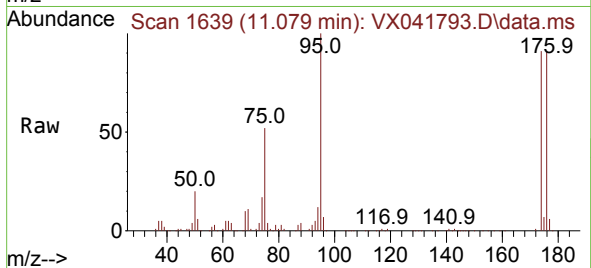
ClientSampleId :

Tgt Ion: 75 Resp: 50324

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.925 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Tgt Ion: 75 Resp: 50324

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

