

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062524\
 Data File : VX042020.D
 Acq On : 25 Jun 2024 10:27
 Operator : JC/MD
 Sample : VX0625MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 05:32:21 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)

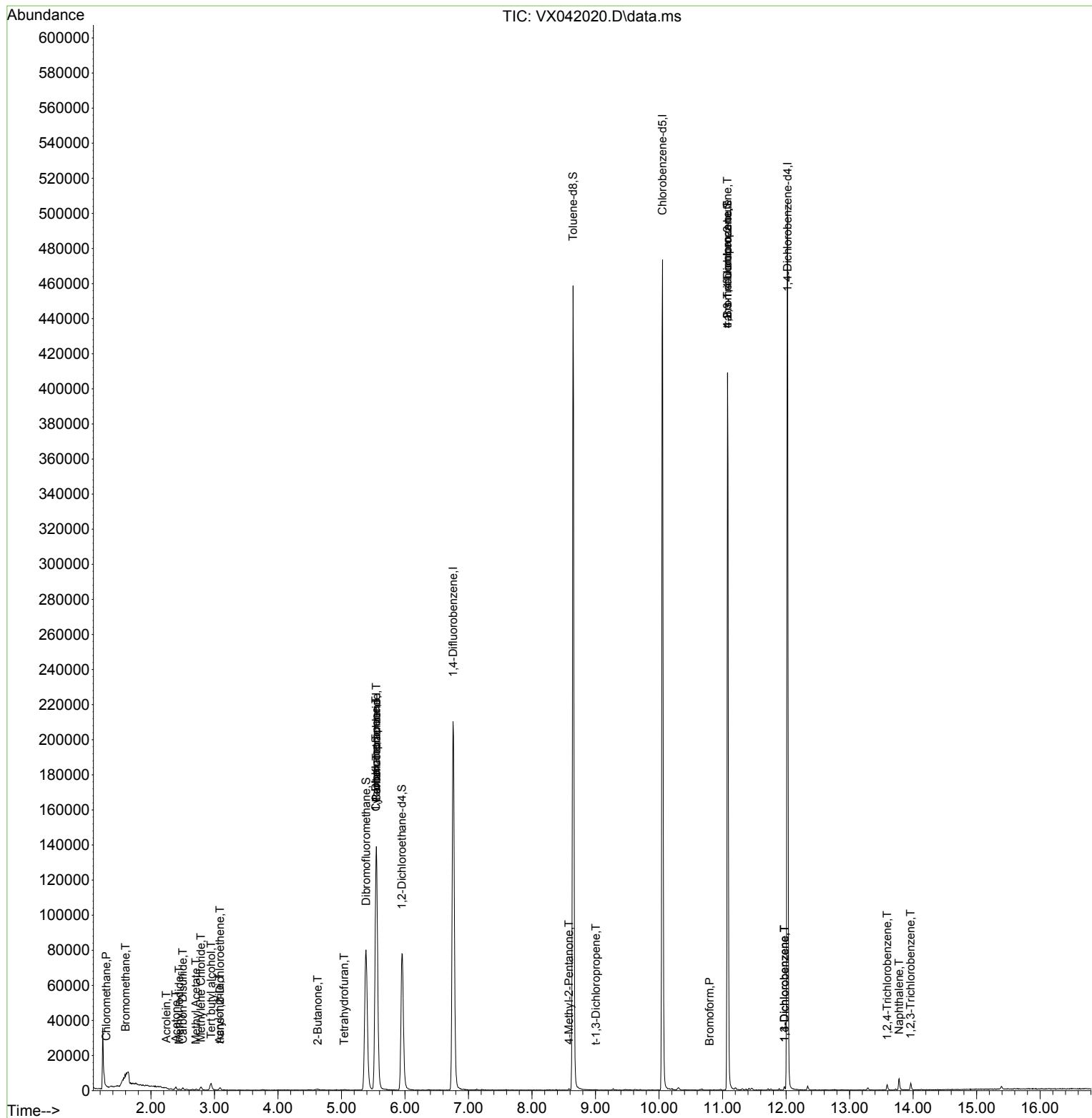
Internal Standards						
1) Pentafluorobenzene	5.549	168	151953	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	235181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75575	43.131	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.260%
35) Dibromofluoromethane	5.385	113	72648	43.535	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.060%
50) Toluene-d8	8.646	98	278333	47.478	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.960%
62) 4-Bromofluorobenzene	11.079	95	107053	49.539	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.080%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	407	0.280	ug/l	91
5) Bromomethane	1.599	94	447	0.622	ug/l	# 66
6) Chloroethane	1.666	64	217	Below Cal	#	62
10) Methyl Iodide	2.446	142	337	0.206	ug/l	# 65
11) Tert butyl alcohol	2.946	59	2364	7.109	ug/l	# 78
13) Acrolein	2.239	56	519	1.392	ug/l	97
15) Acrylonitrile	3.080	53	578	0.665	ug/l	97
16) Acetone	2.392	43	1464	1.903	ug/l	98
17) Carbon Disulfide	2.501	76	1350	0.505	ug/l	97
18) Methyl Acetate	2.709	43	491	0.234	ug/l	# 77
20) Methylene Chloride	2.788	84	975	0.579	ug/l	# 80
21) trans-1,2-Dichloroethene	3.087	96	359	0.270	ug/l	# 71
25) 2-Butanone	4.623	43	271	0.226	ug/l	# 51
29) Tetrahydrofuran	5.043	42	319	0.413	ug/l	# 42
31) Cyclohexane	5.543	56	2190	1.069	ug/l	# 1
36) 1,1-Dichloropropene	5.543	75	8937	5.043	ug/l	# 50
38) Carbon Tetrachloride	5.549	117	12694	6.483	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.579	43	616	0.252	ug/l	# 84
53) t-1,3-Dichloropropene	9.006	75	202	0.989	ug/l	# 43
71) Bromoform	10.799	173	46	0.904	ug/l	# 29
76) 1,2,3-Trichloropropane	11.079	75	48680	22.140	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48680	62.876	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	820	0.213	ug/l	86
88) 1,4-Dichlorobenzene	11.975	146	820	0.207	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	1213	0.469	ug/l	96
95) Naphthalene	13.780	128	5374	1.357	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1545	0.567	ug/l	94

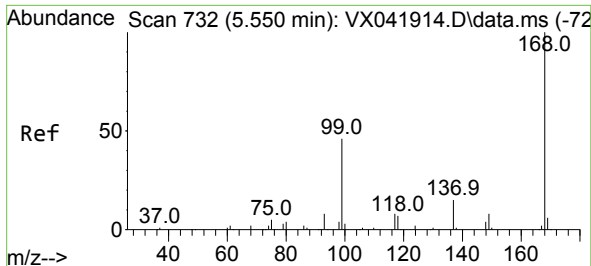
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062524\
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Acq On : 25 Jun 2024 10:27
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Sample : VX0625MBL01
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Instrument :
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Quant Time: Jun 26 05:32:21 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

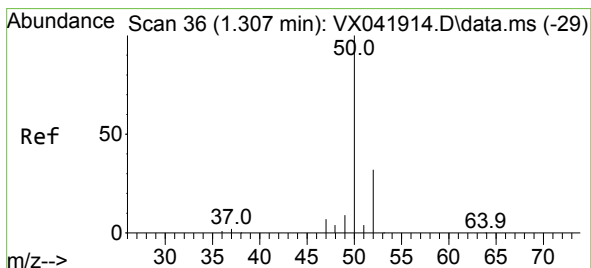
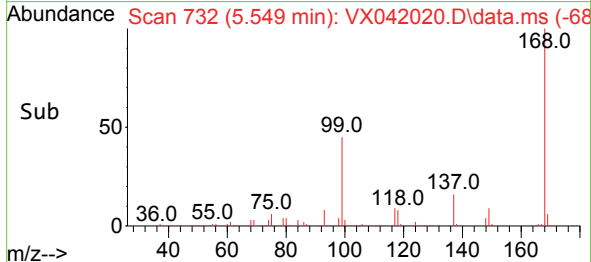
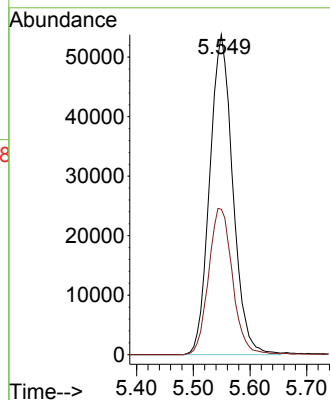
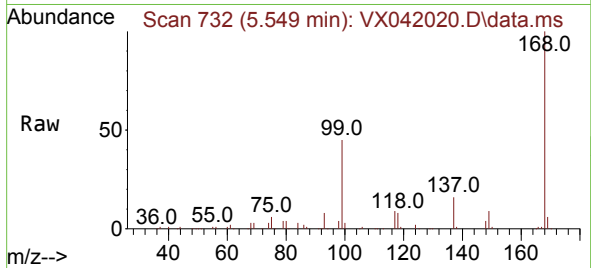




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

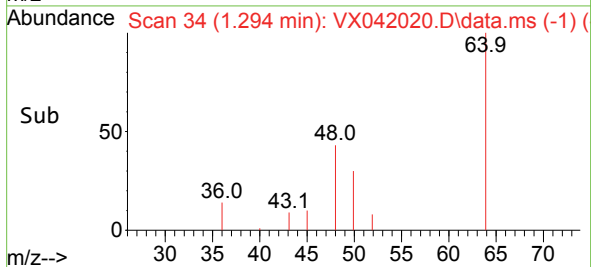
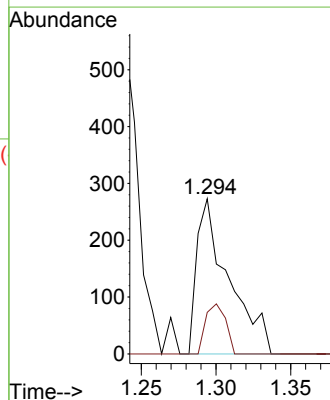
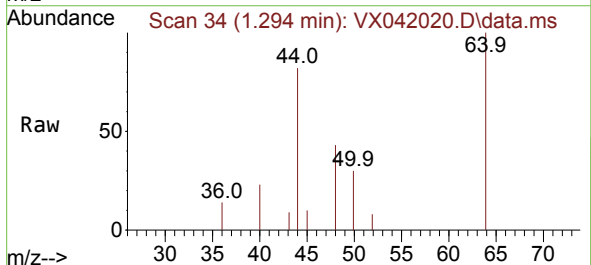
Instrument :
MSVOA_X
ClientSampleId :

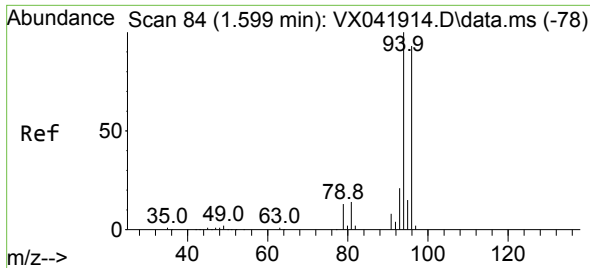
Tgt Ion:168 Resp: 151953
Ion Ratio Lower Upper
168 100
99 45.4 56.6 85.0#



#3
Chloromethane
Concen: 0.280 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

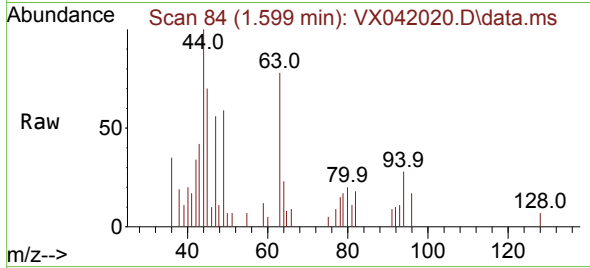
Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 26.7 25.5 38.3



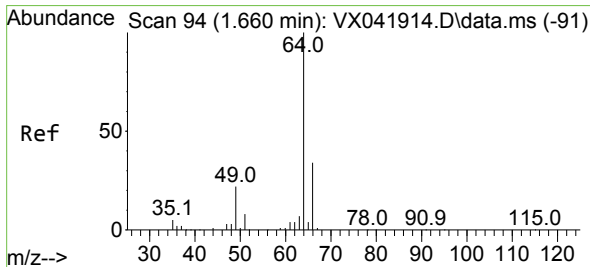
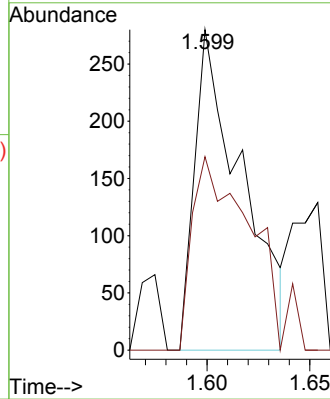
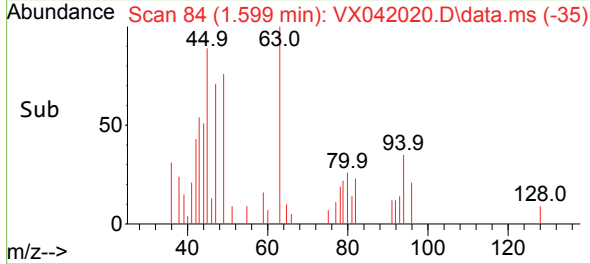


#5
Bromomethane
Concen: 0.622 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

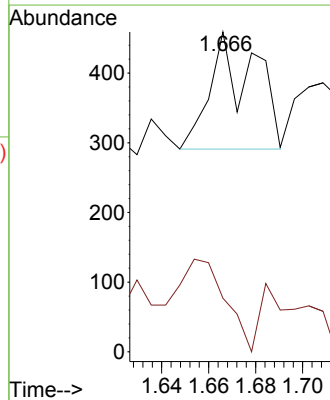
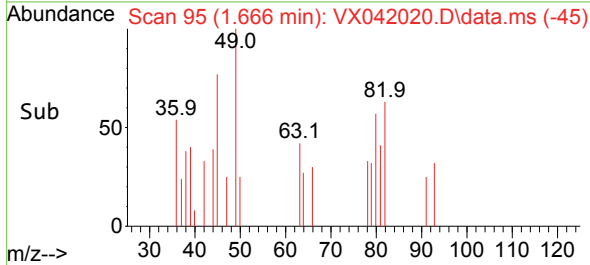
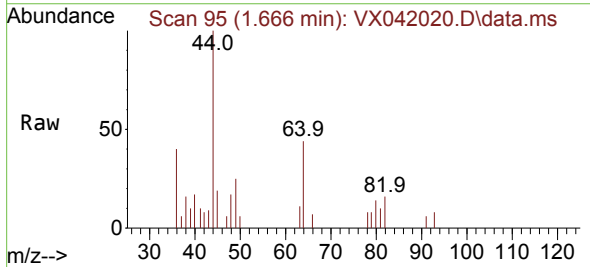


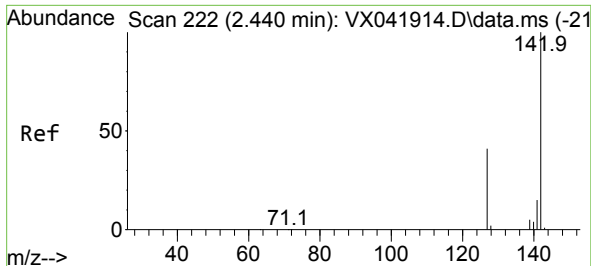
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 60.4 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

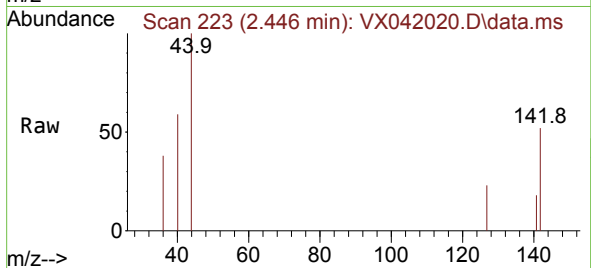
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 10.1 25.1 37.7#



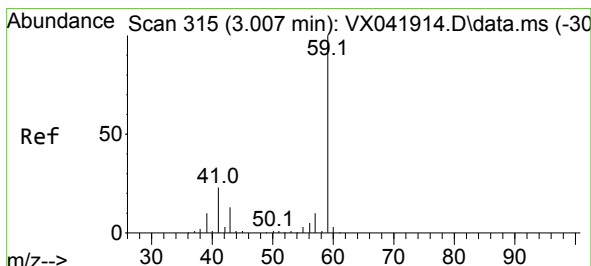
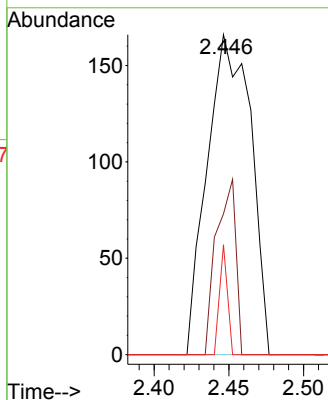
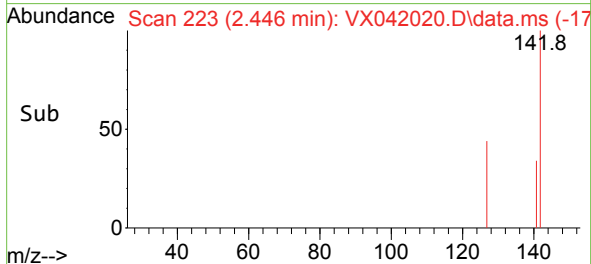


#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.446 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

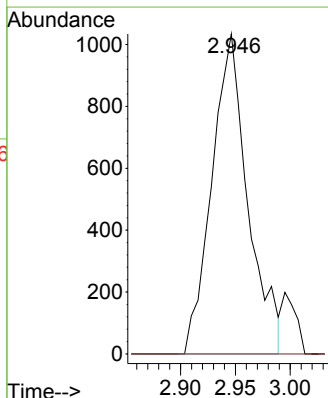
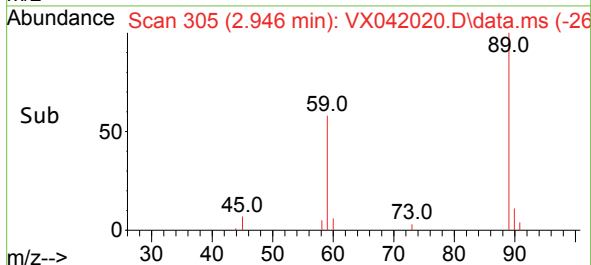
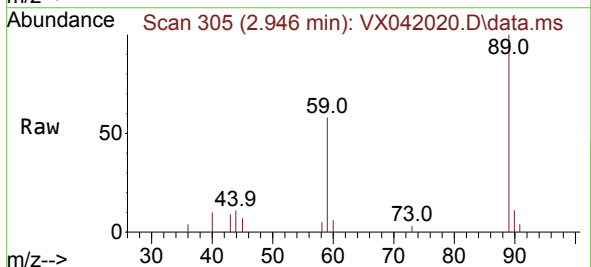


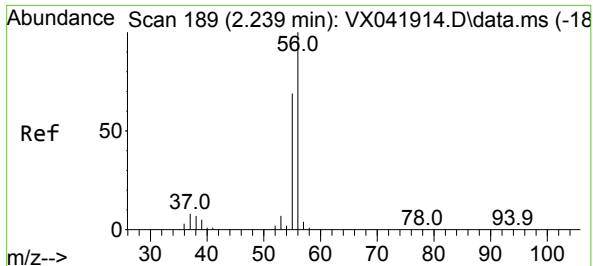
Tgt Ion:142 Resp: 337
Ion Ratio Lower Upper
142 100
127 24.3 41.6 62.4#
141 6.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.109 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Tgt Ion: 59 Resp: 2364
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

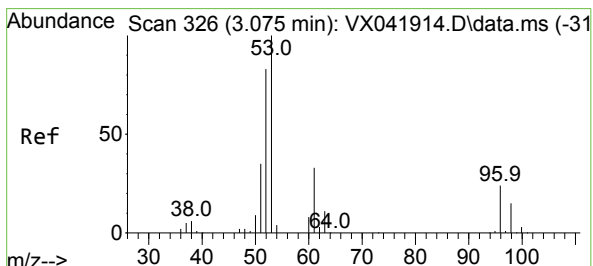
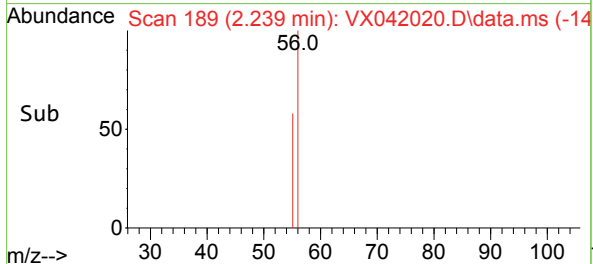
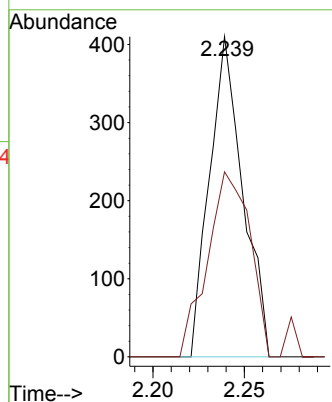
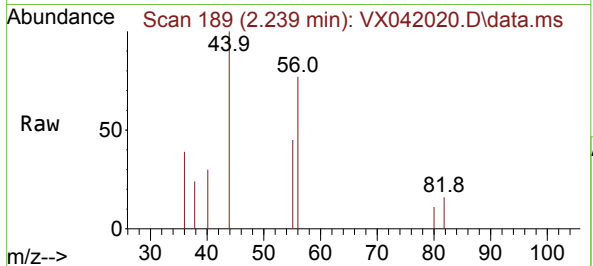




#13
Acrolein
Concen: 1.392 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

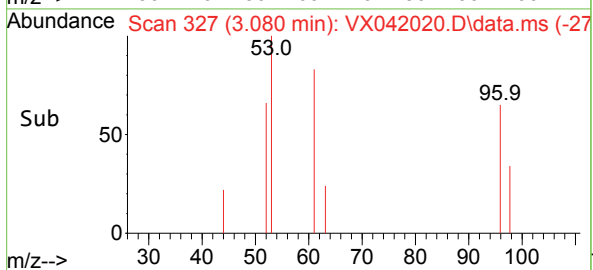
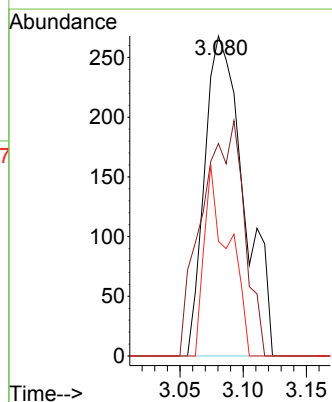
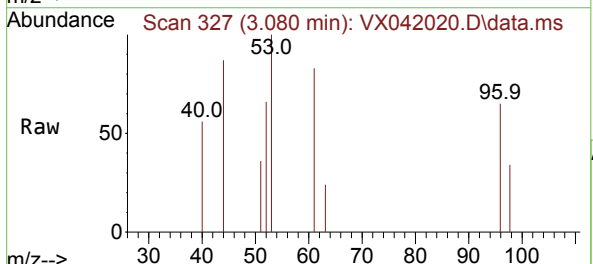
Instrument :
MSVOA_X
ClientSampleId :

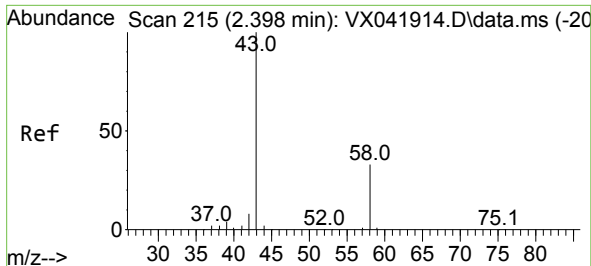
Tgt Ion: 56 Resp: 519
Ion Ratio Lower Upper
56 100
55 74.0 57.1 85.7



#15
Acrylonitrile
Concen: 0.665 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

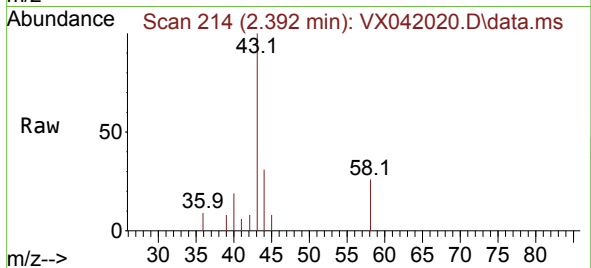
Tgt Ion: 53 Resp: 578
Ion Ratio Lower Upper
53 100
52 78.5 66.0 99.0
51 37.4 29.8 44.6



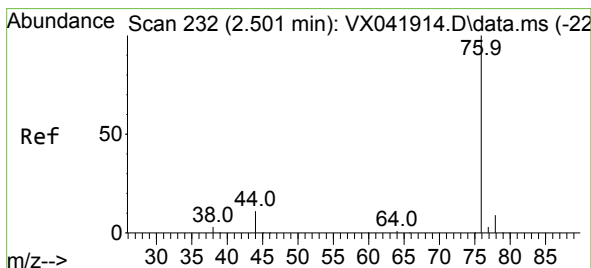
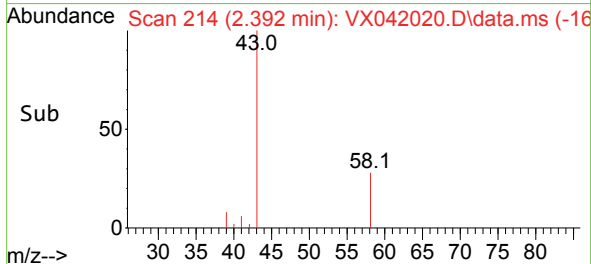
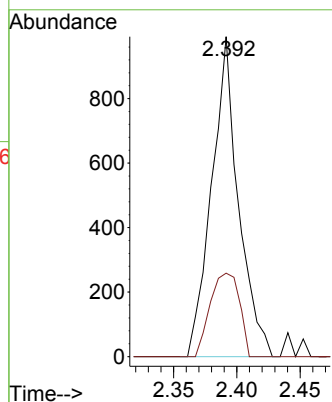


#16
Acetone
Concen: 1.903 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

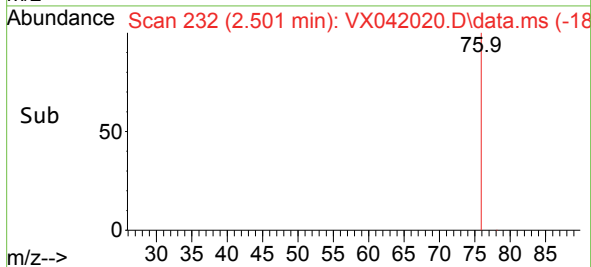
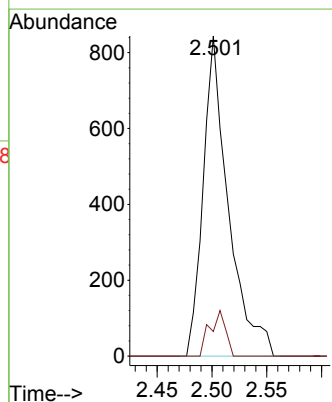
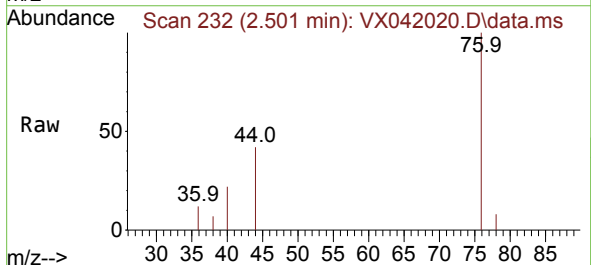


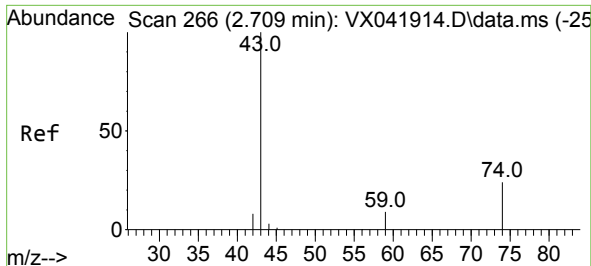
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 26.1 21.9 32.9



#17
Carbon Disulfide
Concen: 0.505 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

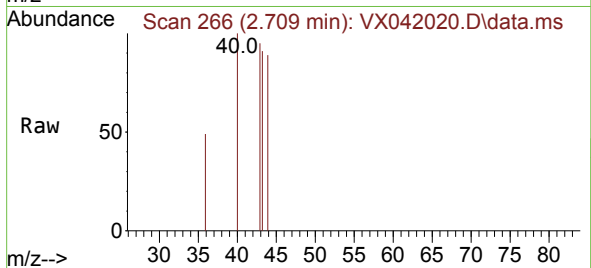
Tgt Ion: 76 Resp: 1350
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.6



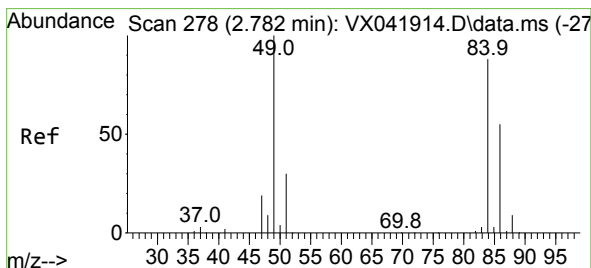
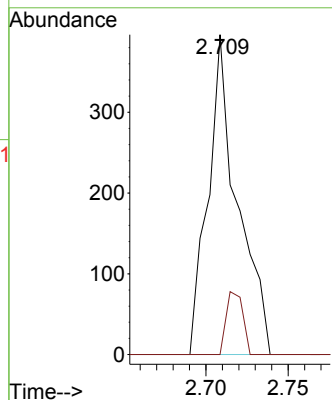
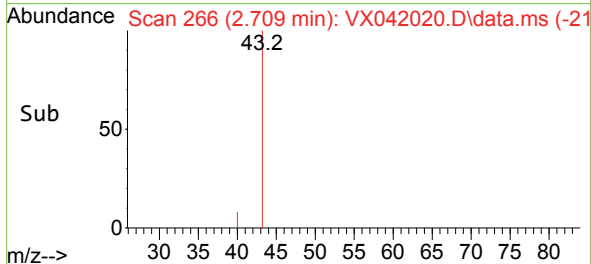


#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.709 min Scan# 209
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

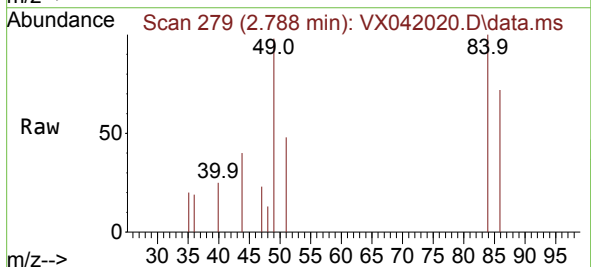
Instrument :
MSVOA_X
ClientSampleId :



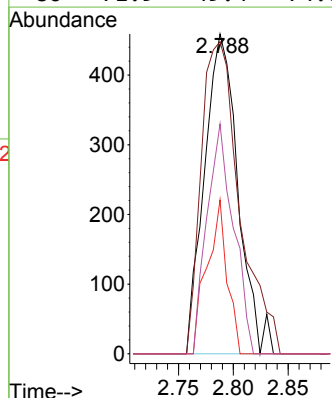
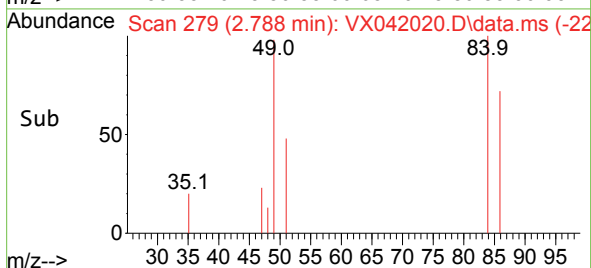
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
74 11.2 17.8 26.8#

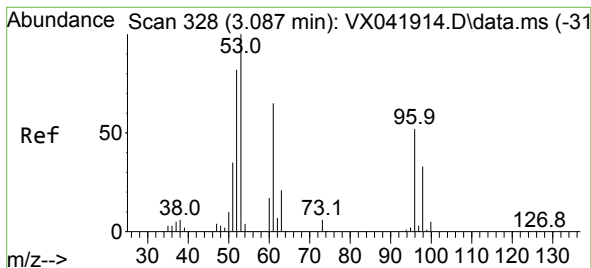


#20
Methylene Chloride
Concen: 0.579 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27



Tgt Ion: 84 Resp: 975
Ion Ratio Lower Upper
84 100
49 97.6 103.6 155.4#
51 48.1 33.8 50.6
86 71.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 0.270 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.000 min

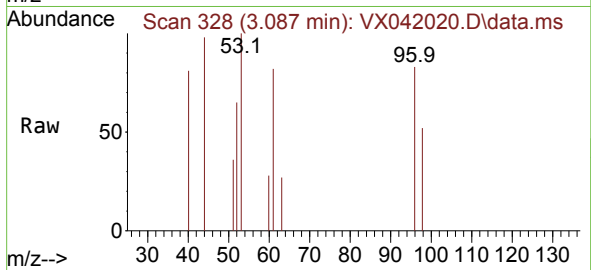
Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

Instrument :

MSVOA_X

ClientSampleId :



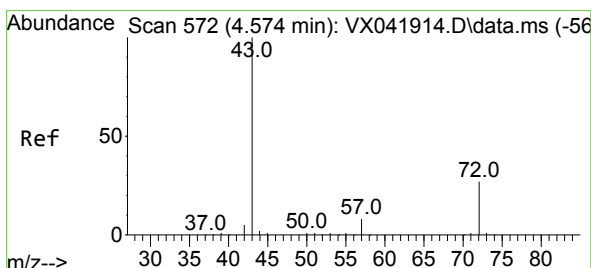
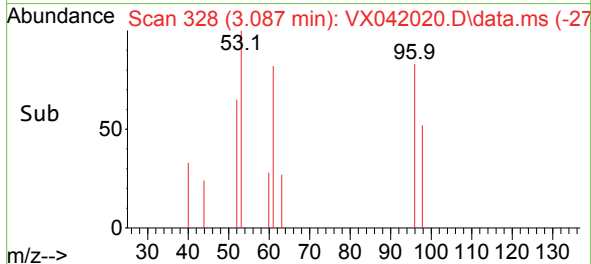
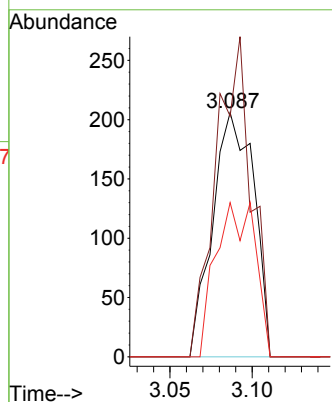
Tgt Ion: 96 Resp: 359

Ion Ratio Lower Upper

96 100

61 98.5 119.2 178.8#

98 63.1 48.7 73.1



#25

2-Butanone

Concen: 0.226 ug/l

RT: 4.623 min Scan# 580

Delta R.T. 0.049 min

Lab File: VX042020.D

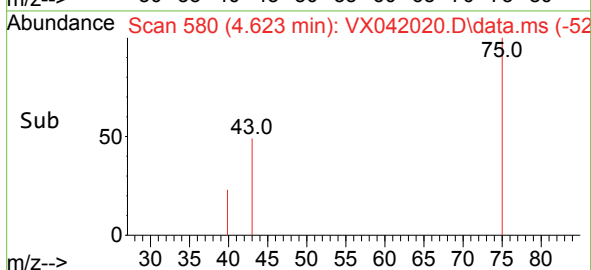
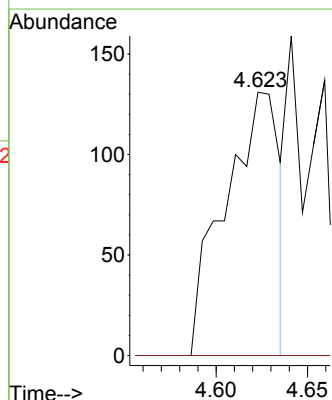
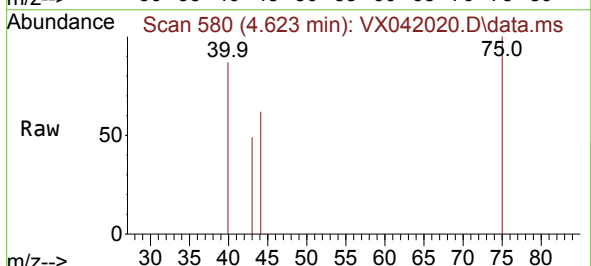
Acq: 25 Jun 2024 10:27

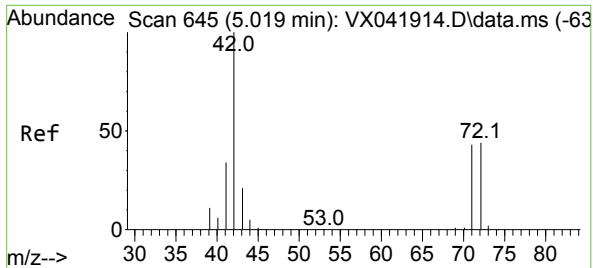
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

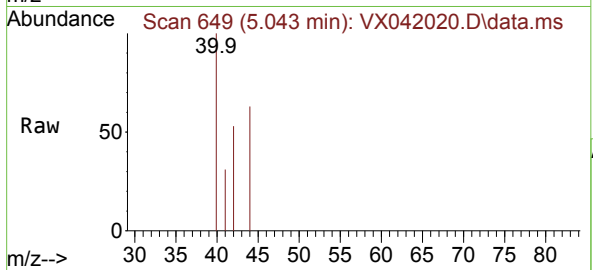
72 0.0 19.4 29.2#



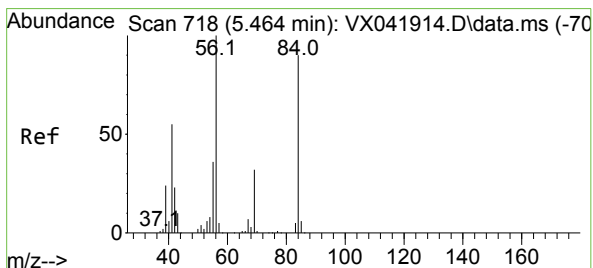
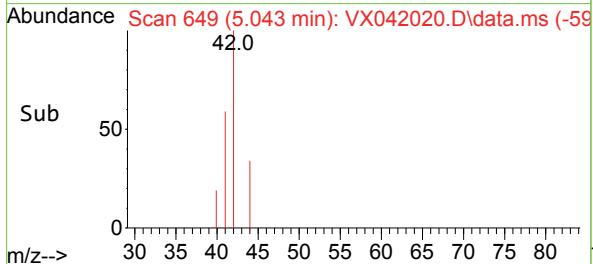
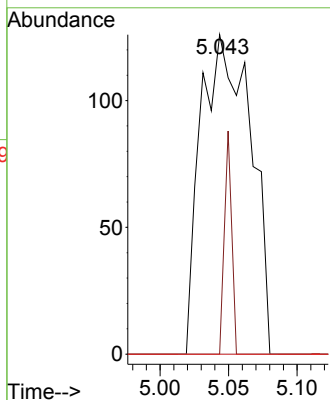


#29
Tetrahydrofuran
Concen: 0.413 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.024 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

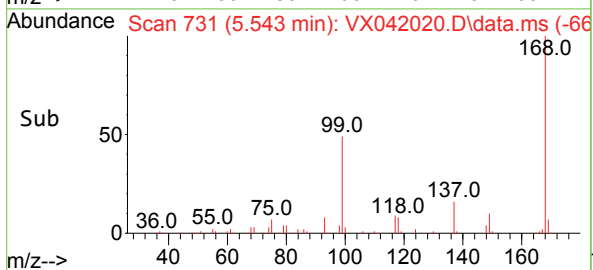
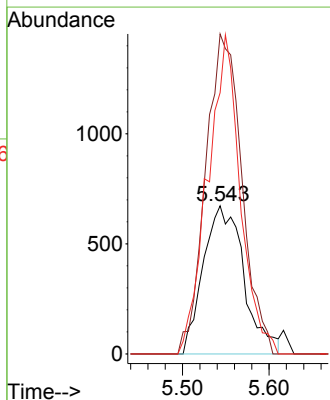
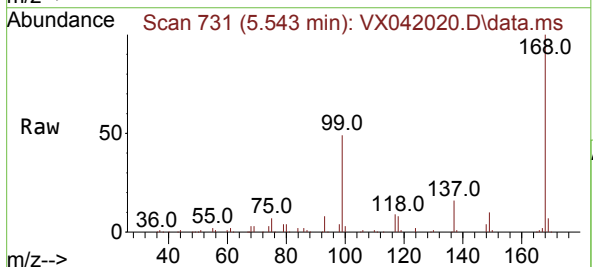


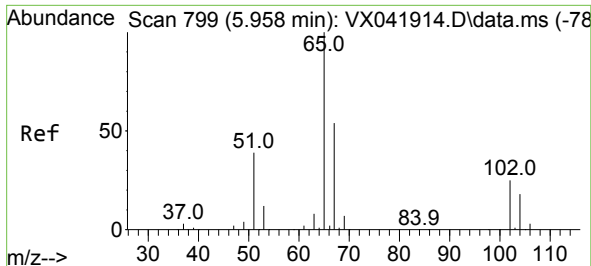
Tgt Ion: 42 Resp: 319
Ion Ratio Lower Upper
42 100
72 10.0 34.2 51.4#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
69 216.0 23.4 35.2#
84 176.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.131 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

Instrument :

MSVOA_X

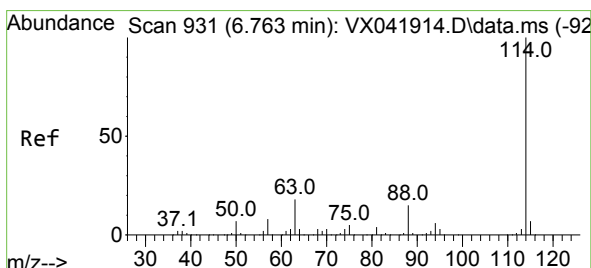
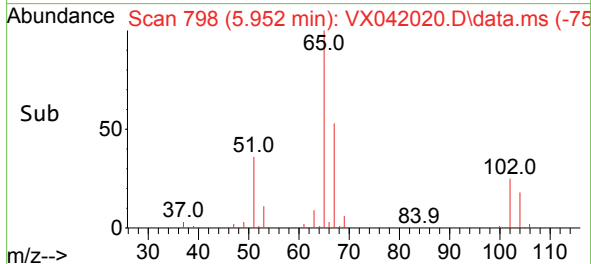
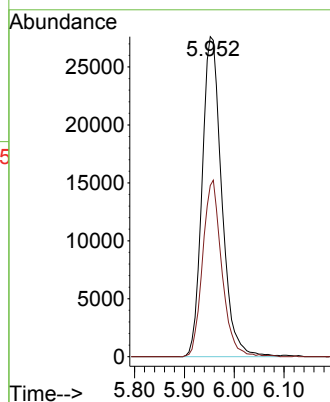
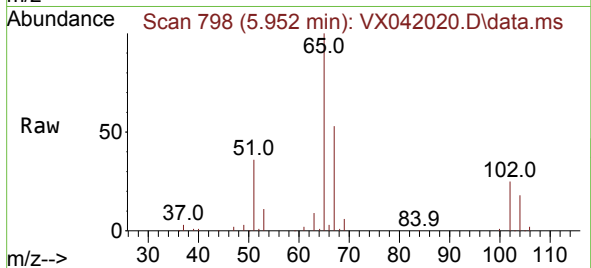
ClientSampleId :

Tgt Ion: 65 Resp: 75575

Ion Ratio Lower Upper

65 100

67 53.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

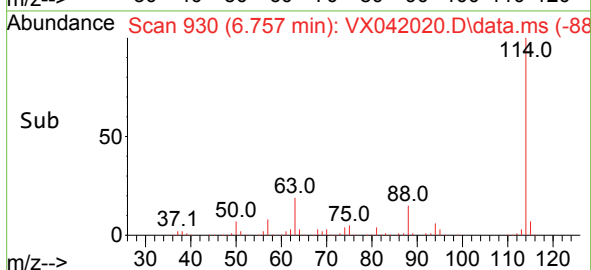
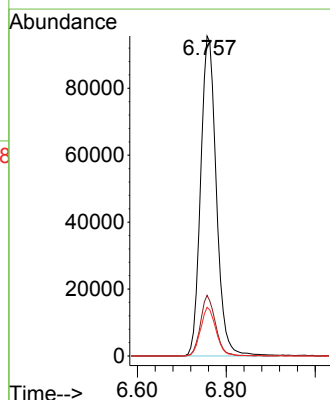
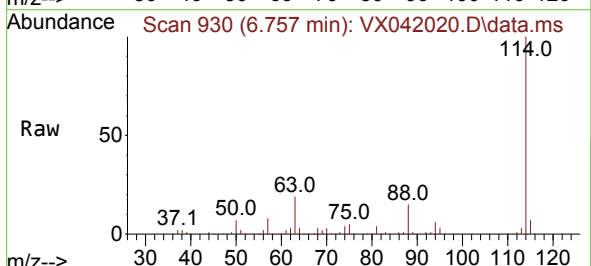
Tgt Ion: 114 Resp: 235181

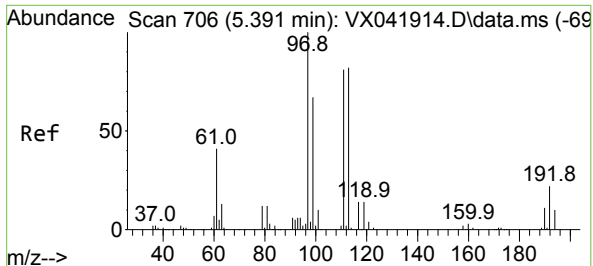
Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

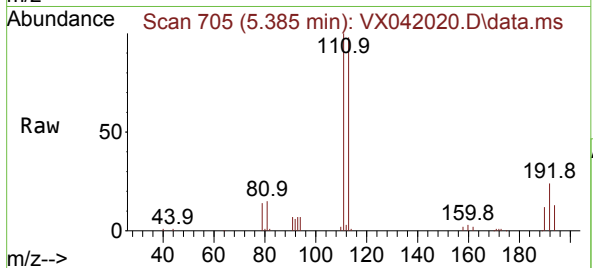
88 15.2 0.0 36.6



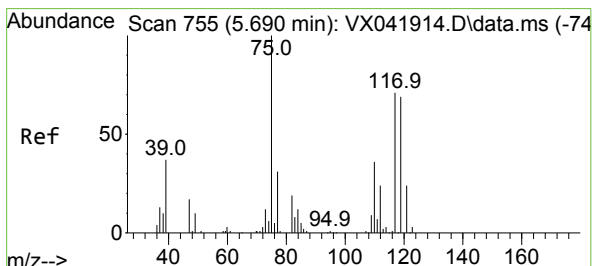
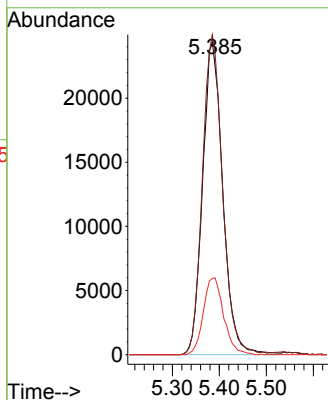
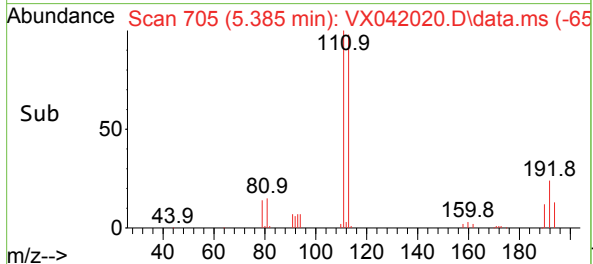


#35
Dibromofluoromethane
Concen: 43.535 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

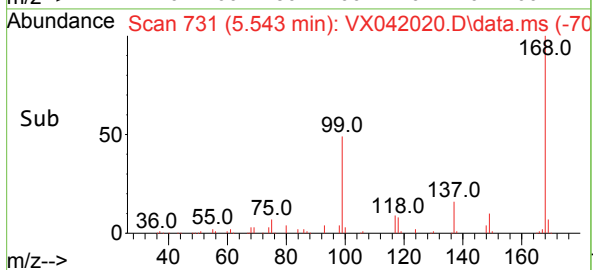
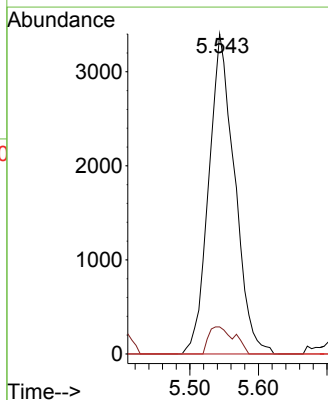
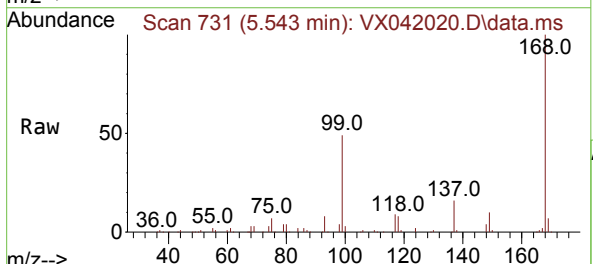


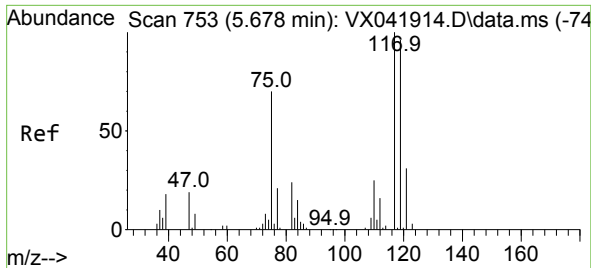
Tgt Ion:113 Resp: 72648
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 24.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

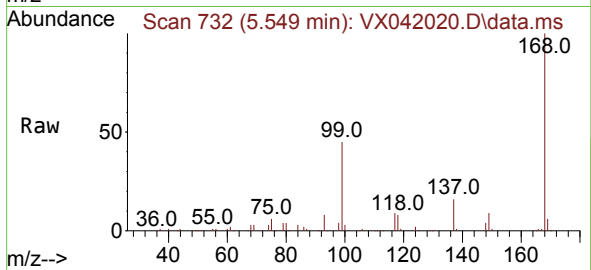
Tgt Ion: 75 Resp: 8937
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



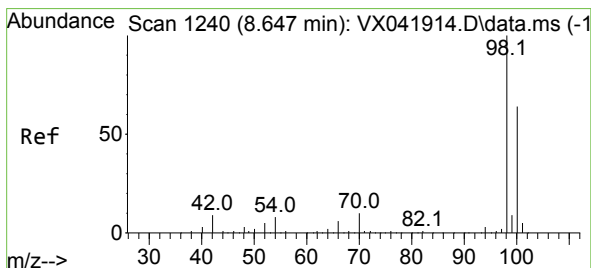
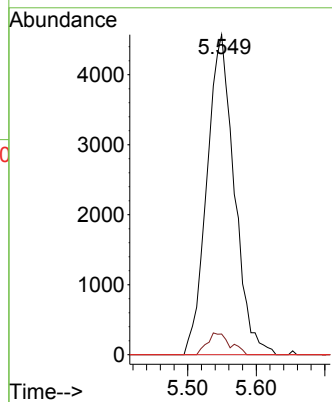
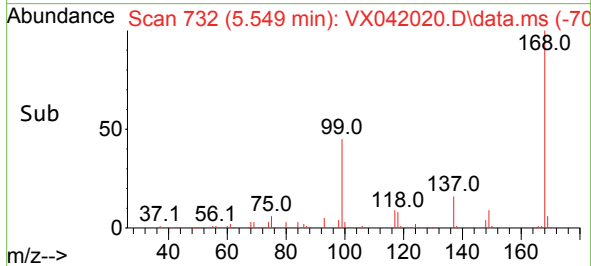


#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

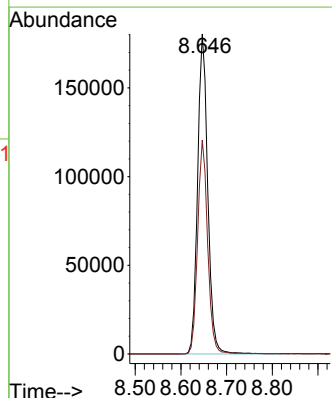
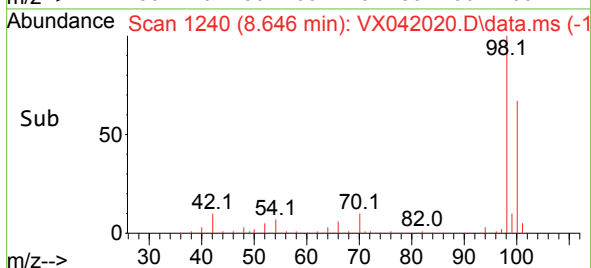
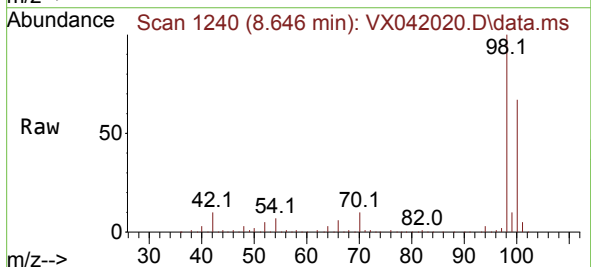


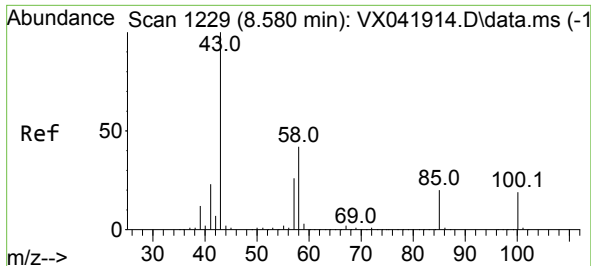
Tgt Ion:117 Resp: 12694
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.478 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Tgt Ion: 98 Resp: 278333
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

Instrument :

MSVOA_X

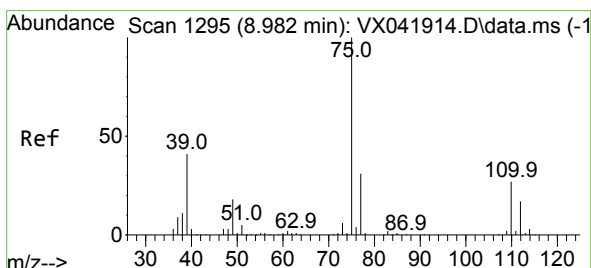
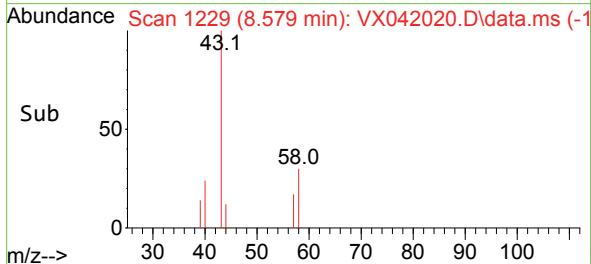
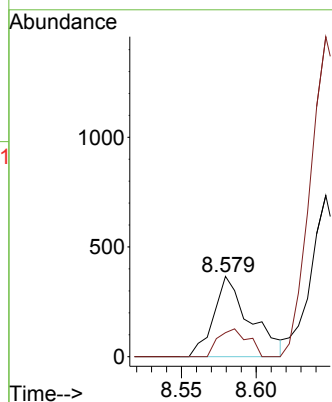
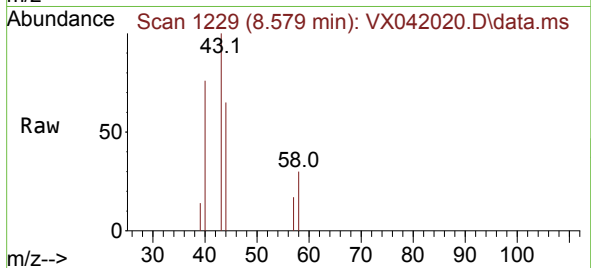
ClientSampleId :

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

58 28.4 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.989 ug/l

RT: 9.006 min Scan# 1299

Delta R.T. 0.024 min

Lab File: VX042020.D

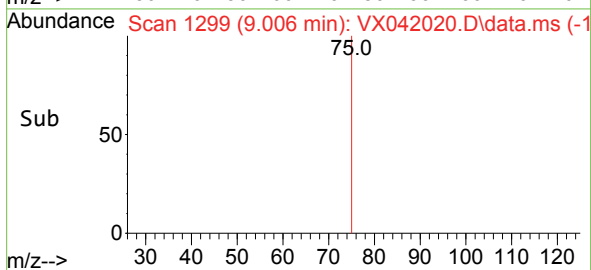
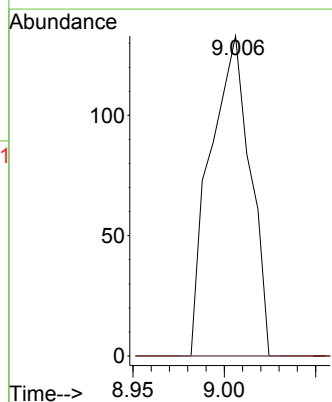
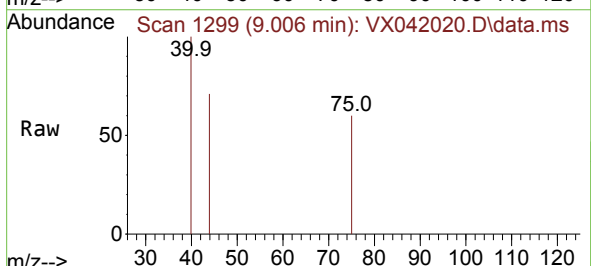
Acq: 25 Jun 2024 10:27

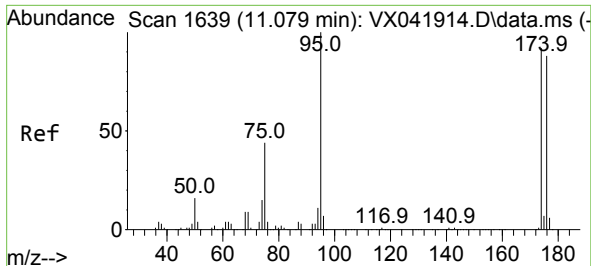
Tgt Ion: 75 Resp: 202

Ion Ratio Lower Upper

75 100

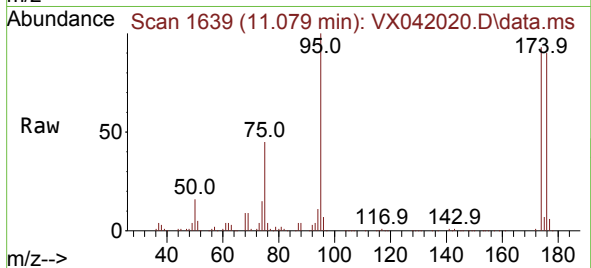
77 0.0 25.7 38.5#



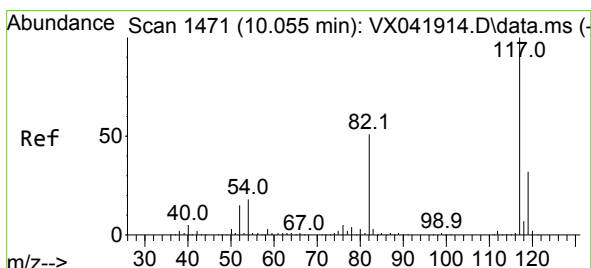
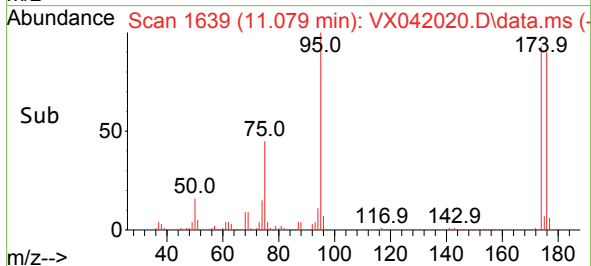
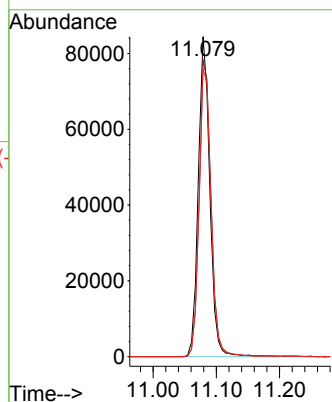


#62
4-Bromofluorobenzene
Concen: 49.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Instrument :
MSVOA_X
ClientSampleId :

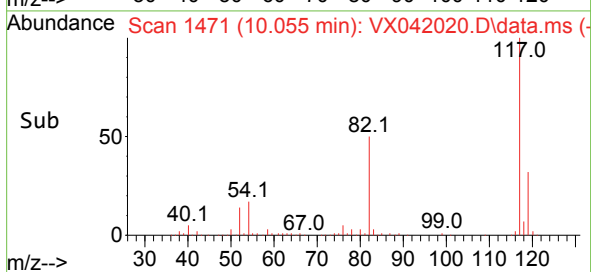
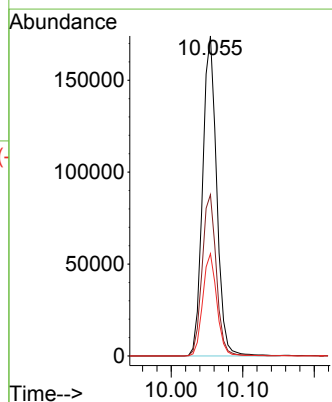
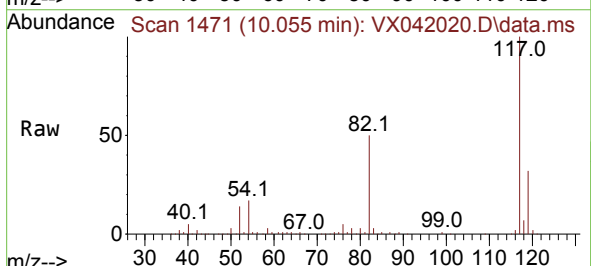


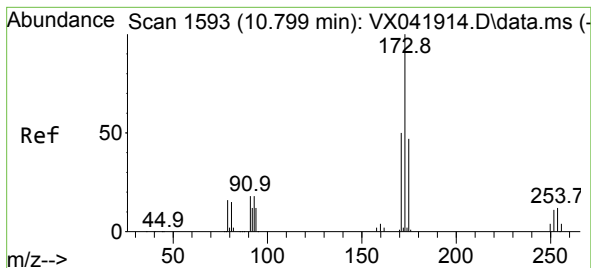
Tgt Ion: 95 Resp: 107053
Ion Ratio Lower Upper
95 100
174 96.3 0.0 135.6
176 94.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Tgt Ion: 117 Resp: 237914
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 31.9 25.5 38.3





#71

Bromoform

Concen: 0.904 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

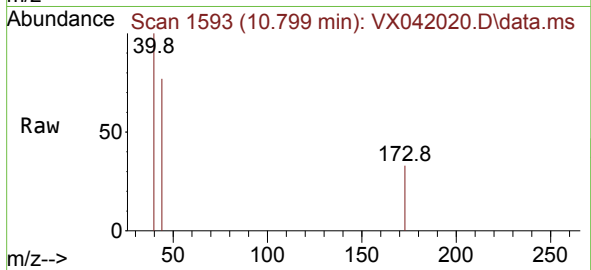
Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

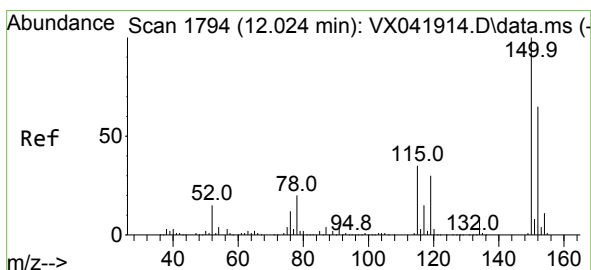
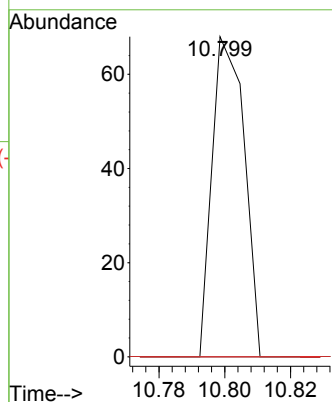
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	46
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

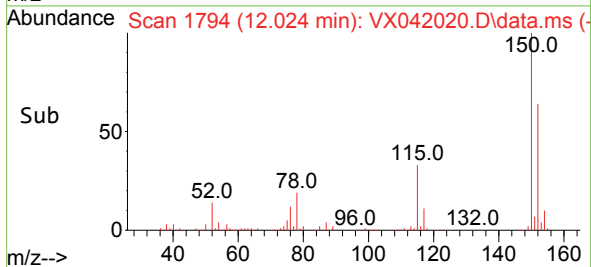
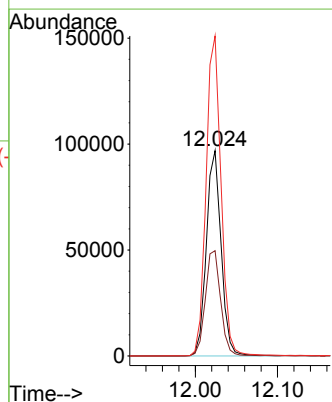
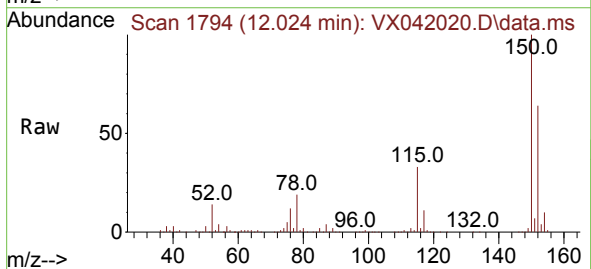
RT: 12.024 min Scan# 1794

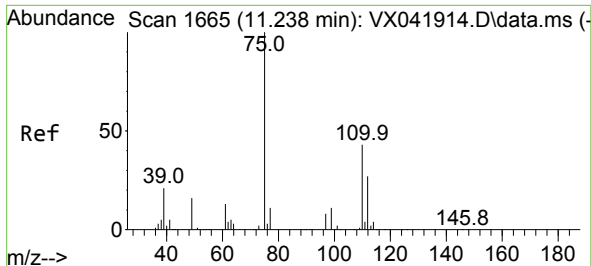
Delta R.T. -0.000 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

Tgt Ion:	152	Resp:	121114
Ion Ratio	Lower	Upper	
152	100		
115	53.2	43.3	129.9
150	157.9	0.0	345.0

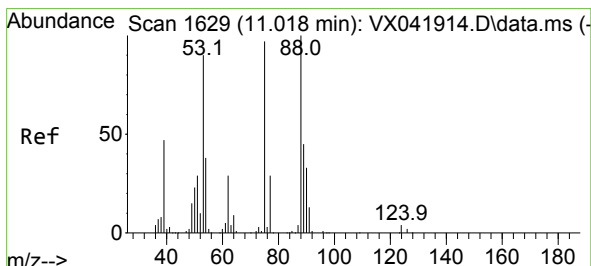
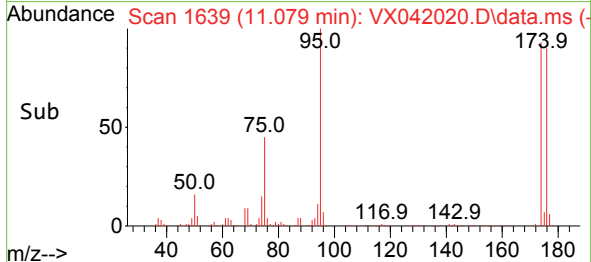
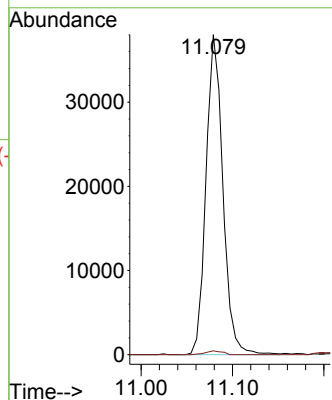
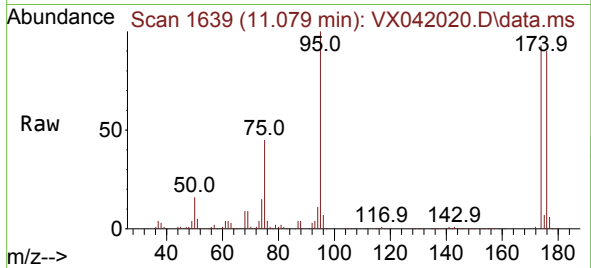




#76
1,2,3-Trichloropropane
Concen: 22.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

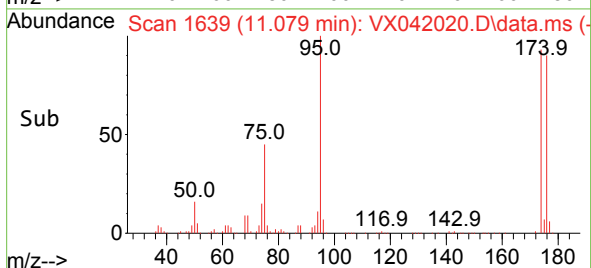
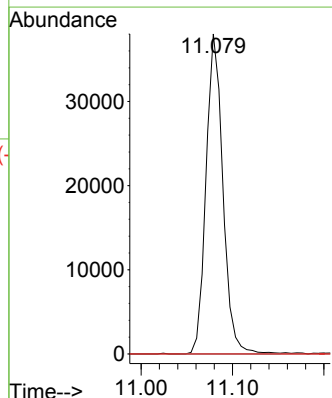
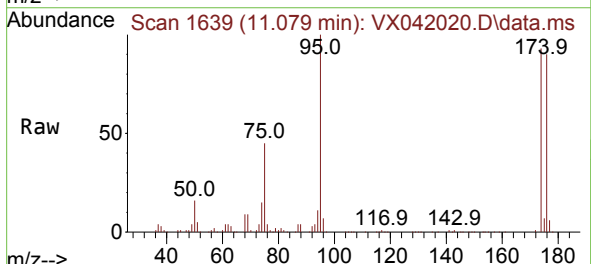
Instrument :
MSVOA_X
ClientSampleId :

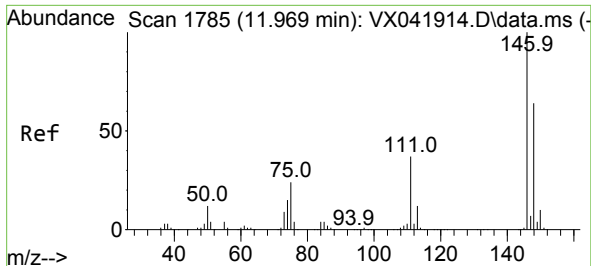
Tgt Ion: 75 Resp: 48680
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042020.D
Acq: 25 Jun 2024 10:27

Tgt Ion: 75 Resp: 48680
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.213 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

Instrument :

MSVOA_X

ClientSampleId :

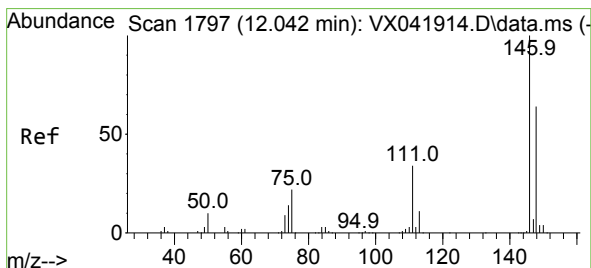
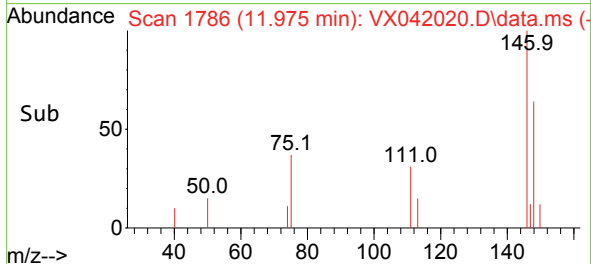
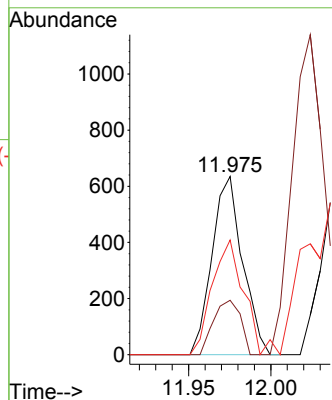
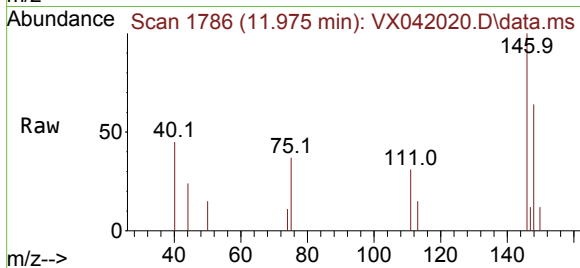
Tgt Ion:146 Resp: 820

Ion Ratio Lower Upper

146 100

111 27.1 22.1 66.1

148 67.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.207 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

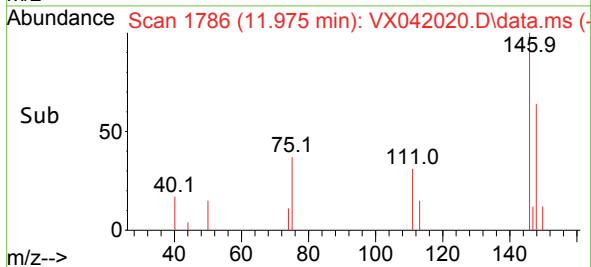
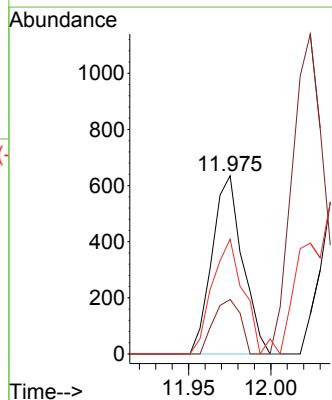
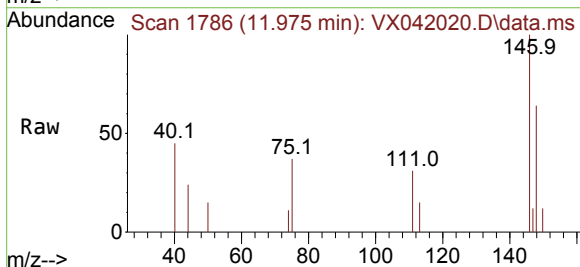
Tgt Ion:146 Resp: 820

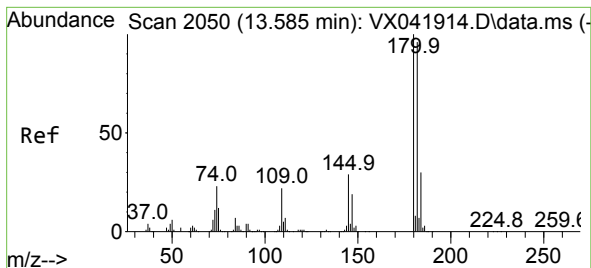
Ion Ratio Lower Upper

146 100

111 27.1 21.3 63.7

148 67.3 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.469 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX042020.D

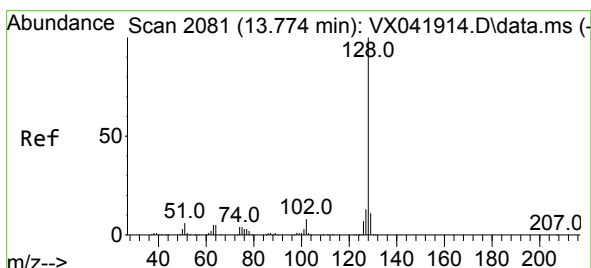
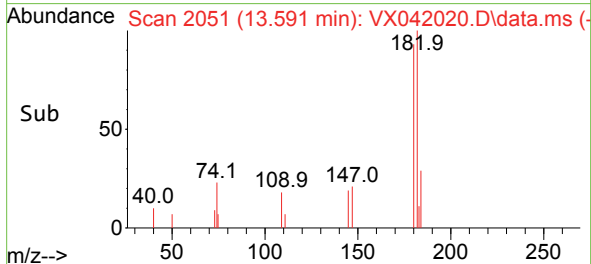
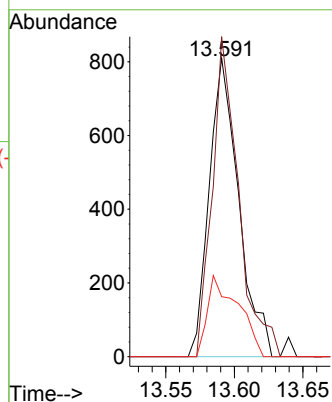
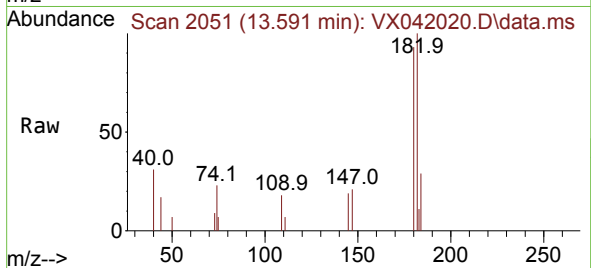
Acq: 25 Jun 2024 10:27

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1213
Ion Ratio	Lower	Upper
180	100	
182	95.6	48.3 144.8
145	28.4	18.0 54.0



#95

Naphthalene

Concen: 1.357 ug/l

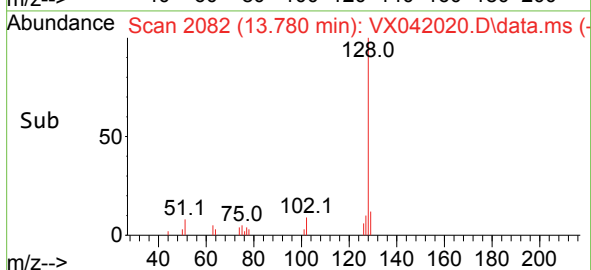
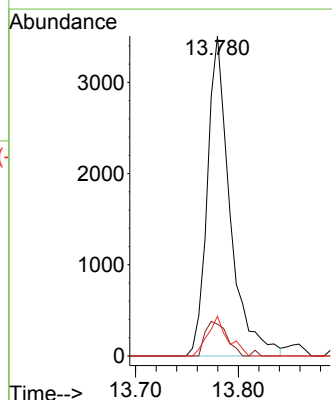
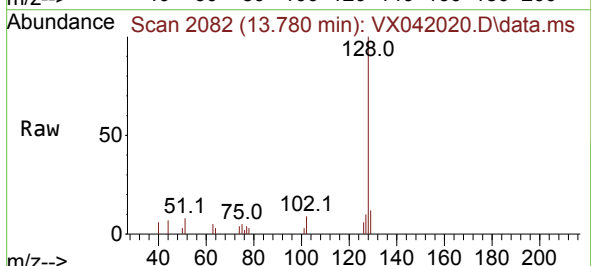
RT: 13.780 min Scan# 2082

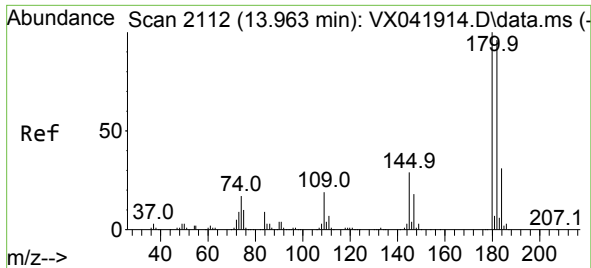
Delta R.T. 0.006 min

Lab File: VX042020.D

Acq: 25 Jun 2024 10:27

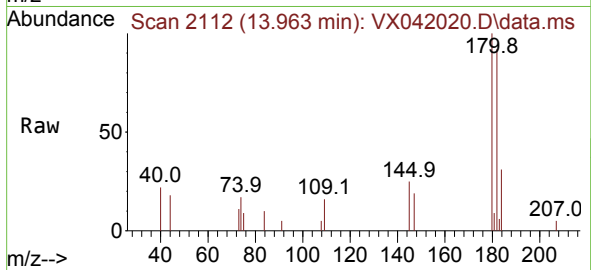
Tgt Ion:128	Resp:	5374
Ion Ratio	Lower	Upper
128	100	
127	10.3	10.3 15.5
129	11.0	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.567 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX042020.D
 Acq: 25 Jun 2024 10:27

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1545
Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.9	140.6
145	24.1	17.8	53.5

