

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050724\
 Data File : VX041401.D
 Acq On : 07 May 2024 13:08
 Operator : JC/MD
 Sample : P2393-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 08 01:59:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

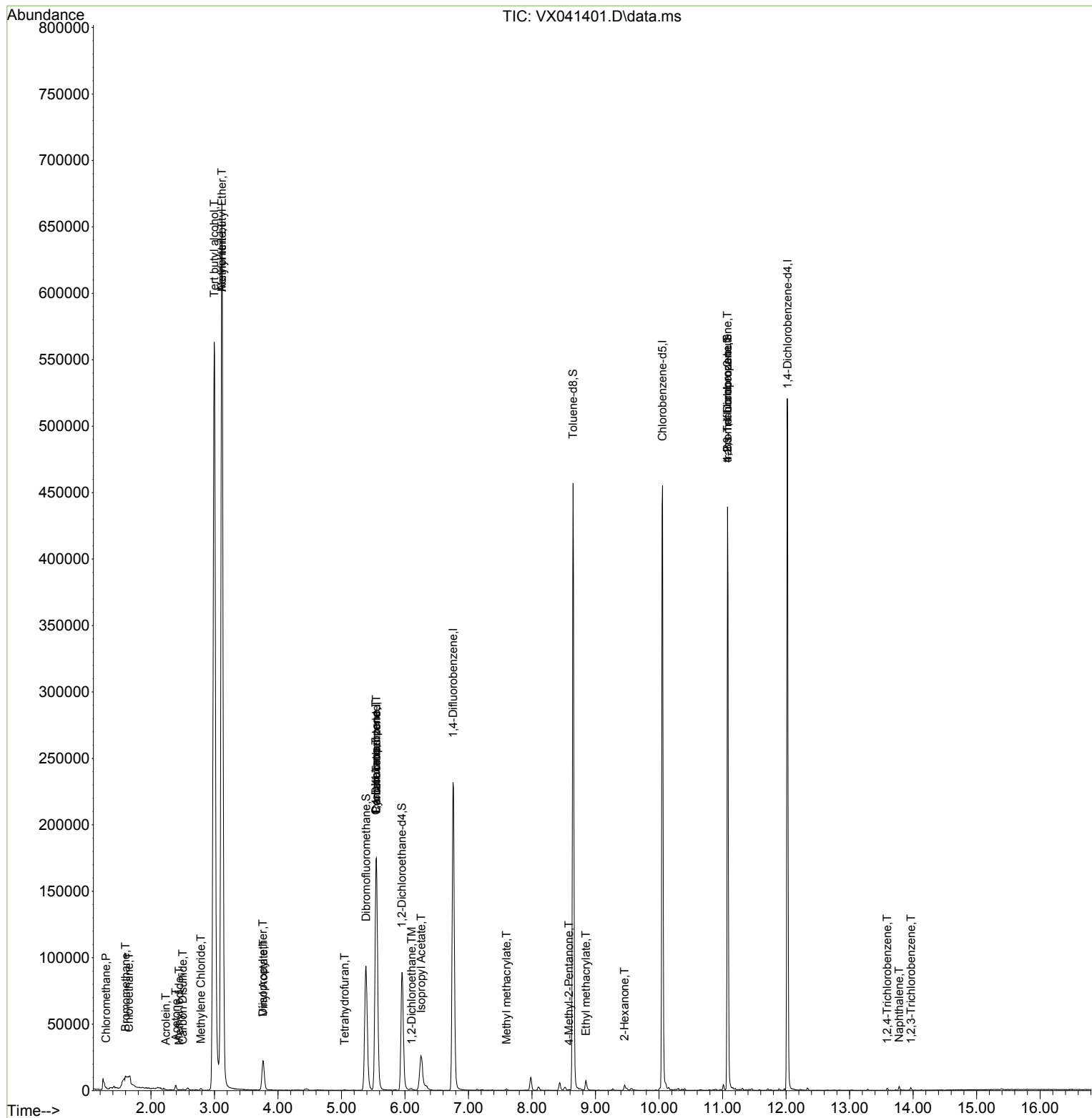
Internal Standards						
1) Pentafluorobenzene	5.550	168	189912	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	248351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89302	43.194	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.380%
35) Dibromofluoromethane	5.385	113	80532	47.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.700%
50) Toluene-d8	8.647	98	270504	50.781	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.560%
62) 4-Bromofluorobenzene	11.079	95	105424	51.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	341	0.211	ug/l	# 43
5) Bromomethane	1.599	94	788	0.817	ug/l	91
6) Chloroethane	1.654	64	210	0.294	ug/l	92
10) Methyl Iodide	2.447	142	532	0.331	ug/l	# 78
11) Tert butyl alcohol	2.995	59	855121	2066.475	ug/l	# 92
13) Acrolein	2.233	56	145	0.442	ug/l	# 79
15) Acrylonitrile	3.117	53	8123	8.601	ug/l	# 32
16) Acetone	2.392	43	3841	0.312	ug/l	90
17) Carbon Disulfide	2.501	76	918	0.265	ug/l	# 90
19) Methyl tert-butyl Ether	3.117	73	732179	136.478	ug/l	100
20) Methylene Chloride	2.788	84	707	0.394	ug/l	# 78
22) Diisopropyl ether	3.763	45	24521	4.680	ug/l	# 70
23) Vinyl Acetate	3.770	43	13152	2.806	ug/l	# 73
29) Tetrahydrofuran	5.050	42	285	0.326	ug/l	# 34
31) Cyclohexane	5.544	56	3324	1.332	ug/l	# 2
36) 1,1-Dichloropropene	5.544	75	11581	5.755	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	16644	7.219	ug/l	# 15
42) 1,2-Dichloroethane	6.104	62	1601	0.704	ug/l	81
43) Isopropyl Acetate	6.257	43	9668	2.561	ug/l	# 62
48) Methyl methacrylate	7.598	41	363	0.210	ug/l	# 24
51) 4-Methyl-2-Pentanone	8.580	43	485	0.214	ug/l	# 69
56) Ethyl methacrylate	8.848	69	1037	0.458	ug/l	# 60
59) 2-Hexanone	9.458	43	847	0.468	ug/l	79
76) 1,2,3-Trichloropropane	11.079	75	54546	28.426	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	54546	77.428	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	674	0.248	ug/l	92
95) Naphthalene	13.780	128	2529	0.313	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	686	0.247	ug/l	95

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050724\
Data File : VX041401.D
Acq On : 07 May 2024 13:08
Operator : JC/MD
Sample : P2393-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

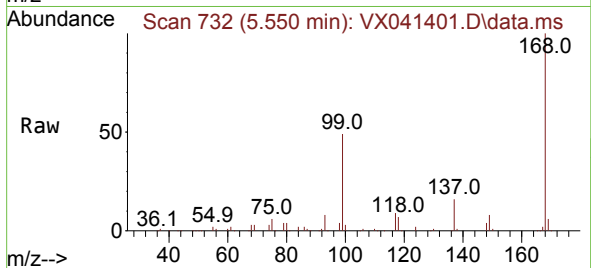
Quant Time: May 08 01:59:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
Response via : Initial Calibration



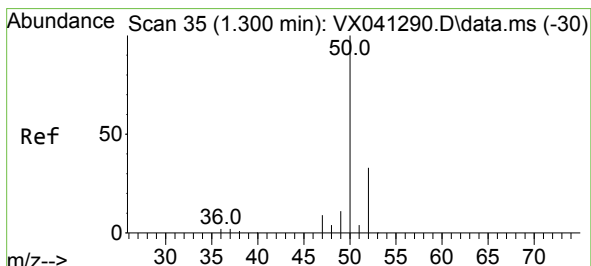
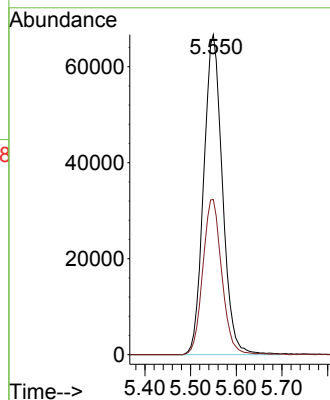
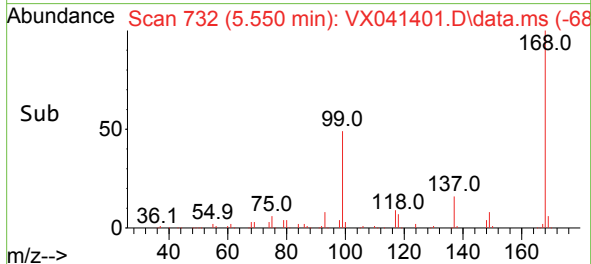


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :

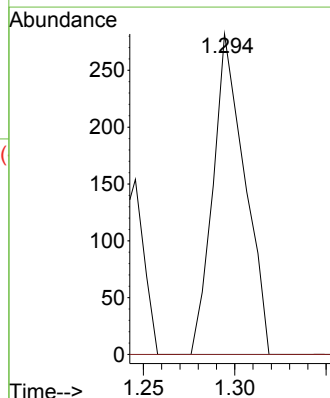
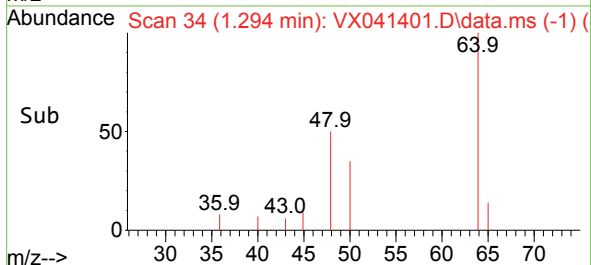
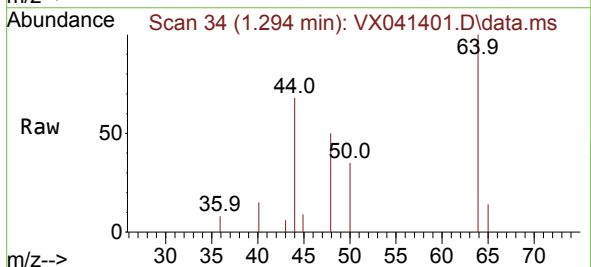


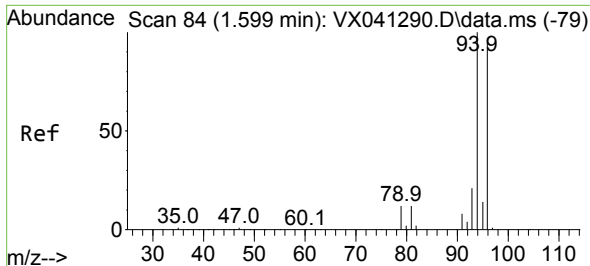
Tgt Ion:168 Resp: 189912
Ion Ratio Lower Upper
168 100
99 48.5 56.6 85.0#



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

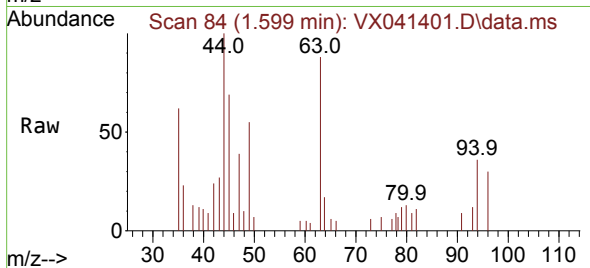
Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



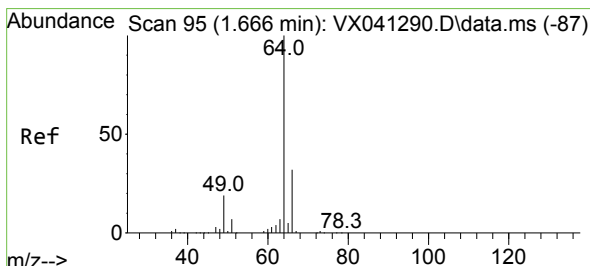
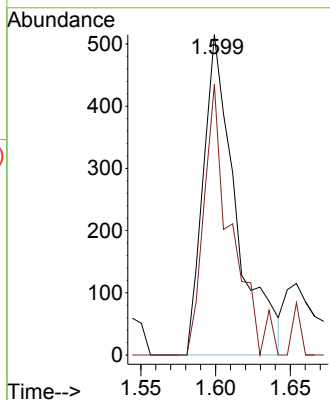
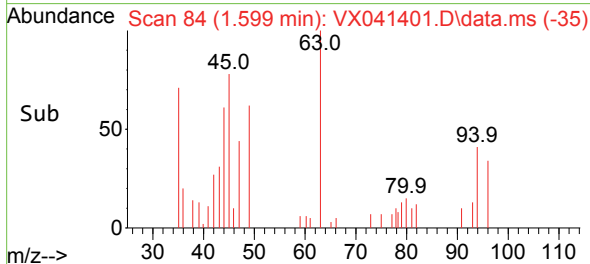


#5
Bromomethane
Concen: 0.817 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :

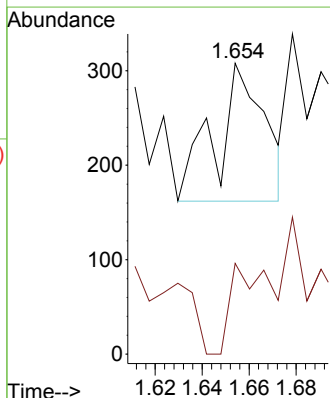
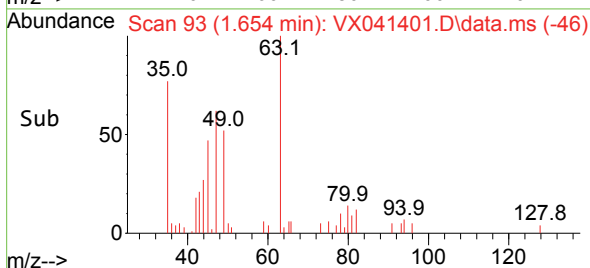
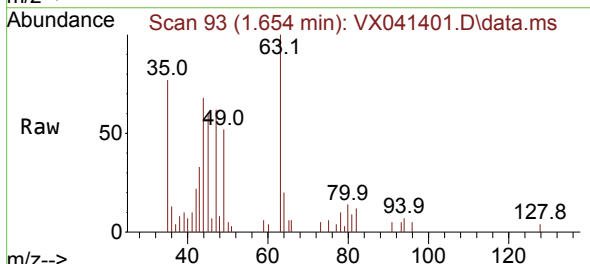


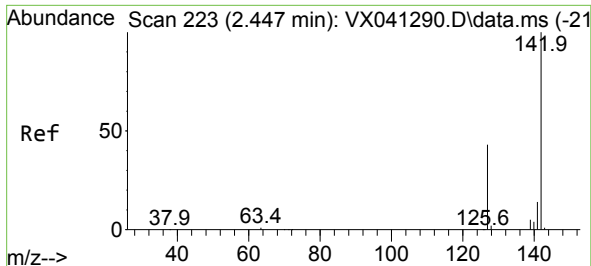
Tgt Ion: 94 Resp: 788
Ion Ratio Lower Upper
94 100
96 84.5 74.6 111.8



#6
Chloroethane
Concen: 0.294 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

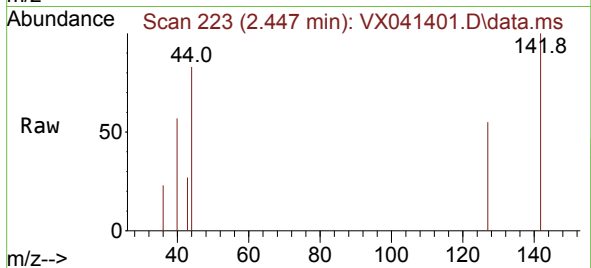
Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 26.7 25.1 37.7



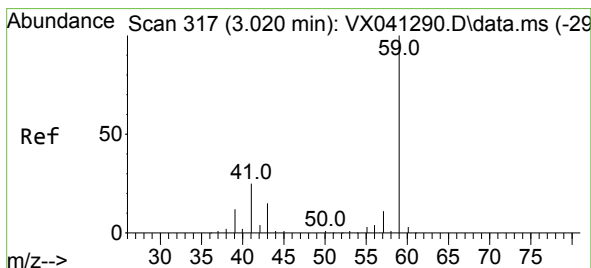
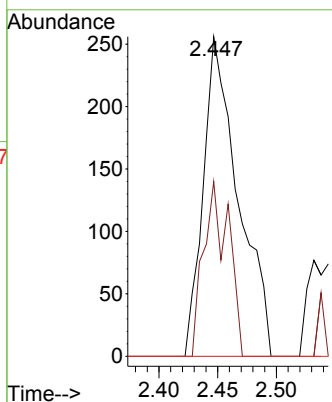
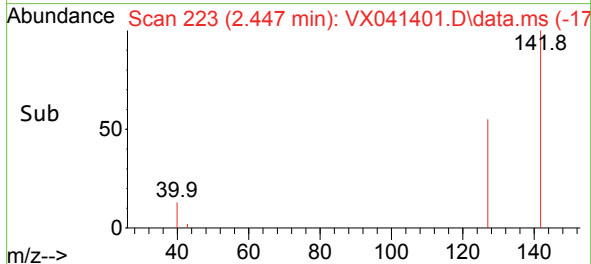


#10
Methyl Iodide
Concen: 0.331 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :

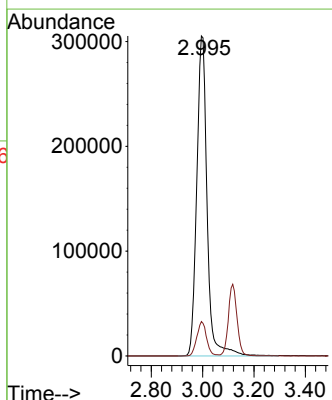
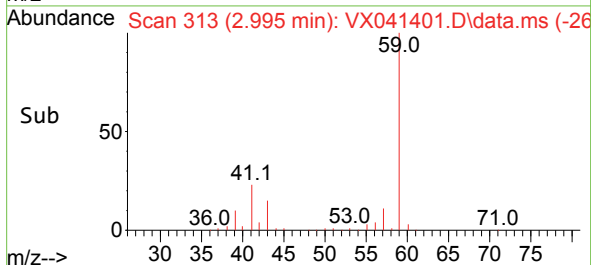
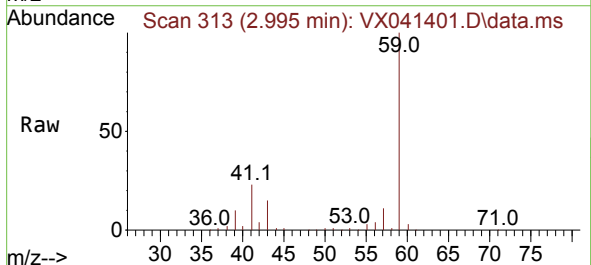


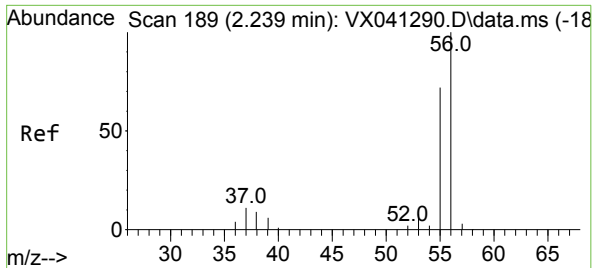
Tgt Ion:142 Resp: 532
Ion Ratio Lower Upper
142 100
127 39.1 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2066.475 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.024 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

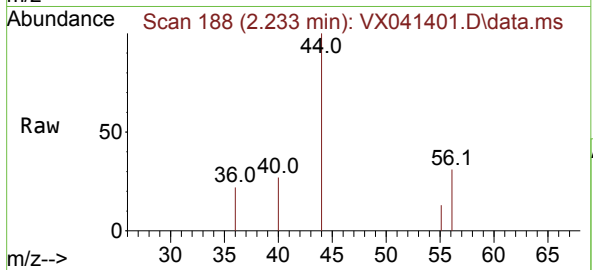
Tgt Ion: 59 Resp: 855121
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#



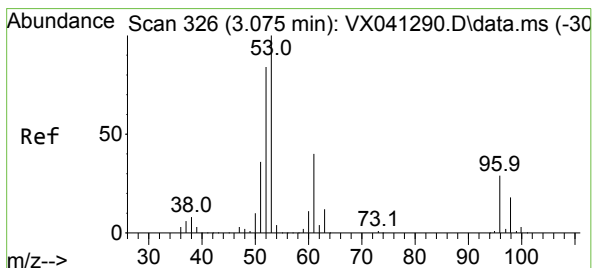
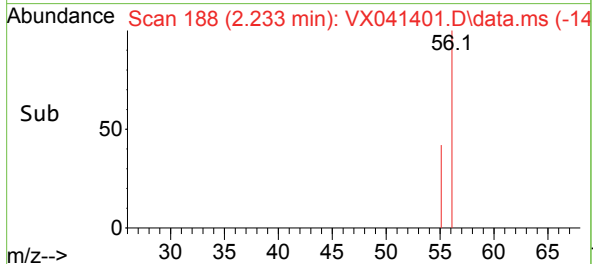
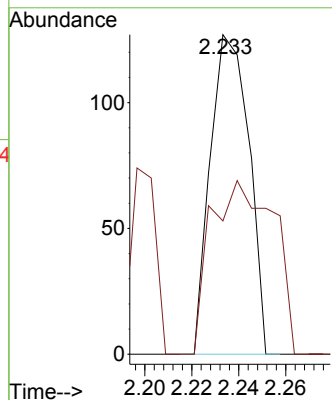


#13
Acrolein
Concen: 0.442 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :

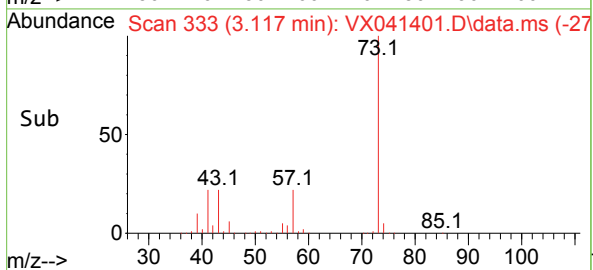
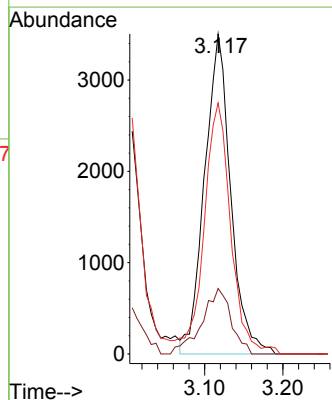
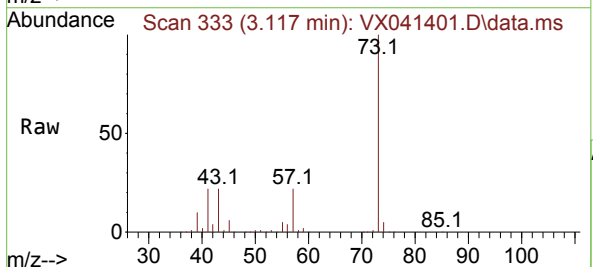


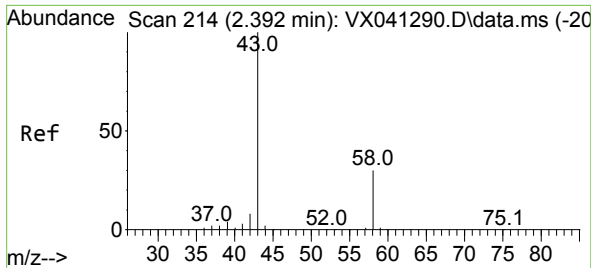
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 89.0 57.1 85.7#



#15
Acrylonitrile
Concen: 8.601 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.043 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Tgt Ion: 53 Resp: 8123
Ion Ratio Lower Upper
53 100
52 22.9 66.0 99.0#
51 79.8 29.8 44.6#

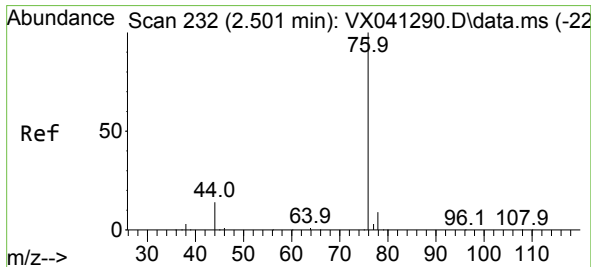
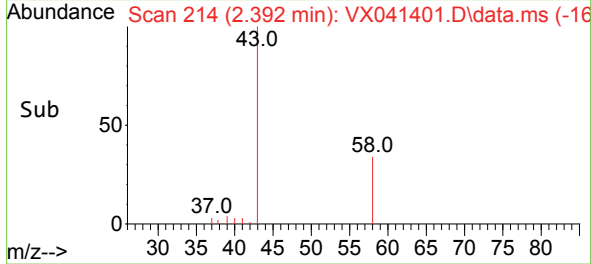
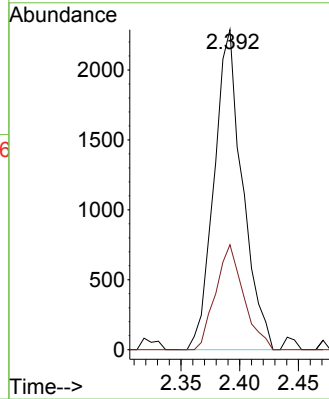
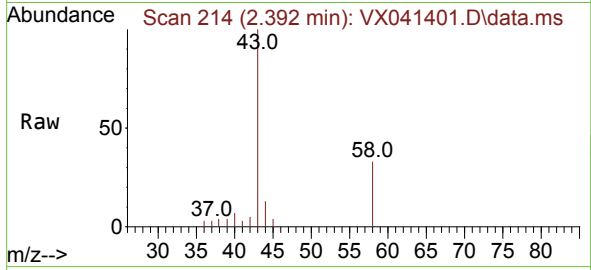




#16
Acetone
Concen: 0.312 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

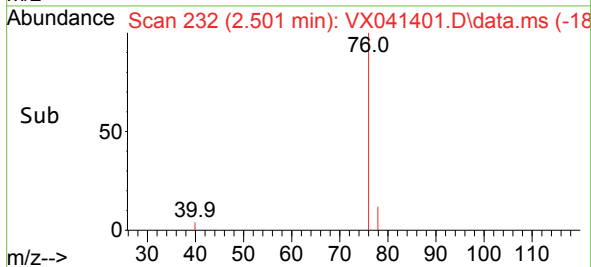
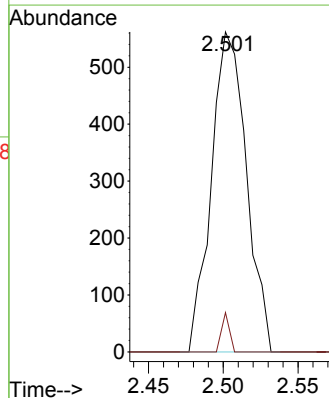
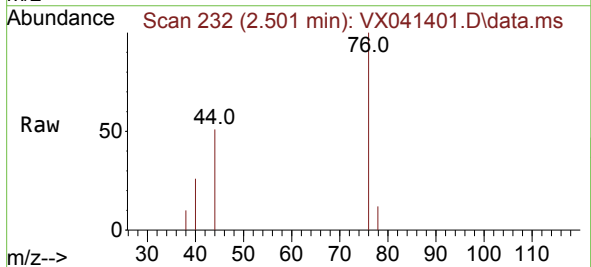
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MSVOA_X
ClientSampleId :

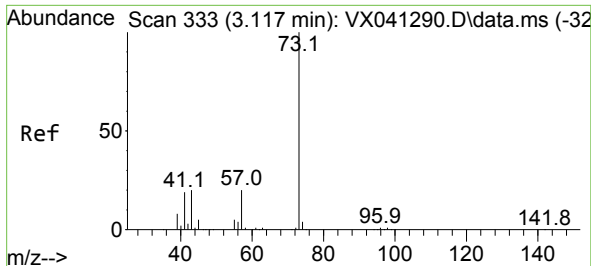
Tgt Ion: 43 Resp: 3841
Ion Ratio Lower Upper
43 100
58 32.8 21.9 32.9



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Tgt Ion: 76 Resp: 918
Ion Ratio Lower Upper
76 100
78 12.3 7.0 10.6#

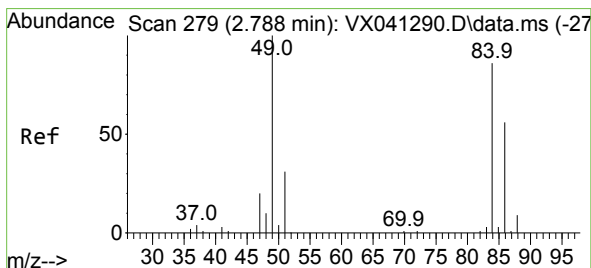
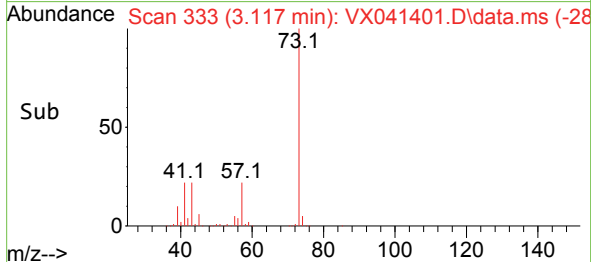
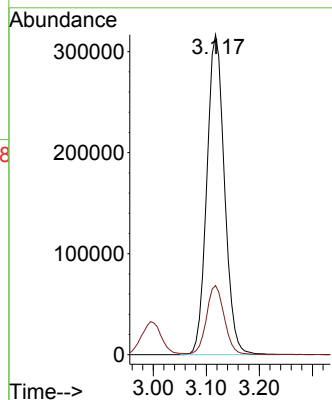
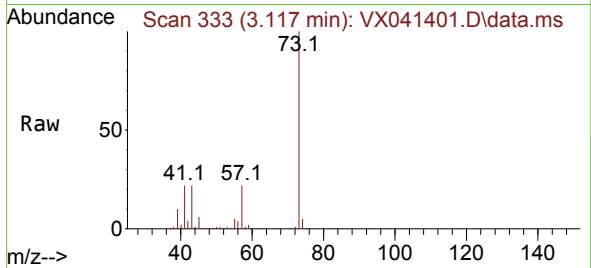




#19
Methyl tert-butyl Ether
Concen: 136.478 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

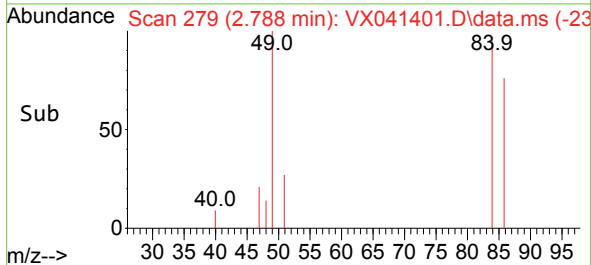
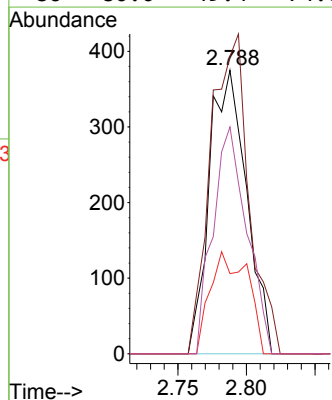
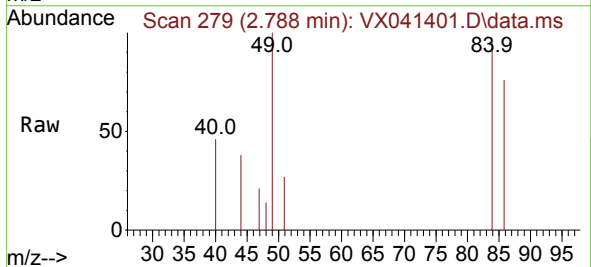
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MSVOA_X
ClientSampleId :

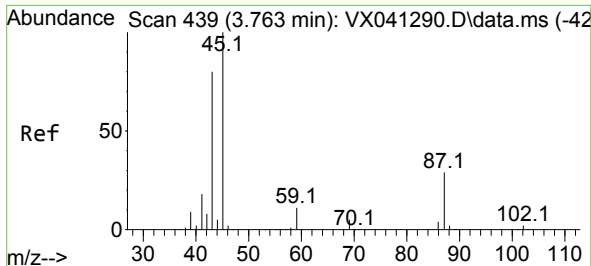
Tgt Ion: 73 Resp: 732179
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 0.394 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

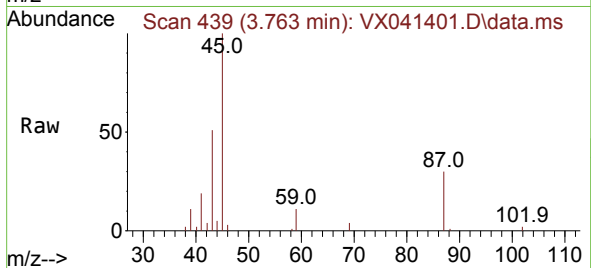
Tgt Ion: 84 Resp: 707
Ion Ratio Lower Upper
84 100
49 104.8 103.6 155.4
51 28.3 33.8 50.6#
86 80.0 49.4 74.0#



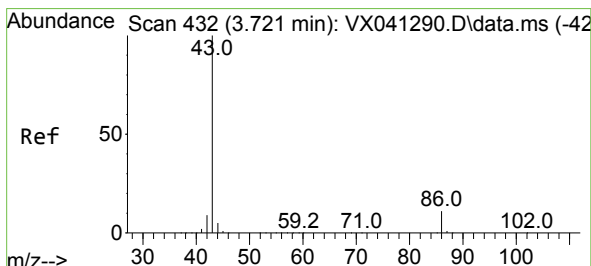
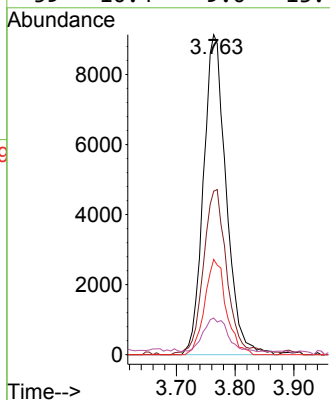
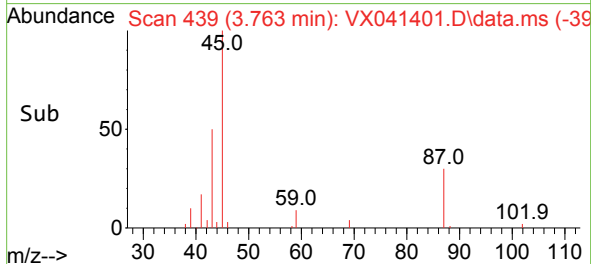


#22
Diisopropyl ether
Concen: 4.680 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

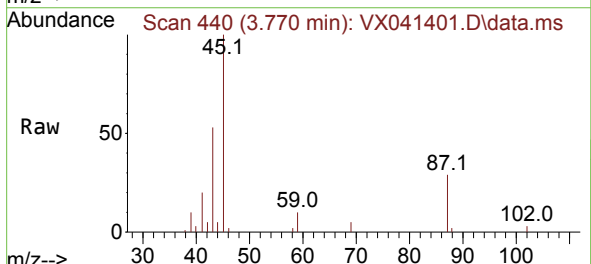
Instrument :
MSVOA_X
ClientSampleId :



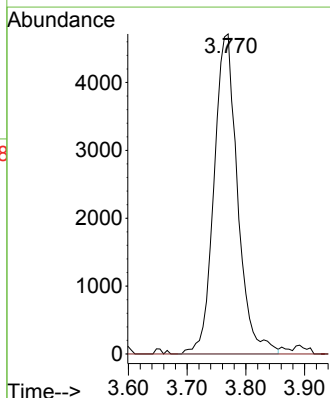
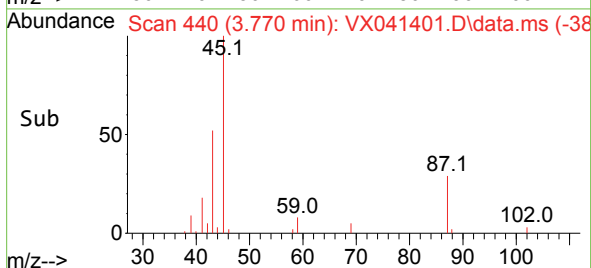
Tgt Ion: 45 Resp: 24521
Ion Ratio Lower Upper
45 100
43 50.4 69.7 104.5#
87 29.8 20.8 31.2
59 10.4 9.0 13.4

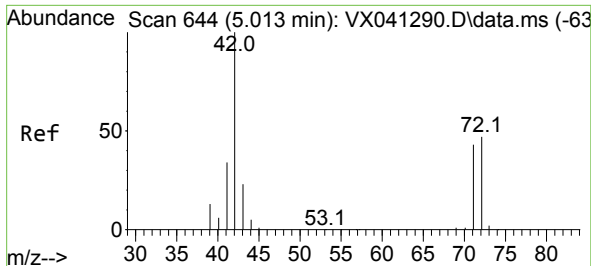


#23
Vinyl Acetate
Concen: 2.806 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.049 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08



Tgt Ion: 43 Resp: 13152
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#





#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.037 min

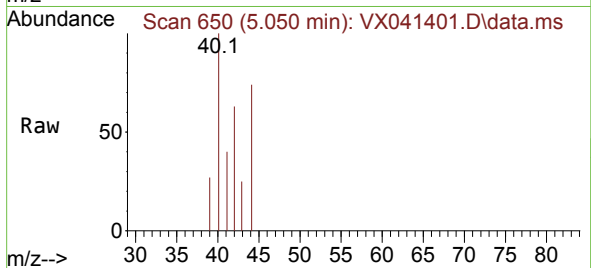
Lab File: VX041401.D

Acq: 07 May 2024 13:08

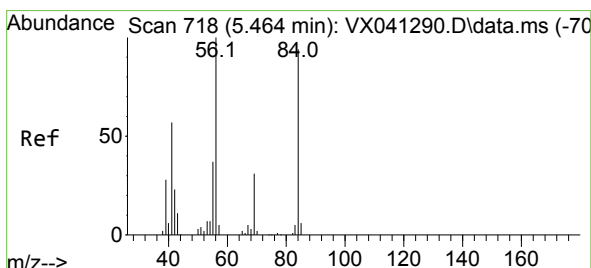
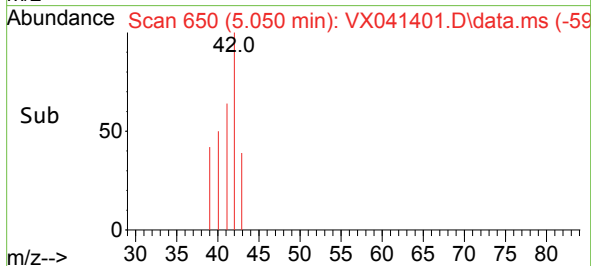
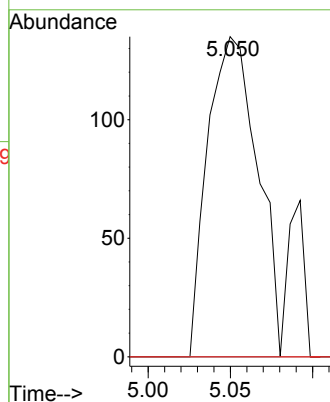
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	285
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.332 ug/l

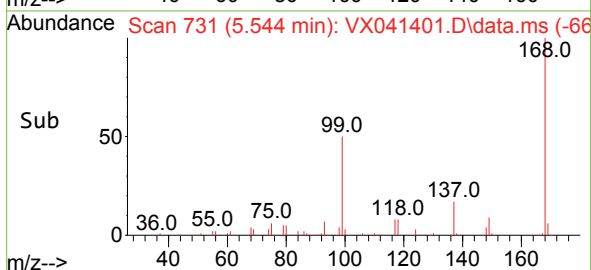
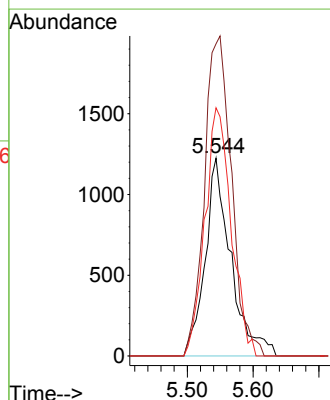
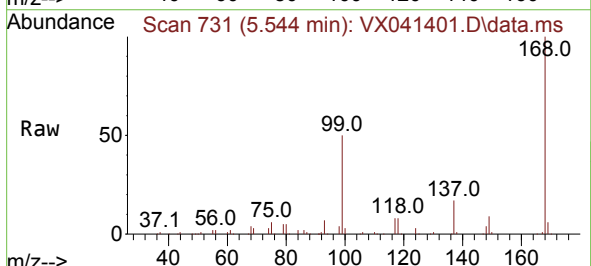
RT: 5.544 min Scan# 731

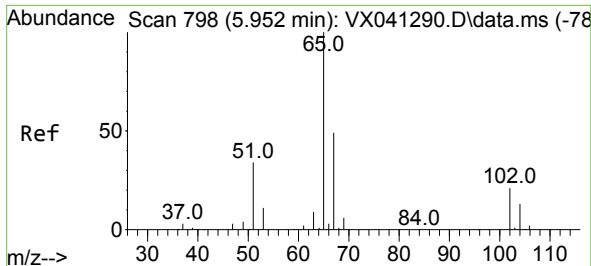
Delta R.T. 0.079 min

Lab File: VX041401.D

Acq: 07 May 2024 13:08

Tgt Ion:	56	Resp:	3324
Ion Ratio	100	Lower	Upper
56	100		
69	157.9	23.4	35.2#
84	125.5	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.194 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min MSVOA_X

Lab File: VX041401.D

Acq: 07 May 2024 13:08

Instrument :

MSVOA_X

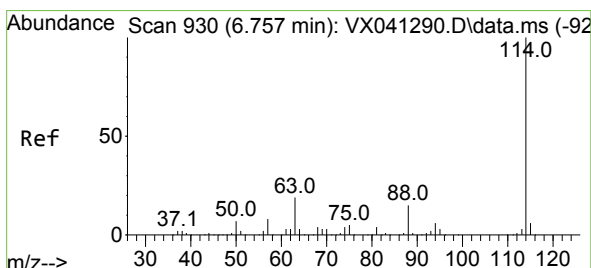
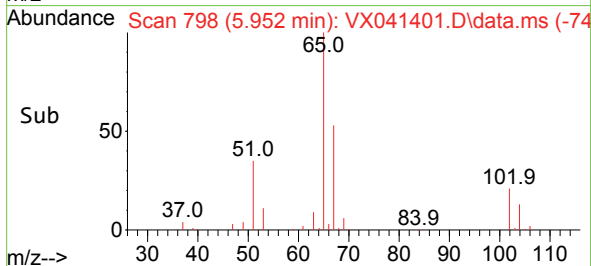
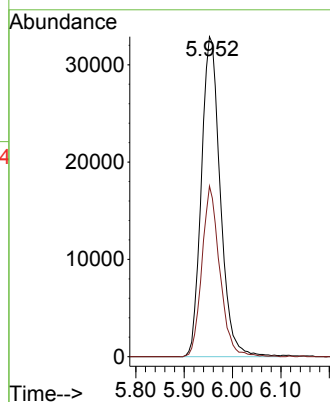
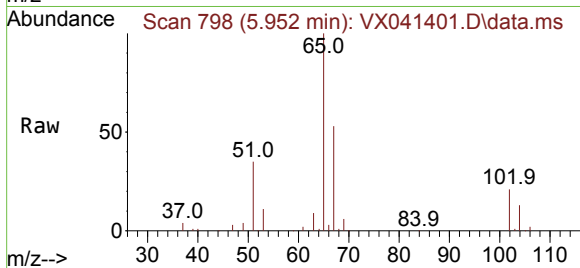
ClientSampleId :

Tgt Ion: 65 Resp: 89302

Ion Ratio Lower Upper

65 100

67 50.5 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: VX041401.D

Acq: 07 May 2024 13:08

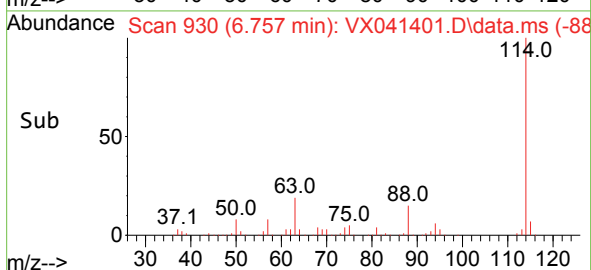
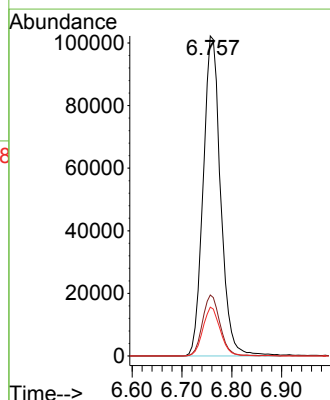
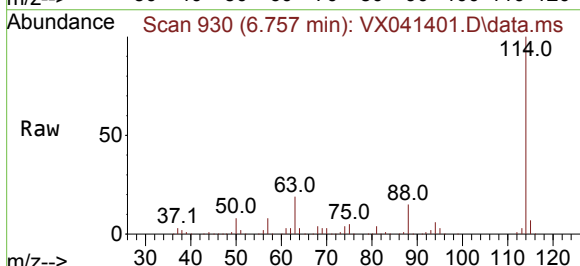
Tgt Ion: 114 Resp: 248351

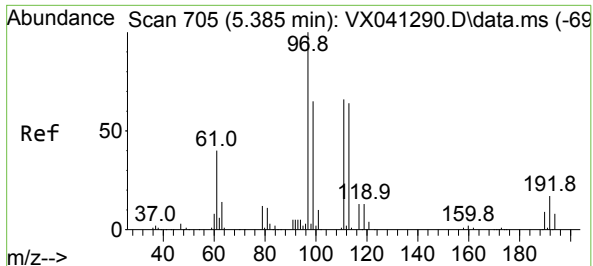
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

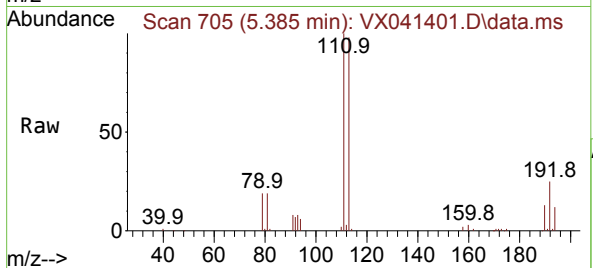
88 15.2 0.0 36.6



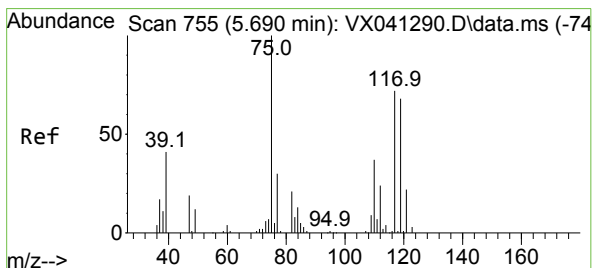
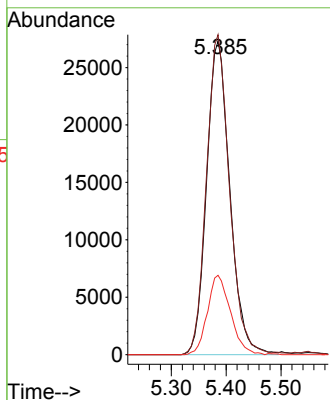
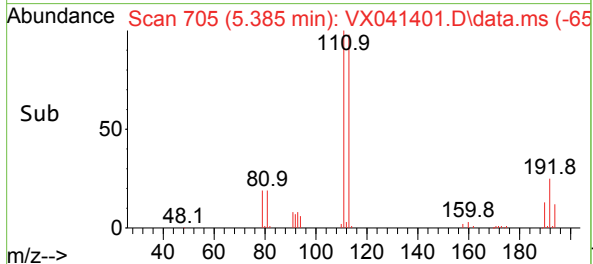


#35
Dibromofluoromethane
Concen: 47.850 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

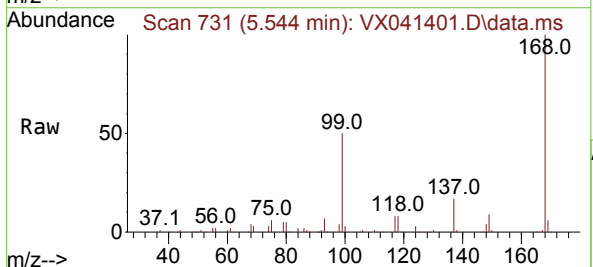
Instrument :
MSVOA_X
ClientSampleId :



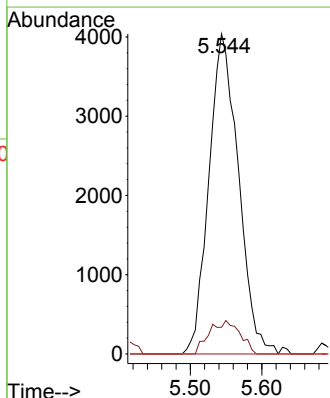
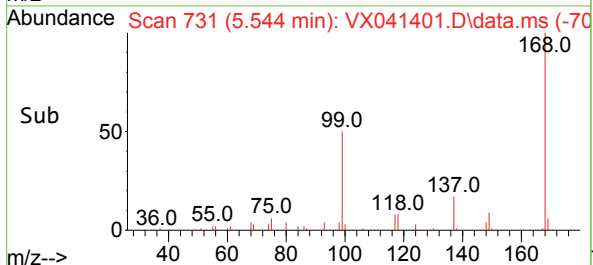
Tgt Ion:113 Resp: 80532
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 25.1 13.3 19.9#

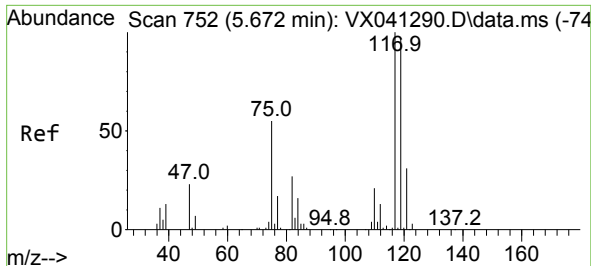


#36
1,1-Dichloropropene
Concen: 5.755 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08



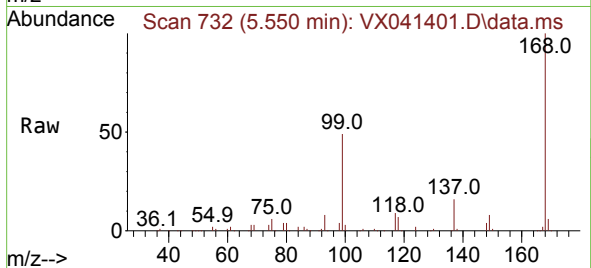
Tgt Ion: 75 Resp: 11581
Ion Ratio Lower Upper
75 100
110 10.8 17.0 50.9#
77 0.0 24.7 37.1#



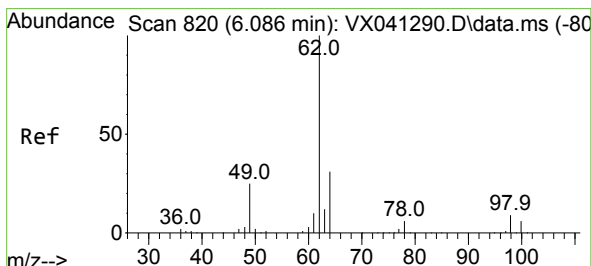
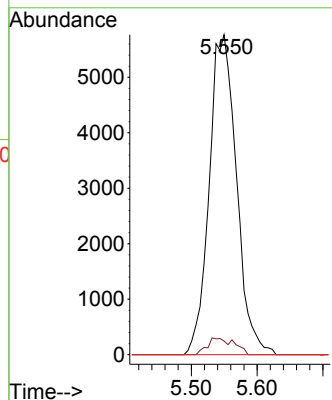
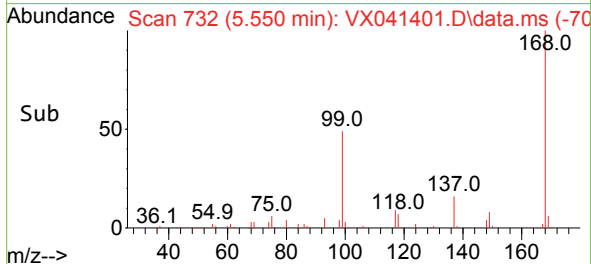


#38
Carbon Tetrachloride
Concen: 7.219 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Instrument :
MSVOA_X
ClientSampleId :

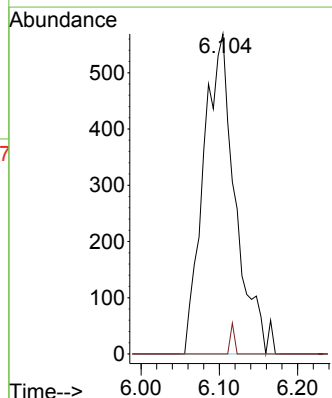
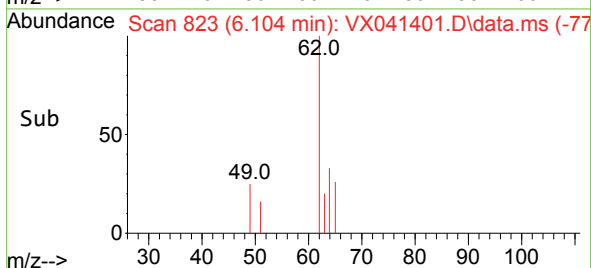
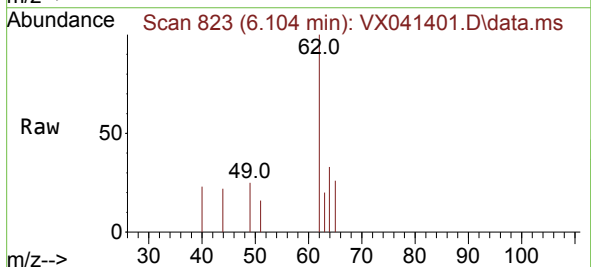


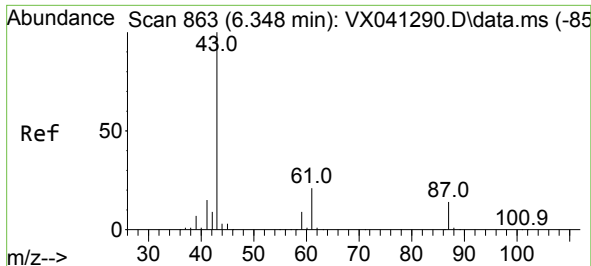
Tgt Ion:117 Resp: 16644
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.704 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.018 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Tgt Ion: 62 Resp: 1601
Ion Ratio Lower Upper
62 100
98 1.2 0.0 16.0





#43

Isopropyl Acetate

Concen: 2.561 ug/l

RT: 6.257 min Scan# 84

Delta R.T. -0.091 min

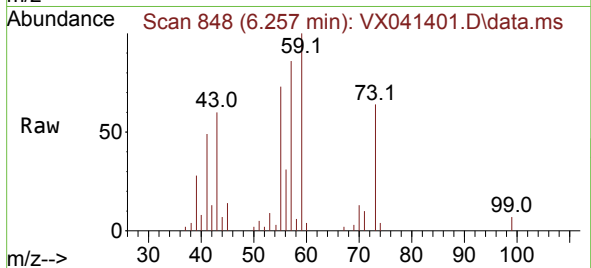
Lab File: VX041401.D

Acq: 07 May 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :



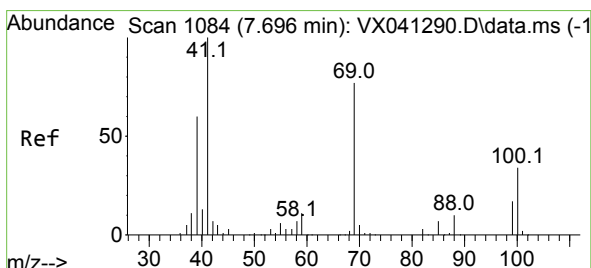
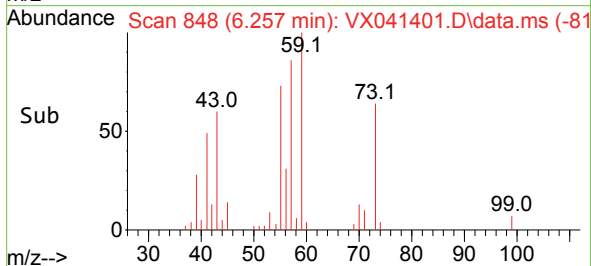
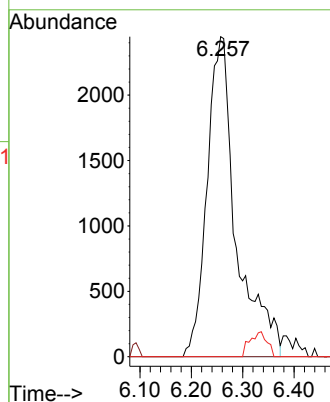
Tgt Ion: 43 Resp: 9668

Ion Ratio Lower Upper

43 100

61 0.0 15.2 22.8#

87 0.0 9.8 14.6#



#48

Methyl methacrylate

Concen: 0.210 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX041401.D

Acq: 07 May 2024 13:08

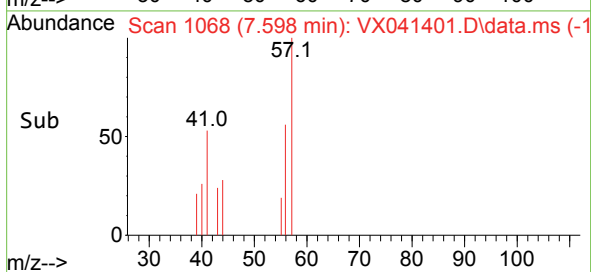
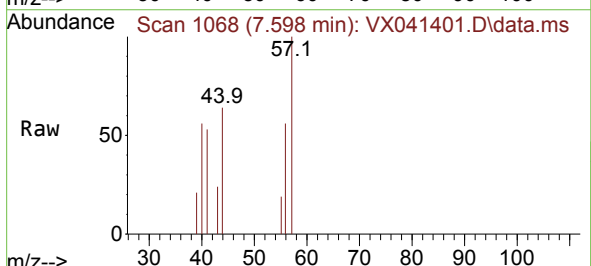
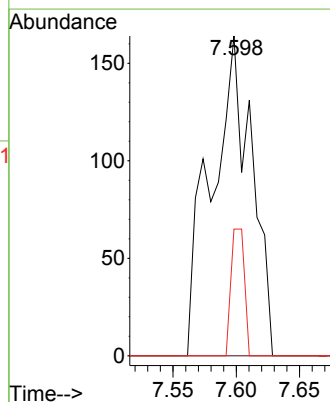
Tgt Ion: 41 Resp: 363

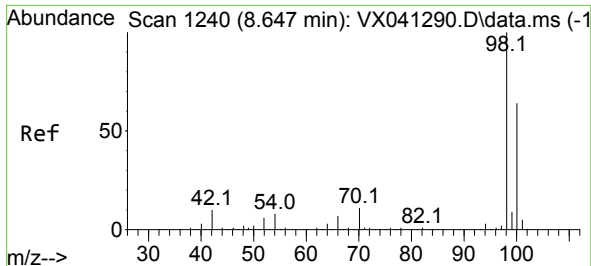
Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 13.2 47.7 71.5#

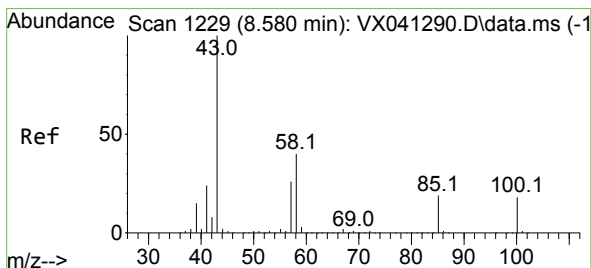
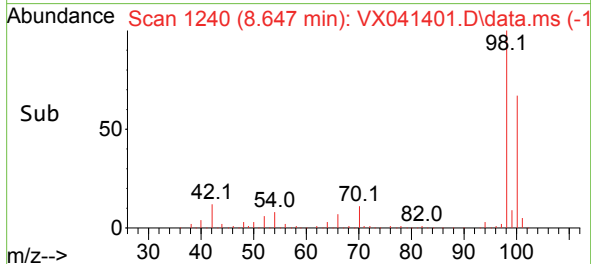
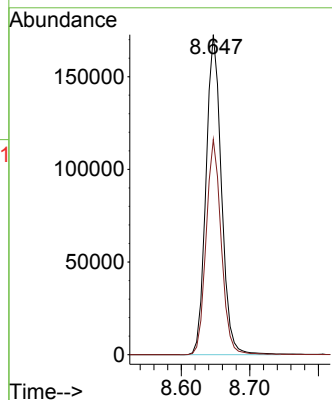
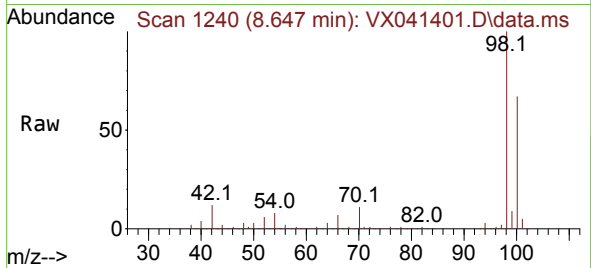




#50
Toluene-d8
Concen: 50.781 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

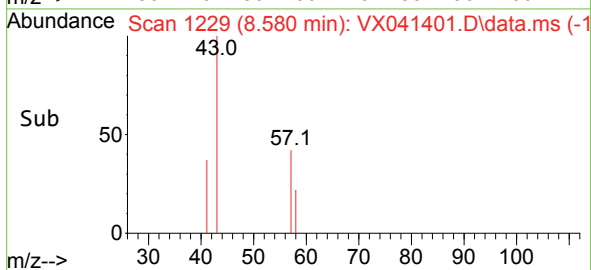
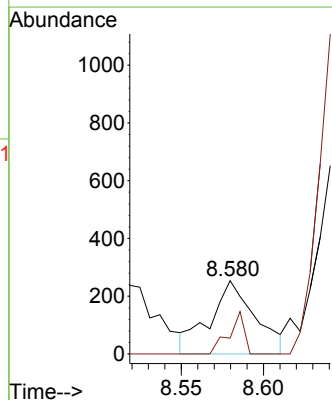
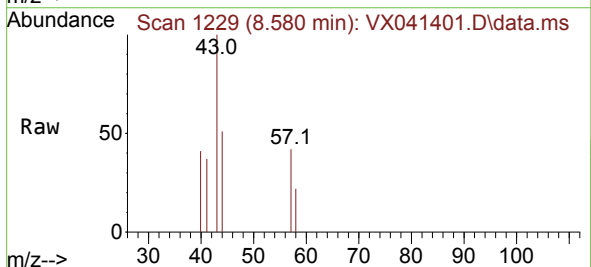
Instrument :
MSVOA_X
ClientSampleId :

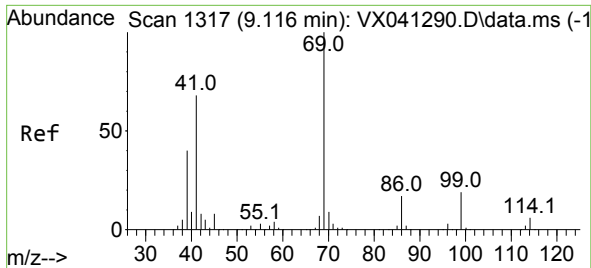
Tgt Ion: 98 Resp: 270504
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 19.6 30.4 45.6#

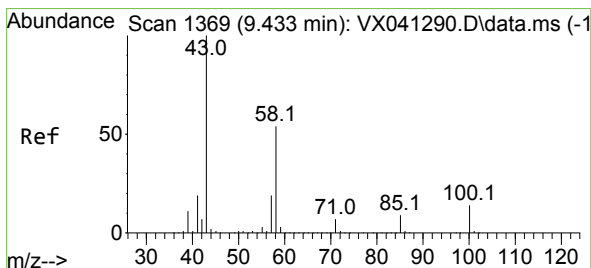
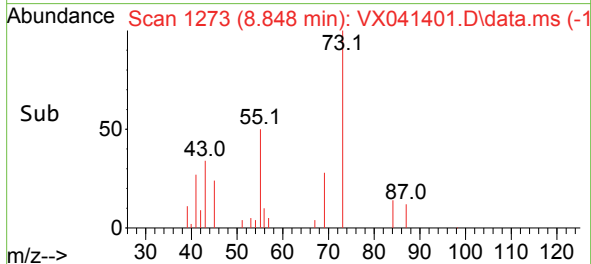
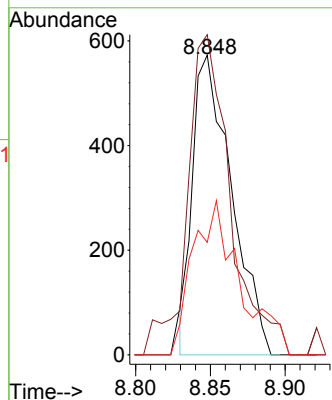
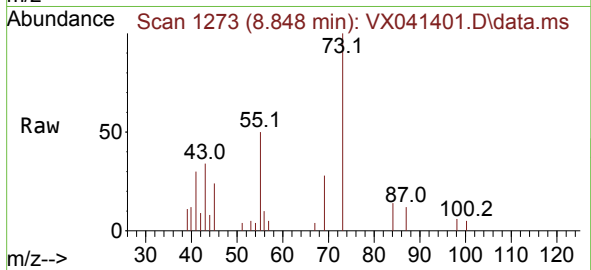




#56
Ethyl methacrylate
Concen: 0.458 ug/l
RT: 8.848 min Scan# 11
Delta R.T. -0.268 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

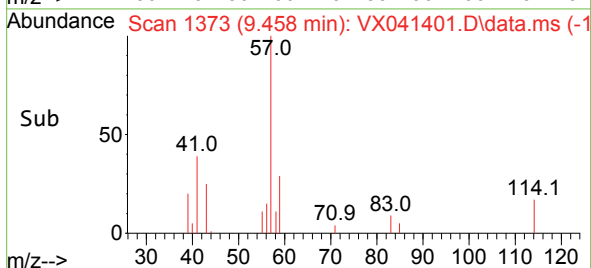
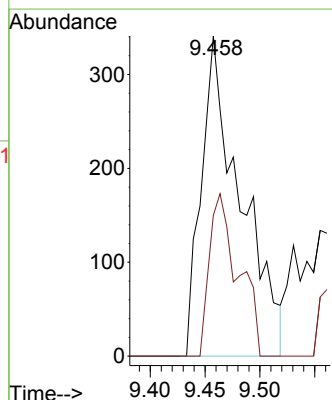
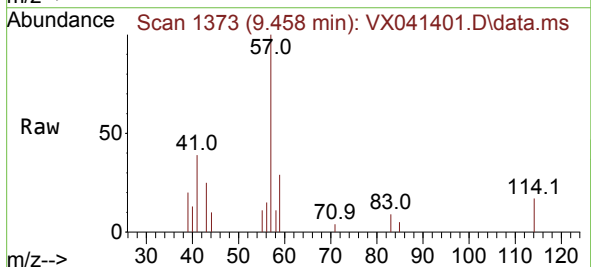
Instrument :
MSVOA_X
ClientSampleId :

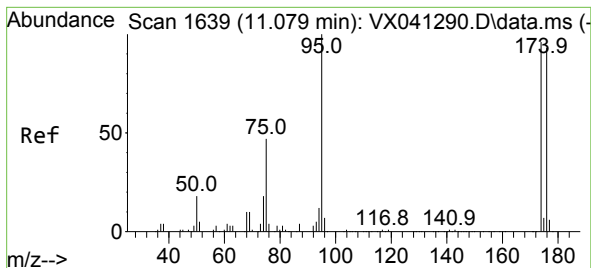
Tgt Ion: 69 Resp: 1037
Ion Ratio Lower Upper
69 100
41 108.4 56.8 85.2#
39 59.8 32.0 48.0#



#59
2-Hexanone
Concen: 0.468 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.024 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

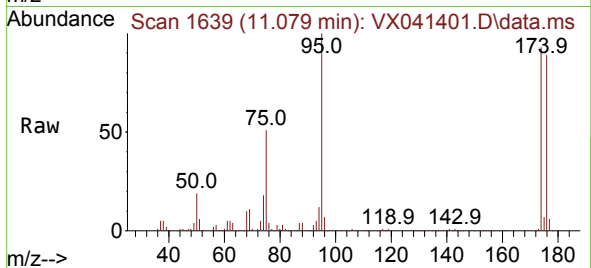
Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 37.3 26.2 78.5



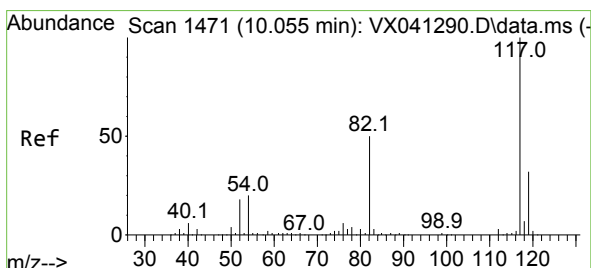
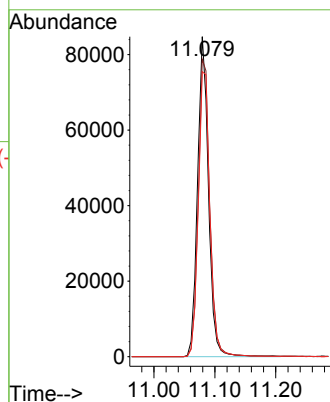
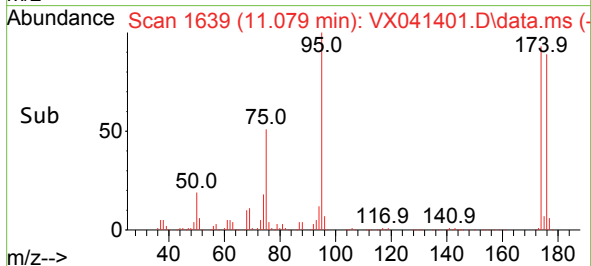


#62
4-Bromofluorobenzene
Concen: 51.126 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

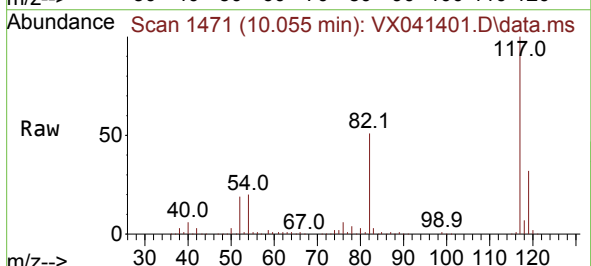
Instrument :
MSVOA_X
ClientSampleId :



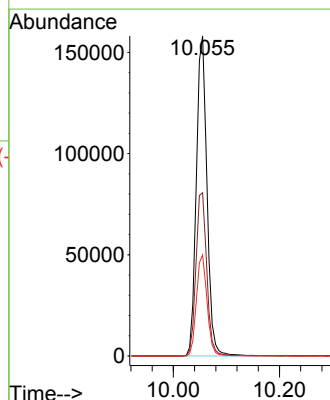
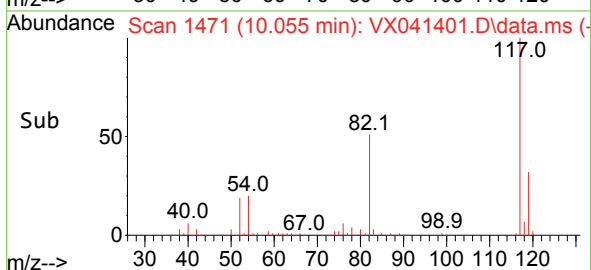
Tgt Ion: 95 Resp: 105424
Ion Ratio Lower Upper
95 100
174 98.1 0.0 135.6
176 95.0 0.0 131.0

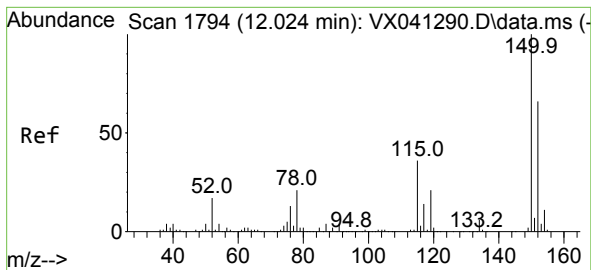


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08



Tgt Ion: 117 Resp: 220514
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 31.5 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: VX041401.D

Acq: 07 May 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :

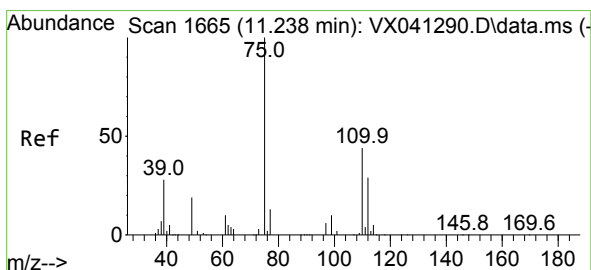
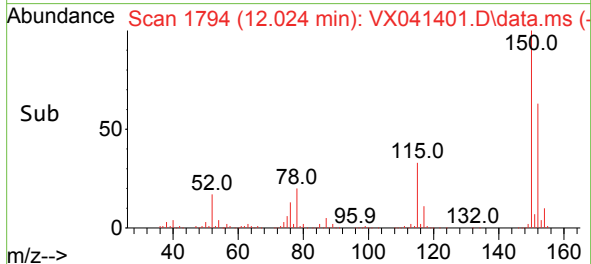
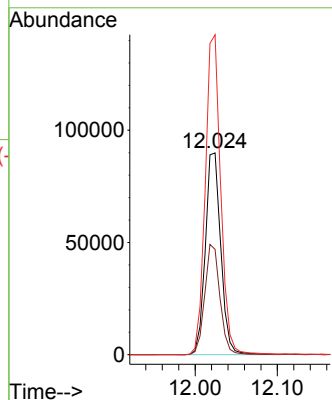
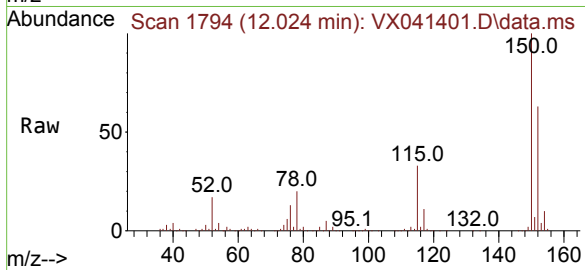
Tgt Ion:152 Resp: 117747

Ion Ratio Lower Upper

152 100

115 53.8 43.3 129.9

150 158.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.426 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041401.D

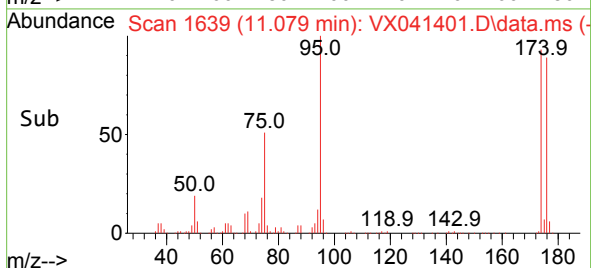
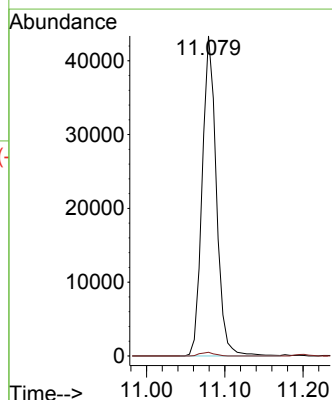
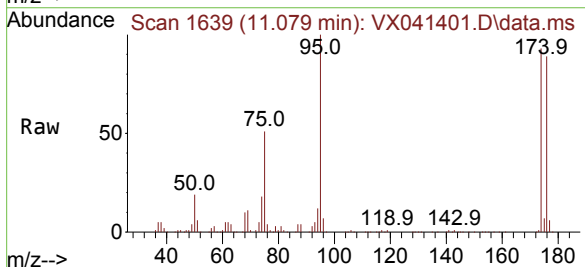
Acq: 07 May 2024 13:08

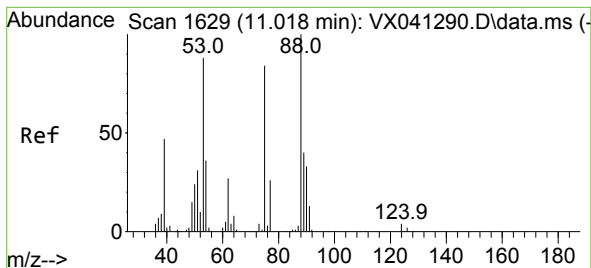
Tgt Ion: 75 Resp: 54546

Ion Ratio Lower Upper

75 100

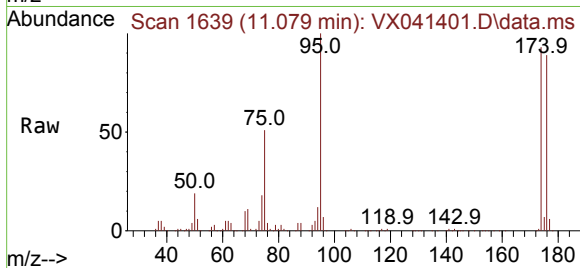
77 1.2 19.1 57.5#



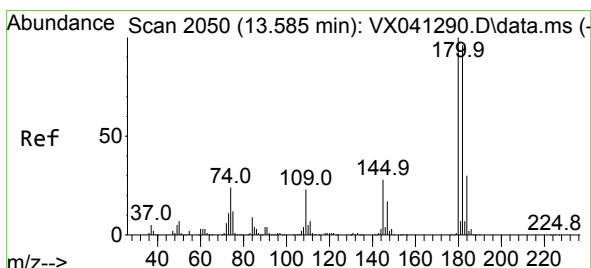
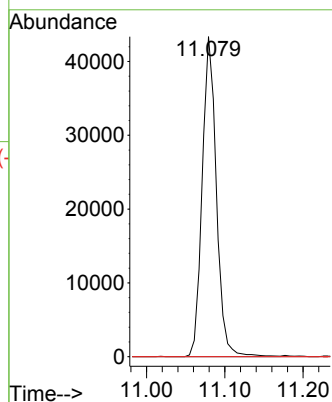
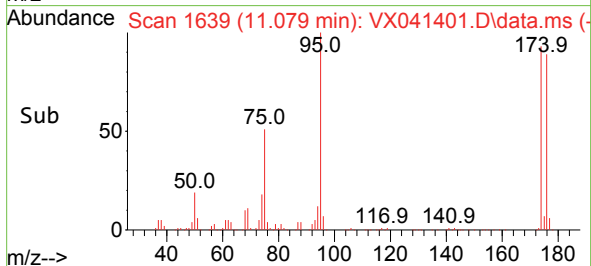


#81
trans-1,4-Dichloro-2-butene
Concen: 77.428 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08

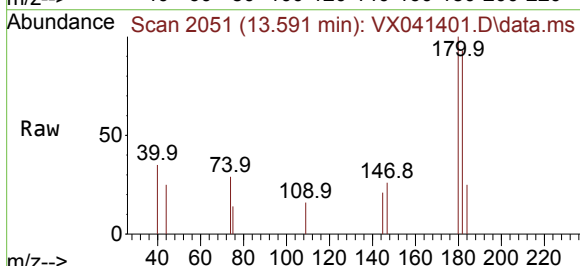
Instrument :
MSVOA_X
ClientSampleId :



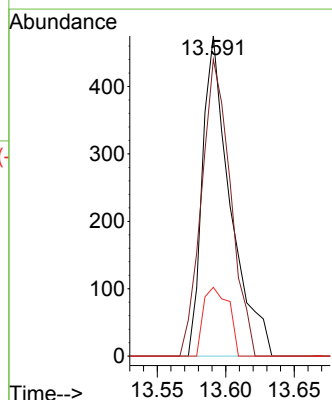
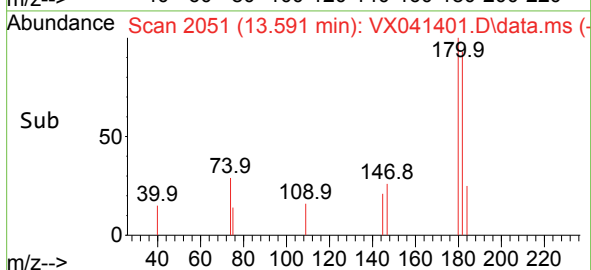
Tgt Ion: 75 Resp: 54546
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

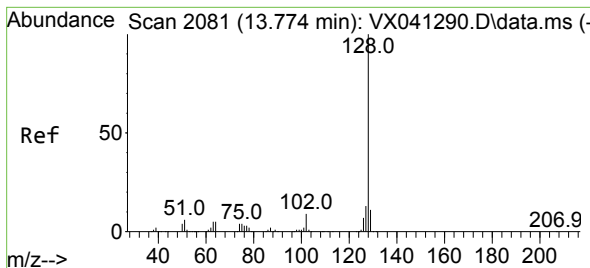


#93
1,2,4-Trichlorobenzene
Concen: 0.248 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041401.D
Acq: 07 May 2024 13:08



Tgt Ion: 180 Resp: 674
Ion Ratio Lower Upper
180 100
182 96.1 48.3 144.8
145 19.3 18.0 54.0





#95

Naphthalene

Concen: 0.313 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041401.D

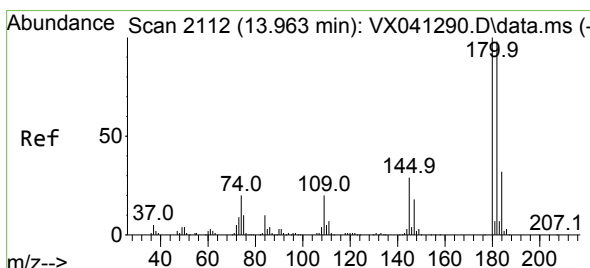
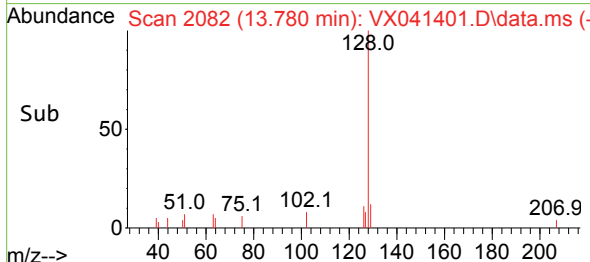
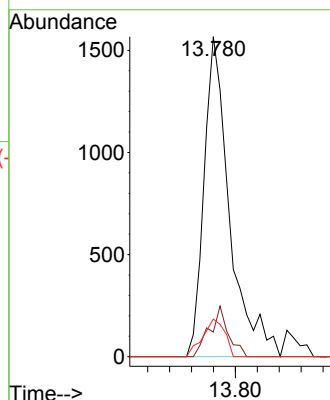
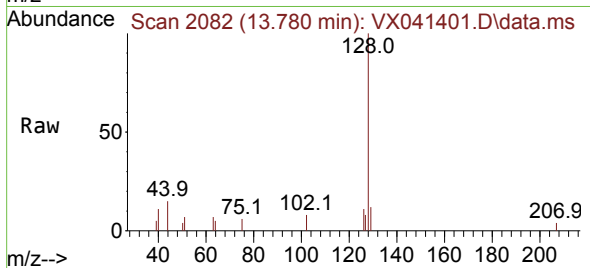
Acq: 07 May 2024 13:08

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	2529
Ion	Ratio	Lower Upper
128	100	
127	11.6	10.3 15.5
129	10.1	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.247 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX041401.D

Acq: 07 May 2024 13:08

Tgt Ion:180	Resp:	686
Ion	Ratio	Lower Upper
180	100	
182	94.8	46.9 140.6
145	26.5	17.8 53.5

