

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051324\
 Data File : VX041477.D
 Acq On : 13 May 2024 09:38
 Operator : JC/MD
 Sample : VX0513MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

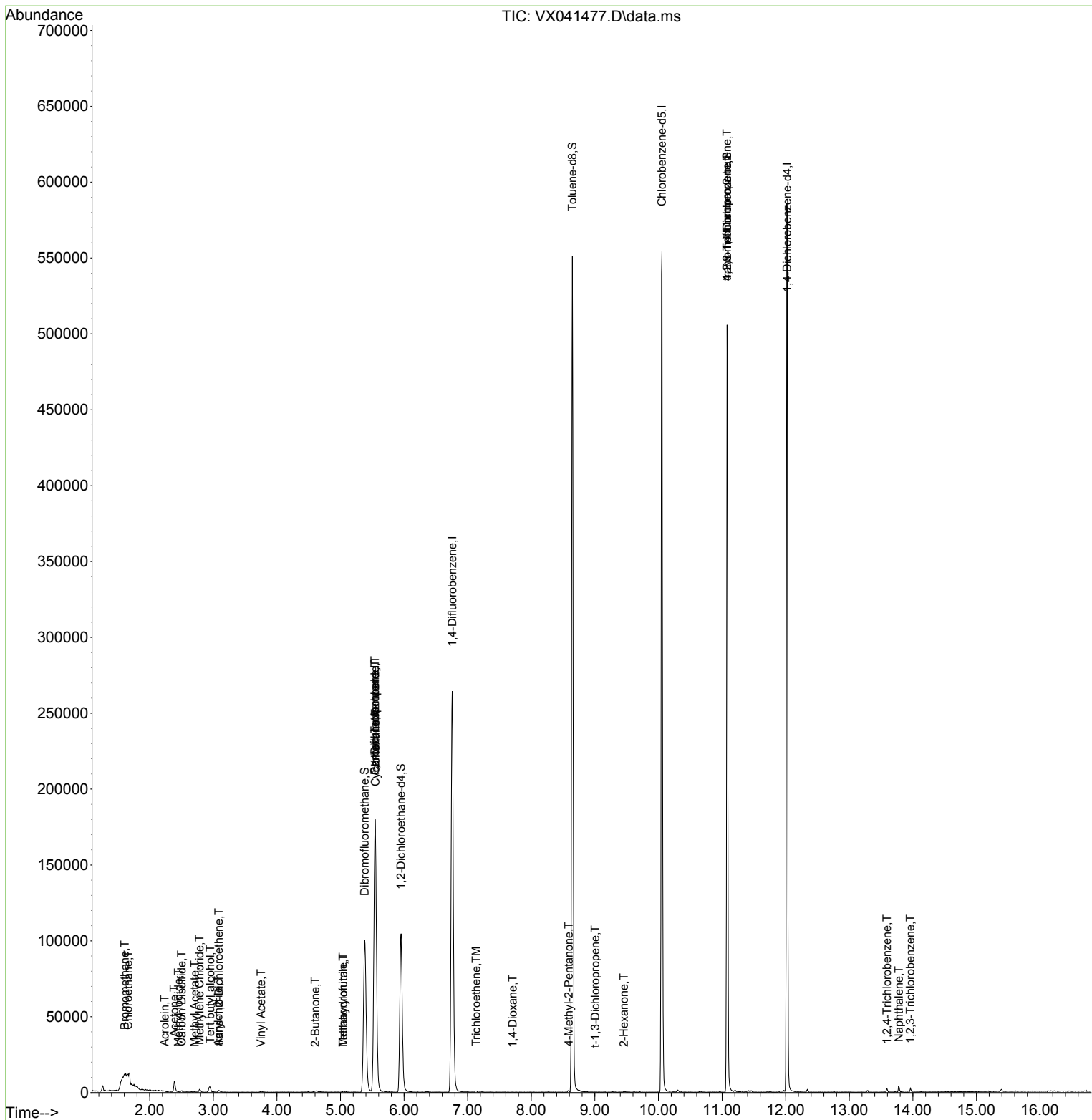
Quant Time: May 14 01:20:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	189794	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	280455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104459	50.557	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.120%	
35) Dibromofluoromethane	5.379	113	86918	45.733	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.460%	
50) Toluene-d8	8.647	98	328198	54.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.120%	
62) 4-Bromofluorobenzene	11.079	95	121861	52.332	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	778	0.807	ug/l	86
6) Chloroethane	1.660	64	230	0.322	ug/l	# 43
10) Methyl Iodide	2.453	142	330	0.206	ug/l	# 70
11) Tert butyl alcohol	2.952	59	2491	6.023	ug/l	# 78
13) Acrolein	2.233	56	214	0.652	ug/l	# 59
15) Acrylonitrile	3.080	53	609	0.645	ug/l	# 88
16) Acetone	2.385	43	7698	4.621	ug/l	94
17) Carbon Disulfide	2.501	76	1157	0.335	ug/l	# 91
18) Methyl Acetate	2.709	43	531	0.251	ug/l	92
20) Methylene Chloride	2.782	84	956	0.533	ug/l	# 82
21) trans-1,2-Dichloroethene	3.087	96	335	0.204	ug/l	# 84
23) Vinyl Acetate	3.751	43	1234	0.263	ug/l	# 73
25) 2-Butanone	4.605	43	399	0.298	ug/l	# 51
29) Tetrahydrofuran	5.044	42	526	0.601	ug/l	# 65
31) Cyclohexane	5.550	56	3293	1.321	ug/l	# 1
36) 1,1-Dichloropropene	5.543	75	12229	5.381	ug/l	# 46
38) Carbon Tetrachloride	5.543	117	16677	6.406	ug/l	# 16
41) Methacrylonitrile	5.044	41	373	0.256	ug/l	# 28
44) Trichloroethene	7.135	130	387	0.209	ug/l	45
49) 1,4-Dioxane	7.708	88	46	1.089	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.592	43	820	0.321	ug/l	98
53) t-1,3-Dichloropropene	9.006	75	124	2.487	ug/l	# 43
59) 2-Hexanone	9.457	43	719	0.351	ug/l	74
76) 1,2,3-Trichloropropane	11.079	75	62191	27.817	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	62191	75.771	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	913	0.288	ug/l	85
95) Naphthalene	13.780	128	3555	0.378	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	902	0.278	ug/l	80

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

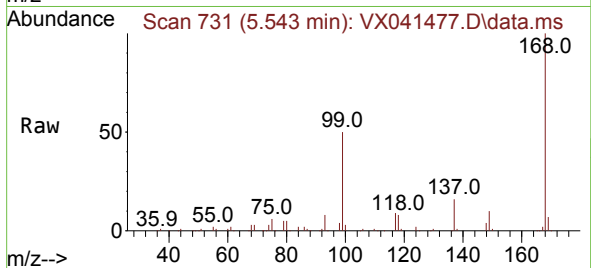
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration



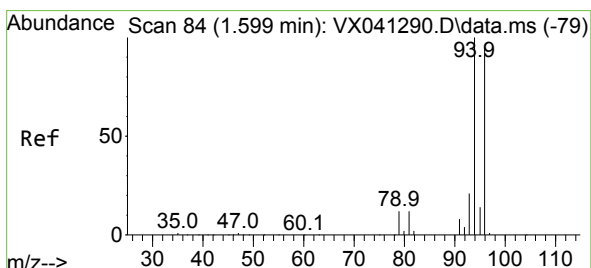
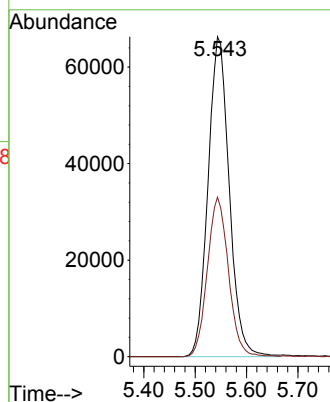
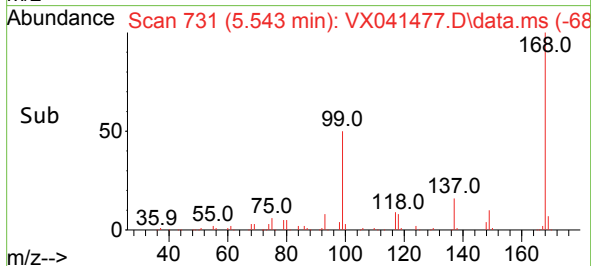


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Instrument :
MSVOA_X
ClientSampleId :

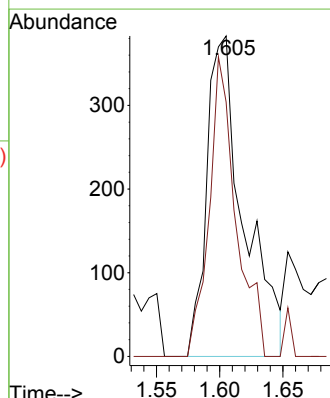
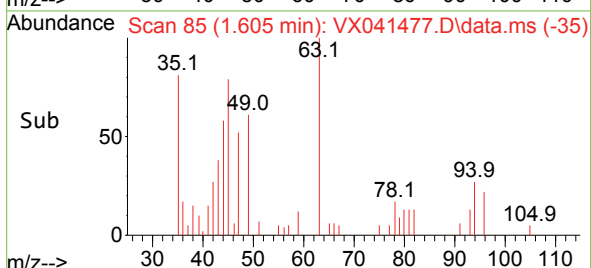
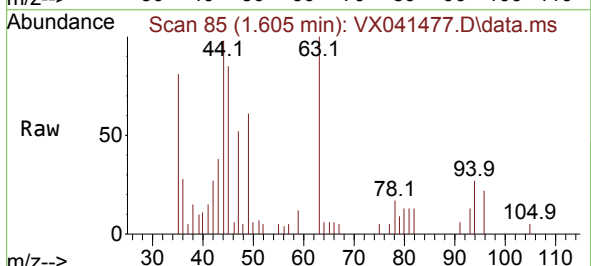


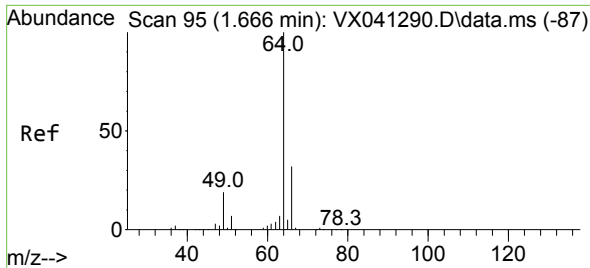
Tgt Ion:168 Resp: 189794
Ion Ratio Lower Upper
168 100
99 49.9 56.6 85.0#



#5
Bromomethane
Concen: 0.807 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 94 Resp: 778
Ion Ratio Lower Upper
94 100
96 79.4 74.6 111.8

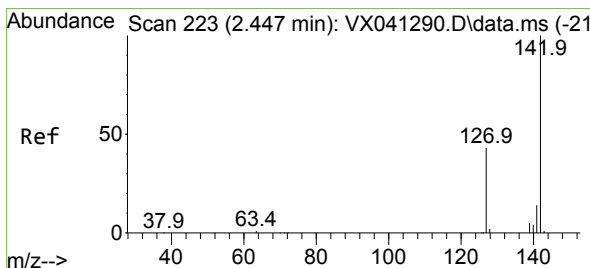
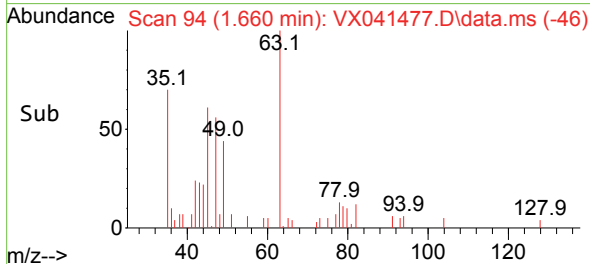
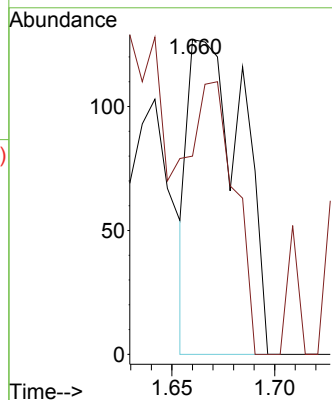
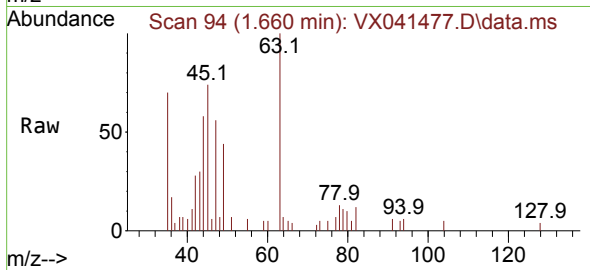




#6
Chloroethane
Concen: 0.322 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

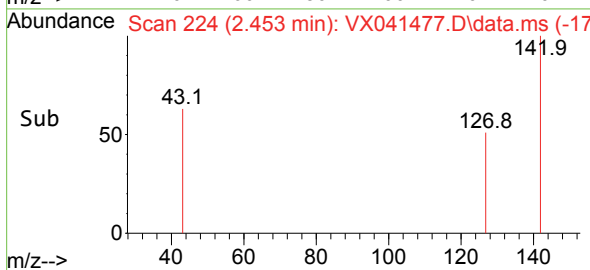
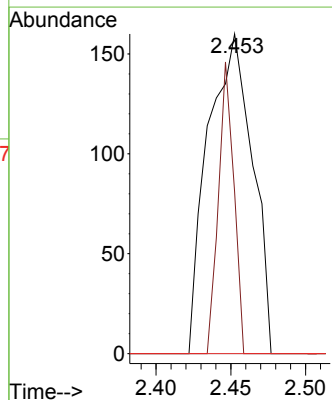
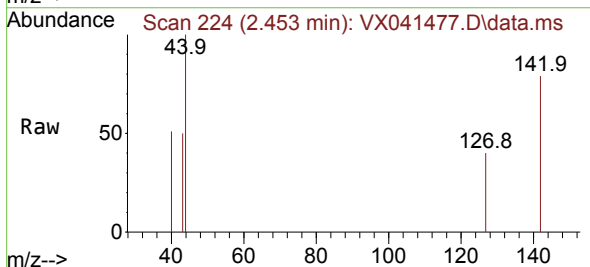
Instrument :
MSVOA_X
ClientSampleId :

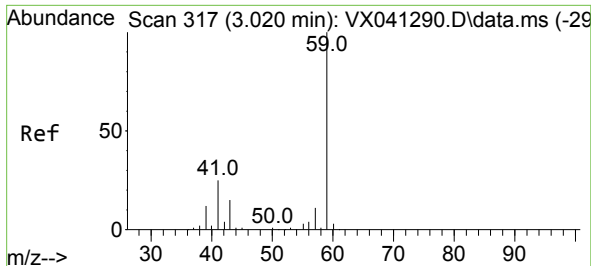
Tgt Ion: 64 Resp: 230
Ion Ratio Lower Upper
64 100
66 63.0 25.1 37.7#



#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 142 Resp: 330
Ion Ratio Lower Upper
142 100
127 31.5 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 6.023 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.067 min

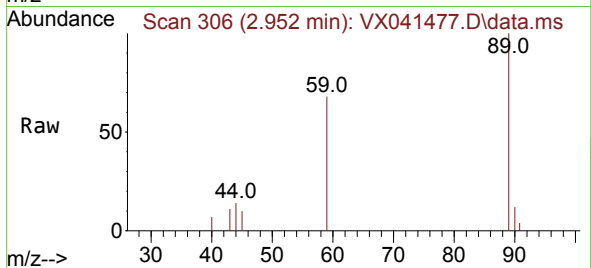
Lab File: VX041477.D

Acq: 13 May 2024 09:38

Instrument :

MSVOA_X

ClientSampleId :

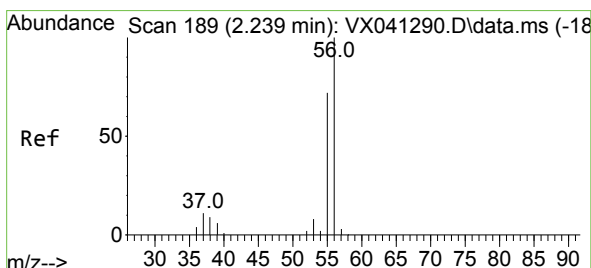
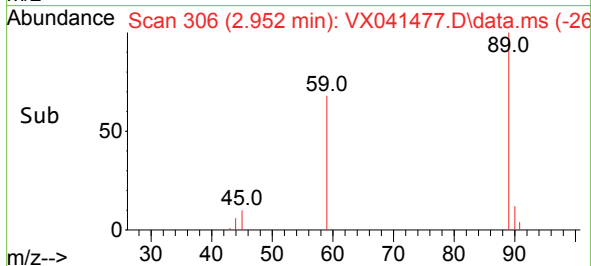
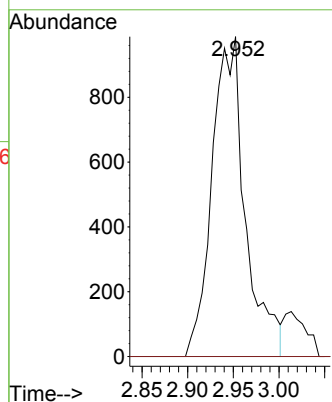


Tgt Ion: 59 Resp: 2491

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.652 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX041477.D

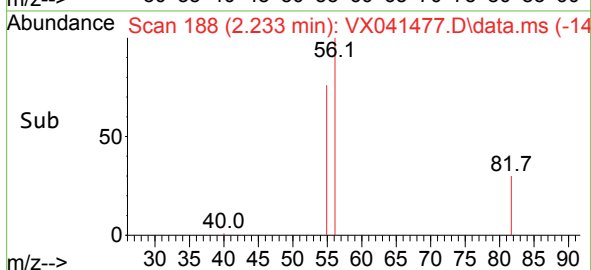
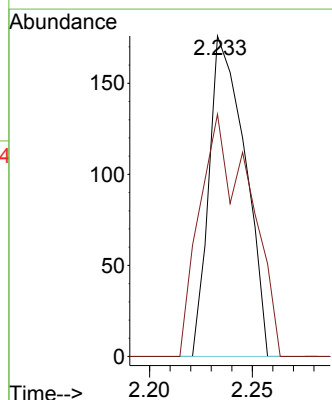
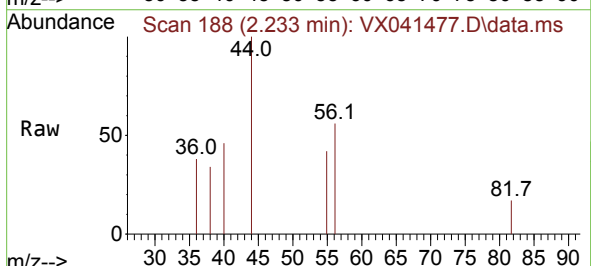
Acq: 13 May 2024 09:38

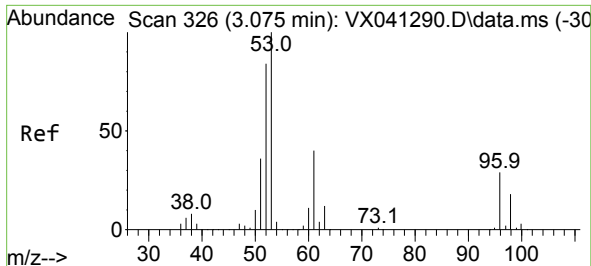
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

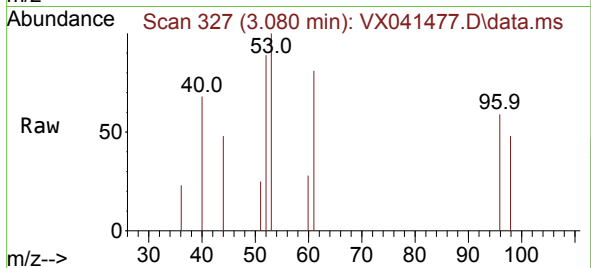
55 105.1 57.1 85.7#



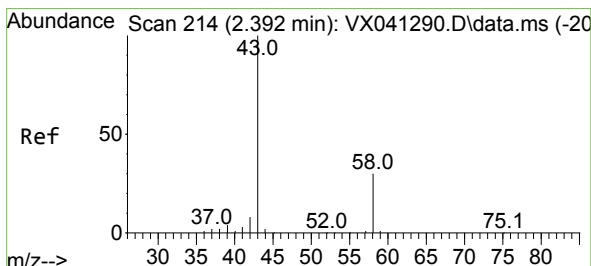
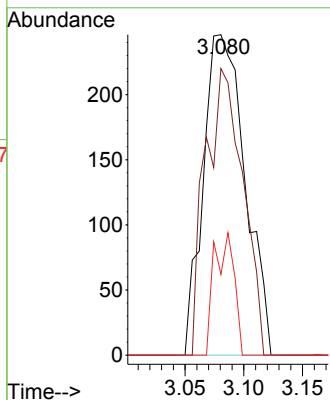
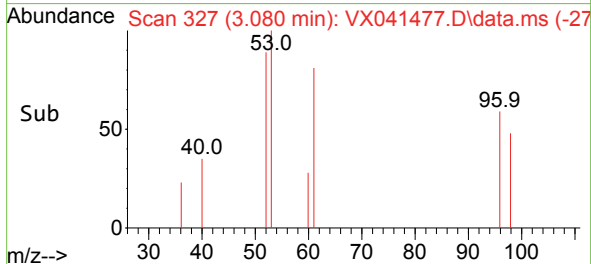


#15
Acrylonitrile
Concen: 0.645 ug/l
RT: 3.080 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

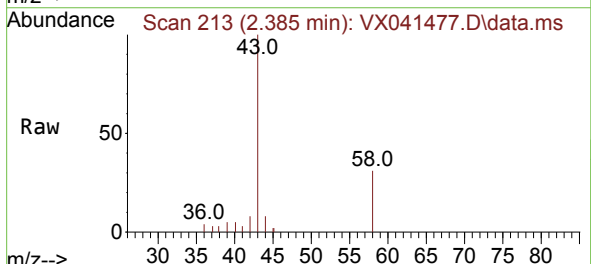
Instrument :
MSVOA_X
ClientSampleId :



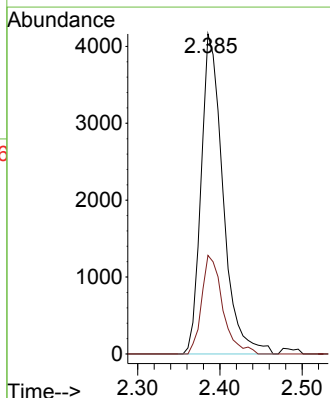
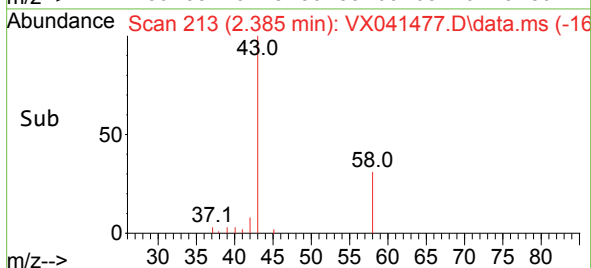
Tgt Ion: 53 Resp: 609
Ion Ratio Lower Upper
53 100
52 80.5 66.0 99.0
51 18.1 29.8 44.6#

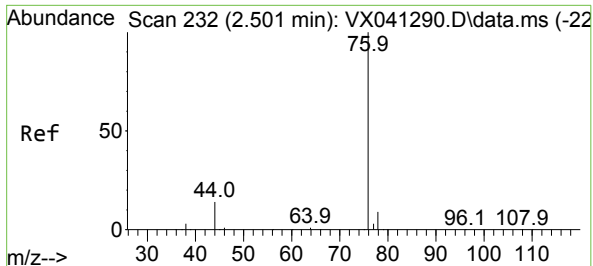


#16
Acetone
Concen: 4.621 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38



Tgt Ion: 43 Resp: 7698
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9





#17

Carbon Disulfide

Concen: 0.335 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041477.D

Acq: 13 May 2024 09:38

Instrument :

MSVOA_X

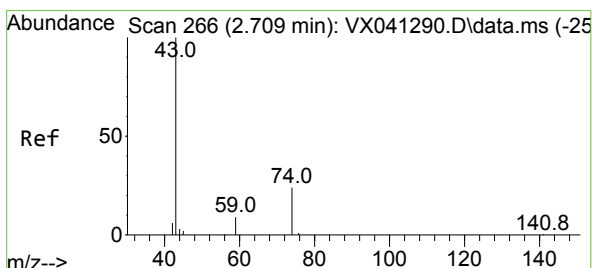
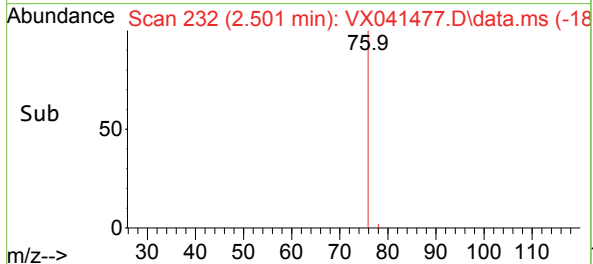
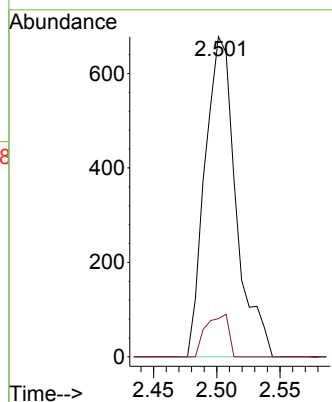
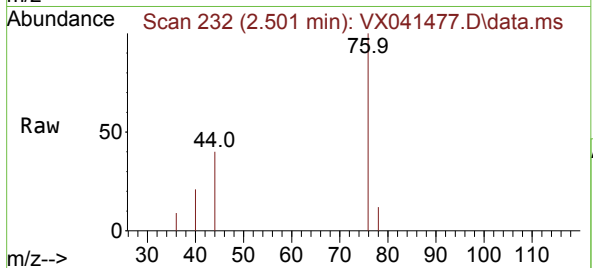
ClientSampleId :

Tgt Ion: 76 Resp: 1157

Ion Ratio Lower Upper

76 100

78 11.9 7.0 10.6#



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX041477.D

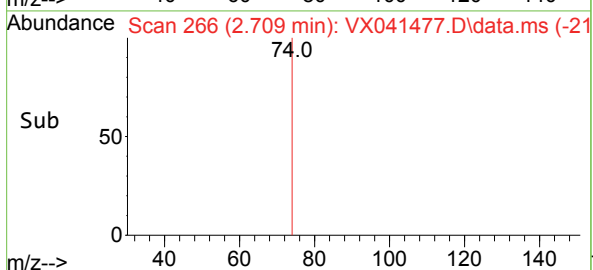
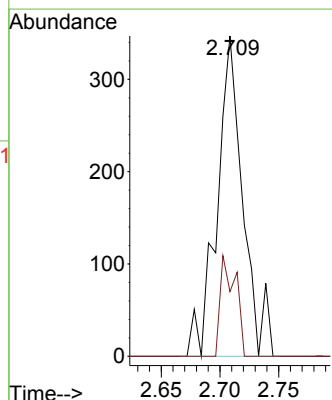
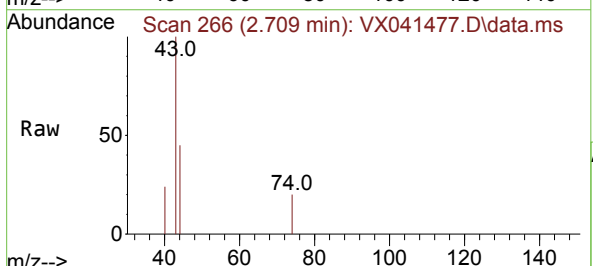
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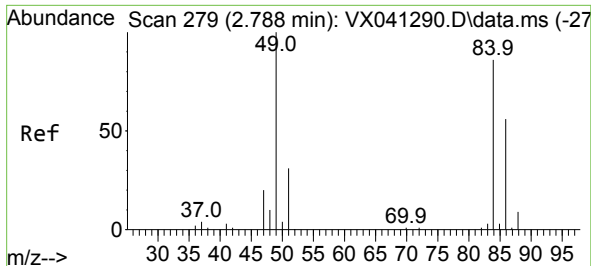
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

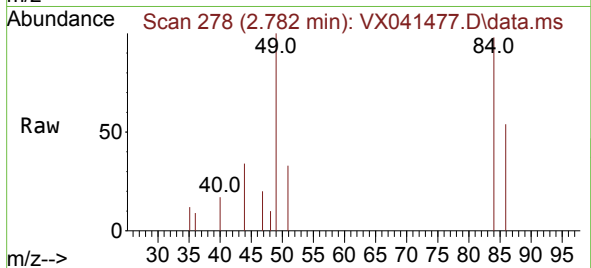
74 18.6 17.8 26.8



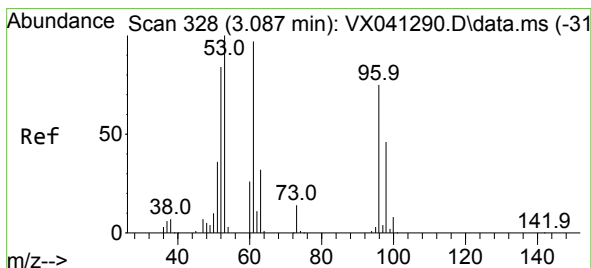
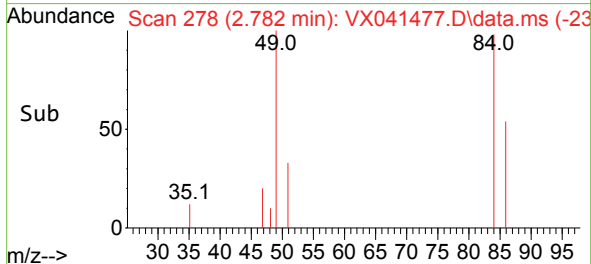
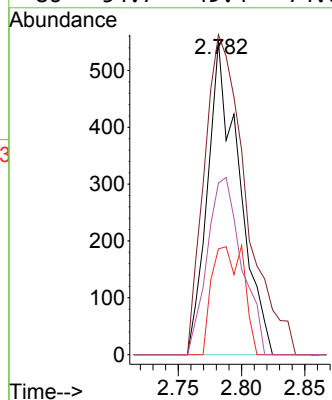


#20
Methylene Chloride
Concen: 0.533 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Instrument :
MSVOA_X
ClientSampleId :

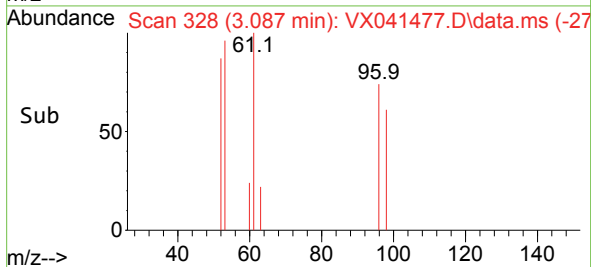
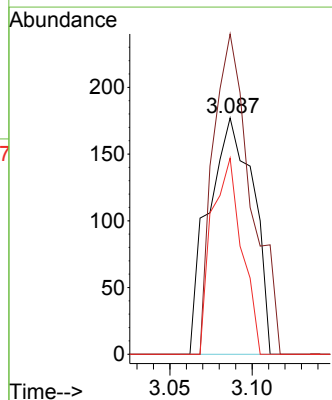
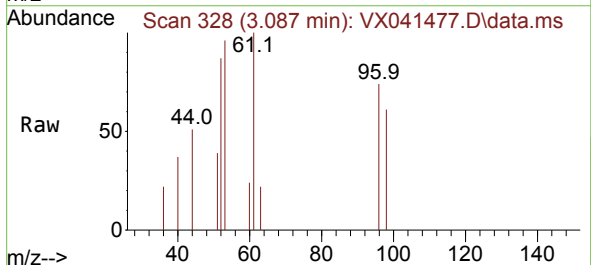


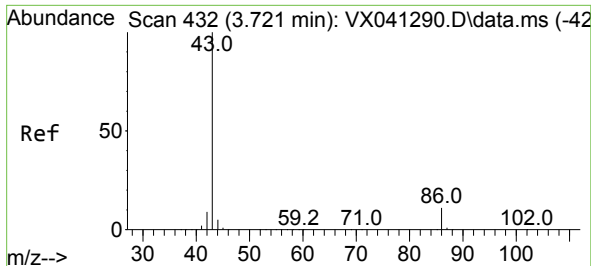
Tgt Ion: 84	Resp: 956
Ion Ratio	Lower Upper
84 100	
49 102.0	103.6 155.4#
51 33.7	33.8 50.6#
86 54.7	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 96	Resp: 335		
Ion Ratio	Lower	Upper	
96 100			
61 135.6	119.2	178.8	
98 83.1	48.7	73.1#	

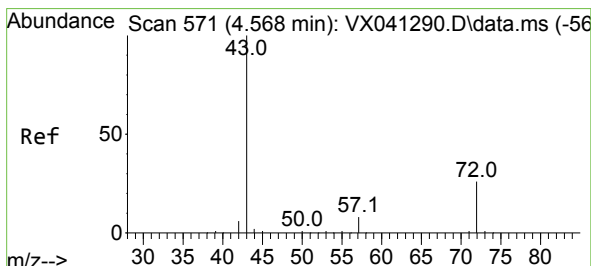
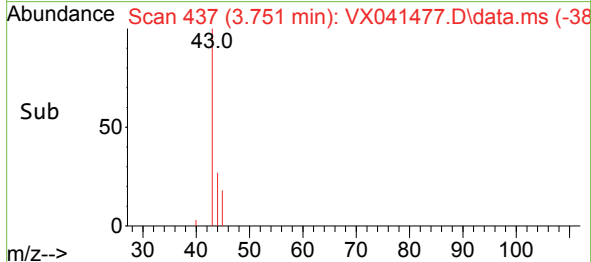
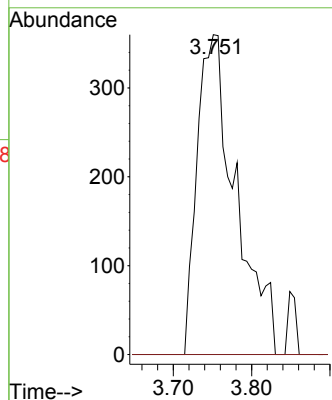
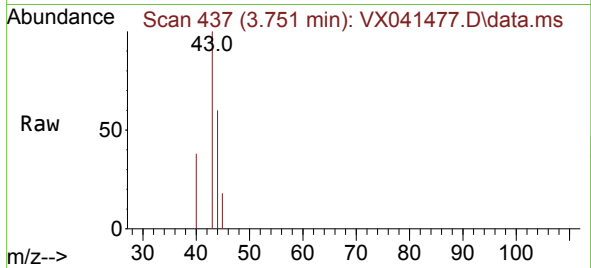




#23
 Vinyl Acetate
 Concen: 0.263 ug/l
 RT: 3.751 min Scan# 41
 Delta R.T. 0.030 min
 Lab File: VX041477.D
 Acq: 13 May 2024 09:38

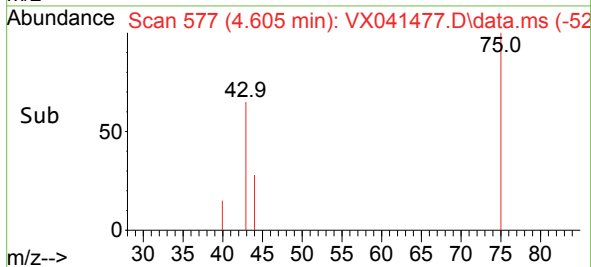
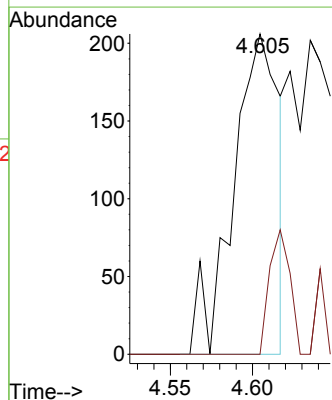
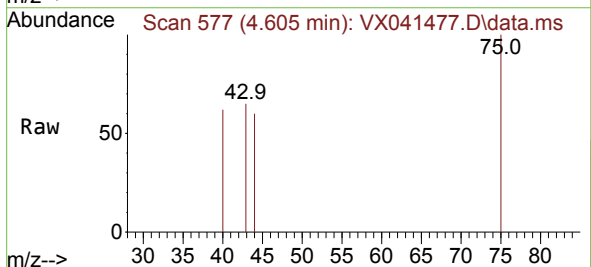
Instrument :
 MSVOA_X
 ClientSampleId :

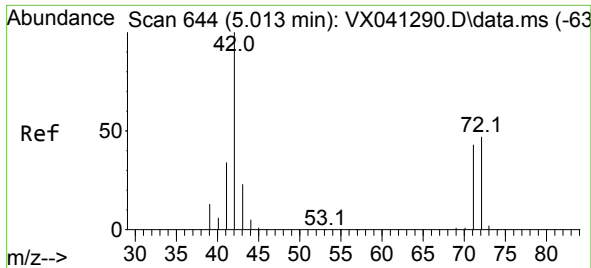
Tgt Ion: 43 Resp: 1234
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 0.298 ug/l
 RT: 4.605 min Scan# 577
 Delta R.T. 0.036 min
 Lab File: VX041477.D
 Acq: 13 May 2024 09:38

Tgt Ion: 43 Resp: 399
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.601 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

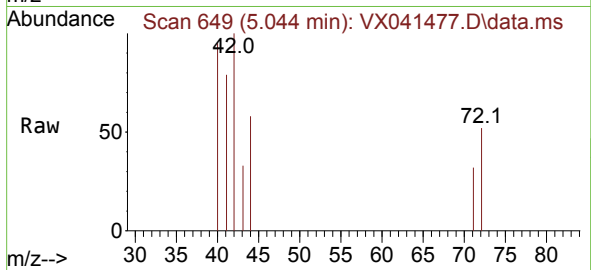
Lab File: VX041477.D

Acq: 13 May 2024 09:38

Instrument :

MSVOA_X

ClientSampleId :



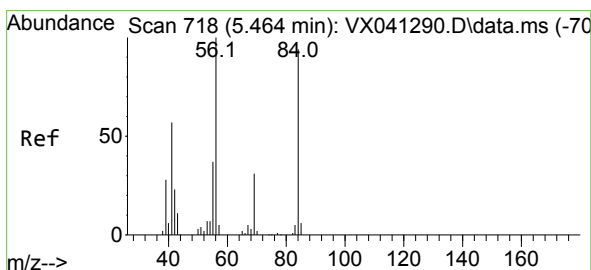
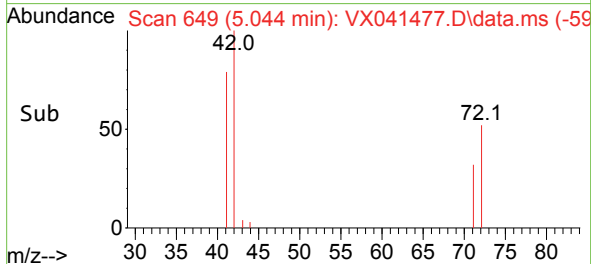
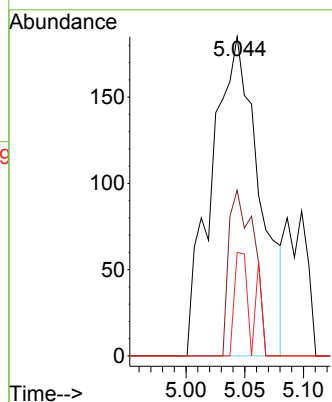
Tgt Ion: 42 Resp: 526

Ion Ratio Lower Upper

42 100

72 26.8 34.2 51.4#

71 12.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.321 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041477.D

Acq: 13 May 2024 09:38

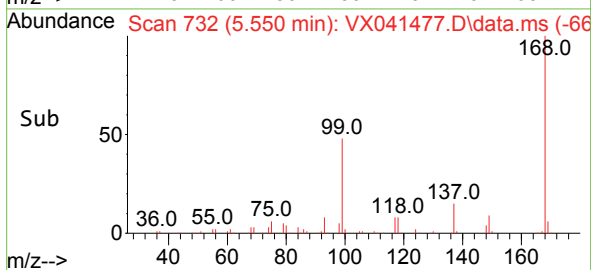
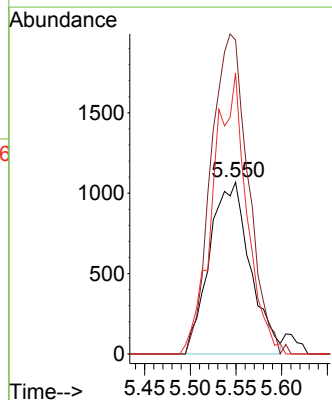
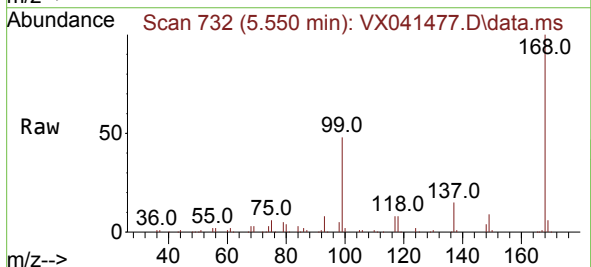
Tgt Ion: 56 Resp: 3293

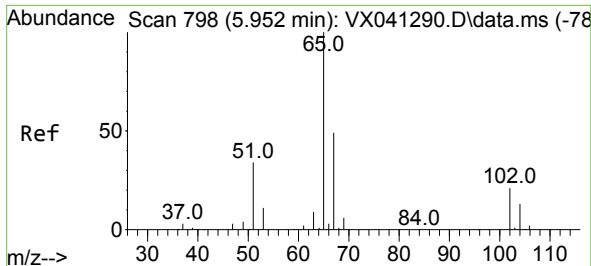
Ion Ratio Lower Upper

56 100

69 182.9 23.4 35.2#

84 169.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.557 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041477.D

Acq: 13 May 2024 09:38

Instrument :

MSVOA_X

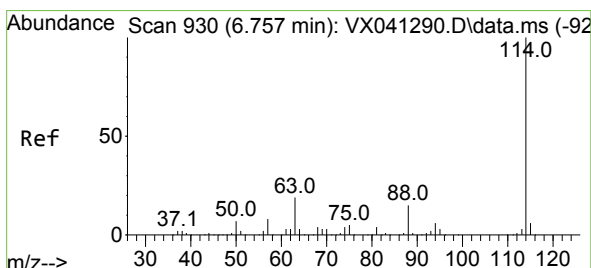
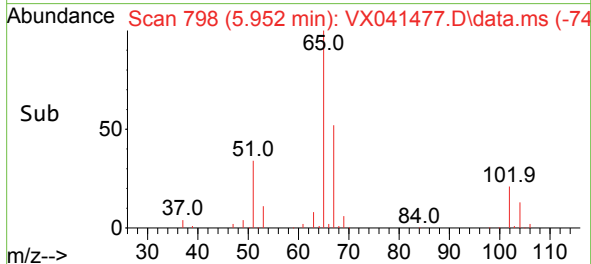
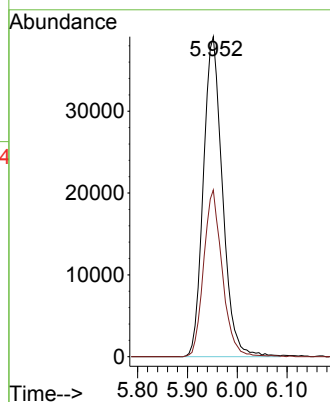
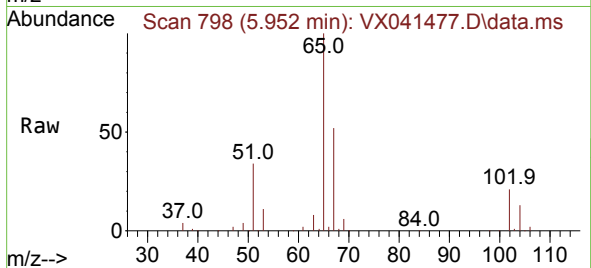
ClientSampleId :

Tgt Ion: 65 Resp: 104459

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: VX041477.D

Acq: 13 May 2024 09:38

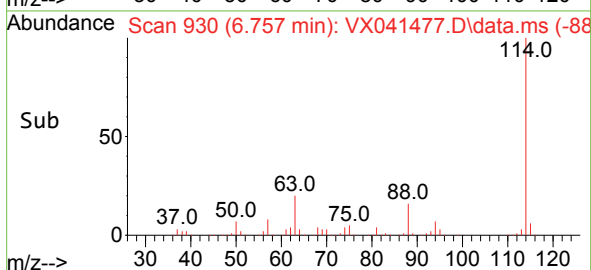
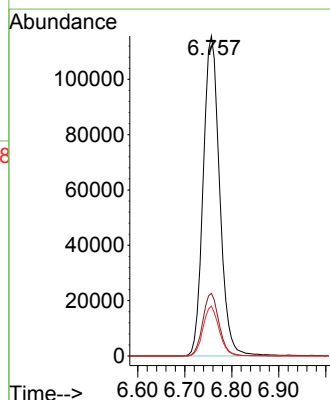
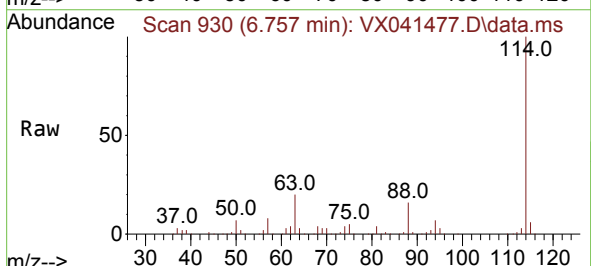
Tgt Ion: 114 Resp: 280455

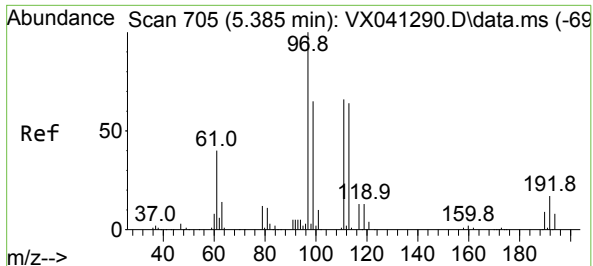
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

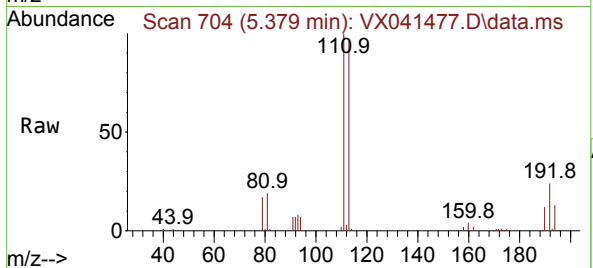
88 15.6 0.0 36.6



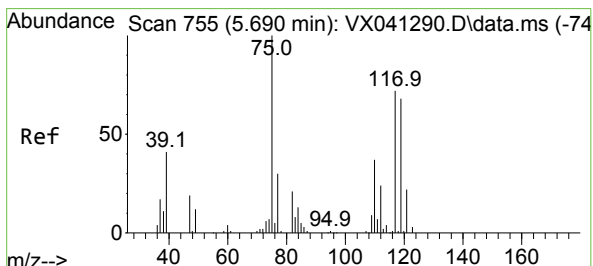
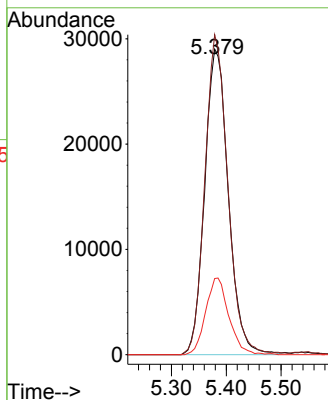
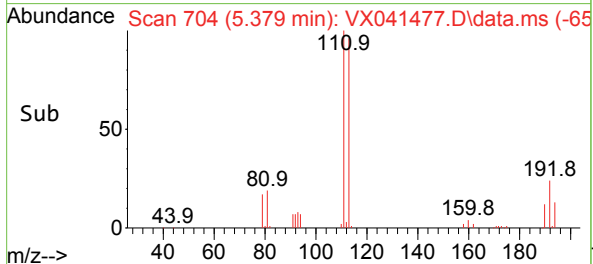


#35
Dibromofluoromethane
Concen: 45.733 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Instrument :
MSVOA_X
ClientSampleId :

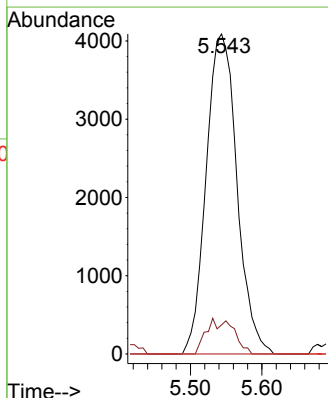
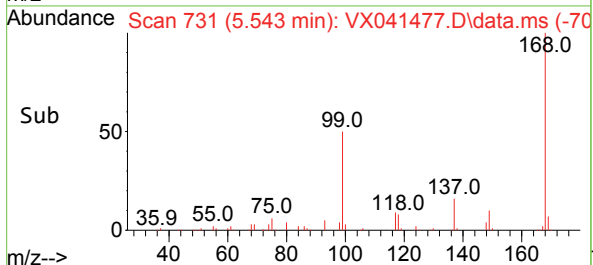
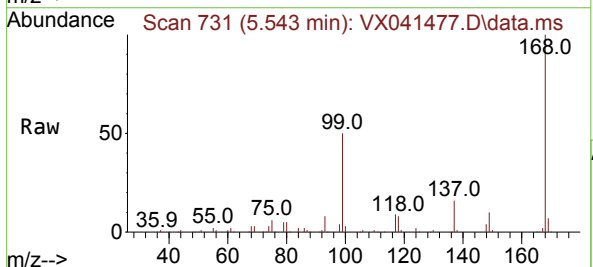


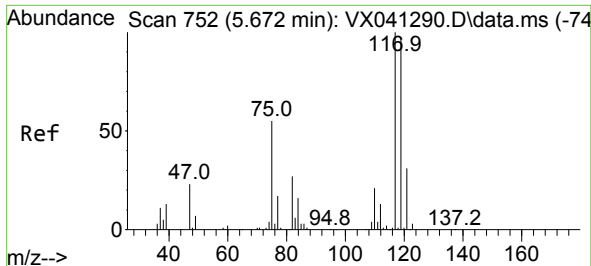
Tgt Ion:113 Resp: 86918
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 24.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.381 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

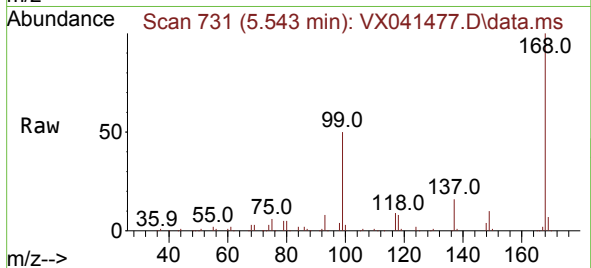
Tgt Ion: 75 Resp: 12229
Ion Ratio Lower Upper
75 100
110 4.4 17.0 50.9#
77 0.0 24.7 37.1#



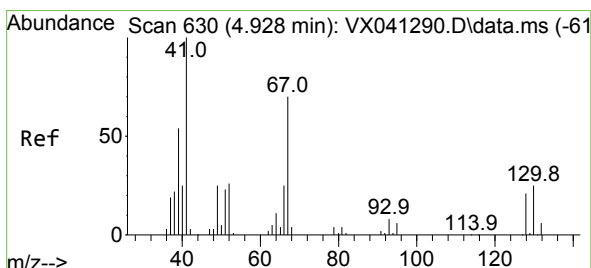
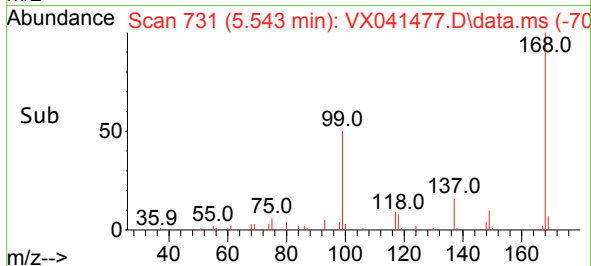
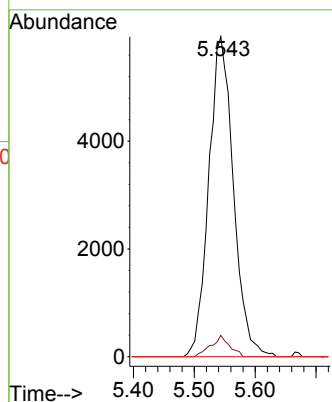


#38
Carbon Tetrachloride
Concen: 6.406 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Instrument :
MSVOA_X
ClientSampleId :

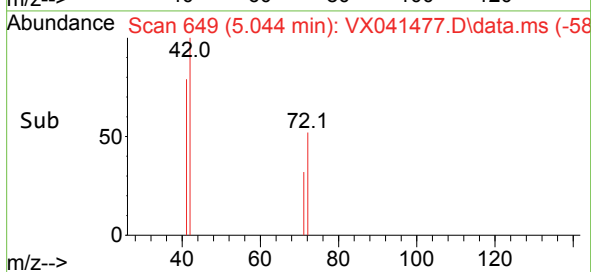
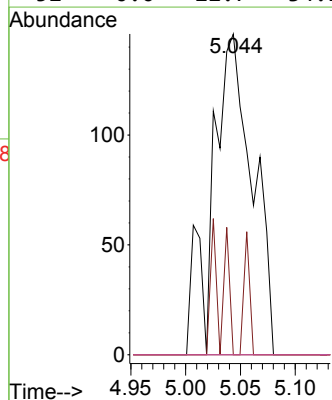
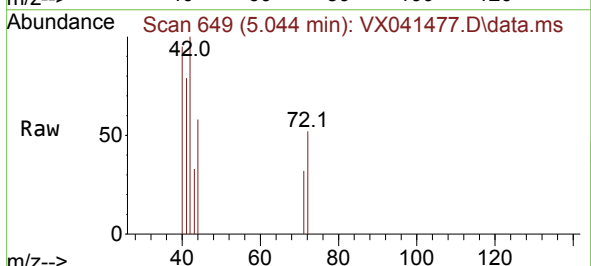


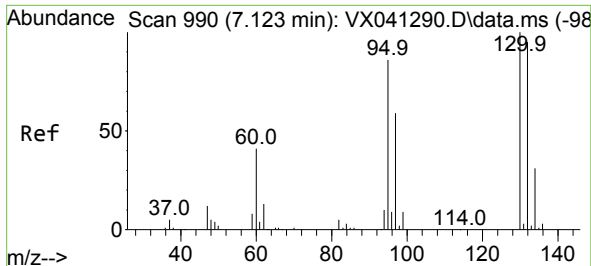
Tgt Ion:117 Resp: 16677
Ion Ratio Lower Upper
117 100
119 6.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.256 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
39 5.4 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

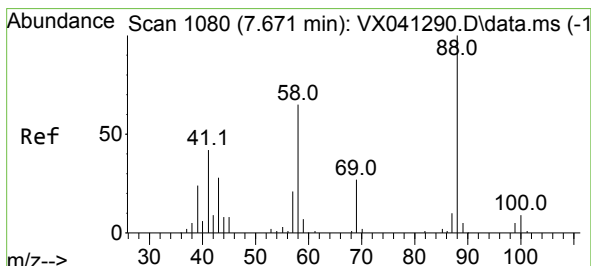
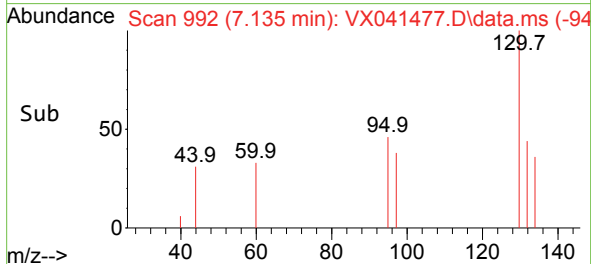
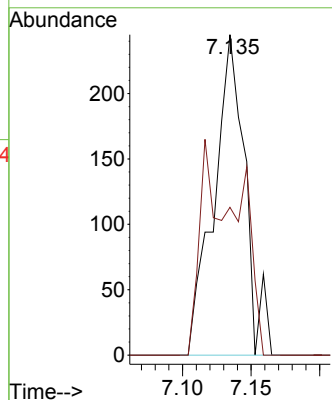
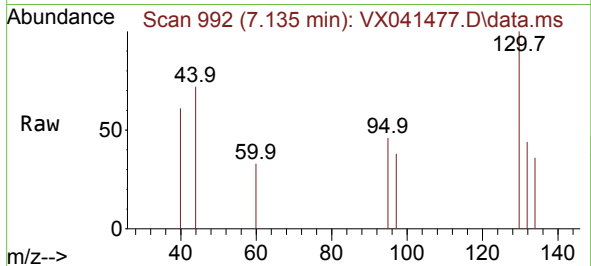




#44
Trichloroethene
Concen: 0.209 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

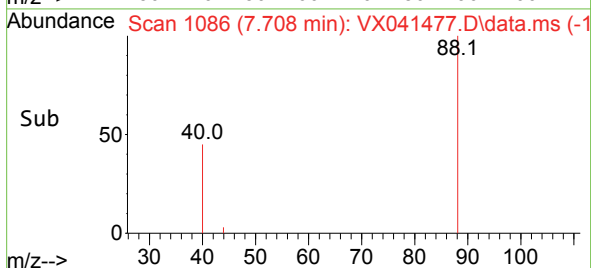
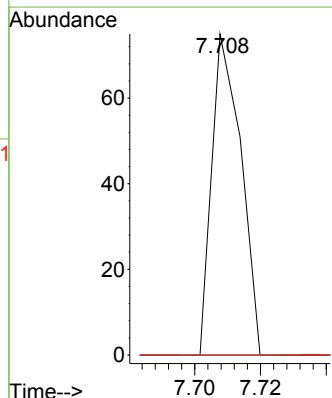
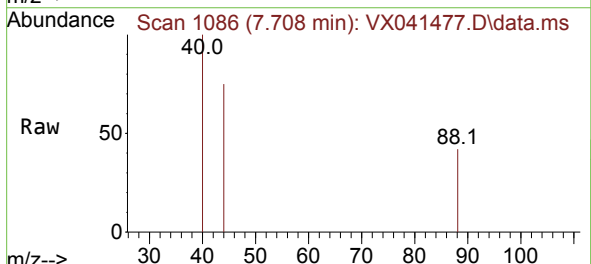
Instrument :
MSVOA_X
ClientSampleId :

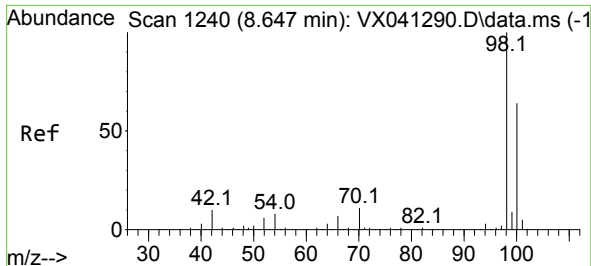
Tgt Ion:130 Resp: 387
Ion Ratio Lower Upper
130 100
95 46.1 0.0 204.4



#49
1,4-Dioxane
Concen: 1.089 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.036 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

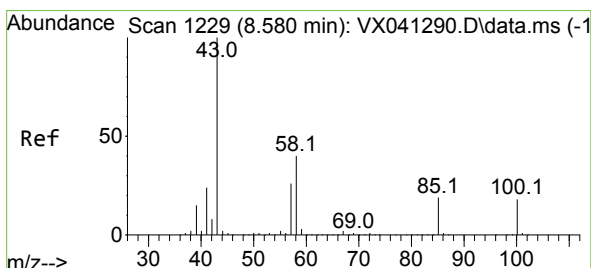
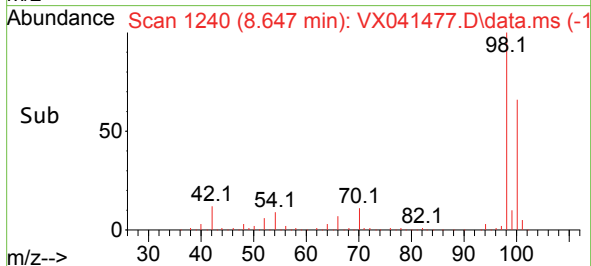
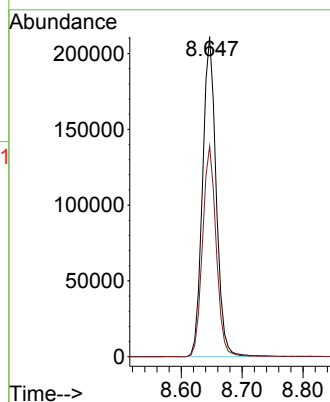
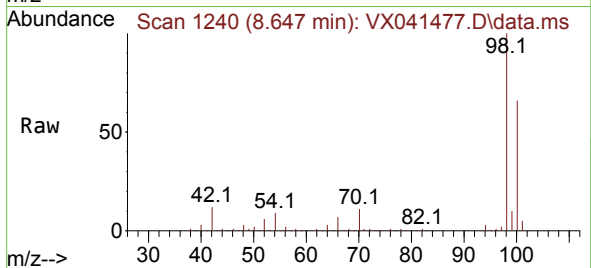




#50
Toluene-d8
Concen: 54.559 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

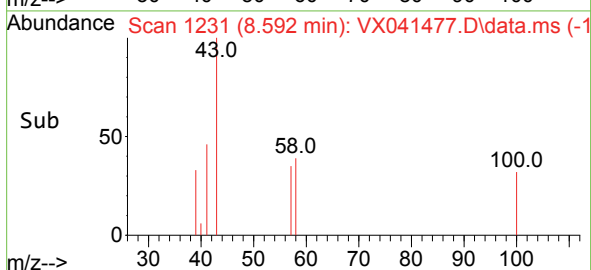
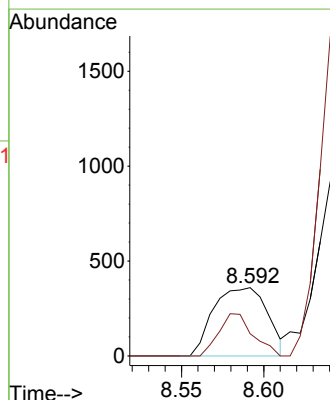
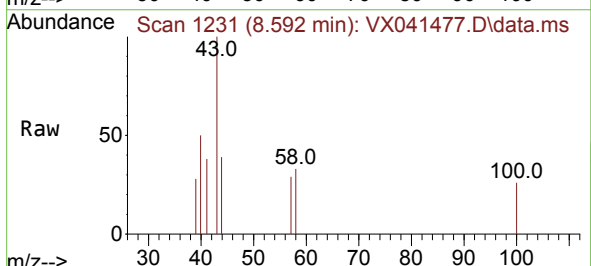
Instrument :
MSVOA_X
ClientSampleId :

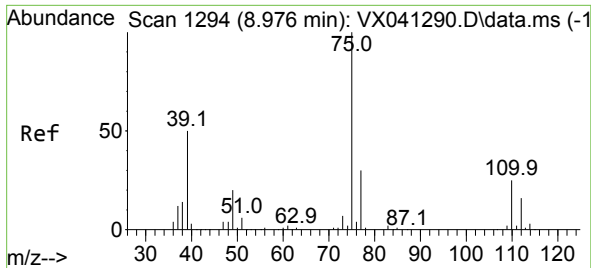
Tgt Ion: 98 Resp: 328198
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.321 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

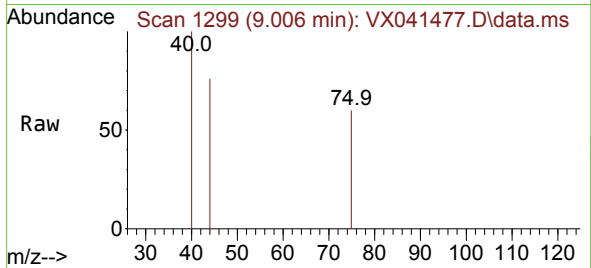
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6



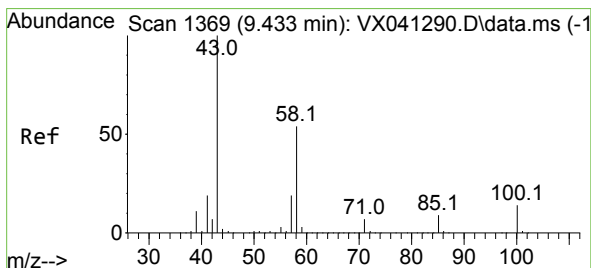
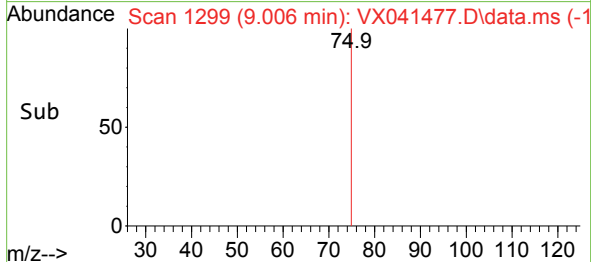
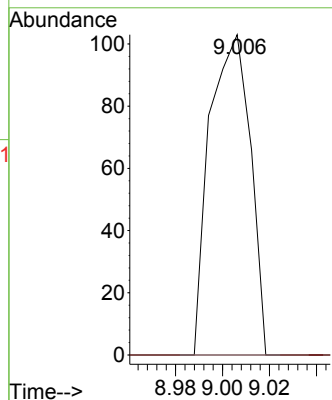


#53
 t-1,3-Dichloropropene
 Concen: 2.487 ug/l
 RT: 9.006 min Scan# 11
 Delta R.T. 0.030 min
 Lab File: VX041477.D
 Acq: 13 May 2024 09:38

Instrument :
 MSVOA_X
 ClientSampleId :

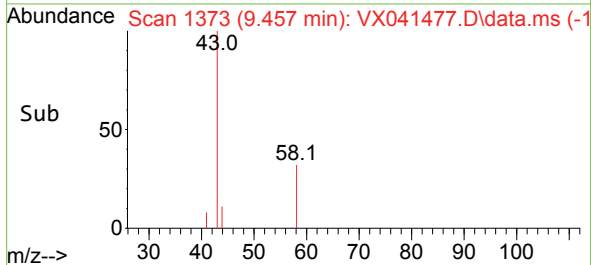
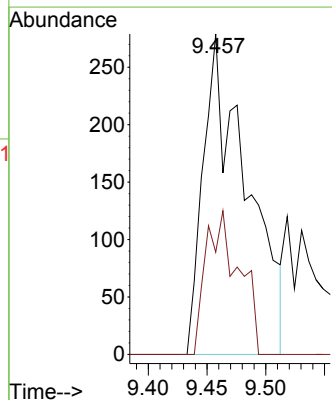
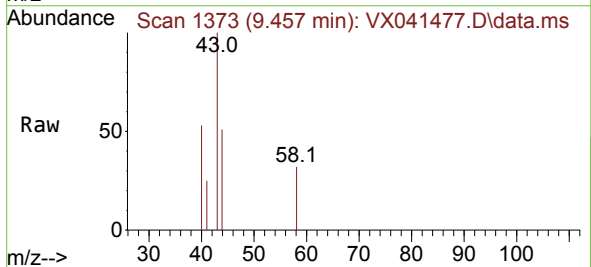


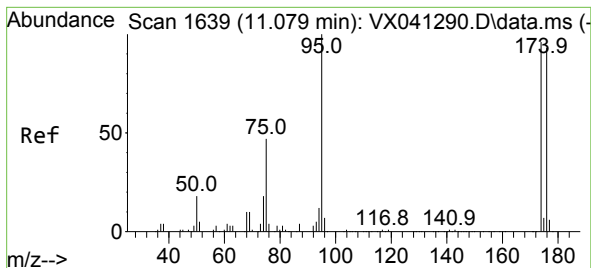
Tgt Ion: 75 Resp: 124
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 0.351 ug/l
 RT: 9.457 min Scan# 1373
 Delta R.T. 0.024 min
 Lab File: VX041477.D
 Acq: 13 May 2024 09:38

Tgt Ion: 43 Resp: 719
 Ion Ratio Lower Upper
 43 100
 58 34.1 26.2 78.5

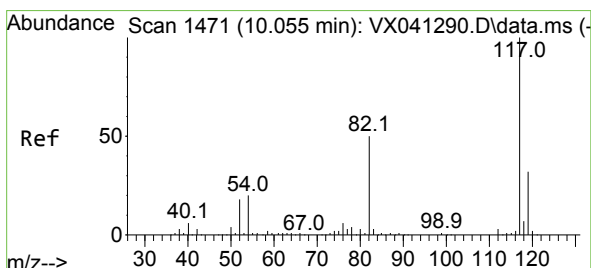
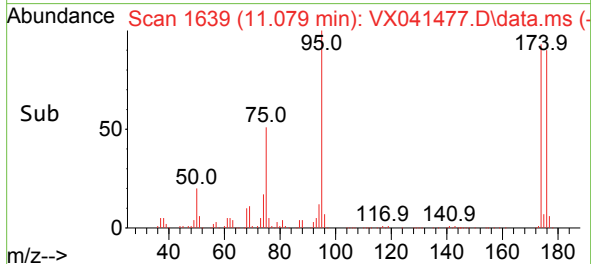
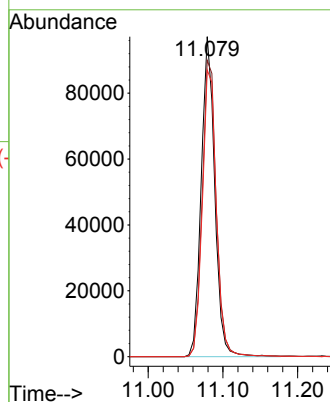
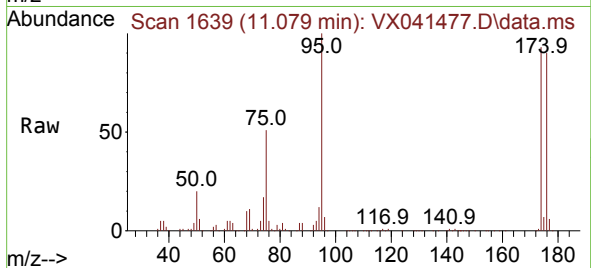




#62
4-Bromofluorobenzene
Concen: 52.332 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

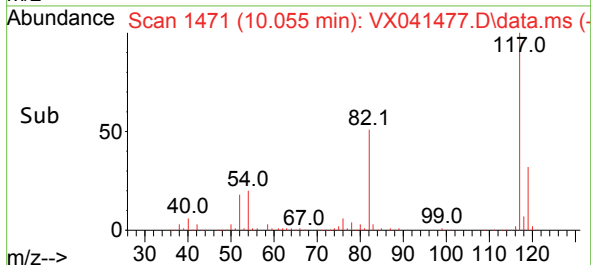
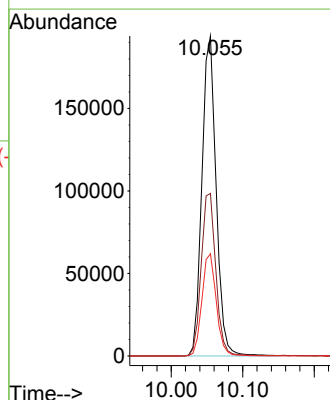
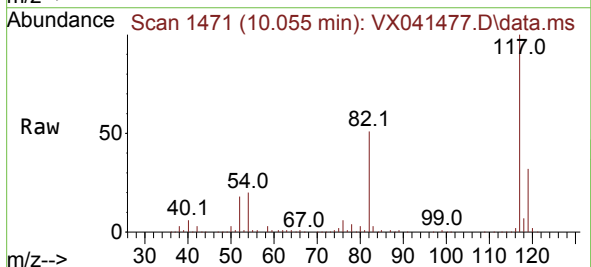
Instrument :
MSVOA_X
ClientSampleId :

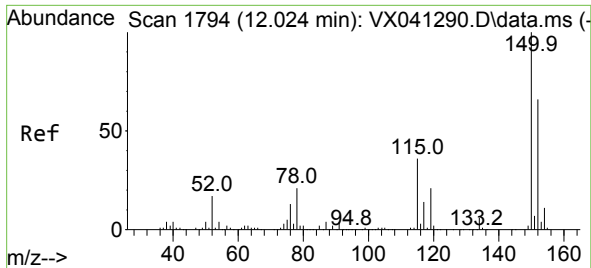
Tgt Ion: 95 Resp: 121861
Ion Ratio Lower Upper
95 100
174 97.1 0.0 135.6
176 93.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

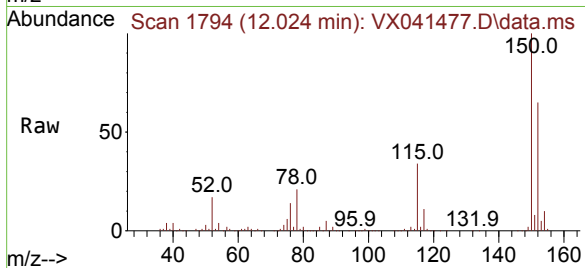
Tgt Ion: 117 Resp: 268001
Ion Ratio Lower Upper
117 100
82 50.8 46.2 69.4
119 32.0 25.5 38.3



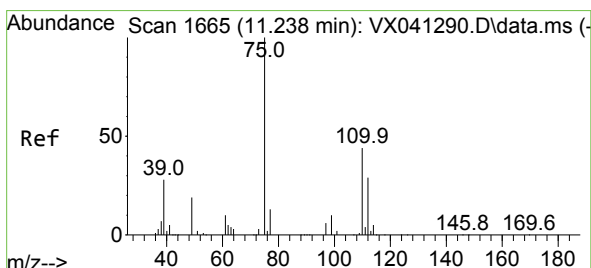
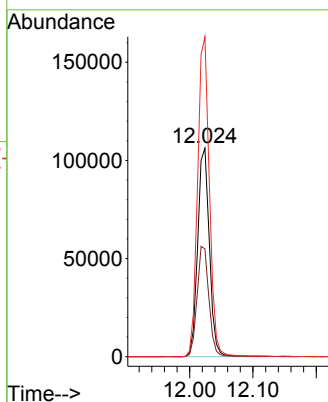
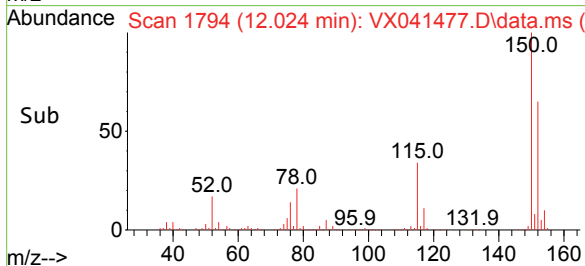


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Instrument :
MSVOA_X
ClientSampleId :

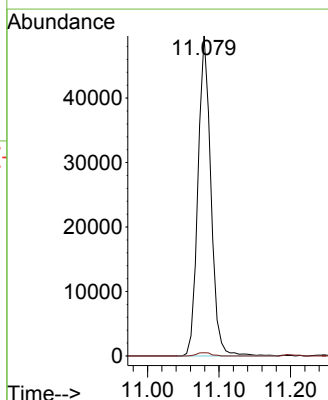
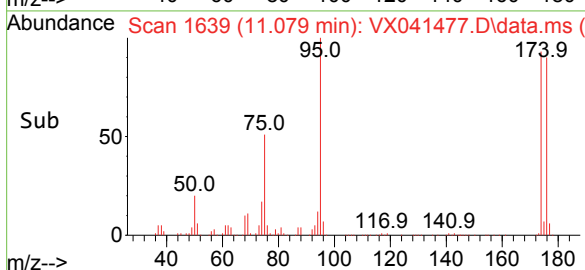
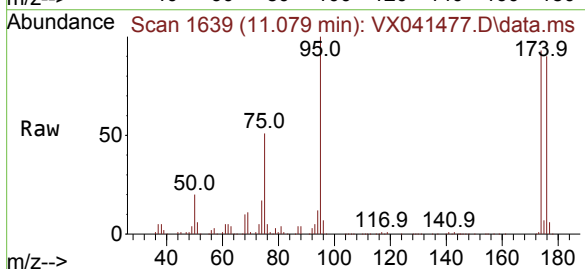


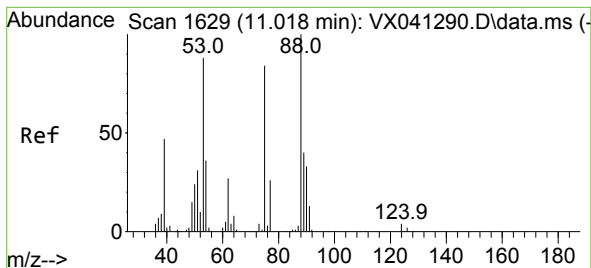
Tgt Ion:152 Resp: 137185
Ion Ratio Lower Upper
152 100
115 53.5 43.3 129.9
150 154.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 27.817 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion: 75 Resp: 62191
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

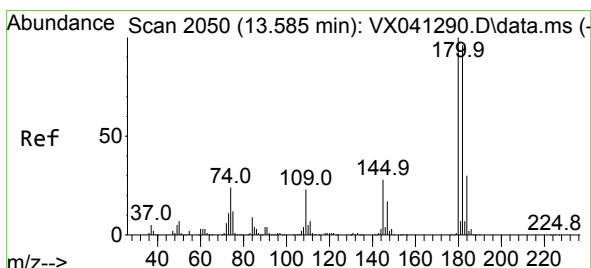
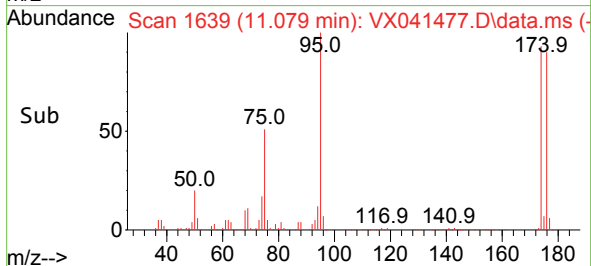
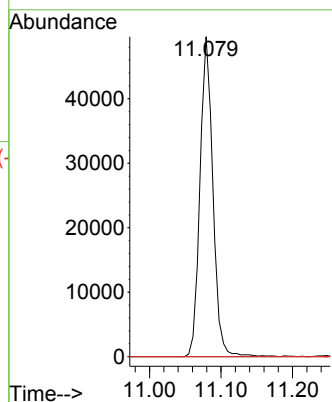
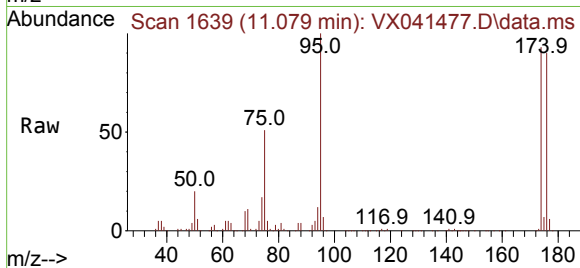




#81
trans-1,4-Dichloro-2-butene
Concen: 75.771 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

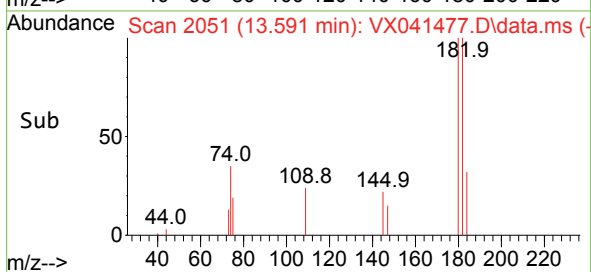
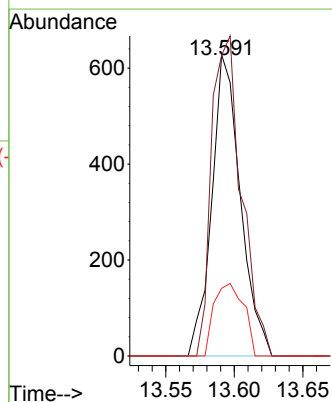
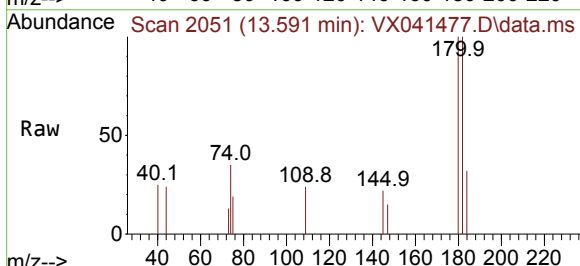
Instrument :
MSVOA_X
ClientSampleId :

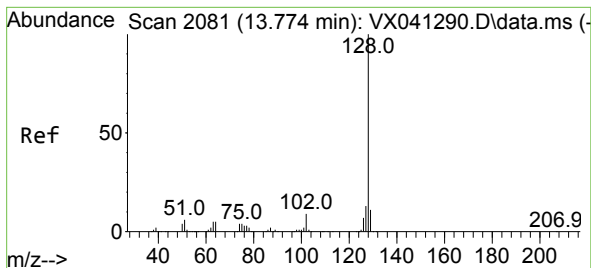
Tgt Ion: 75 Resp: 62191
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.288 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041477.D
Acq: 13 May 2024 09:38

Tgt Ion:180 Resp: 913
Ion Ratio Lower Upper
180 100
182 110.4 48.3 144.8
145 24.9 18.0 54.0





#95

Naphthalene

Concen: 0.378 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

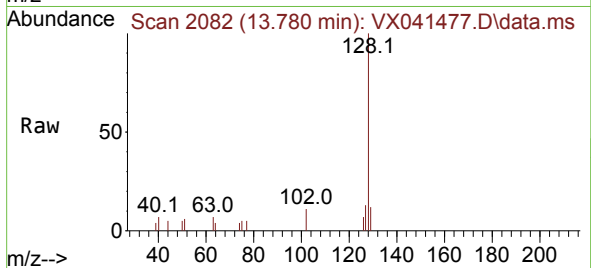
Lab File: VX041477.D

Acq: 13 May 2024 09:38

Instrument :

MSVOA_X

ClientSampleId :



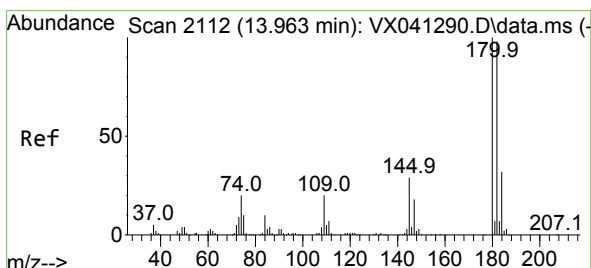
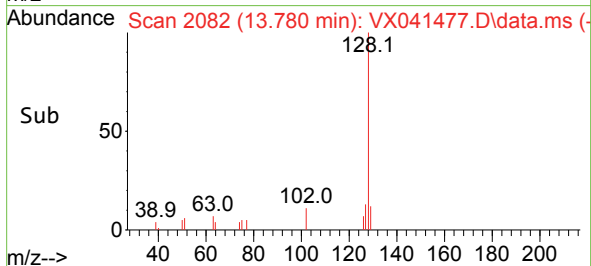
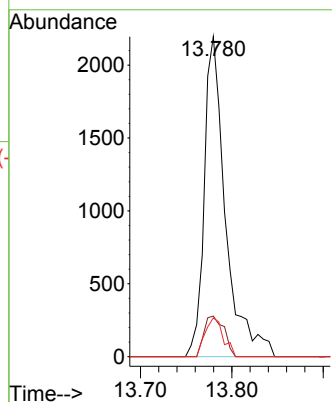
Tgt Ion:128 Resp: 3555

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 10.3 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.278 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX041477.D

Acq: 13 May 2024 09:38

Tgt Ion:180 Resp: 902

Ion Ratio Lower Upper

180 100

182 116.4 46.9 140.6

145 29.2 17.8 53.5

