

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051424\
 Data File : VX041507.D
 Acq On : 14 May 2024 10:08
 Operator : JC/MD
 Sample : VX0514MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBL01

Quant Time: May 15 00:54:59 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)

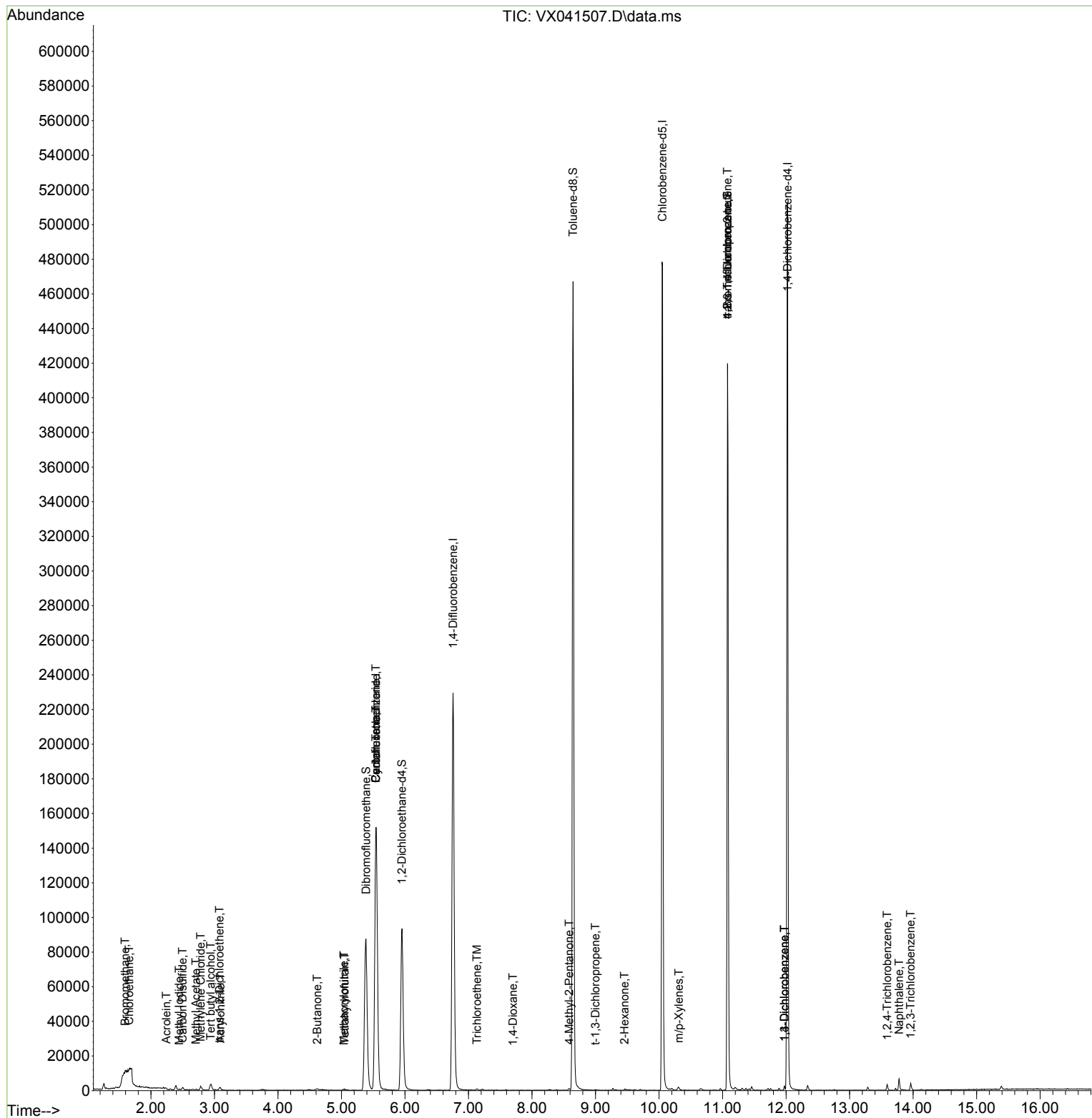
Internal Standards						
1) Pentafluorobenzene	5.544	168	164484	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	245290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91868	51.305	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.600%			
35) Dibromofluoromethane	5.385	113	76286	45.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.780%			
50) Toluene-d8	8.647	98	281297	53.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.940%			
62) 4-Bromofluorobenzene	11.079	95	105322	51.714	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds						Qvalue
5) Bromomethane	1.593	94	746	0.893	ug/l	# 62
6) Chloroethane	1.654	64	230	0.372	ug/l	# 68
10) Methyl Iodide	2.447	142	544	0.391	ug/l	# 64
11) Tert butyl alcohol	2.940	59	2187	6.102	ug/l	# 78
13) Acrolein	2.239	56	314	1.104	ug/l	# 89
15) Acrylonitrile	3.093	53	869	1.062	ug/l	# 91
16) Acetone	2.392	43	2886	Below Cal	#	89
17) Carbon Disulfide	2.495	76	1817	0.606	ug/l	98
18) Methyl Acetate	2.709	43	531	0.290	ug/l	# 88
20) Methylene Chloride	2.782	84	1113	0.716	ug/l	# 87
21) trans-1,2-Dichloroethene	3.081	96	439	0.308	ug/l	# 65
25) 2-Butanone	4.617	43	816	0.704	ug/l	# 51
29) Tetrahydrofuran	5.050	42	549	0.724	ug/l	# 62
31) Cyclohexane	5.544	56	2988	1.383	ug/l	# 1
38) Carbon Tetrachloride	5.544	117	14400	6.324	ug/l	# 14
41) Methacrylonitrile	5.038	41	268	0.210	ug/l	# 25
44) Trichloroethene	7.135	130	368	0.227	ug/l	70
49) 1,4-Dioxane	7.702	88	20	0.541	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.586	43	803	0.359	ug/l	88
53) t-1,3-Dichloropropene	9.000	75	254	2.549	ug/l	# 43
59) 2-Hexanone	9.457	43	704	0.393	ug/l	96
68) m/p-Xylenes	10.311	106	645	0.208	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	53956	28.345	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	53956	77.208	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	994	0.272	ug/l	94
88) 1,4-Dichlorobenzene	11.975	146	994	0.264	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1197	0.443	ug/l	94
95) Naphthalene	13.780	128	5253	0.656	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1491	0.540	ug/l	94

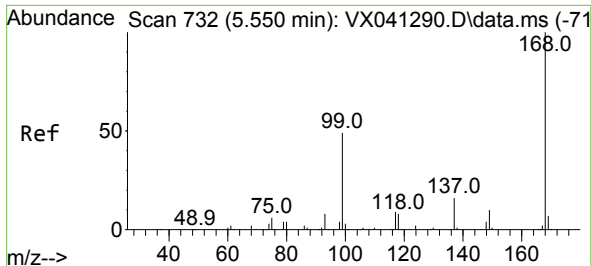
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051424\
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Sample : VX0514MBL01
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Instrument :
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ClientSampleId :
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Quant Time: May 15 00:54:59 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

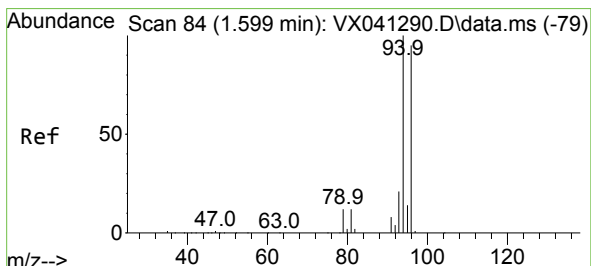
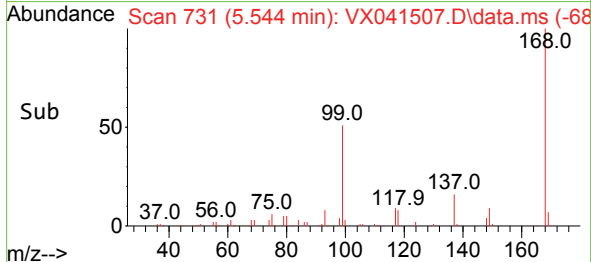
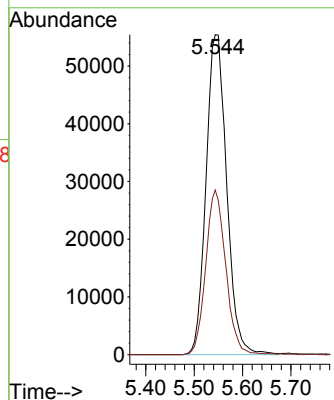
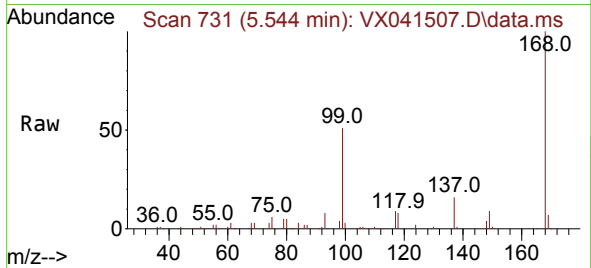




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

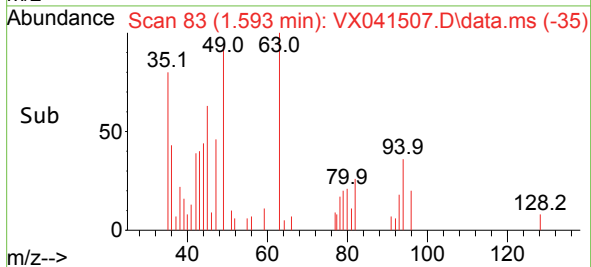
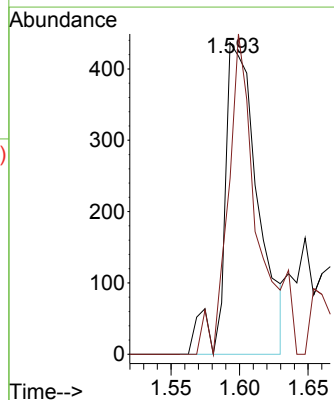
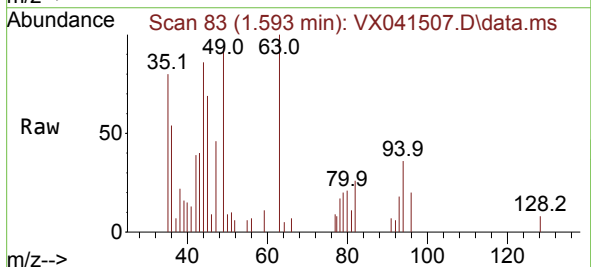
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

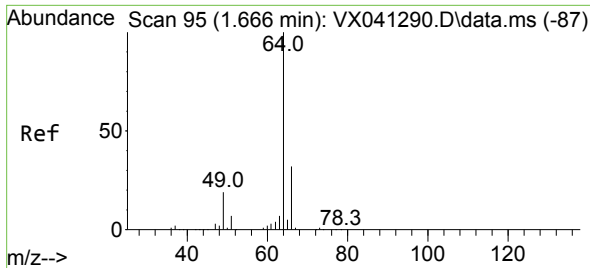
Tgt Ion:168 Resp: 164484
Ion Ratio Lower Upper
168 100
99 51.4 56.6 85.0#



#5
Bromomethane
Concen: 0.893 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 56.5 74.6 111.8#

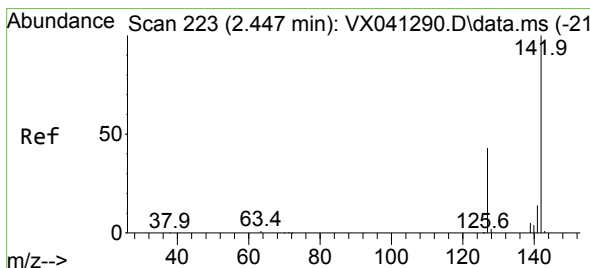
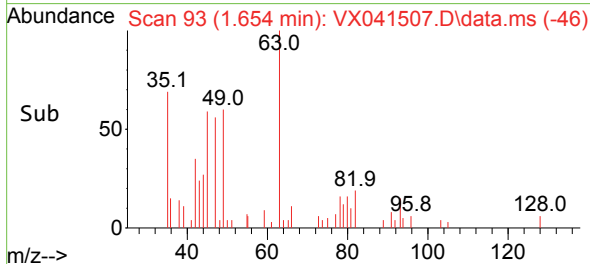
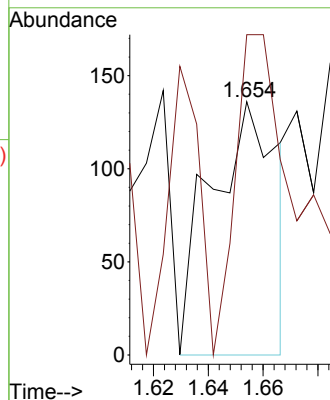
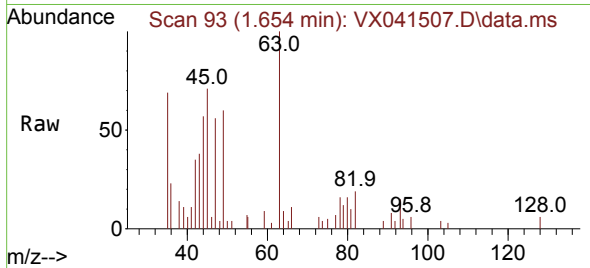




#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

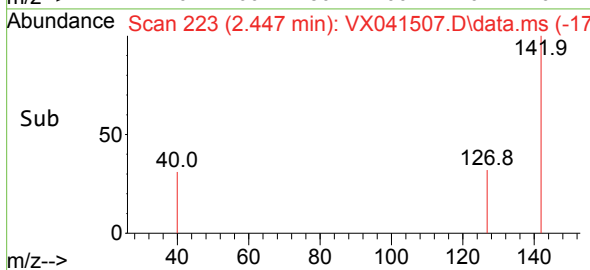
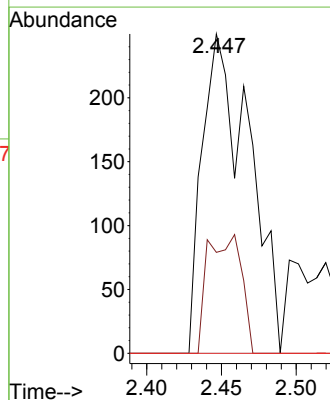
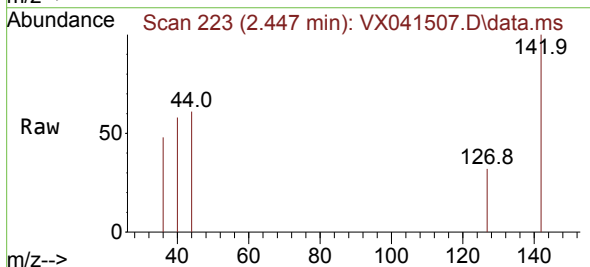
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

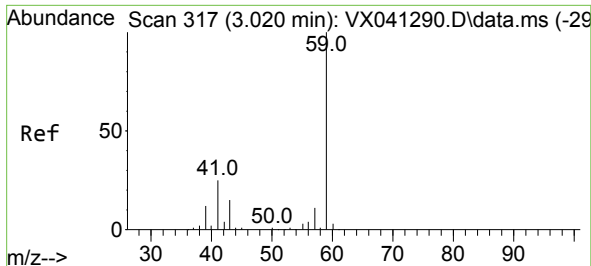
Tgt Ion: 64 Resp: 230
Ion Ratio Lower Upper
64 100
66 49.3 25.1 37.7#



#10
Methyl Iodide
Concen: 0.391 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 142 Resp: 544
Ion Ratio Lower Upper
142 100
127 26.8 41.6 62.4#
141 0.0 11.6 17.4#

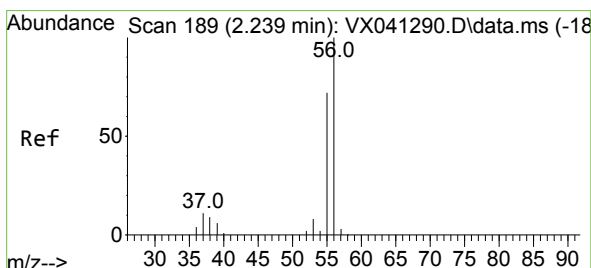
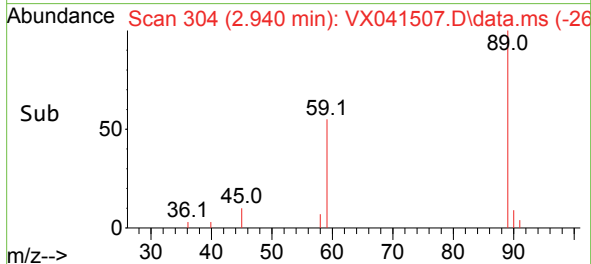
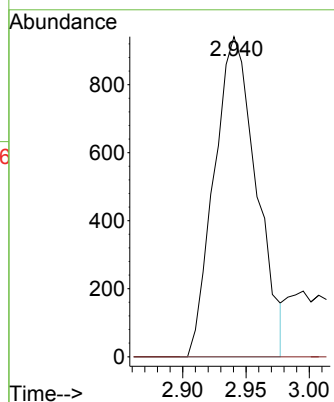
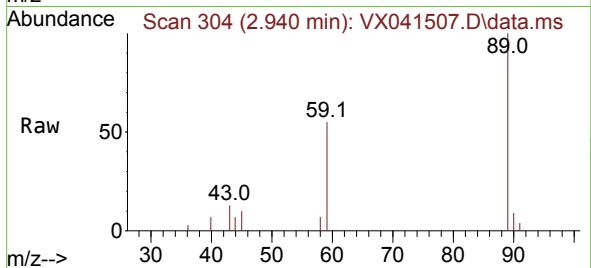




#11
Tert butyl alcohol
Concen: 6.102 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

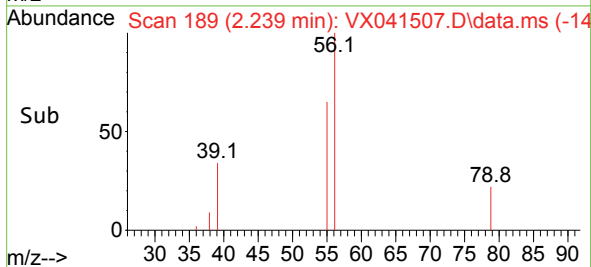
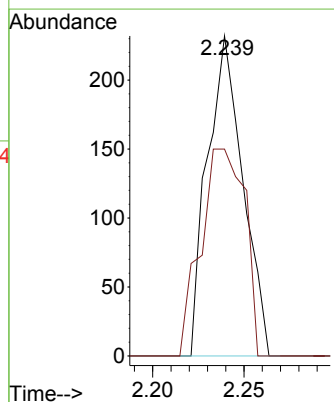
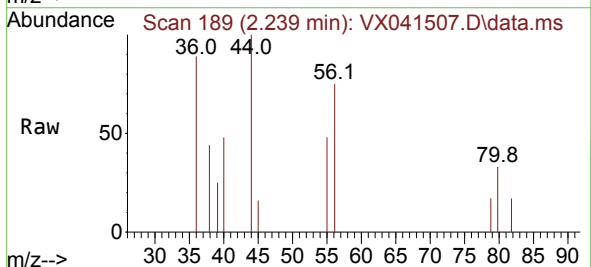
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

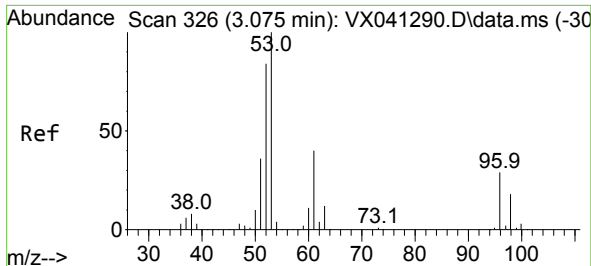
Tgt Ion: 59 Resp: 2187
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 1.104 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 80.3 57.1 85.7





#15

Acrylonitrile

Concen: 1.062 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01

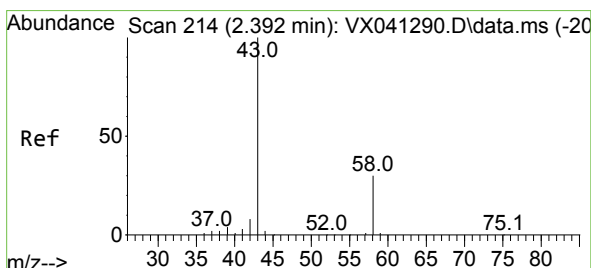
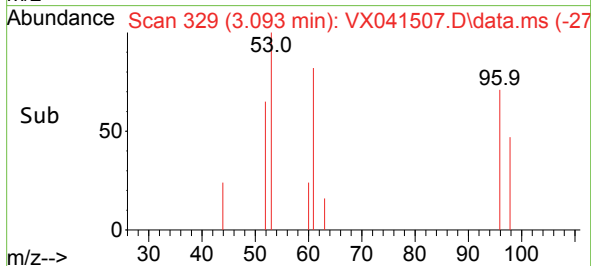
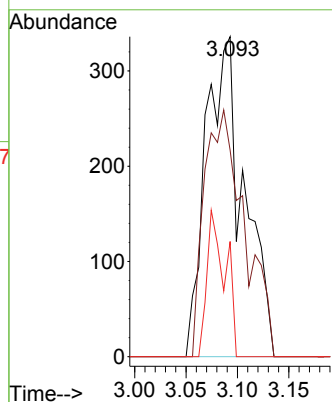
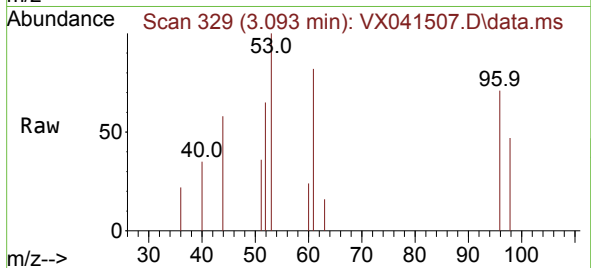
Tgt Ion: 53 Resp: 869

Ion Ratio Lower Upper

53 100

52 80.7 66.0 99.0

51 21.9 29.8 44.6#



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041507.D

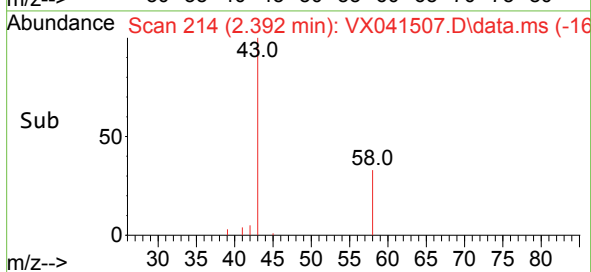
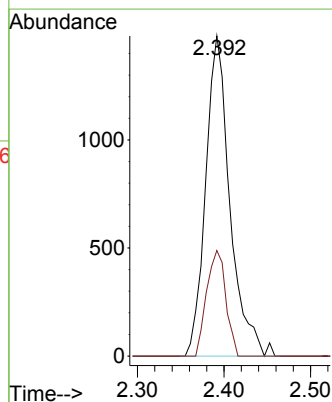
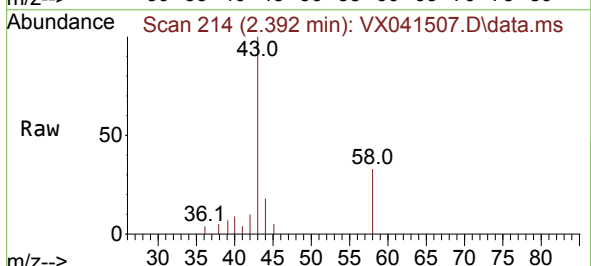
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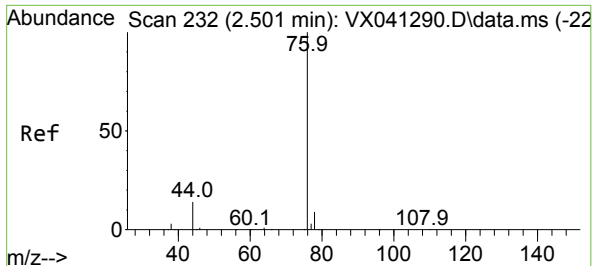
Tgt Ion: 43 Resp: 2886

Ion Ratio Lower Upper

43 100

58 33.0 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.606 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

Instrument :

MSVOA_X

ClientSampleId :

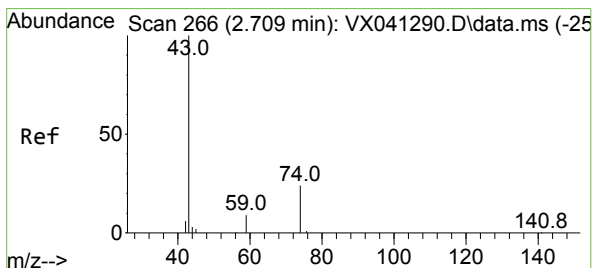
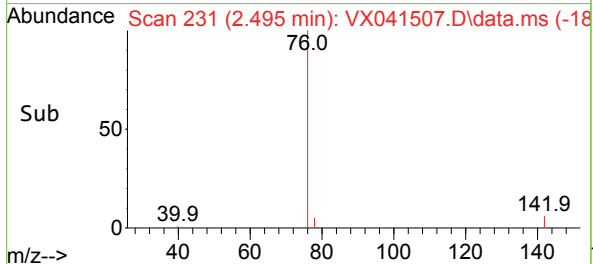
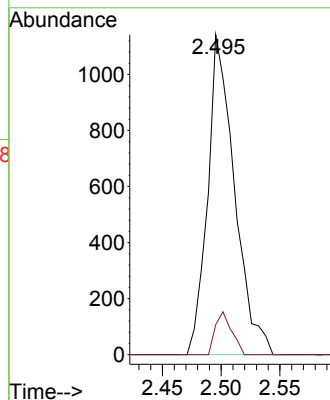
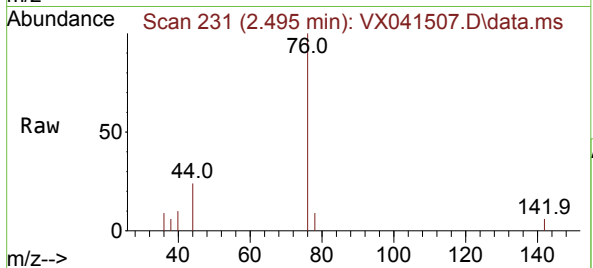
VX0514MBL01

Tgt Ion: 76 Resp: 1817

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



#18

Methyl Acetate

Concen: 0.290 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX041507.D

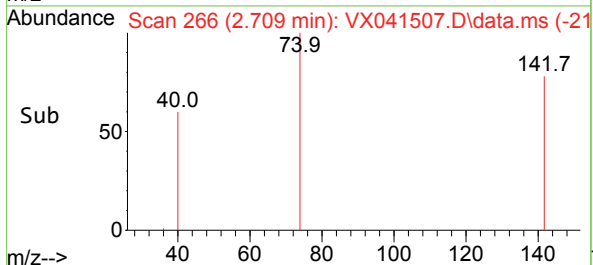
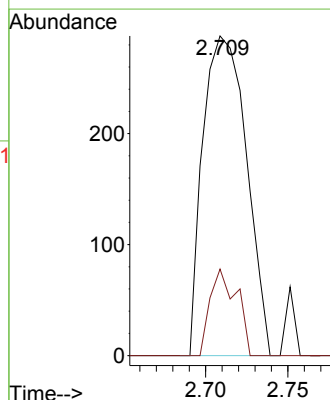
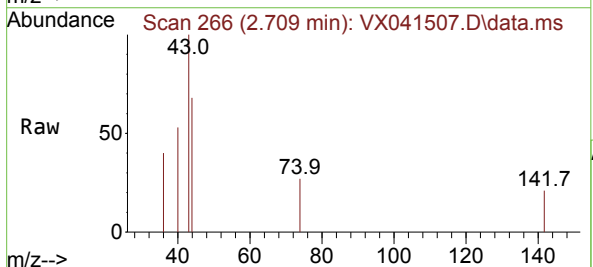
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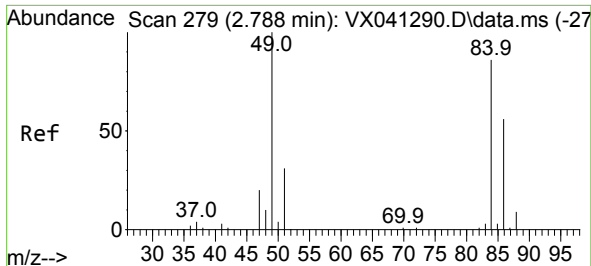
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

74 16.6 17.8 26.8#

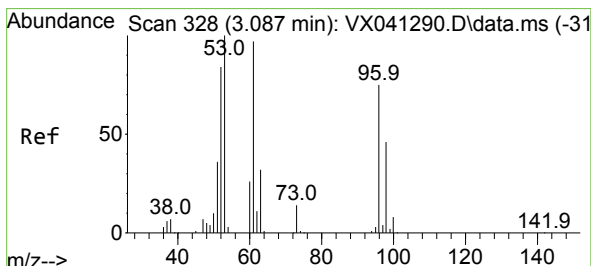
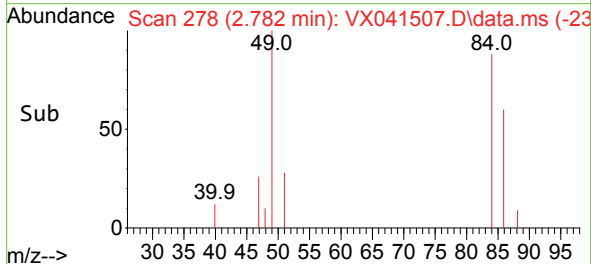
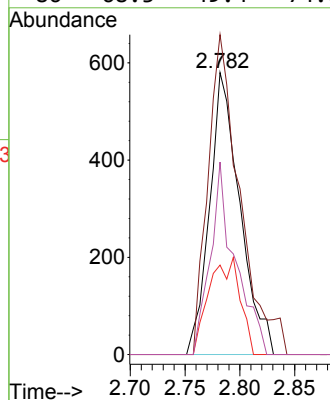
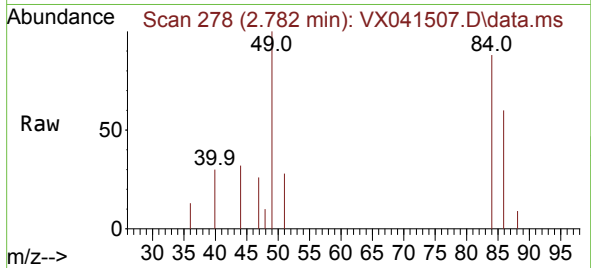




#20
Methylene Chloride
Concen: 0.716 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

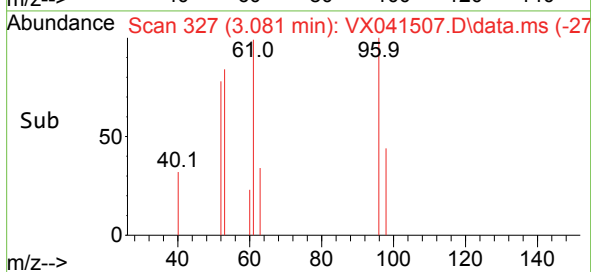
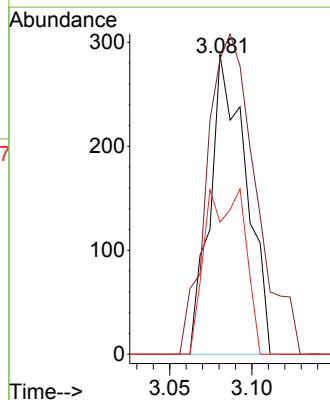
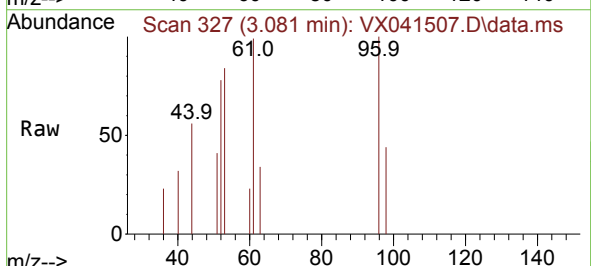
Instrument :
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VX0514MBL01

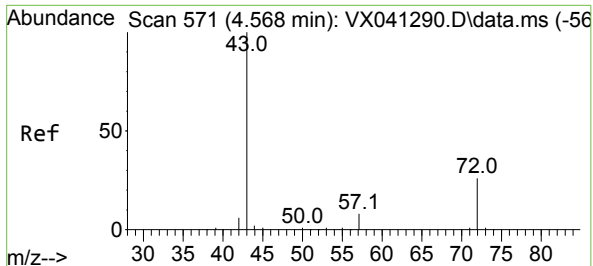
Tgt Ion: 84 Resp: 1113
Ion Ratio Lower Upper
84 100
49 113.4 103.6 155.4
51 31.7 33.8 50.6#
86 68.3 49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.308 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 96 Resp: 439
Ion Ratio Lower Upper
96 100
61 98.6 119.2 178.8#
98 44.1 48.7 73.1#

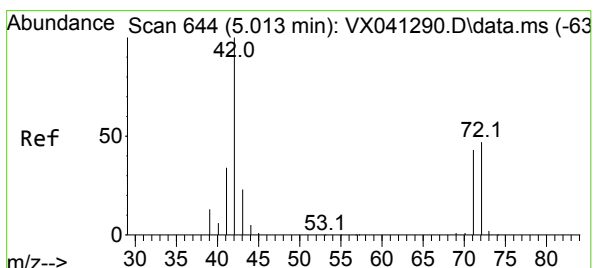
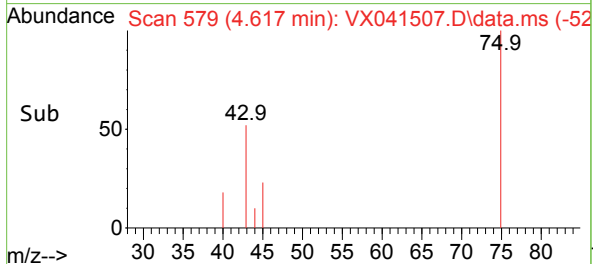
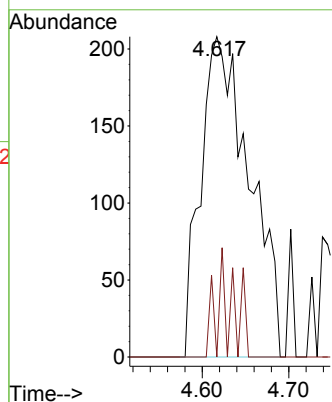
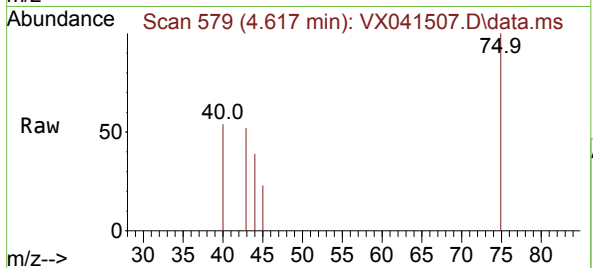




#25
2-Butanone
Concen: 0.704 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

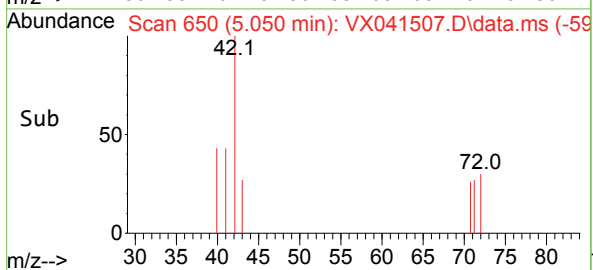
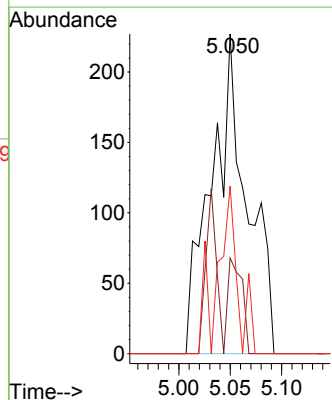
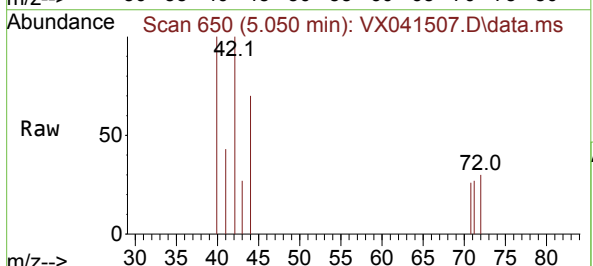
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

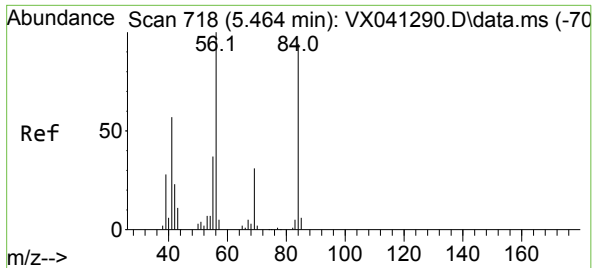
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.724 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.037 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

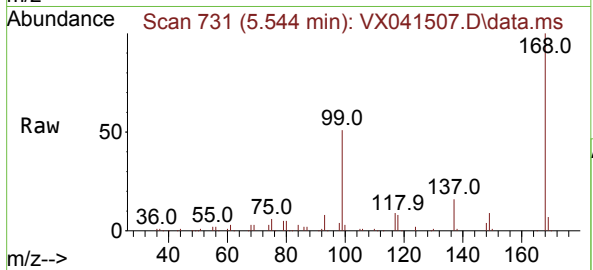
Tgt Ion: 42 Resp: 549
Ion Ratio Lower Upper
42 100
72 11.8 34.2 51.4#
71 24.2 32.2 48.2#



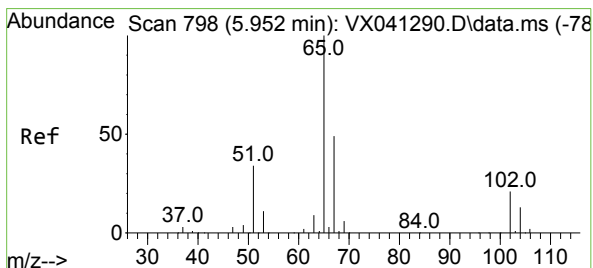
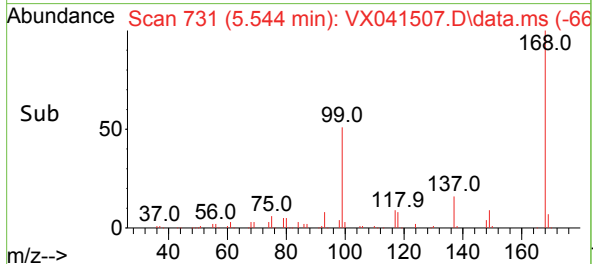
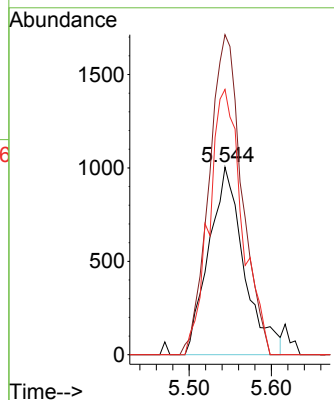


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

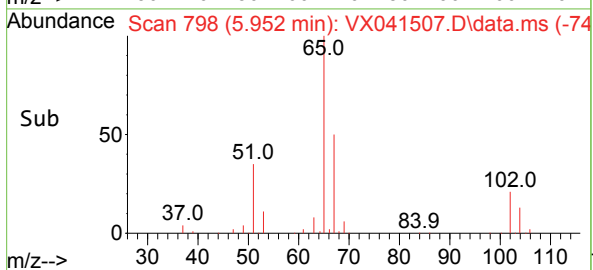
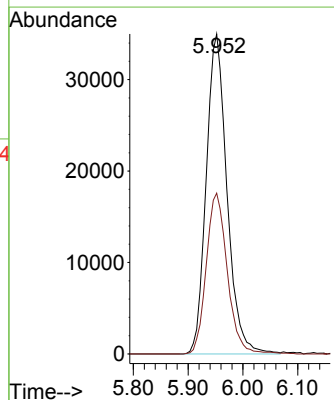
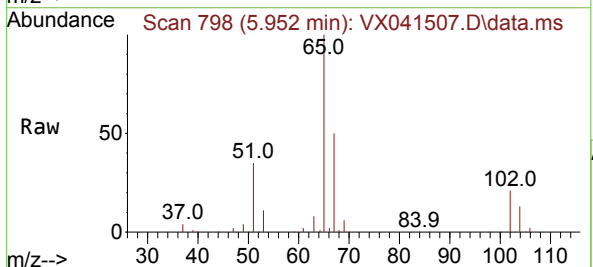


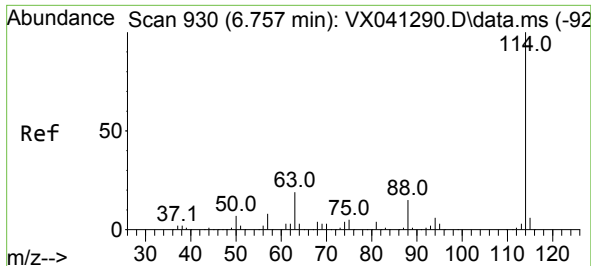
Tgt Ion: 56 Resp: 2988
Ion Ratio Lower Upper
56 100
69 170.6 23.4 35.2#
84 141.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.305 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 65 Resp: 91868
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

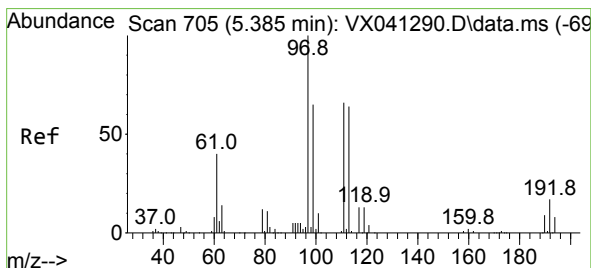
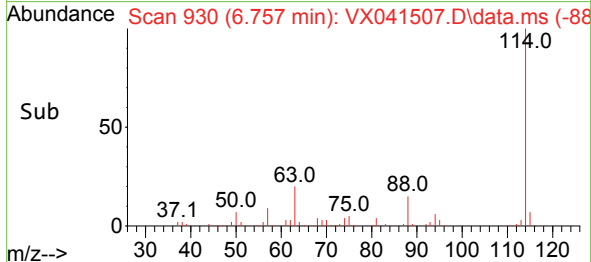
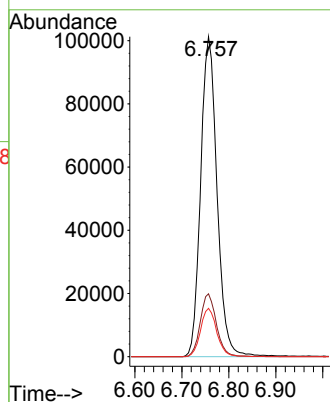
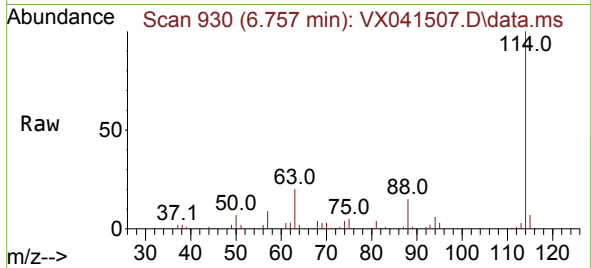




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

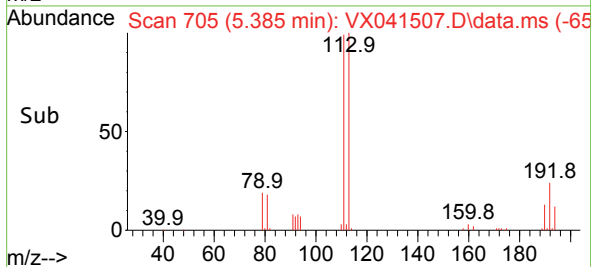
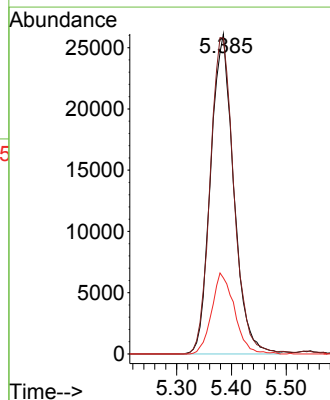
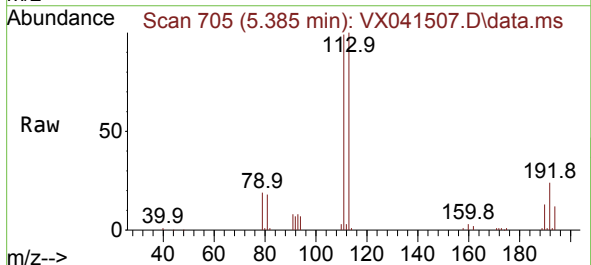
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

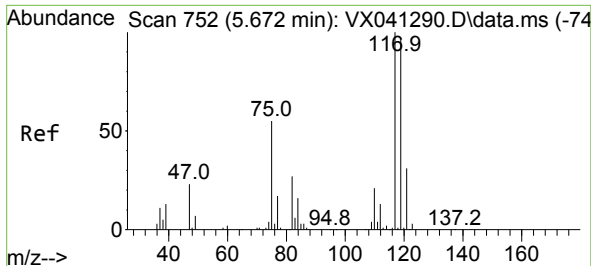
Tgt Ion:114 Resp: 245290
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.893 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

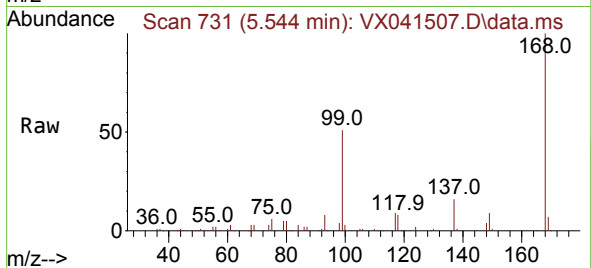
Tgt Ion:113 Resp: 76286
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 25.0 13.3 19.9#



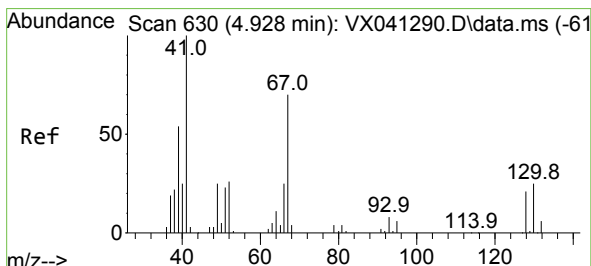
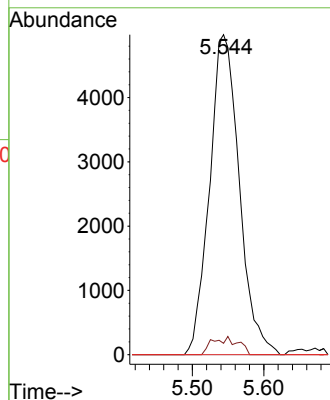
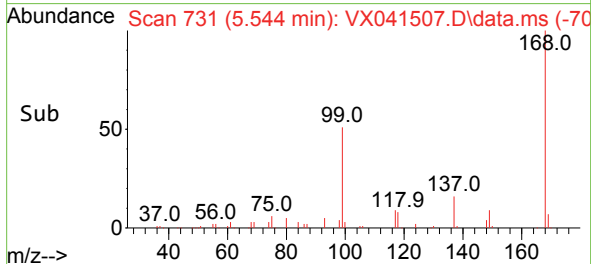


#38
Carbon Tetrachloride
Concen: 6.324 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

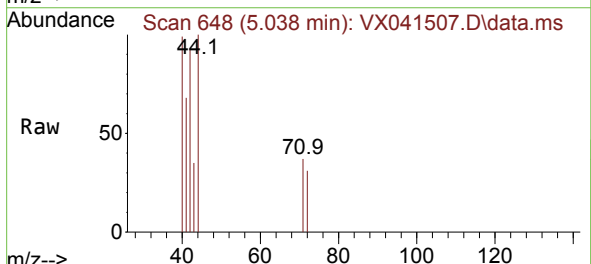
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01



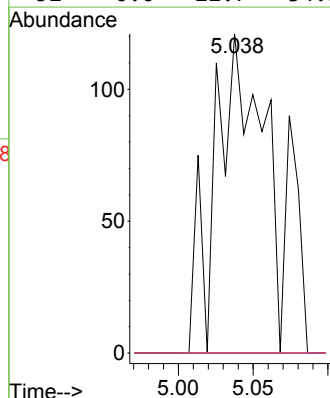
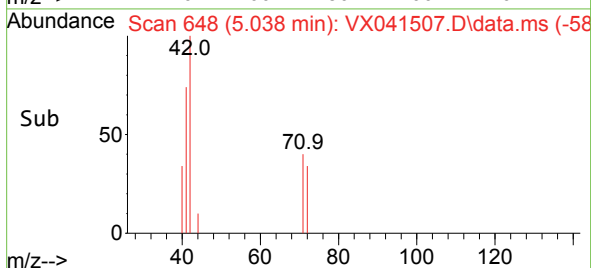
Tgt Ion:117 Resp: 14400
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#

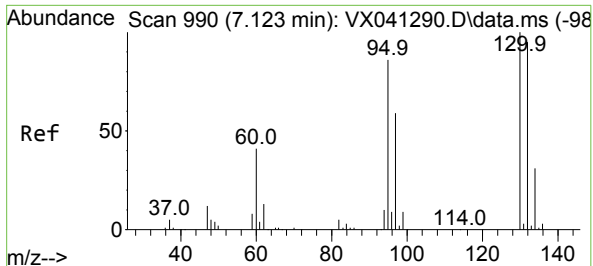


#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08



Tgt Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

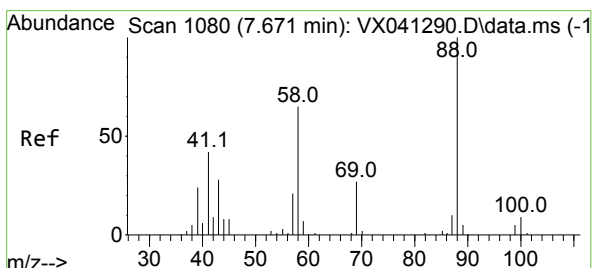
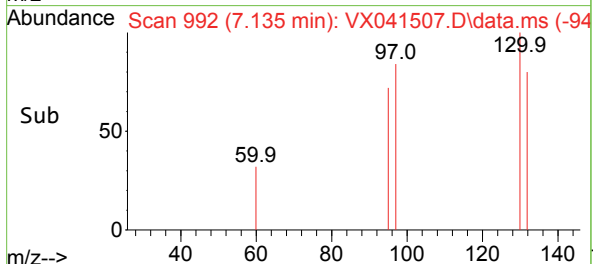
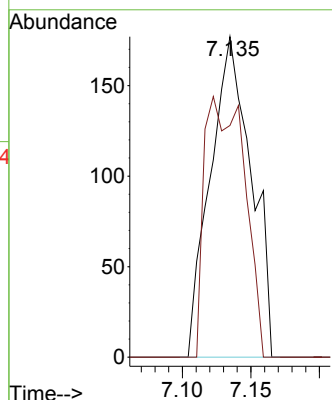
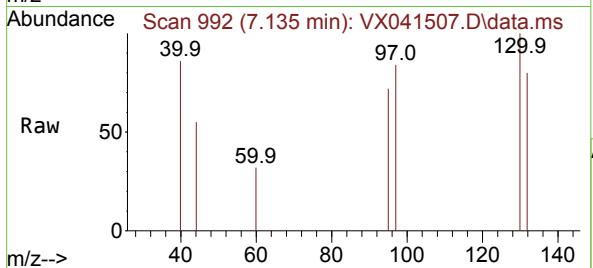




#44
Trichloroethene
Concen: 0.227 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

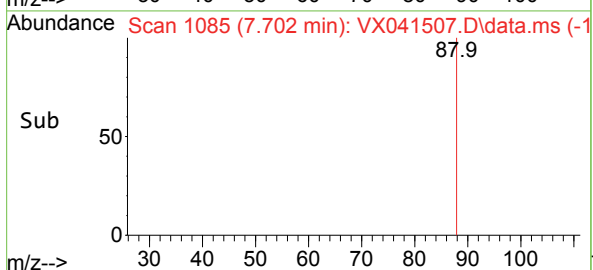
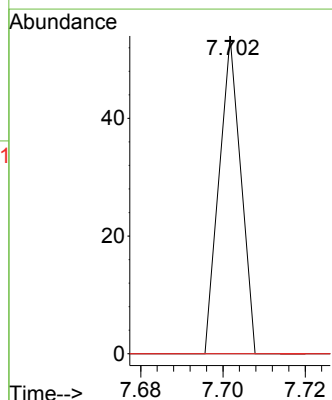
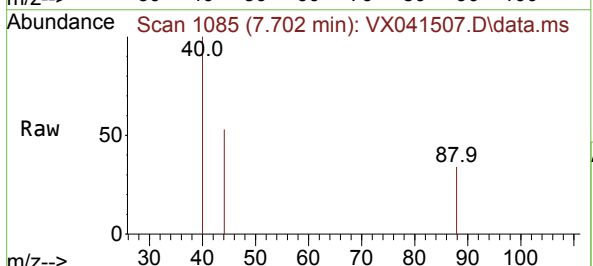
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

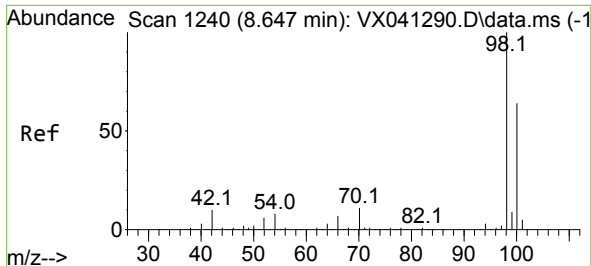
Tgt Ion:130 Resp: 368
Ion Ratio Lower Upper
130 100
95 72.3 0.0 204.4



#49
1,4-Dioxane
Concen: 0.541 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.030 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

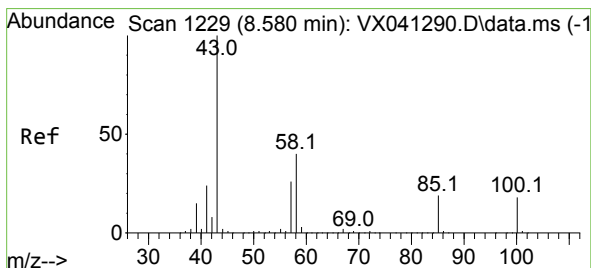
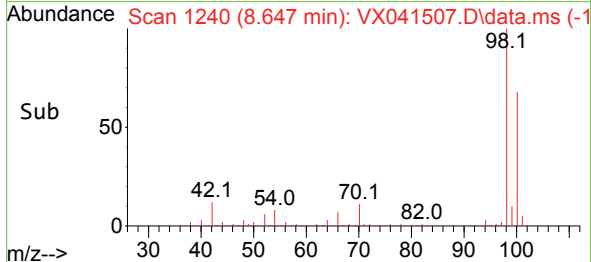
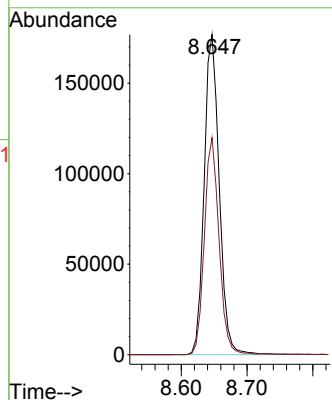
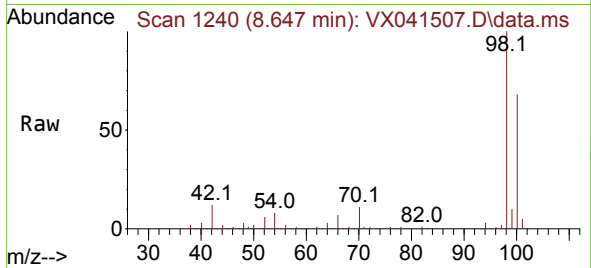




#50
Toluene-d8
Concen: 53.466 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

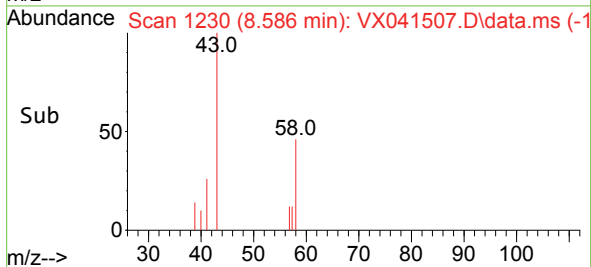
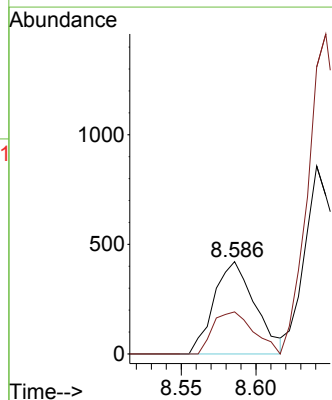
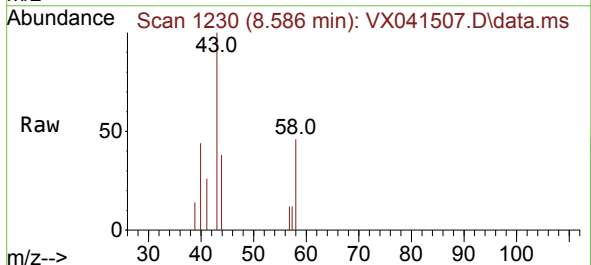
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

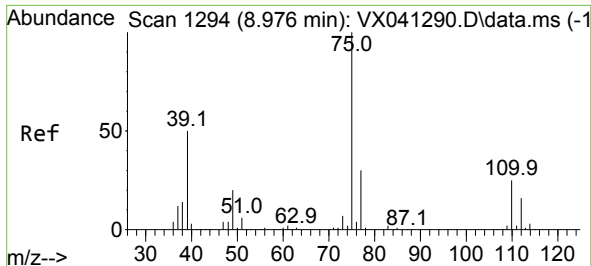
Tgt Ion: 98 Resp: 281297
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.359 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 45.0 30.4 45.6

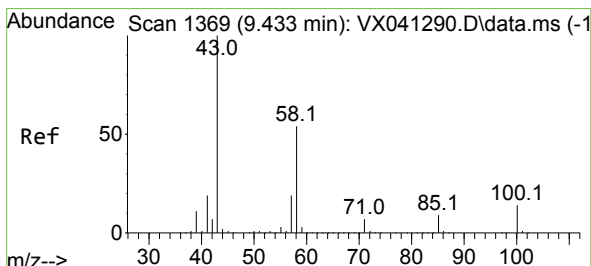
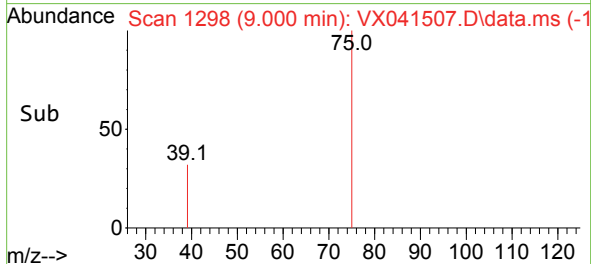
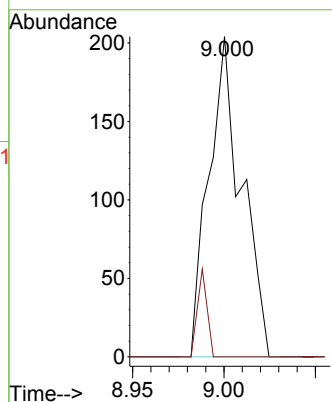
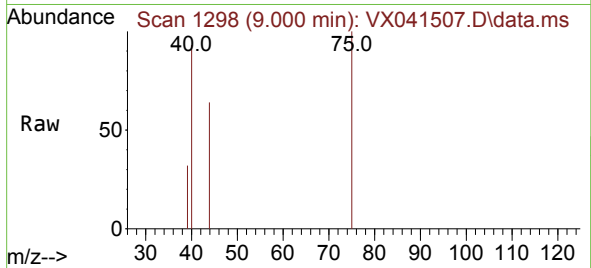




#53
t-1,3-Dichloropropene
Concen: 2.549 ug/l
RT: 9.000 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

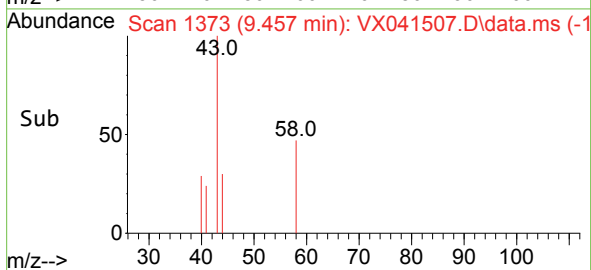
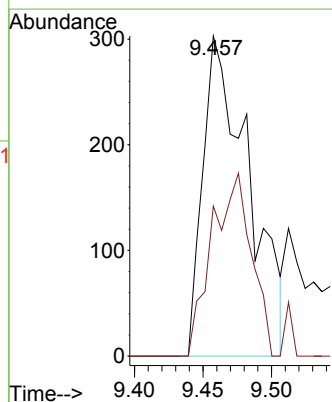
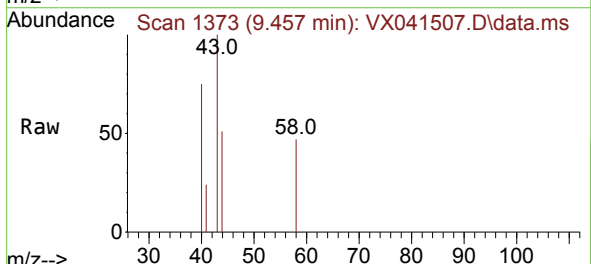
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

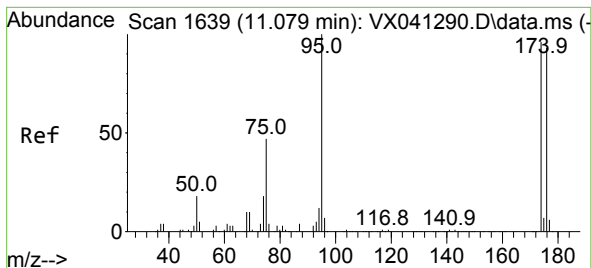
Tgt Ion: 75 Resp: 254
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 0.393 ug/l
RT: 9.457 min Scan# 1373
Delta R.T. 0.024 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 49.4 26.2 78.5

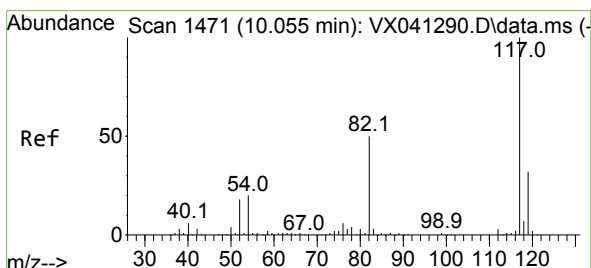
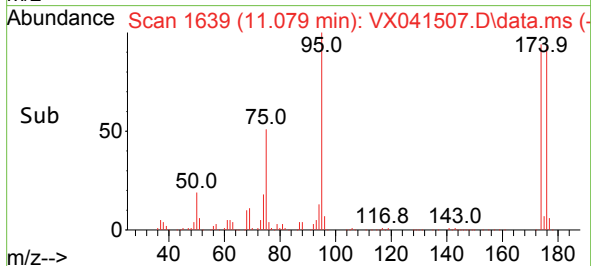
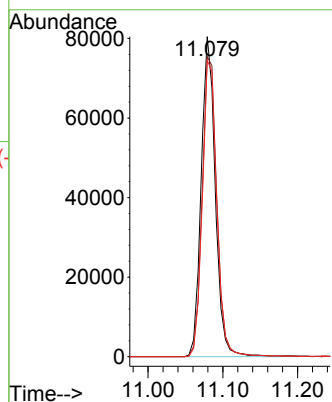
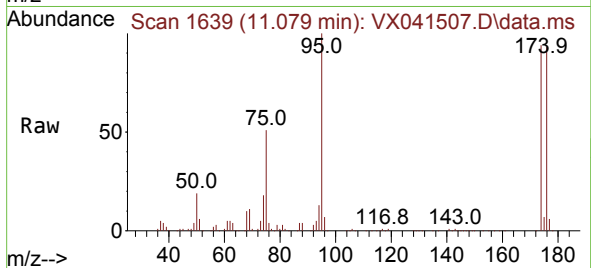




#62
4-Bromofluorobenzene
Concen: 51.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

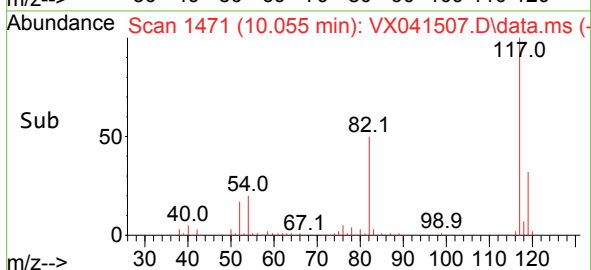
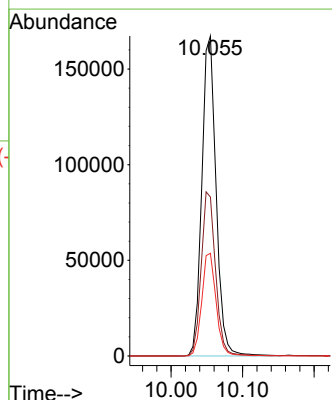
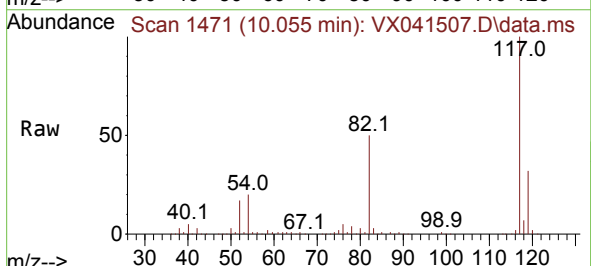
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

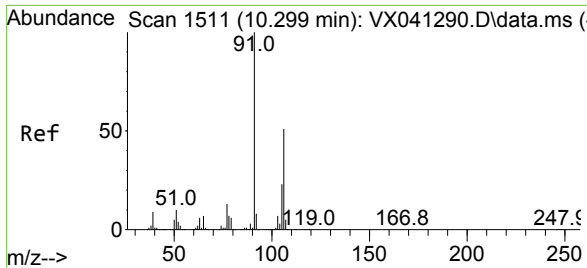
Tgt Ion: 95 Resp: 105322
Ion Ratio Lower Upper
95 100
174 98.0 0.0 135.6
176 95.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion: 117 Resp: 231697
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.1 25.5 38.3

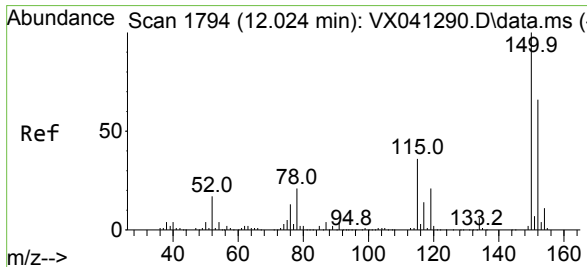
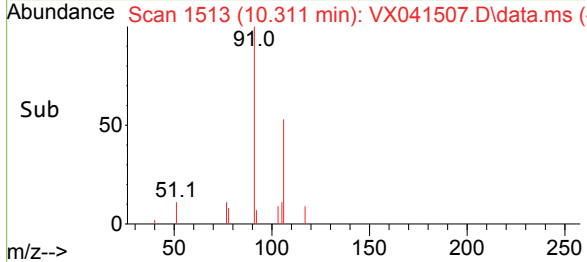
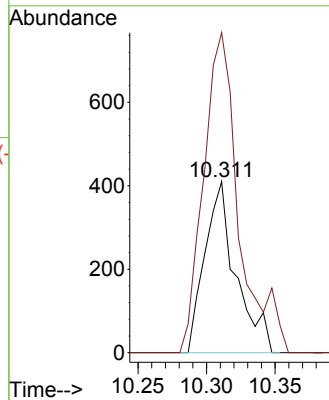
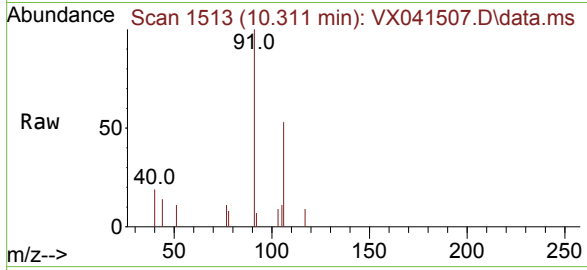




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

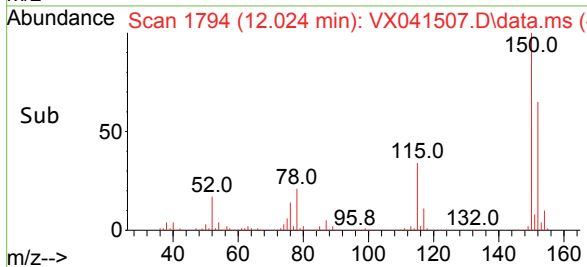
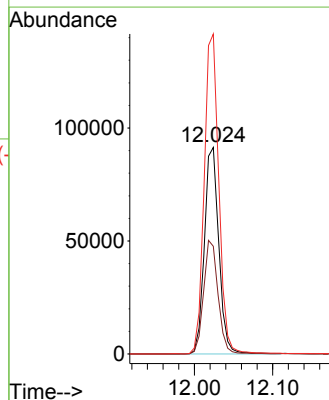
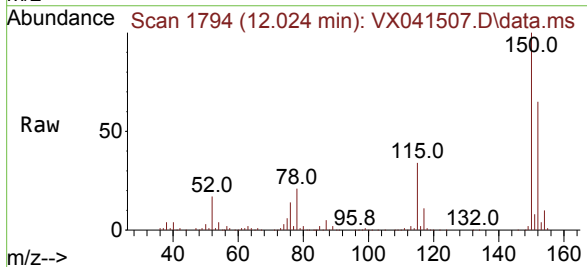
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

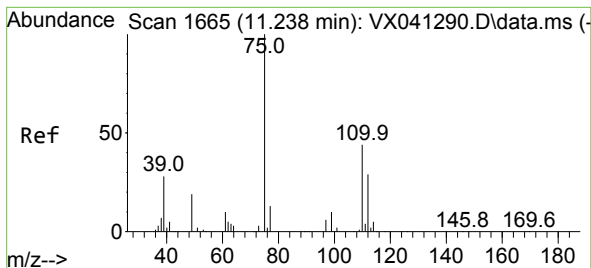
Tgt Ion:106 Resp: 645
Ion Ratio Lower Upper
106 100
91 213.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041507.D
Acq: 14 May 2024 10:08

Tgt Ion:152 Resp: 116805
Ion Ratio Lower Upper
152 100
115 55.2 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 28.345 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

Instrument :

MSVOA_X

ClientSampleId :

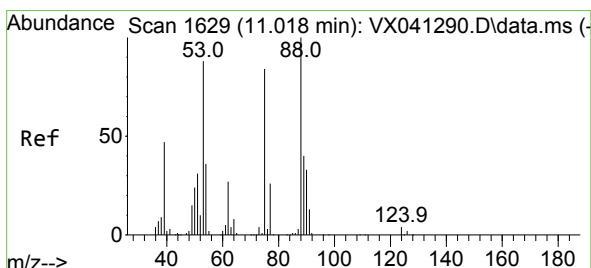
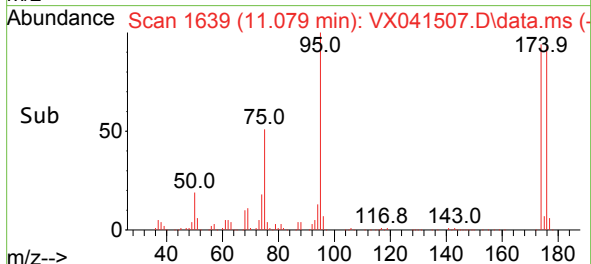
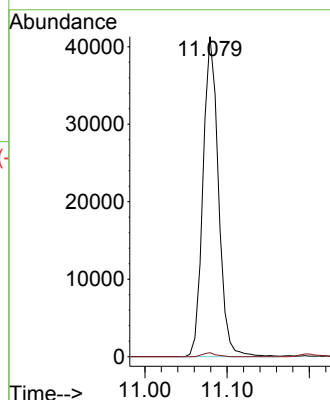
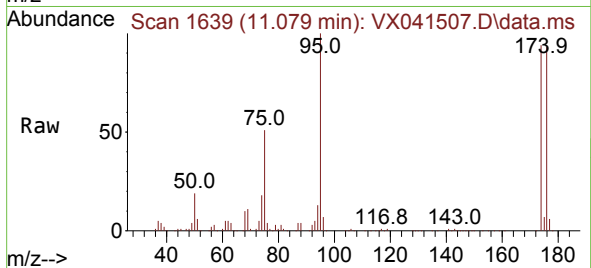
VX0514MBL01

Tgt Ion: 75 Resp: 53956

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.208 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

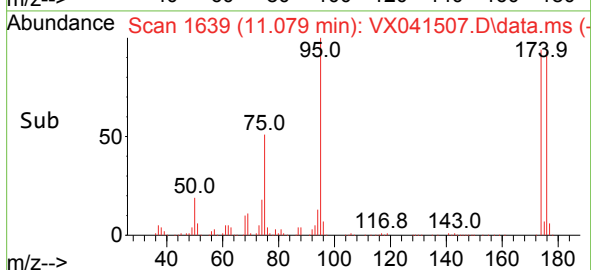
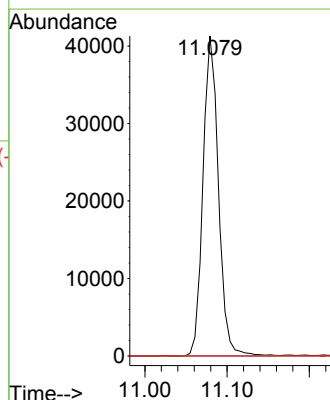
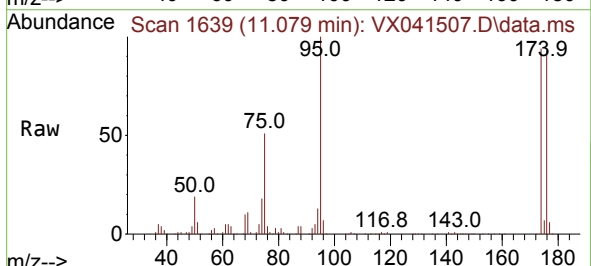
Tgt Ion: 75 Resp: 53956

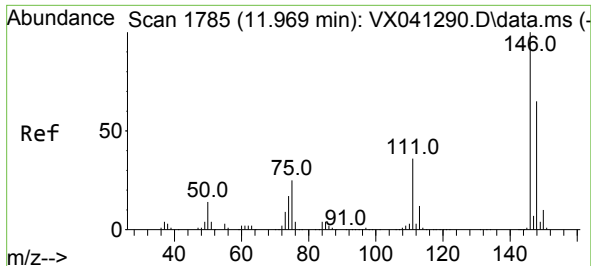
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.272 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01

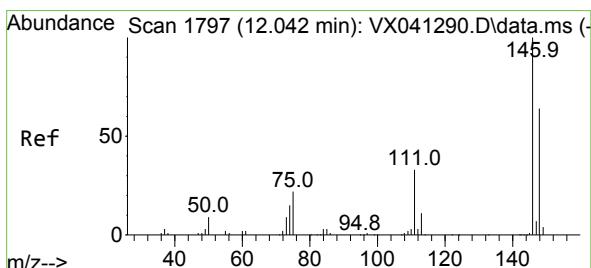
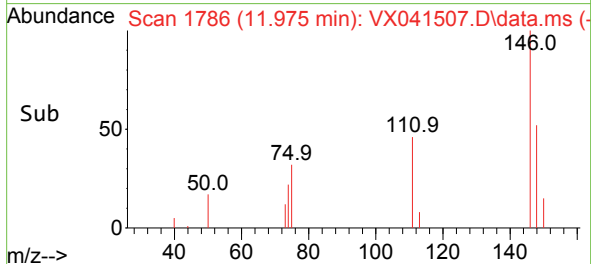
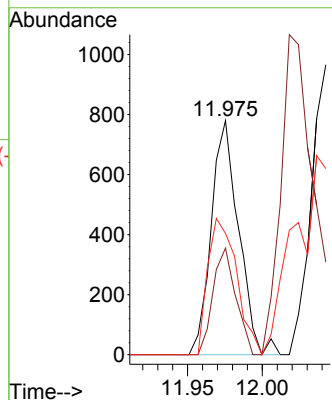
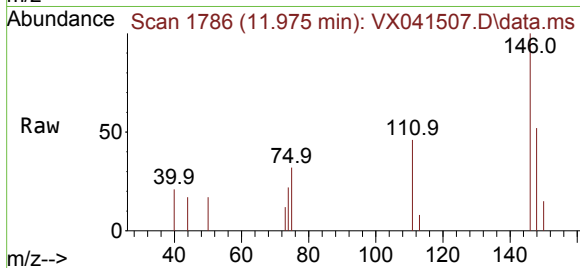
Tgt Ion:146 Resp: 994

Ion Ratio Lower Upper

146 100

111 38.0 22.1 66.1

148 61.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.264 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

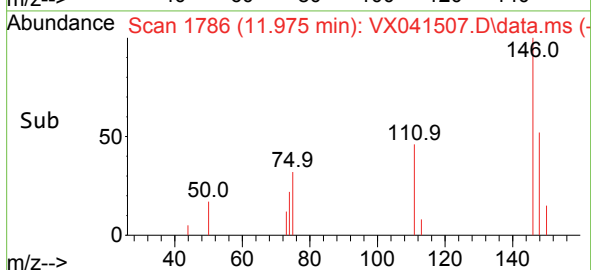
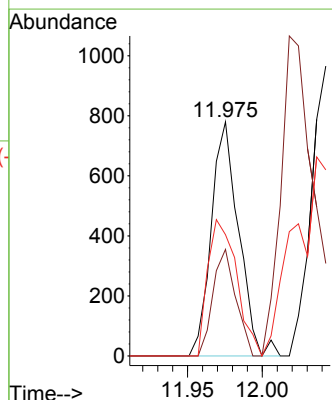
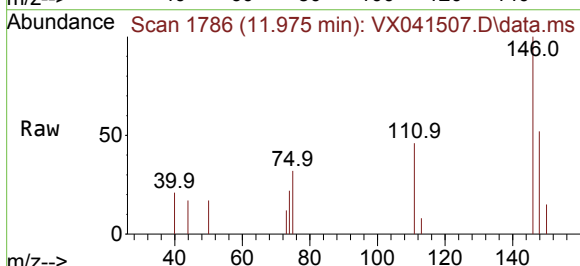
Tgt Ion:146 Resp: 994

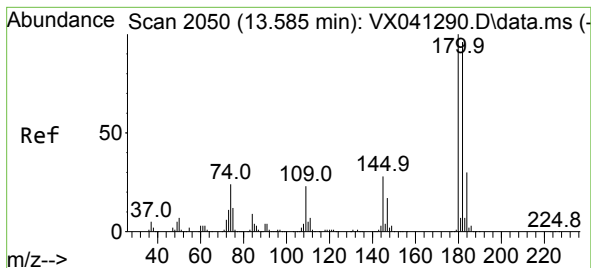
Ion Ratio Lower Upper

146 100

111 38.0 21.3 63.7

148 61.2 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.443 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01

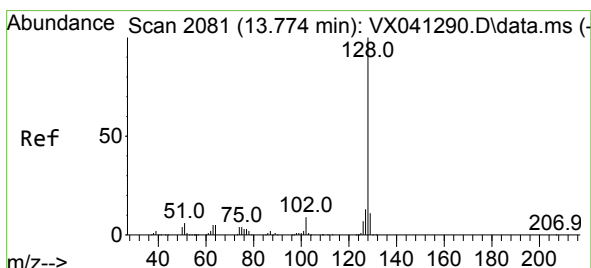
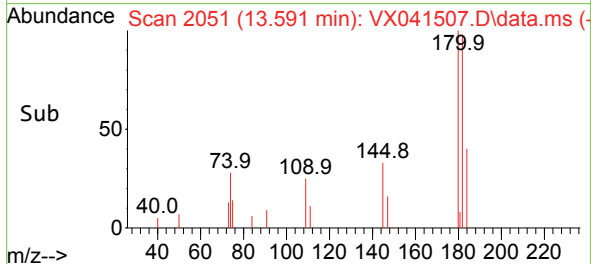
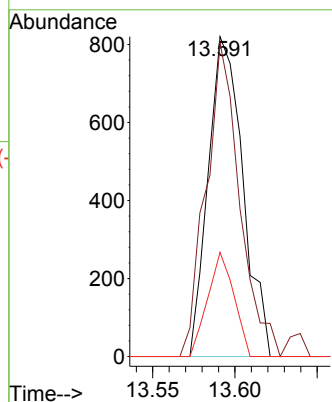
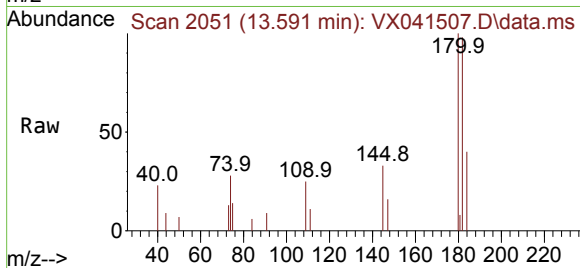
Tgt Ion:180 Resp: 1197

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.8

145 24.6 18.0 54.0



#95

Naphthalene

Concen: 0.656 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041507.D

Acq: 14 May 2024 10:08

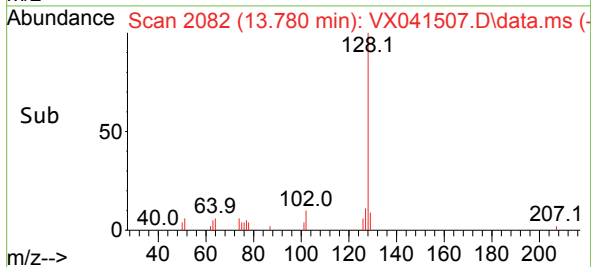
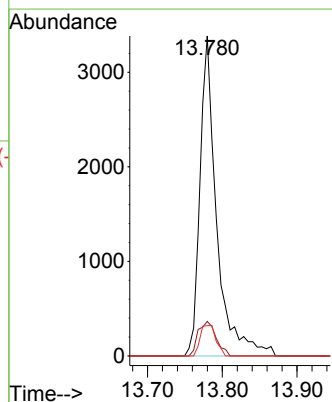
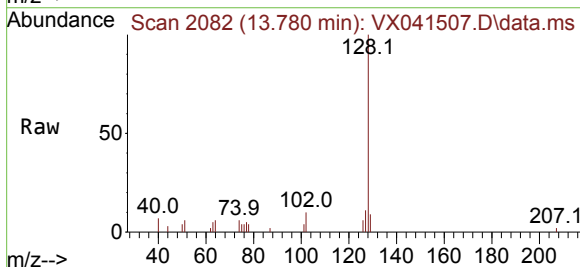
Tgt Ion:128 Resp: 5253

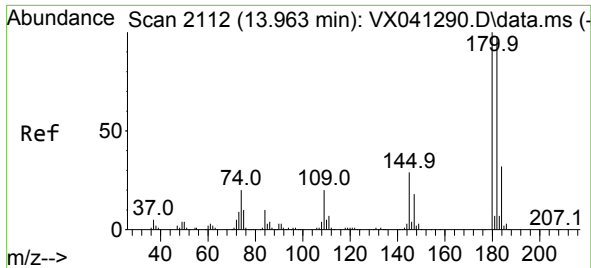
Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

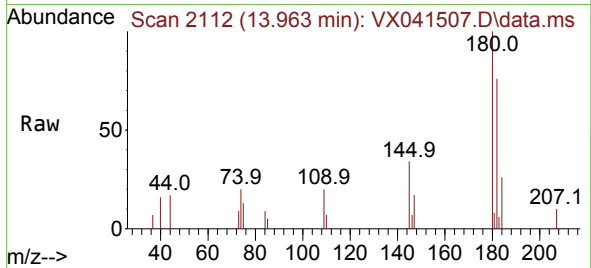
129 9.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.540 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX041507.D
 Acq: 14 May 2024 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBL01



Tgt Ion:	180	Resp:	1491
Ion	Ratio	Lower	Upper
180	100		
182	88.5	46.9	140.6
145	30.9	17.8	53.5

