

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043024\
 Data File : VX041307.D
 Acq On : 30 Apr 2024 18:12
 Operator : JC/MD
 Sample : P2264-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 01 02:49:33 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)

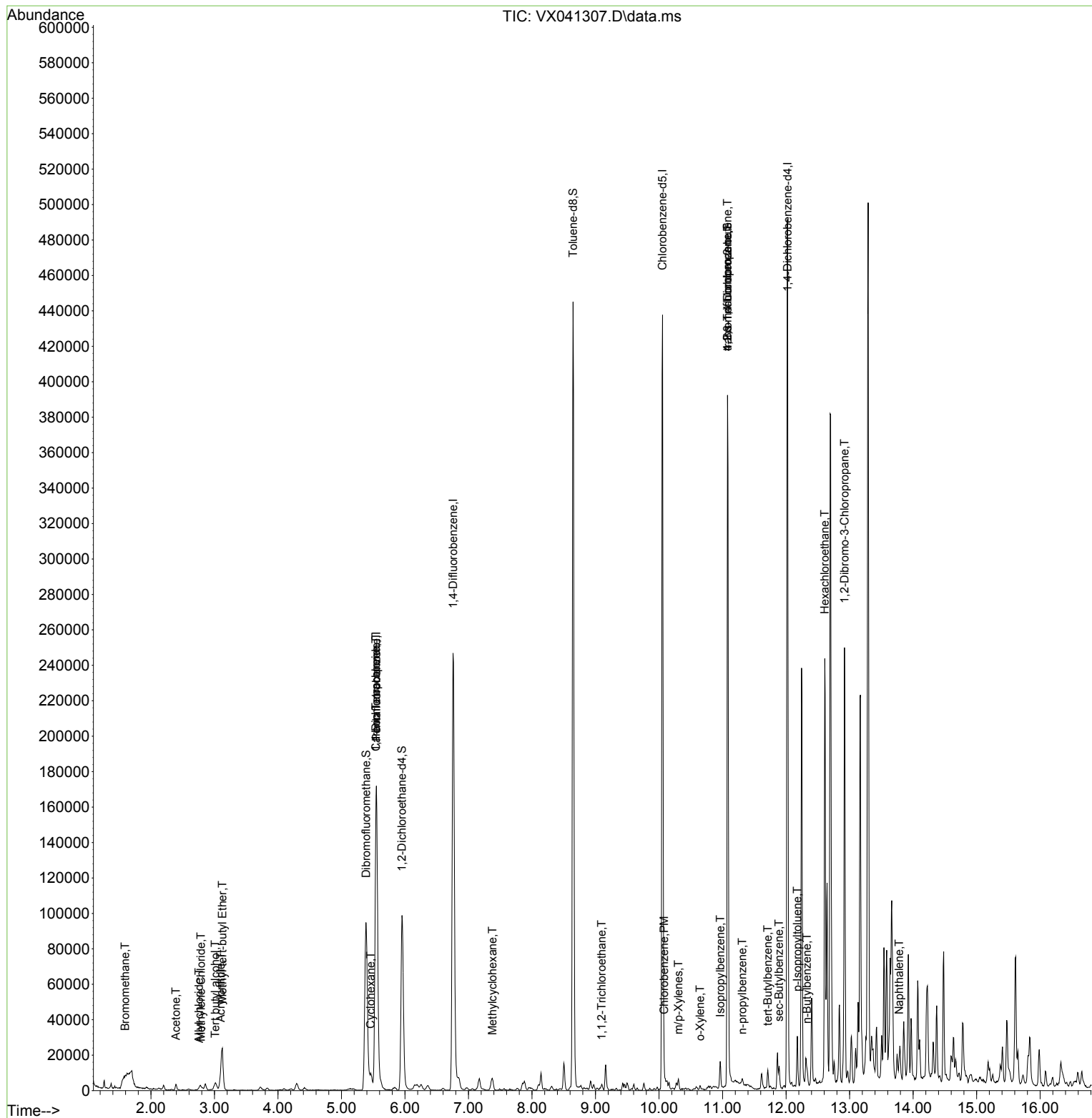
Internal Standards						
1) Pentafluorobenzene	5.550	168	185640	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	273499	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98346	48.663	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.320%
35) Dibromofluoromethane	5.385	113	82358	44.436	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.880%
50) Toluene-d8	8.647	98	271286	46.245	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.500%
62) 4-Bromofluorobenzene	11.079	95	97324	42.858	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.720%
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	248	0.263	ug/l	# 67
11) Tert butyl alcohol	3.014	59	7039	17.402	ug/l	97
14) Allyl chloride	2.757	41	716	0.296	ug/l	# 70
15) Acrylonitrile	3.099	53	424	0.459	ug/l	# 24
16) Acetone	2.392	43	3862	0.435	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	25642	4.890	ug/l	99
20) Methylene Chloride	2.788	84	711	0.405	ug/l	# 85
31) Cyclohexane	5.458	56	5386	2.208	ug/l	95
36) 1,1-Dichloropropene	5.544	75	11272	5.086	ug/l	# 50
38) Carbon Tetrachloride	5.544	117	15788	6.218	ug/l	# 15
39) Methylcyclohexane	7.379	83	2669	1.025	ug/l	95
55) 1,1,2-Trichloroethane	9.098	97	1126	0.700	ug/l	# 17
65) Chlorobenzene	10.079	112	1049	0.250	ug/l	93
68) m/p-Xylenes	10.305	106	1306	0.470	ug/l	93
69) o-Xylene	10.646	106	600	0.226	ug/l	92
73) Isopropylbenzene	10.963	105	7926	1.132	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	49488	26.469	ug/l	# 39
78) n-propylbenzene	11.311	91	1807	0.246	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	49488	72.099	ug/l	# 5
83) tert-Butylbenzene	11.713	119	3633	0.594	ug/l	97
85) sec-Butylbenzene	11.890	105	6005	0.857	ug/l	# 57
86) p-Isopropyltoluene	12.177	119	11749	1.867	ug/l	95
89) n-Butylbenzene	12.329	91	4270	0.844	ug/l	# 55
90) Hexachloroethane	12.609	117	10916	10.374	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	788	1.486	ug/l	# 9
95) Naphthalene	13.780	128	1897	0.241	ug/l	# 44

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

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Sample : P2264-01
Misc : 5.0mL/MSVOA_X/WATER
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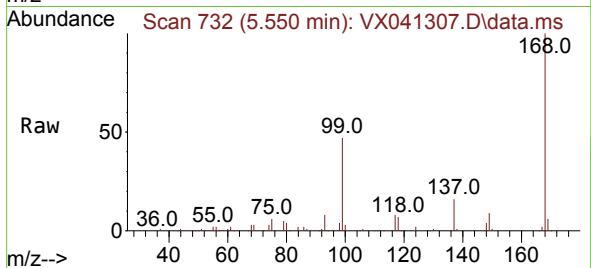
Quant Time: May 01 02:49:33 2024
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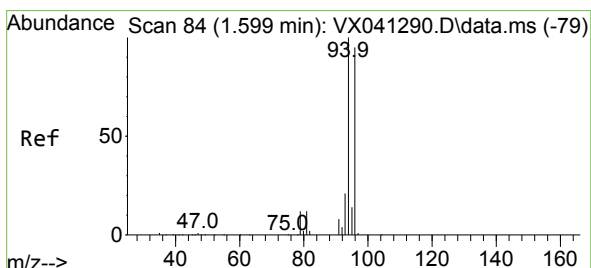
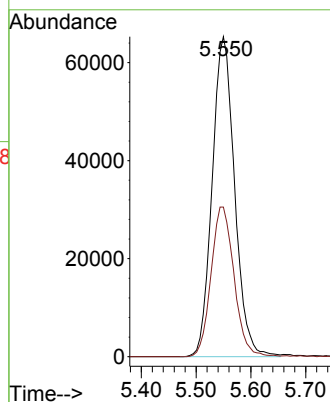
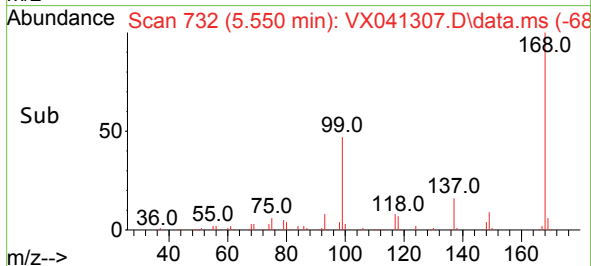


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

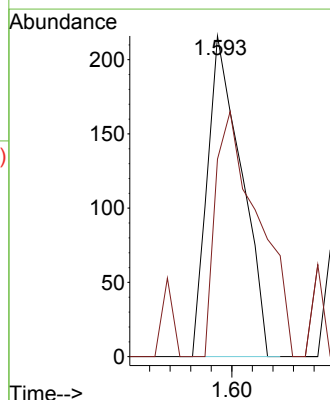
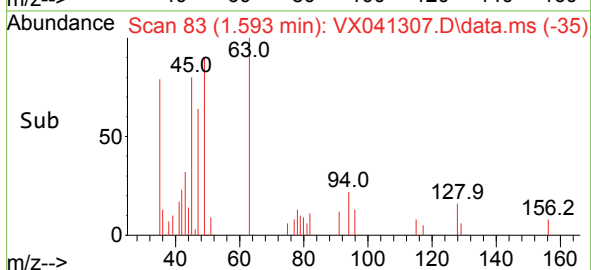
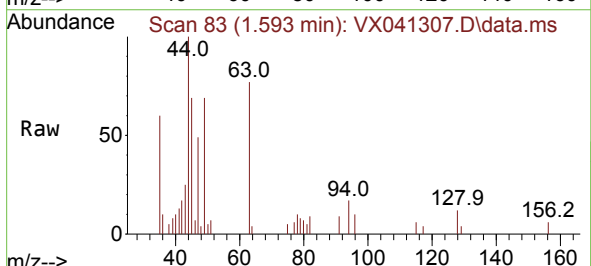


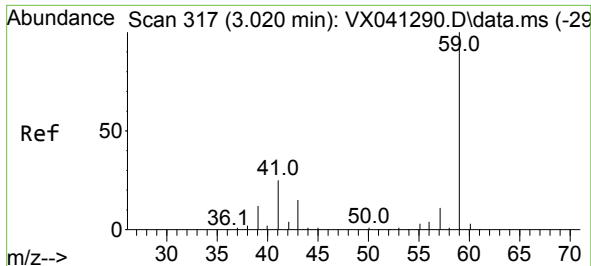
Tgt Ion:168 Resp: 185640
Ion Ratio Lower Upper
168 100
99 46.8 56.6 85.0#



#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 61.6 74.6 111.8#





#11

Tert butyl alcohol

Concen: 17.402 ug/l

RT: 3.014 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

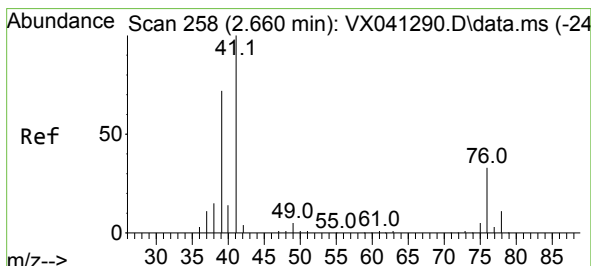
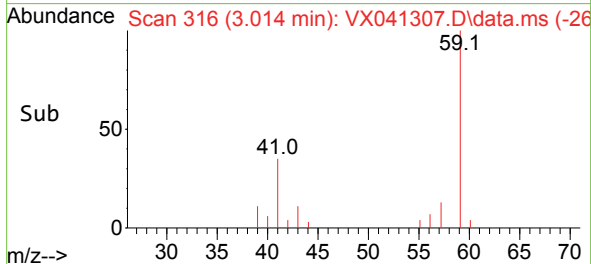
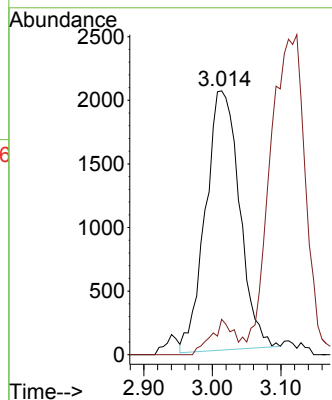
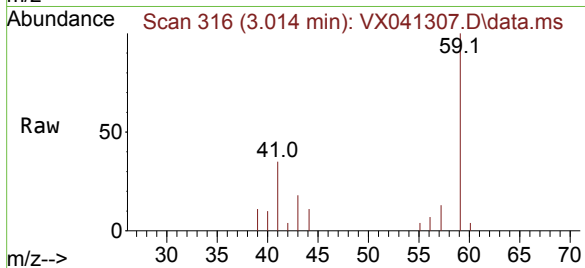
ClientSampleId :

Tgt Ion: 59 Resp: 7039

Ion Ratio Lower Upper

59 100

57 8.7 6.0 9.0



#14

Allyl chloride

Concen: 0.296 ug/l

RT: 2.757 min Scan# 274

Delta R.T. 0.097 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

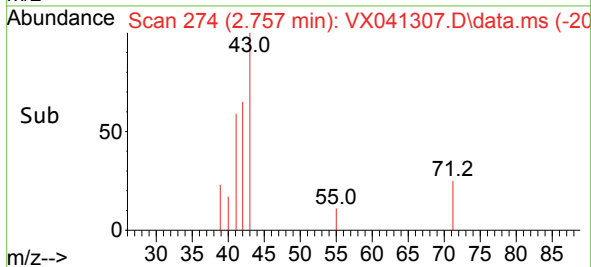
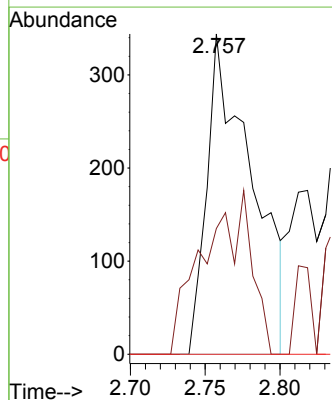
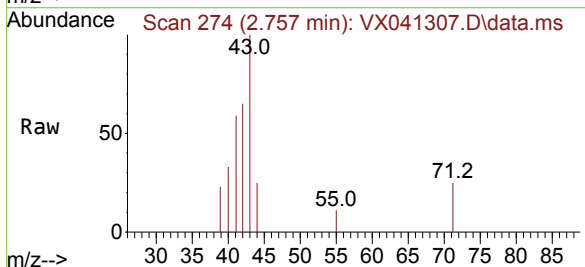
Tgt Ion: 41 Resp: 716

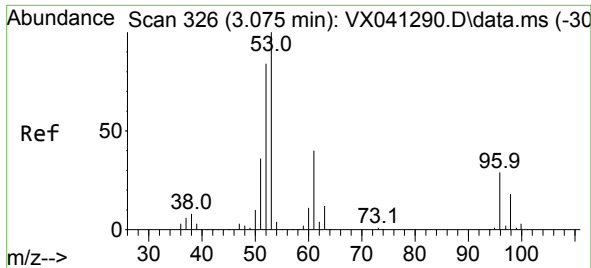
Ion Ratio Lower Upper

41 100

39 54.3 55.8 83.6#

76 0.0 24.3 36.5#





#15

Acrylonitrile

Concen: 0.459 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

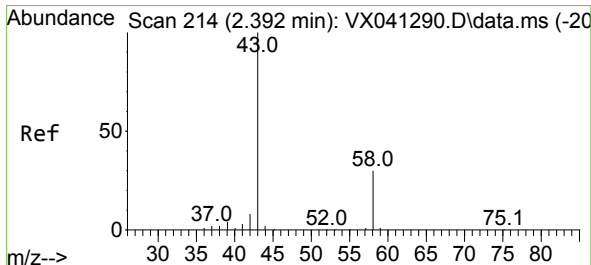
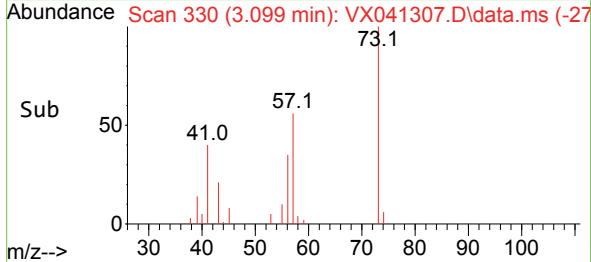
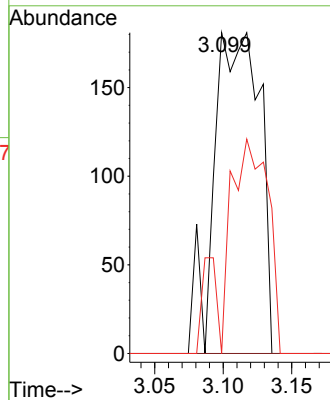
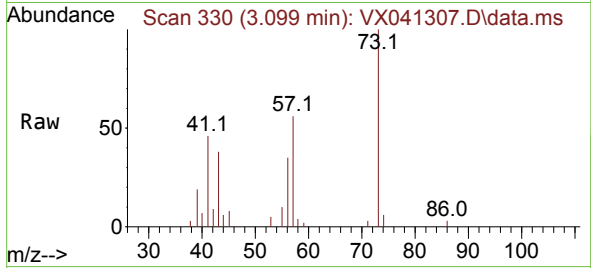
Tgt Ion: 53 Resp: 424

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 62.0 29.8 44.6#



#16

Acetone

Concen: 0.435 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041307.D

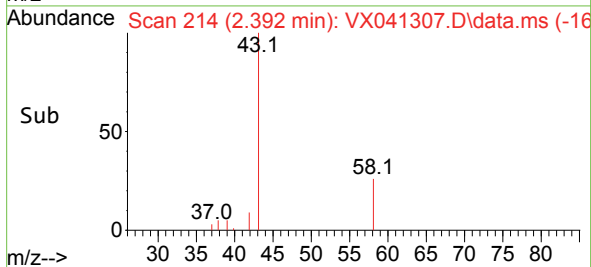
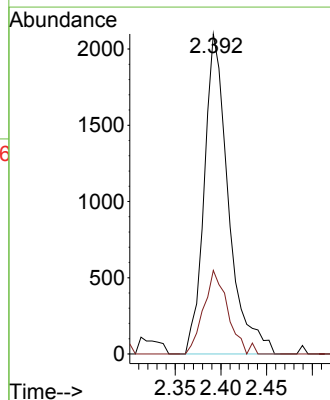
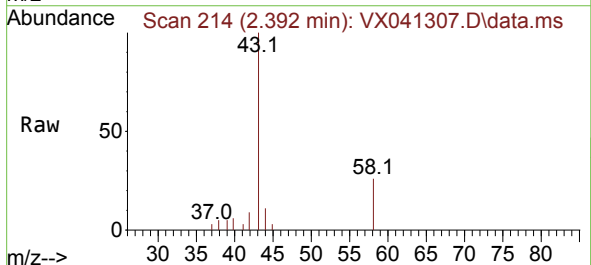
Acq: 30 Apr 2024 18:12

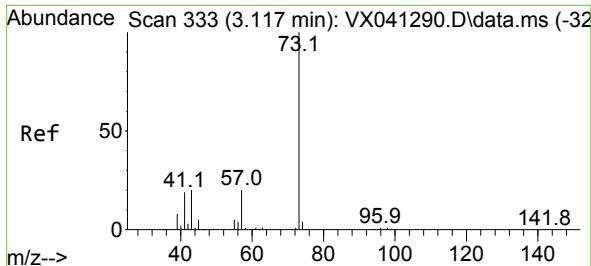
Tgt Ion: 43 Resp: 3862

Ion Ratio Lower Upper

43 100

58 26.1 21.9 32.9

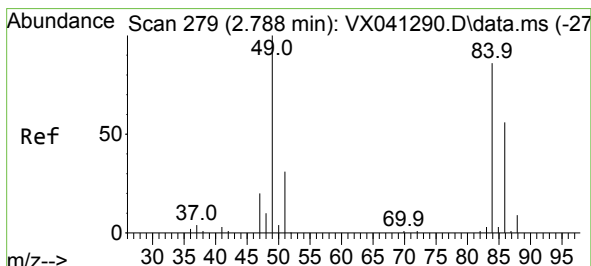
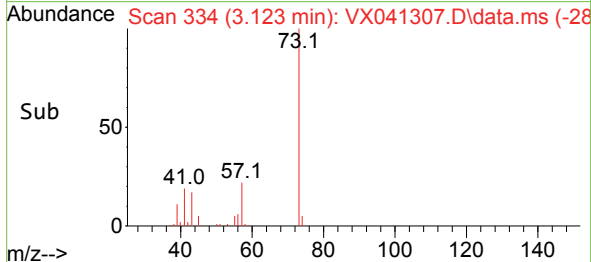
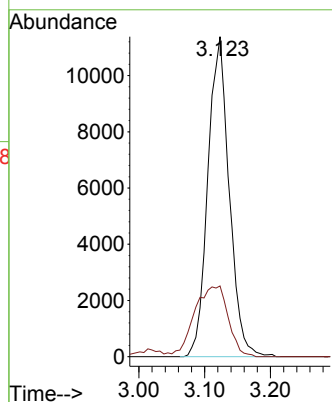
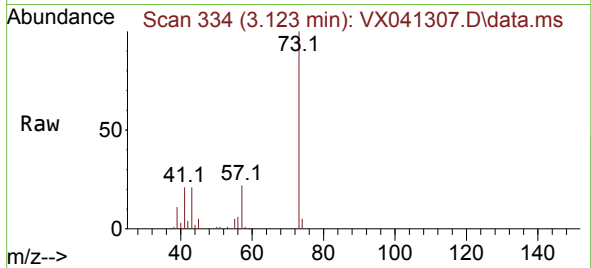




#19
Methyl tert-butyl Ether
Concen: 4.890 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

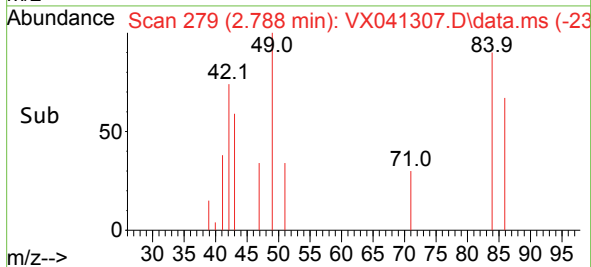
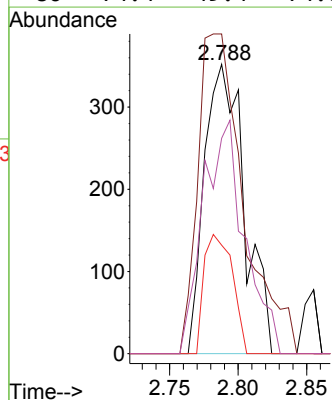
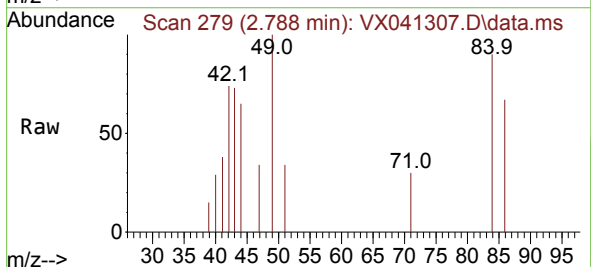
Instrument :
MSVOA_X
ClientSampleId :

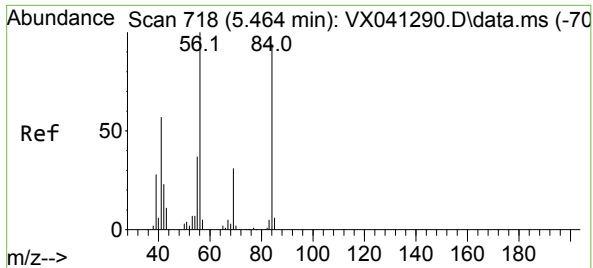
Tgt Ion: 73 Resp: 25642
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 0.405 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

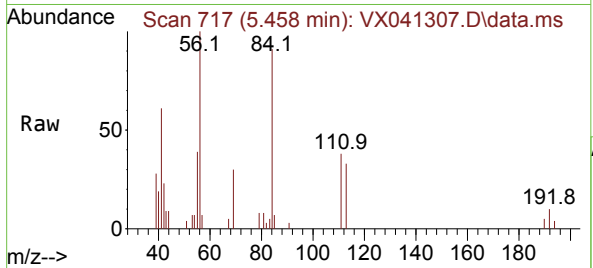
Tgt Ion: 84 Resp: 711
Ion Ratio Lower Upper
84 100
49 110.5 103.6 155.4
51 37.5 33.8 50.6
86 74.4 49.4 74.0#



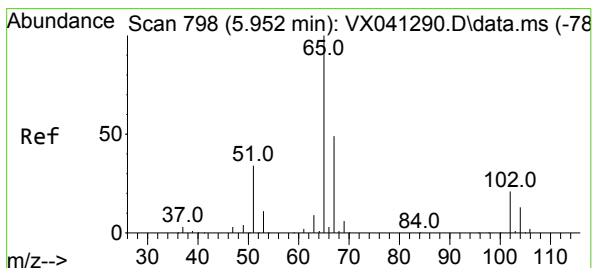
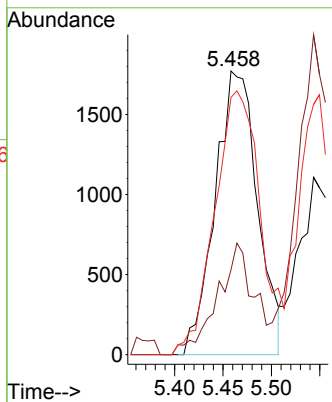
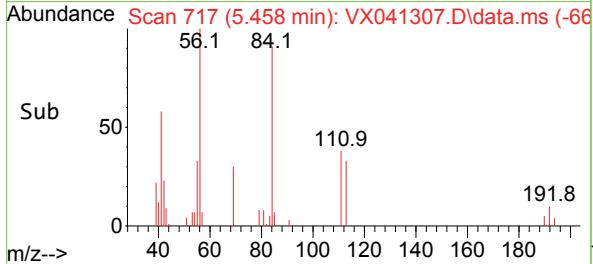


#31
Cyclohexane
Concen: 2.208 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

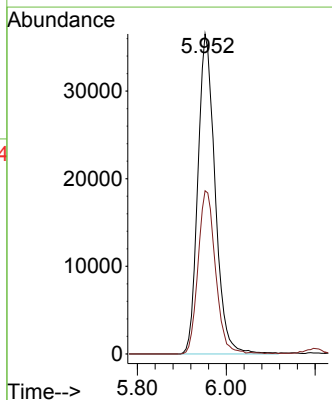
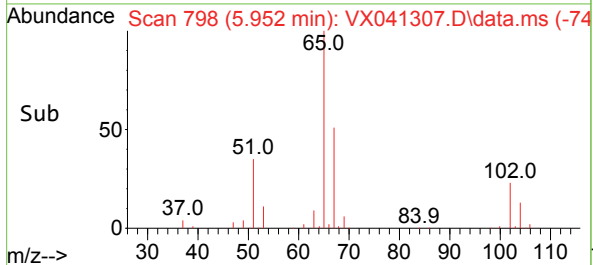
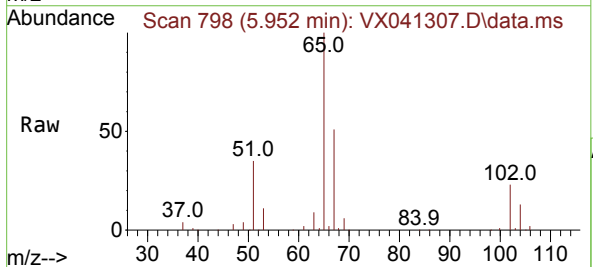


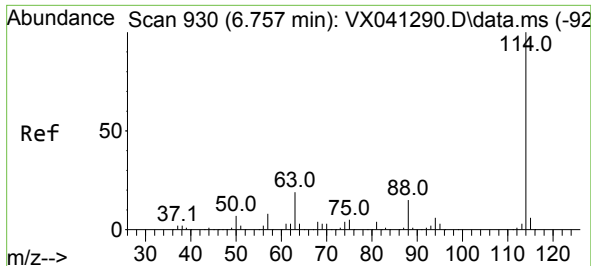
Tgt Ion: 56 Resp: 5386
Ion Ratio Lower Upper
56 100
69 26.5 23.4 35.2
84 87.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 48.663 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion: 65 Resp: 98346
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

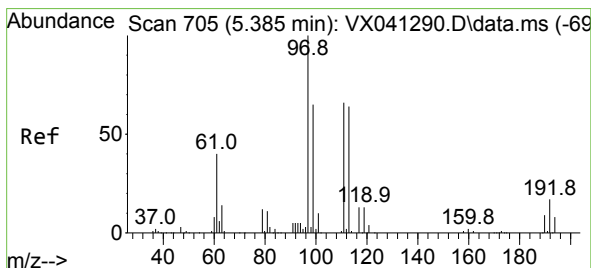
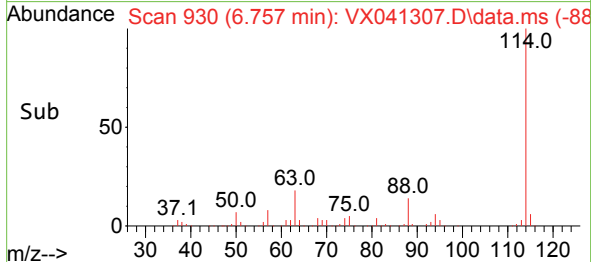
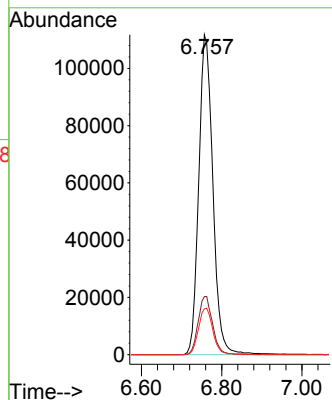
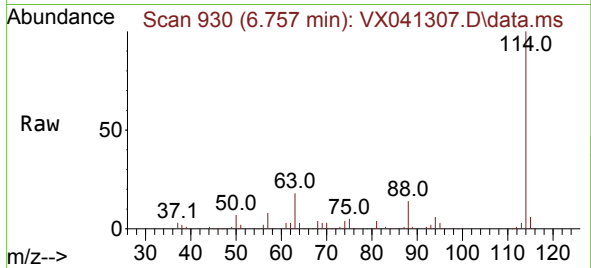




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

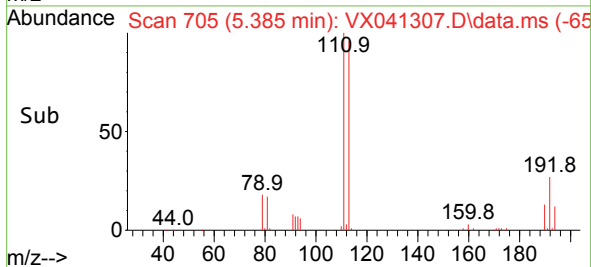
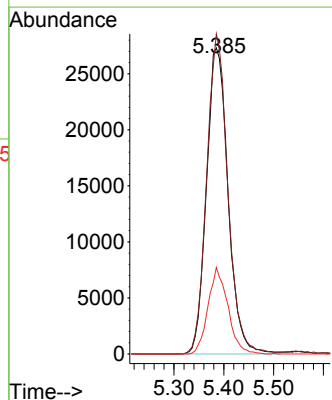
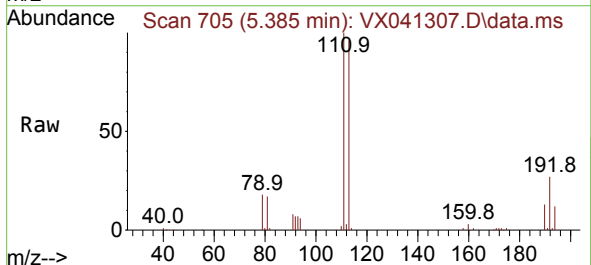
Instrument :
MSVOA_X
ClientSampleId :

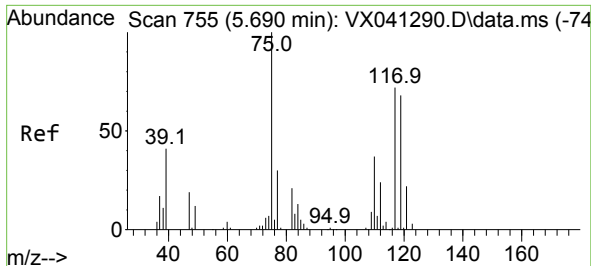
Tgt Ion:114 Resp: 273499
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.436 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

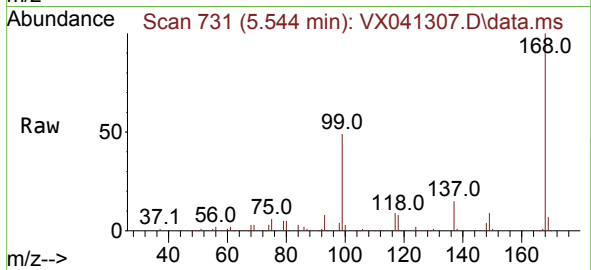
Tgt Ion:113 Resp: 82358
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 25.9 13.3 19.9#



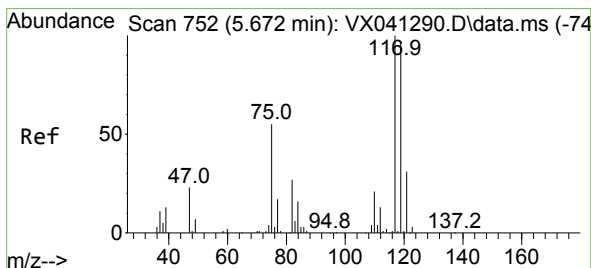
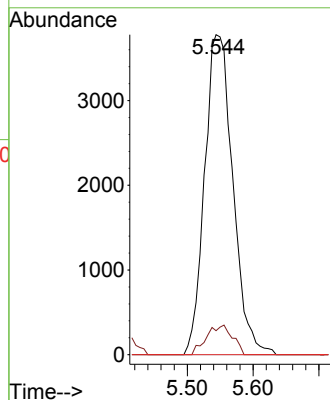
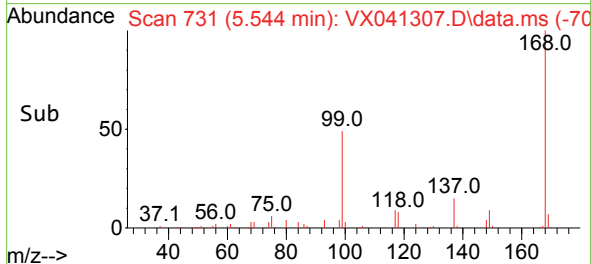


#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

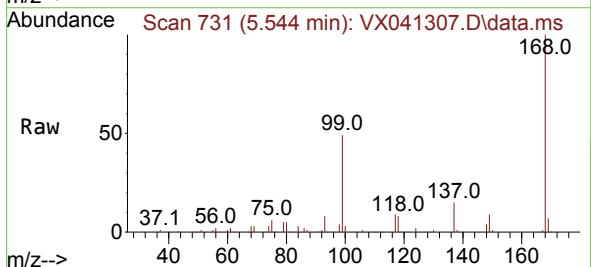
Instrument :
MSVOA_X
ClientSampleId :



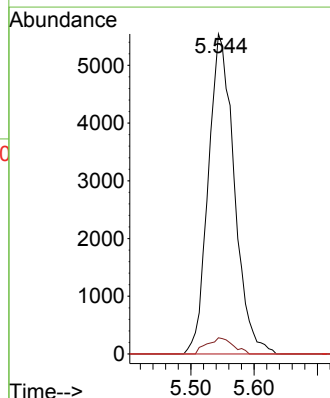
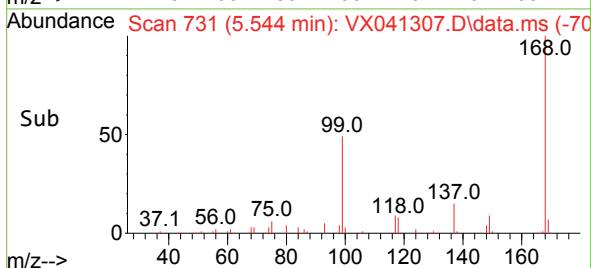
Tgt Ion: 75 Resp: 11272
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#

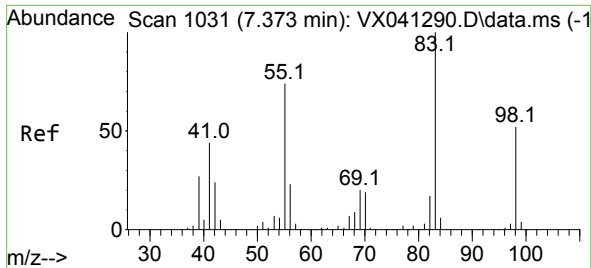


#38
Carbon Tetrachloride
Concen: 6.218 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12



Tgt Ion: 117 Resp: 15788
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.025 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

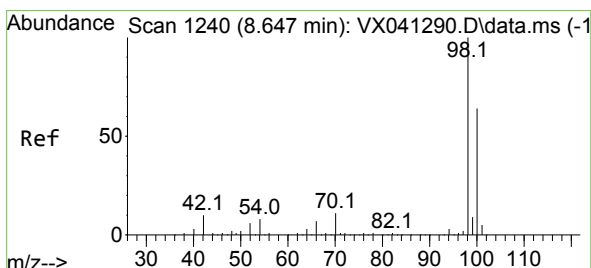
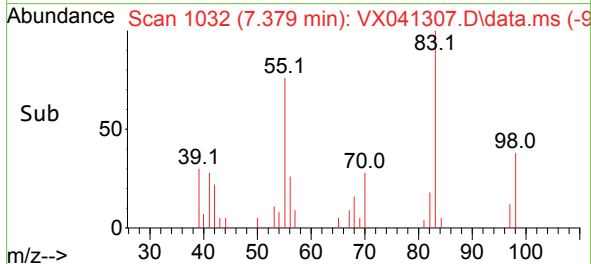
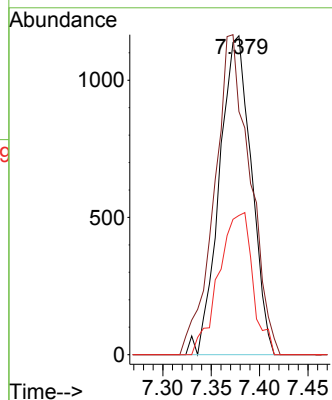
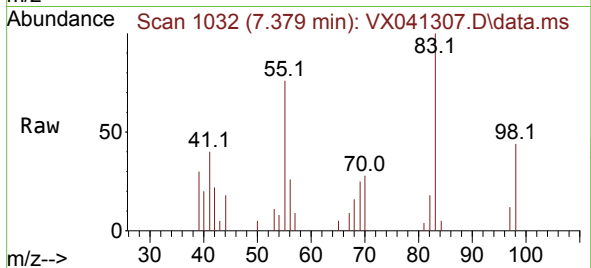
Tgt Ion: 83 Resp: 2669

Ion Ratio Lower Upper

83 100

55 76.2 64.6 97.0

98 43.6 36.7 55.1



#50

Toluene-d8

Concen: 46.245 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041307.D

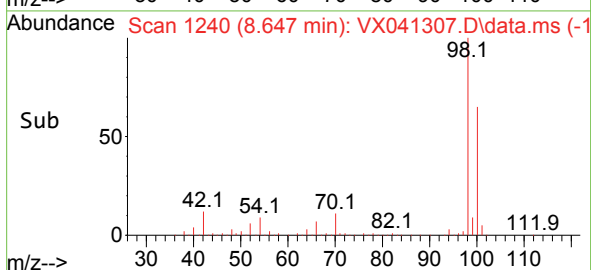
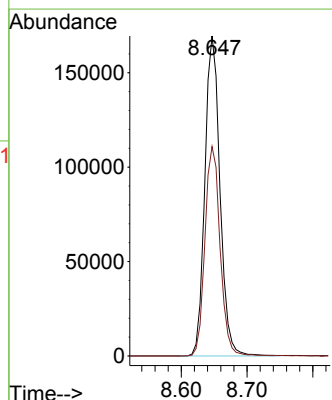
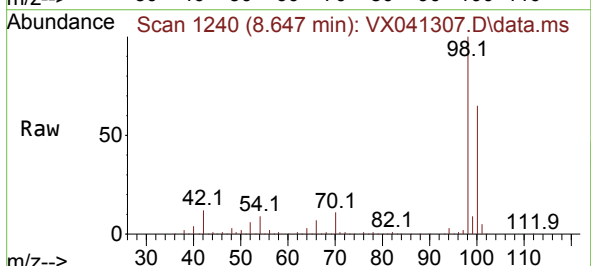
Acq: 30 Apr 2024 18:12

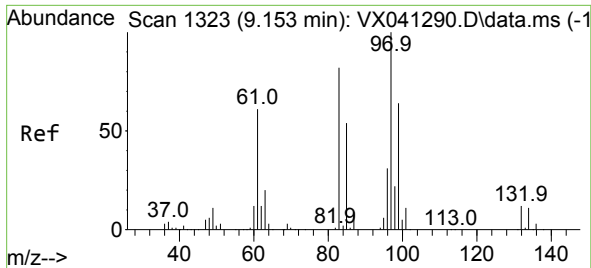
Tgt Ion: 98 Resp: 271286

Ion Ratio Lower Upper

98 100

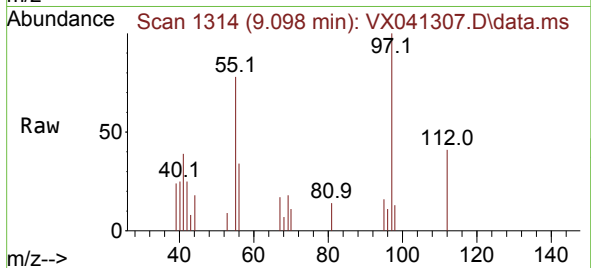
100 65.8 53.1 79.7



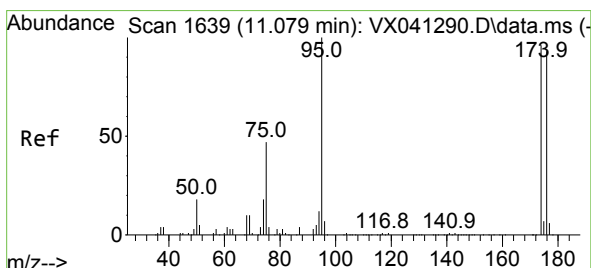
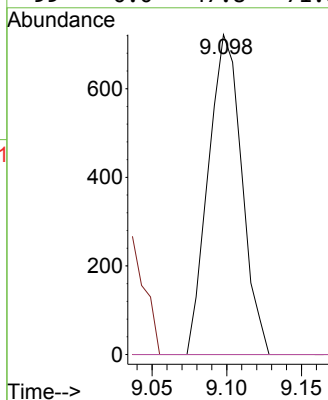
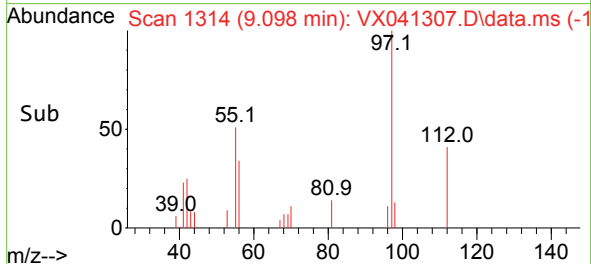


#55
1,1,2-Trichloroethane
Concen: 0.700 ug/l
RT: 9.098 min Scan# 1126
Delta R.T. -0.055 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

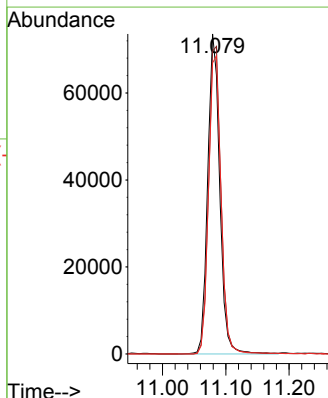
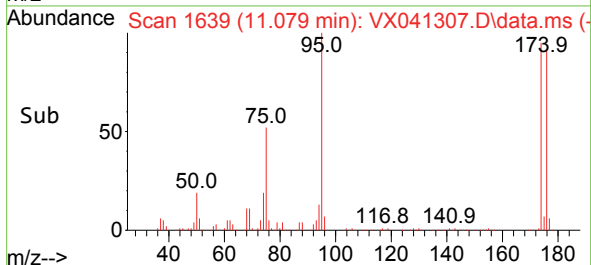
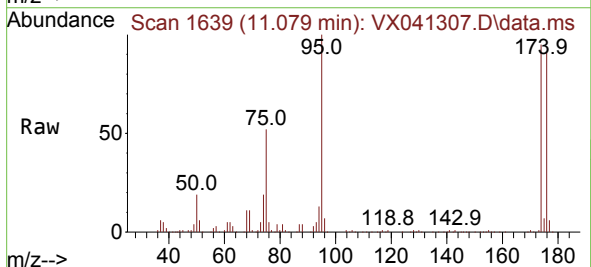


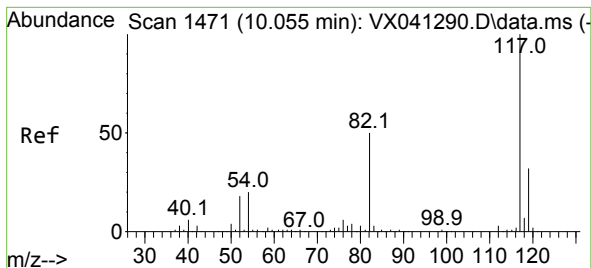
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.8#
85	0.0	41.6	62.4#
99	0.0	47.8	71.8#



#62
4-Bromofluorobenzene
Concen: 42.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.3	0.0	135.6
176	96.9	0.0	131.0

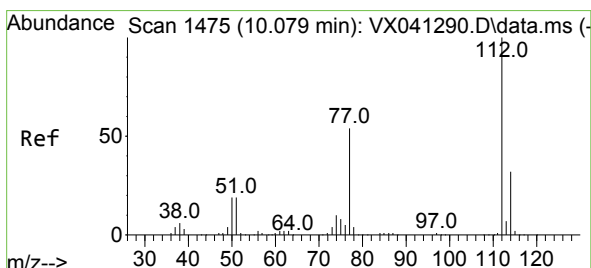
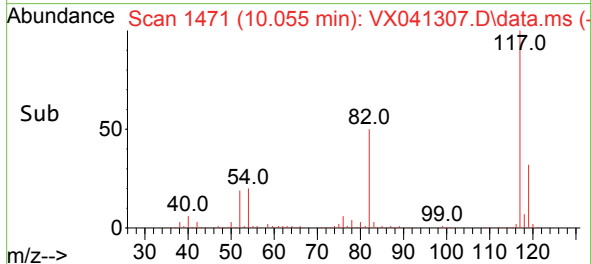
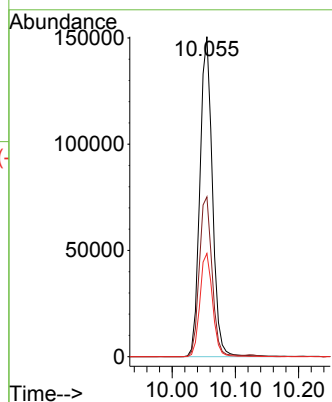
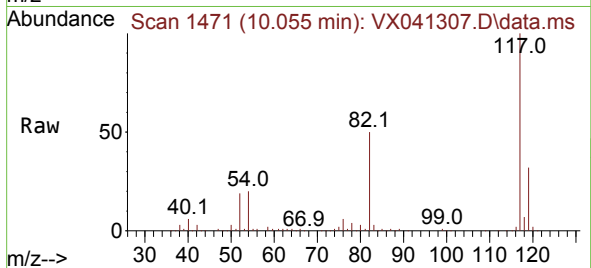




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

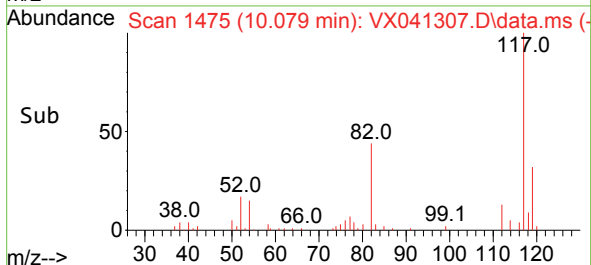
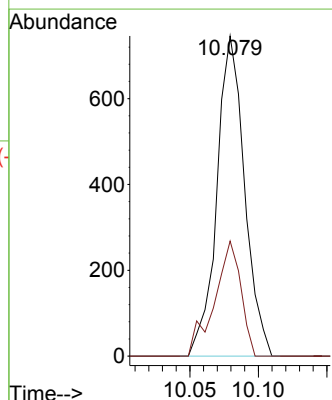
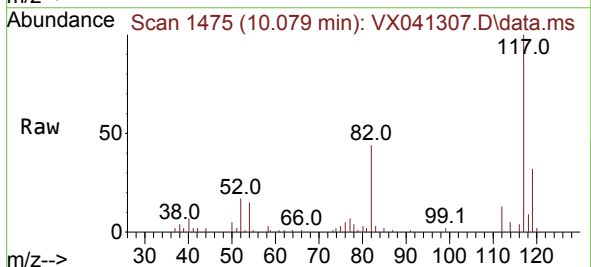
Instrument :
MSVOA_X
ClientSampleId :

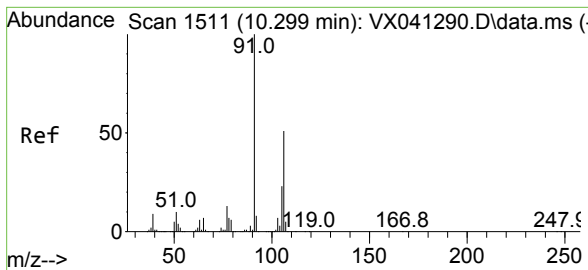
Tgt Ion:117 Resp: 207099
Ion Ratio Lower Upper
117 100
82 50.0 46.2 69.4
119 32.2 25.5 38.3



#65
Chlorobenzene
Concen: 0.250 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion:112 Resp: 1049
Ion Ratio Lower Upper
112 100
114 35.9 25.7 38.5

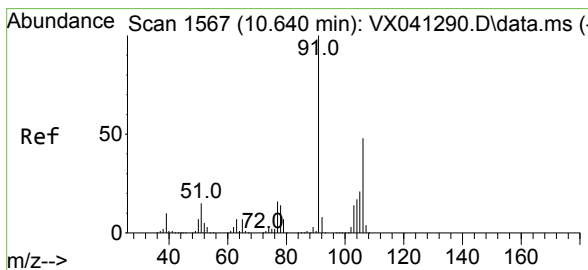
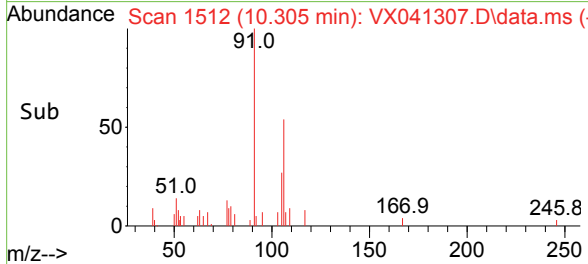
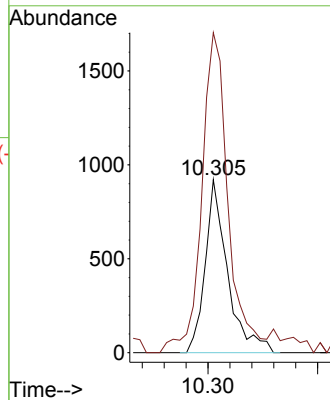
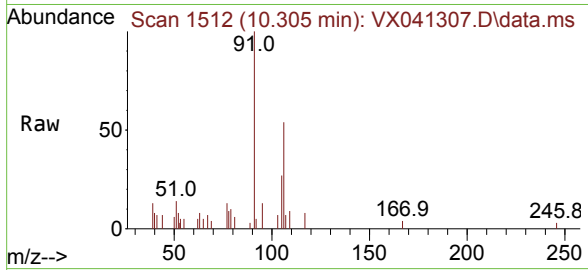




#68
m/p-Xylenes
Concen: 0.470 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

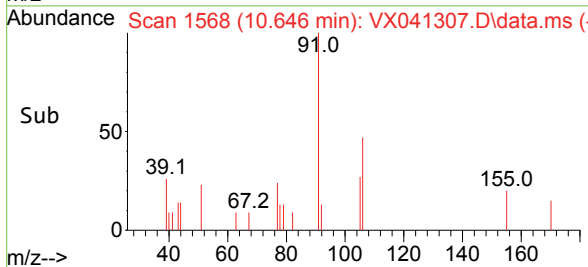
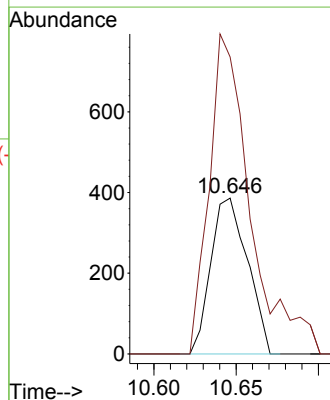
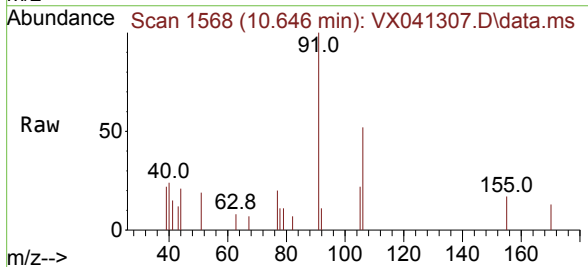
Instrument :
MSVOA_X
ClientSampleId :

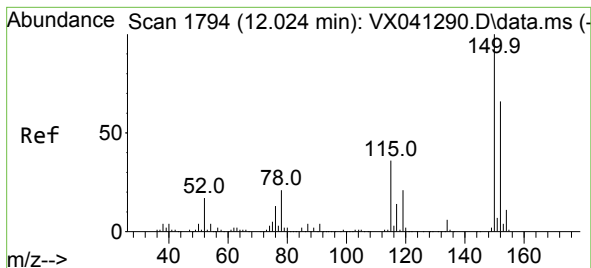
Tgt Ion:106 Resp: 1306
Ion Ratio Lower Upper
106 100
91 217.5 165.5 248.3



#69
o-Xylene
Concen: 0.226 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion:106 Resp: 600
Ion Ratio Lower Upper
106 100
91 230.2 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

ClientSampleId :

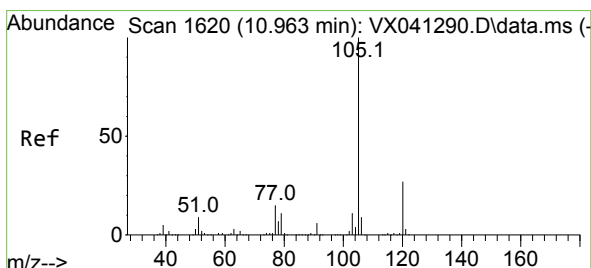
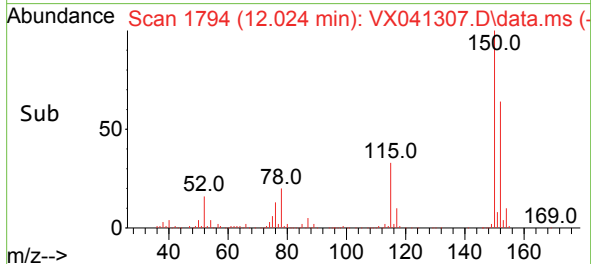
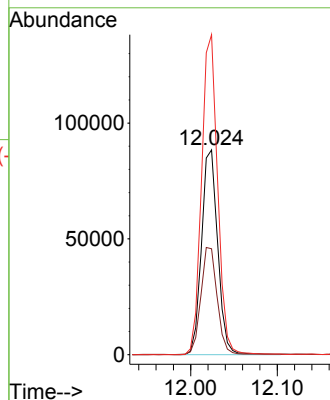
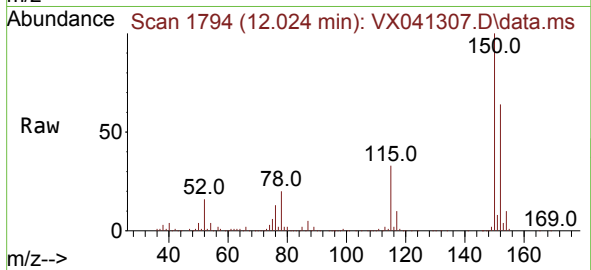
Tgt Ion:152 Resp: 114724

Ion Ratio Lower Upper

152 100

115 53.0 43.3 129.9

150 155.4 0.0 345.0



#73

Isopropylbenzene

Concen: 1.132 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX041307.D

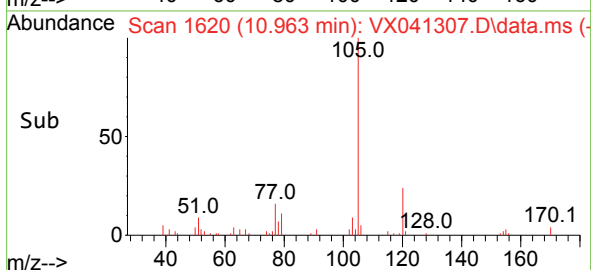
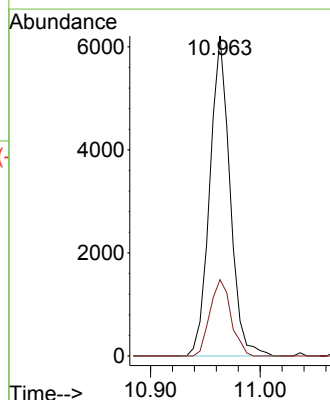
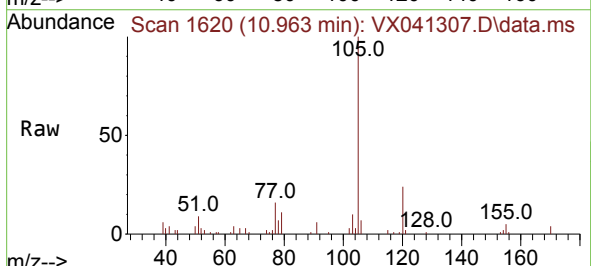
Acq: 30 Apr 2024 18:12

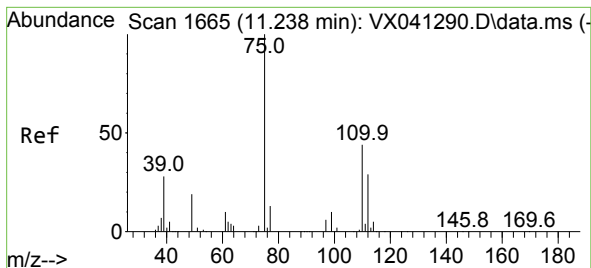
Tgt Ion:105 Resp: 7926

Ion Ratio Lower Upper

105 100

120 24.8 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 26.469 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

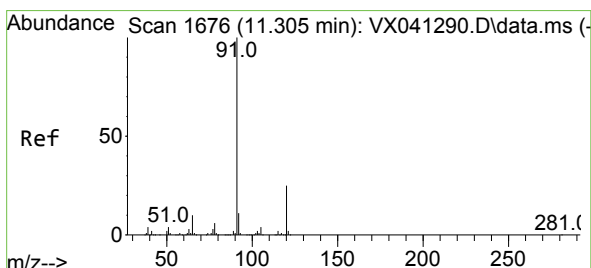
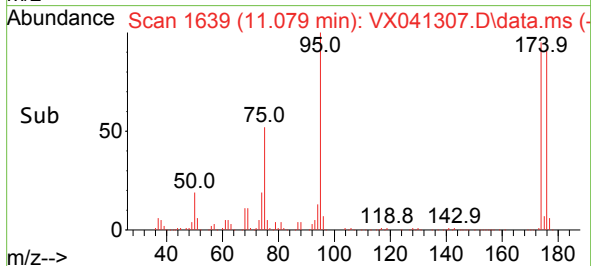
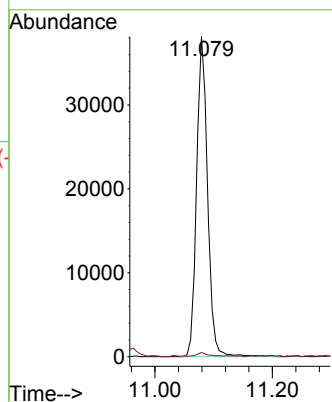
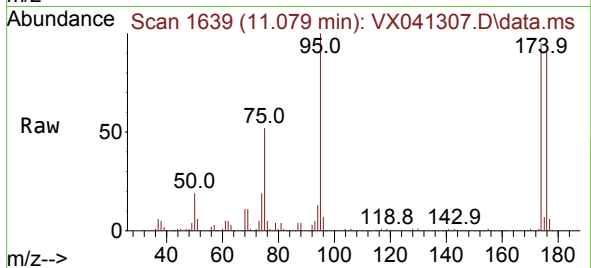
ClientSampleId :

Tgt Ion: 75 Resp: 49488

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.246 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX041307.D

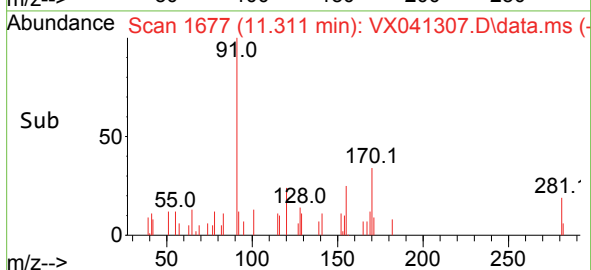
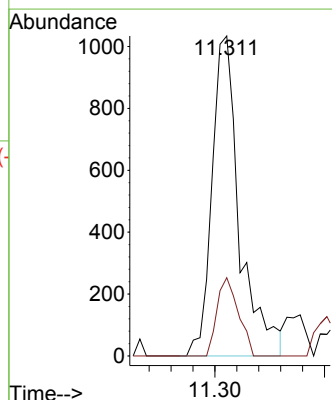
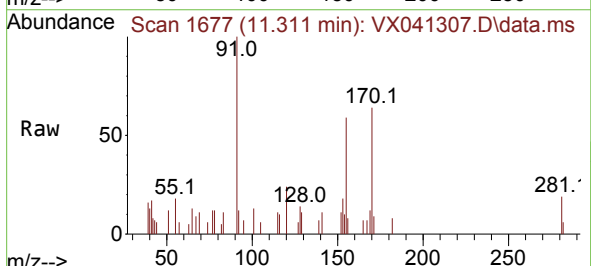
Acq: 30 Apr 2024 18:12

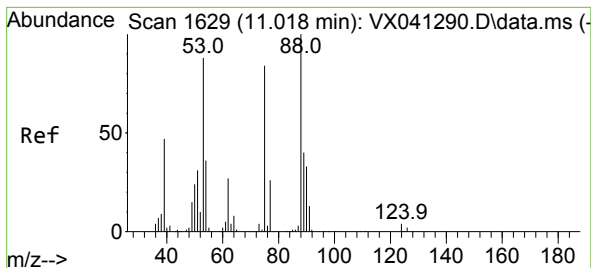
Tgt Ion: 91 Resp: 1807

Ion Ratio Lower Upper

91 100

120 19.0 11.5 34.4

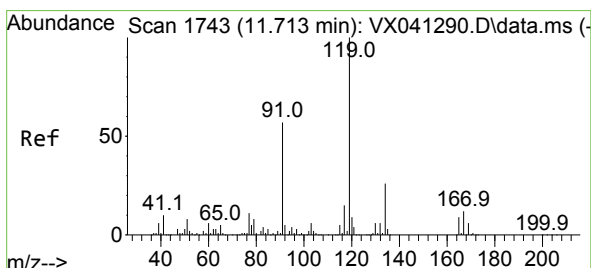
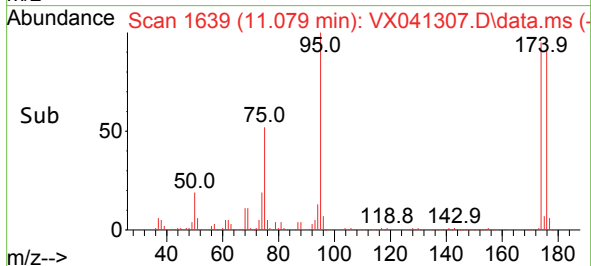
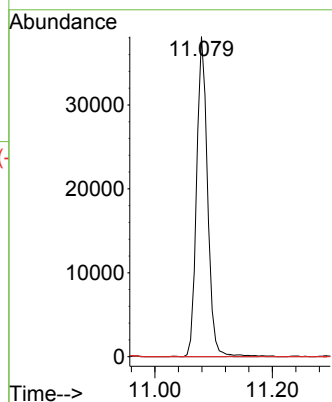
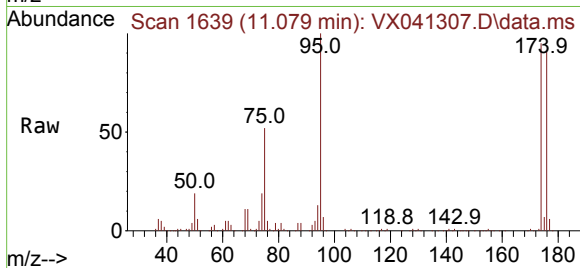




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.099 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX041307.D
 Acq: 30 Apr 2024 18:12

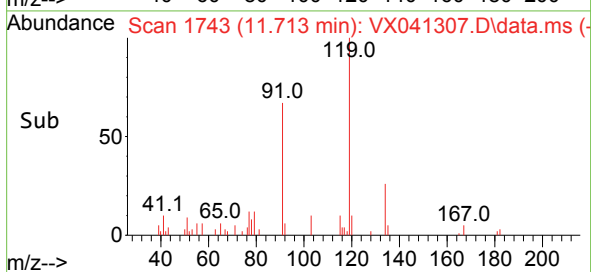
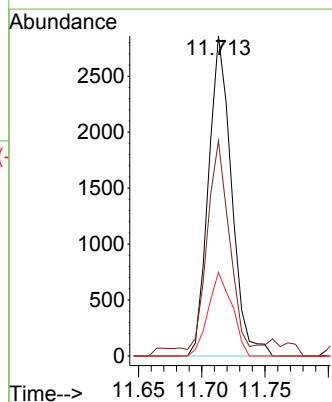
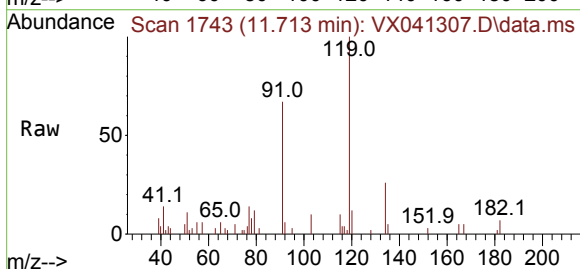
Instrument :
 MSVOA_X
 ClientSampleId :

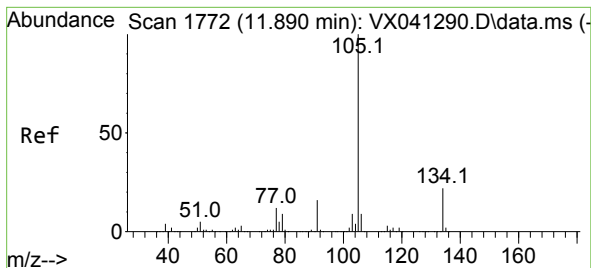
Tgt Ion: 75 Resp: 49488
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.594 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. -0.000 min
 Lab File: VX041307.D
 Acq: 30 Apr 2024 18:12

Tgt Ion: 119 Resp: 3633
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.2 93.6
 134 26.8 11.7 35.0





#85

sec-Butylbenzene

Concen: 0.857 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

Instrument :

MSVOA_X

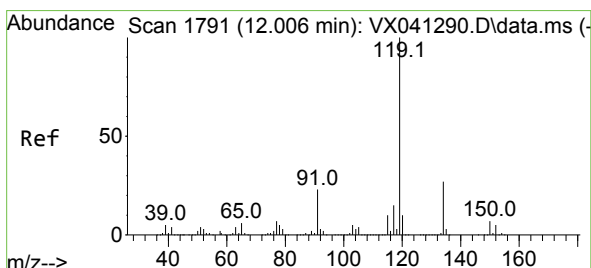
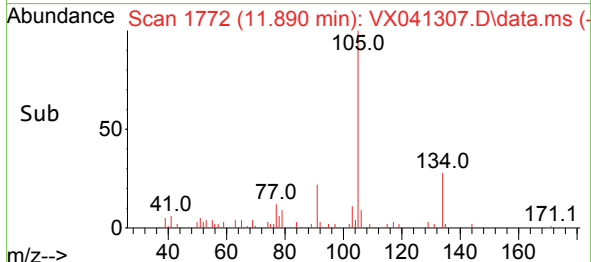
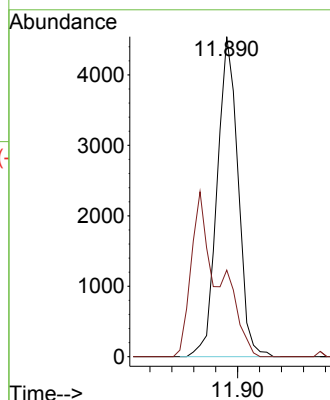
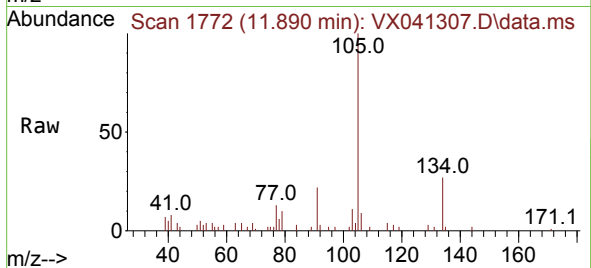
ClientSampleId :

Tgt Ion:105 Resp: 6005

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 1.867 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.171 min

Lab File: VX041307.D

Acq: 30 Apr 2024 18:12

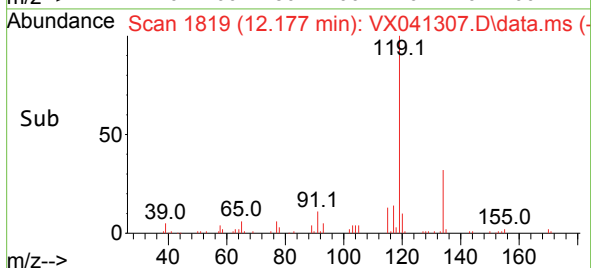
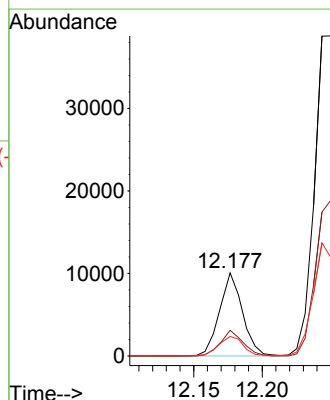
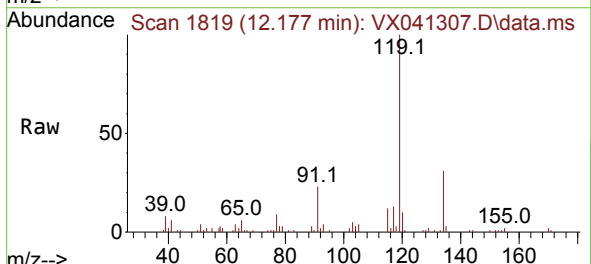
Tgt Ion:119 Resp: 11749

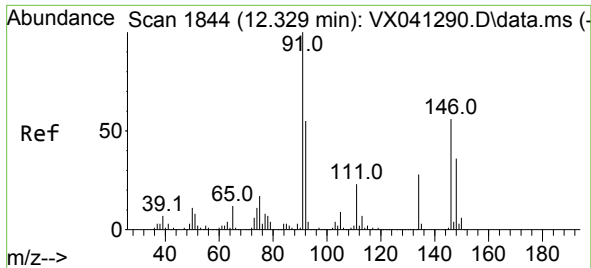
Ion Ratio Lower Upper

119 100

134 30.2 12.8 38.3

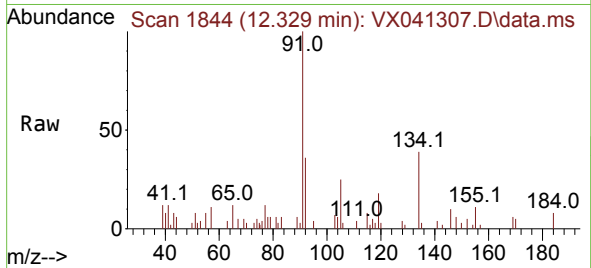
91 25.7 13.1 39.3



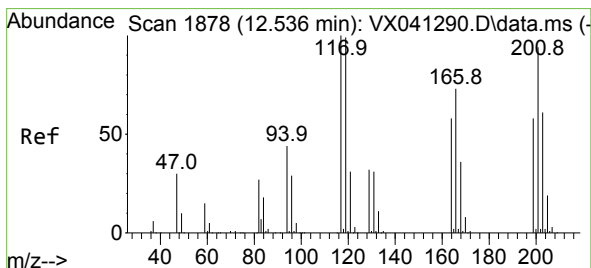
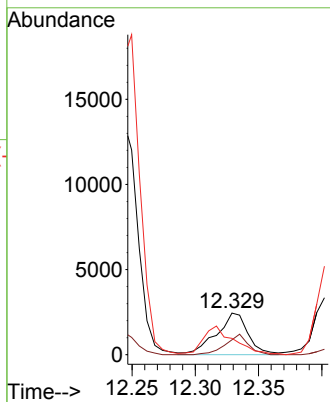
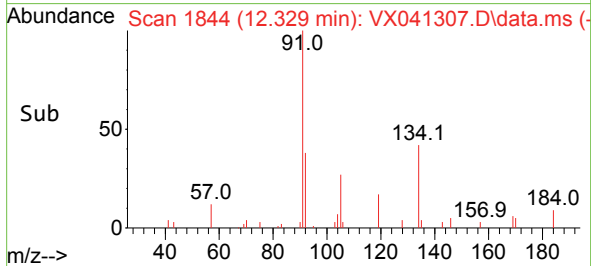


#89
n-Butylbenzene
Concen: 0.844 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :

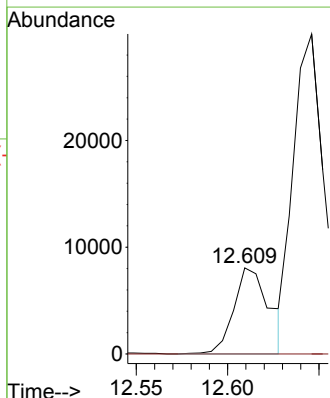
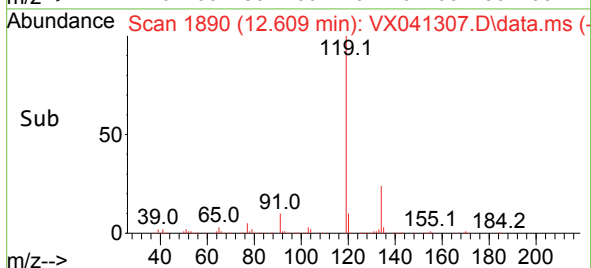
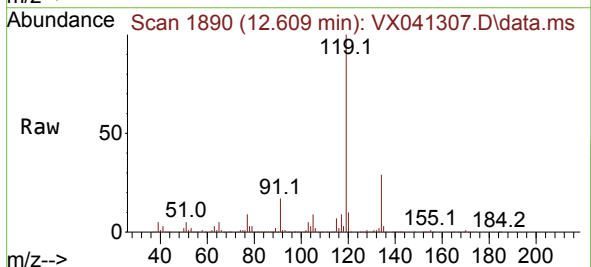


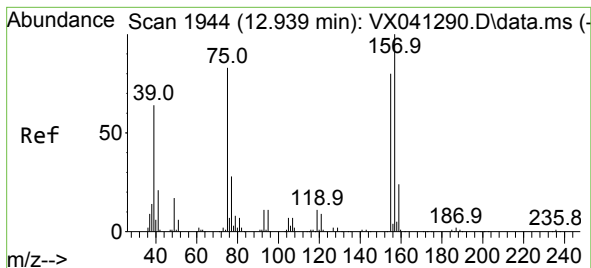
Tgt Ion: 91 Resp: 4270
Ion Ratio Lower Upper
91 100
92 34.9 27.4 82.0
134 66.7 12.6 37.8#



#90
Hexachloroethane
Concen: 10.374 ug/l
RT: 12.609 min Scan# 1890
Delta R.T. 0.073 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

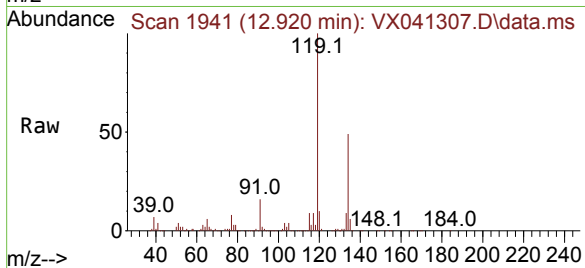
Tgt Ion: 117 Resp: 10916
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



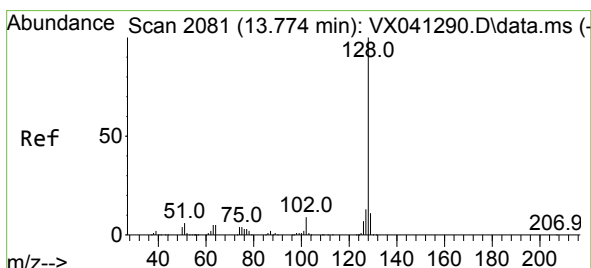
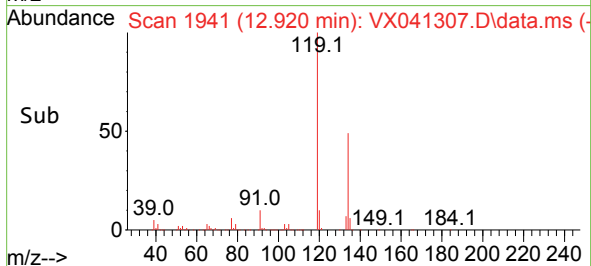
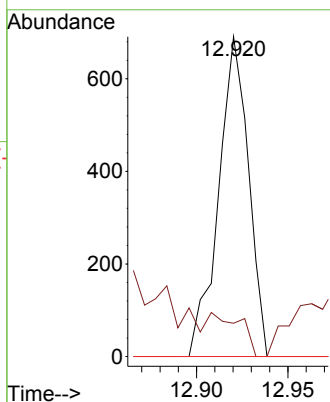


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.486 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#



#95
Naphthalene
Concen: 0.241 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041307.D
Acq: 30 Apr 2024 18:12

Tgt Ion: 128 Resp: 1897
Ion Ratio Lower Upper
128 100
127 31.4 10.3 15.5#
129 36.8 8.8 13.2#

