

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041707.D
 Acq On : 03 Jun 2024 16:17
 Operator : JC/MD
 Sample : P2660-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 00:50:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

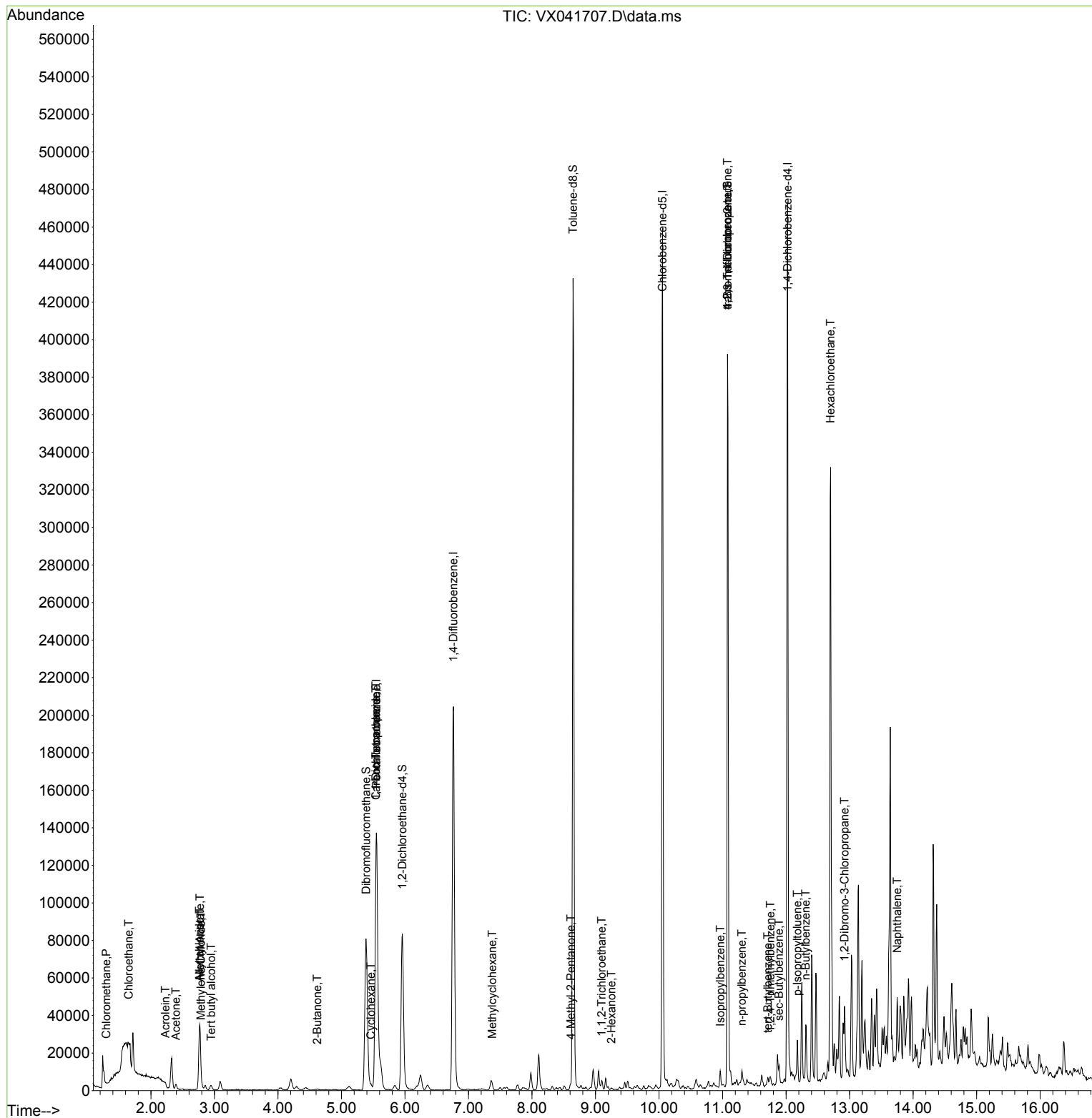
Internal Standards						
1) Pentafluorobenzene	5.550	168	145455	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	218687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84005	47.089	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.180%		
35) Dibromofluoromethane	5.385	113	70416	46.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	8.647	98	256128	48.481	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.079	95	98792	50.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.340%		
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	408	0.293	ug/l	# 82
6) Chloroethane	1.648	64	387	0.446	ug/l	99
11) Tert butyl alcohol	2.947	59	1381	4.376	ug/l	# 78
13) Acrolein	2.227	56	285	0.970	ug/l	# 14
14) Allyl chloride	2.764	41	10118	4.743	ug/l	# 70
16) Acetone	2.392	43	3078	1.241	ug/l	93
18) Methyl Acetate	2.770	43	24503	14.385	ug/l	# 53
20) Methylene Chloride	2.788	84	703	0.440	ug/l	# 57
25) 2-Butanone	4.617	43	338	0.305	ug/l	# 51
31) Cyclohexane	5.465	56	1502	0.713	ug/l	88
36) 1,1-Dichloropropene	5.544	75	9225	5.039	ug/l	# 52
38) Carbon Tetrachloride	5.544	117	12808	6.158	ug/l	# 16
39) Methylcyclohexane	7.373	83	898	0.399	ug/l	# 63
51) 4-Methyl-2-Pentanone	8.610	43	605	0.267	ug/l	# 37
55) 1,1,2-Trichloroethane	9.098	97	1771	1.210	ug/l	# 22
59) 2-Hexanone	9.250	43	483	0.280	ug/l	90
73) Isopropylbenzene	10.964	105	4449	0.679	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	50063	27.178	ug/l	# 39
78) n-propylbenzene	11.305	91	3524	0.490	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	50063	74.074	ug/l	# 5
83) tert-Butylbenzene	11.713	119	1506	0.256	ug/l	72
84) 1,2,4-Trimethylbenzene	11.756	105	1711	0.309	ug/l	94
85) sec-Butylbenzene	11.890	105	4194	0.621	ug/l	# 57
86) p-Isopropyltoluene	12.177	119	8445	1.426	ug/l	93
89) n-Butylbenzene	12.311	91	3141	0.670	ug/l	# 6
90) Hexachloroethane	12.701	117	145294	144.250	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	103	0.219	ug/l	# 31
95) Naphthalene	13.750	128	2152	0.315	ug/l	# 4

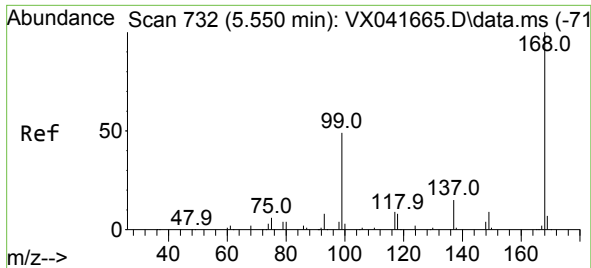
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
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Quant Time: Jun 04 00:50:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration

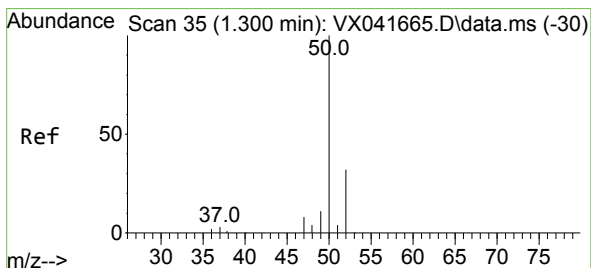
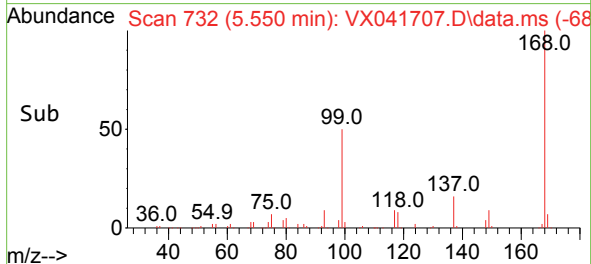
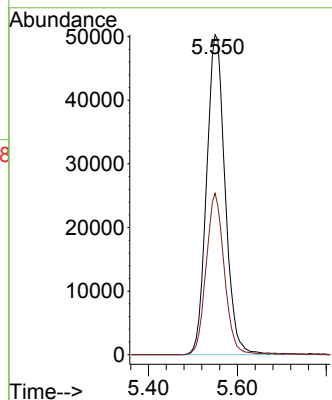
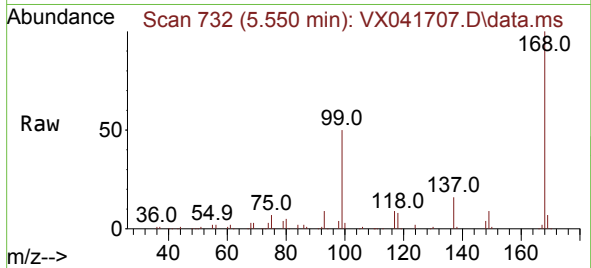




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

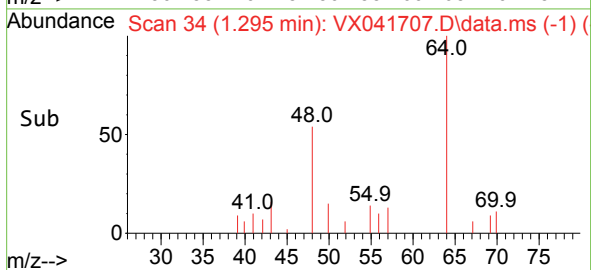
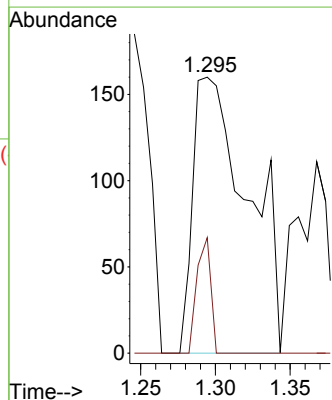
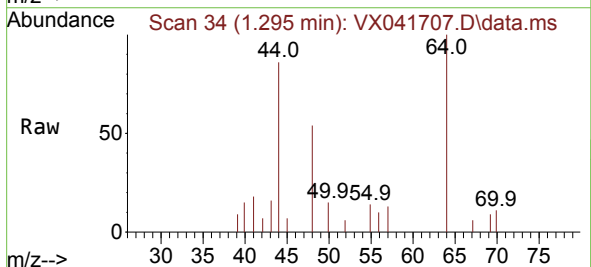
Instrument :
MSVOA_X
ClientSampleId :

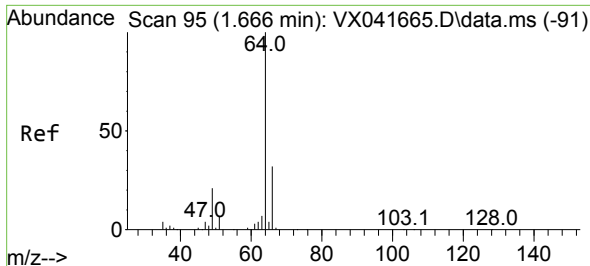
Tgt Ion:168 Resp: 145455
Ion Ratio Lower Upper
168 100
99 50.5 56.6 85.0#



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

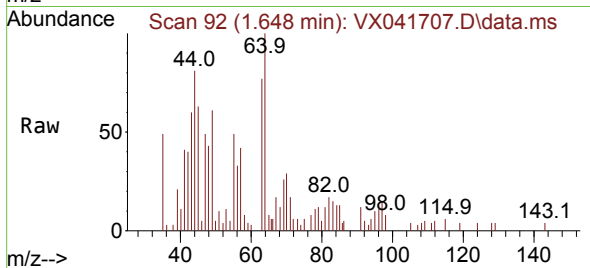
Tgt Ion: 50 Resp: 408
Ion Ratio Lower Upper
50 100
52 41.9 25.5 38.3#



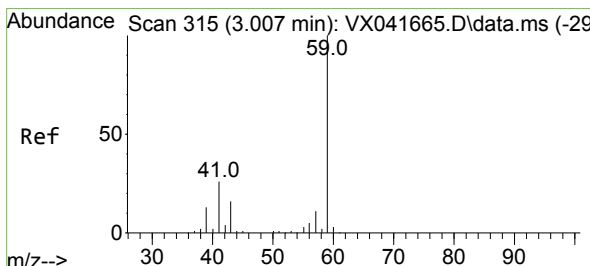
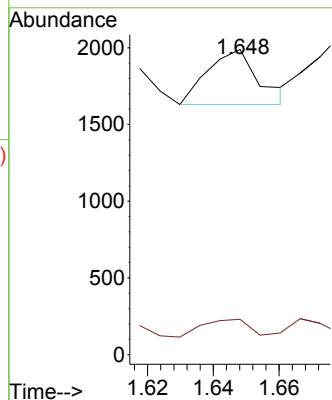
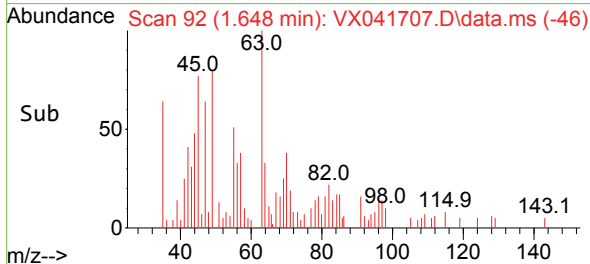


#6
Chloroethane
Concen: 0.446 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :

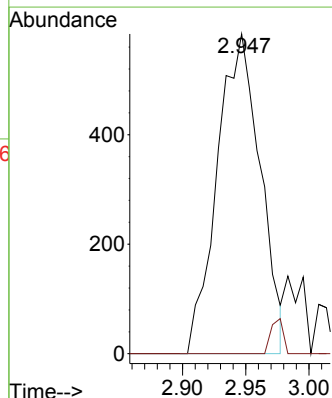
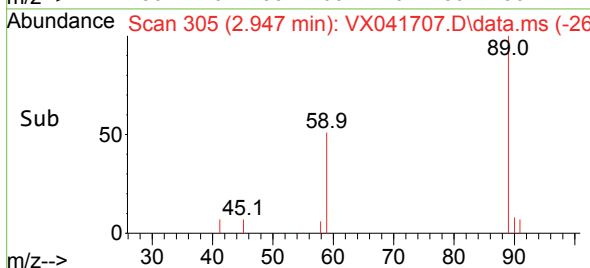
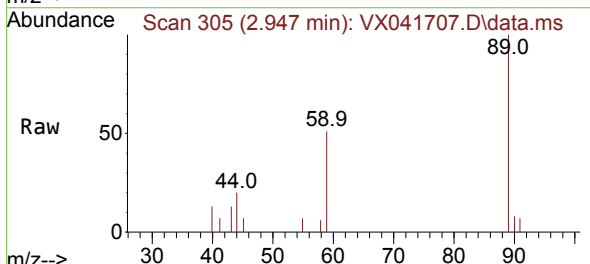


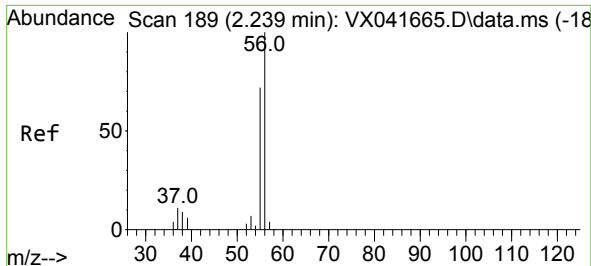
Tgt Ion: 64 Resp: 387
Ion Ratio Lower Upper
64 100
66 32.2 25.1 37.7



#11
Tert butyl alcohol
Concen: 4.376 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

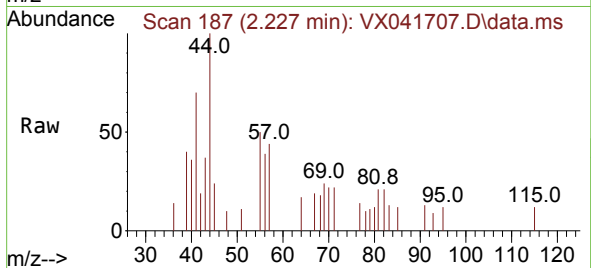
Tgt Ion: 59 Resp: 1381
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



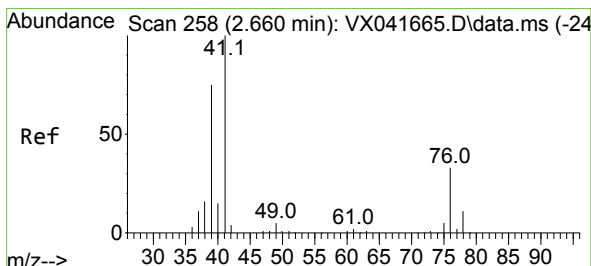
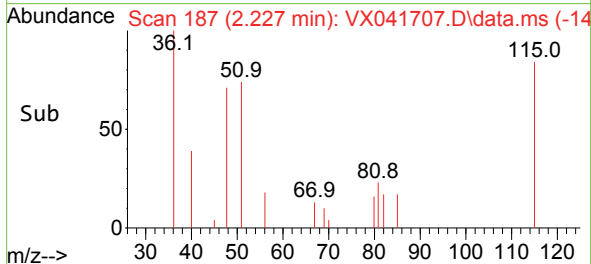


#13
Acrolein
Concen: 0.970 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :

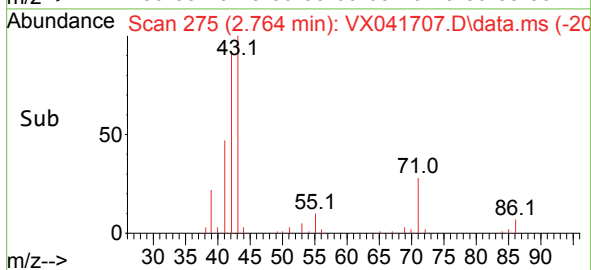
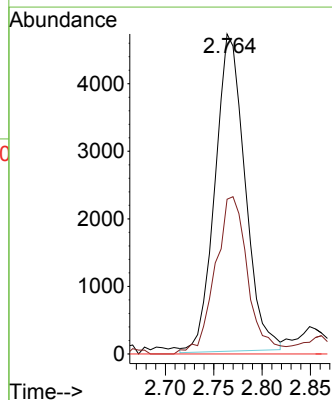
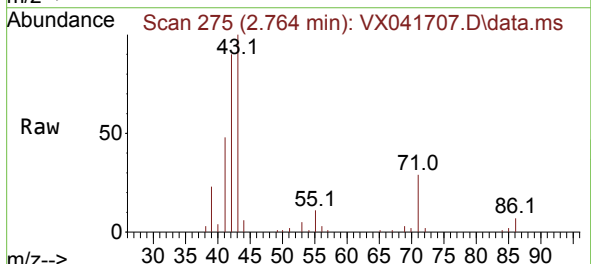


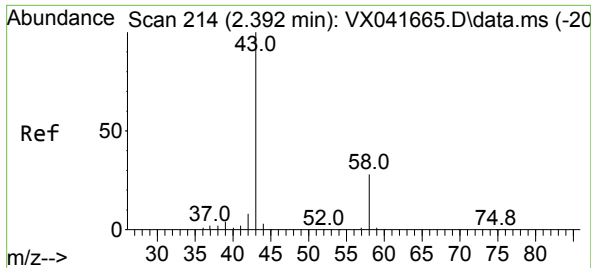
Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#14
Allyl chloride
Concen: 4.743 ug/l
RT: 2.764 min Scan# 275
Delta R.T. 0.104 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 41 Resp: 10118
Ion Ratio Lower Upper
41 100
39 54.0 55.8 83.6#
76 0.0 24.3 36.5#

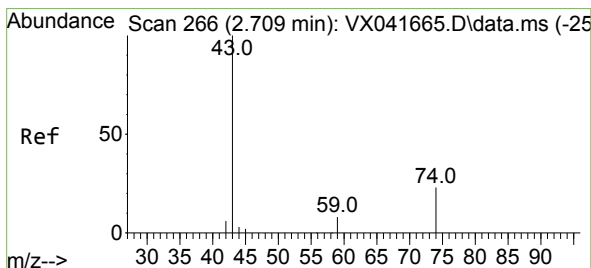
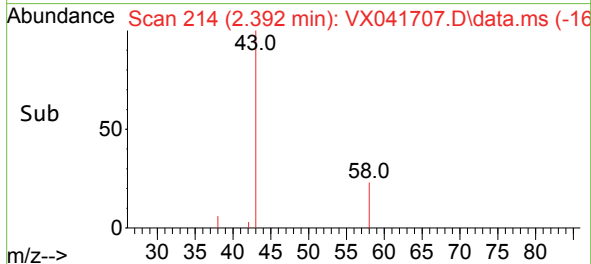
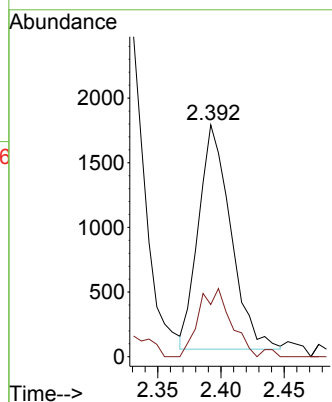
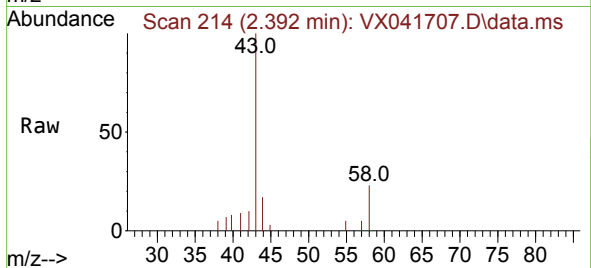




#16
Acetone
Concen: 1.241 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

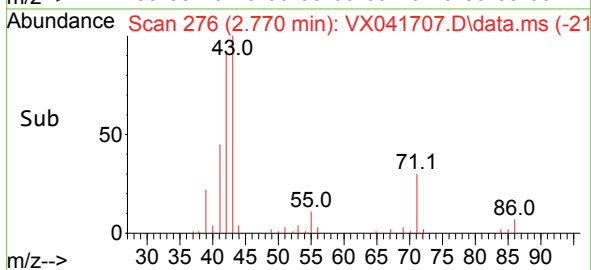
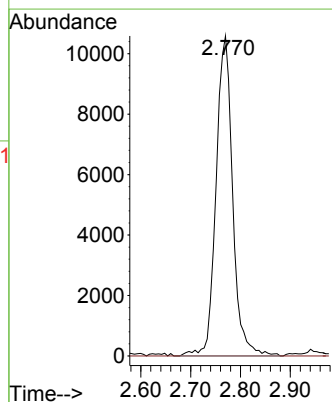
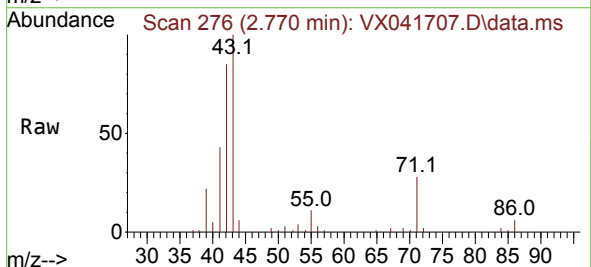
Instrument :
MSVOA_X
ClientSampleId :

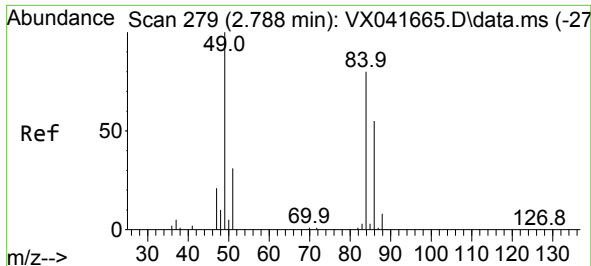
Tgt Ion: 43 Resp: 3078
Ion Ratio Lower Upper
43 100
58 23.6 21.9 32.9



#18
Methyl Acetate
Concen: 14.385 ug/l
RT: 2.770 min Scan# 276
Delta R.T. 0.061 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 43 Resp: 24503
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#





#20

Methylene Chloride

Concen: 0.440 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

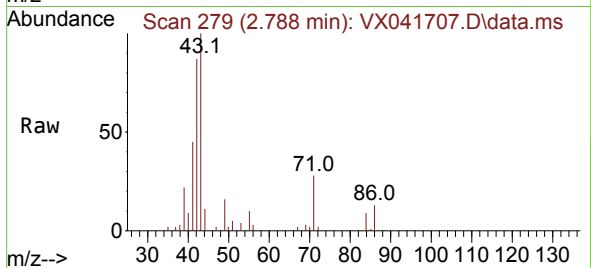
Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 703

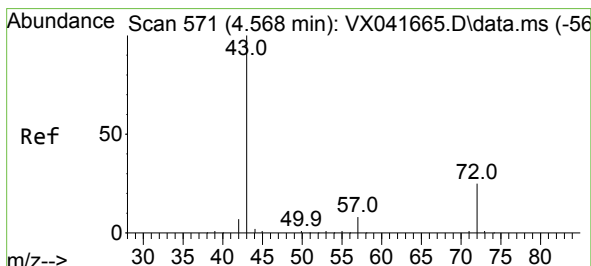
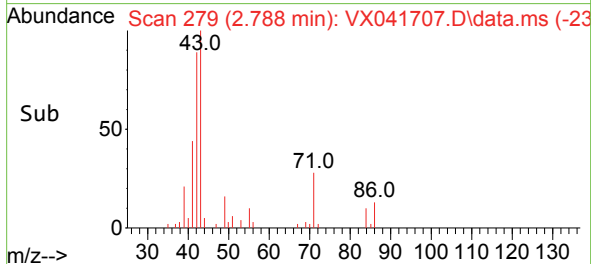
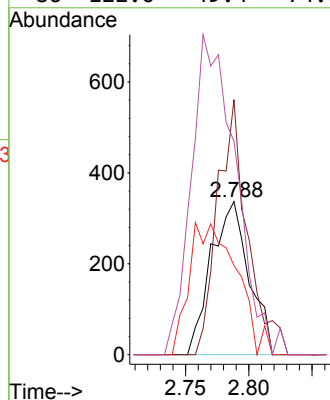
Ion Ratio Lower Upper

84 100

49 166.5 103.6 155.4#

51 58.2 33.8 50.6#

86 122.0 49.4 74.0#



#25

2-Butanone

Concen: 0.305 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.049 min

Lab File: VX041707.D

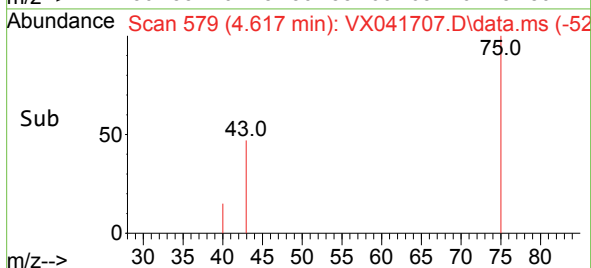
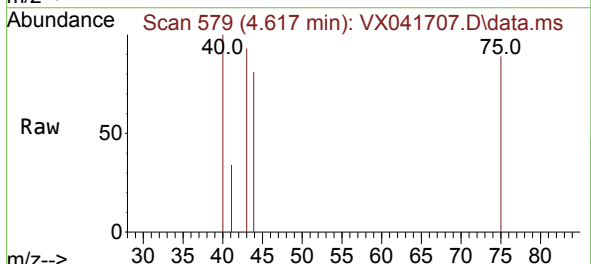
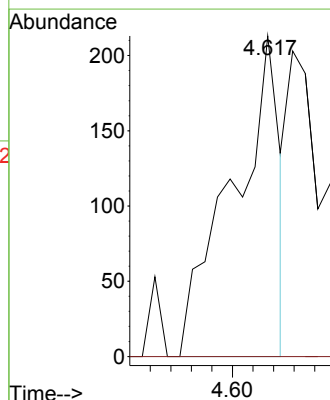
Acq: 03 Jun 2024 16:17

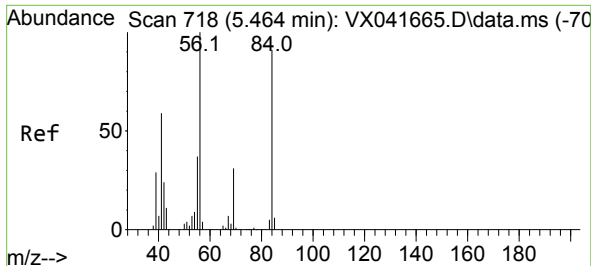
Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

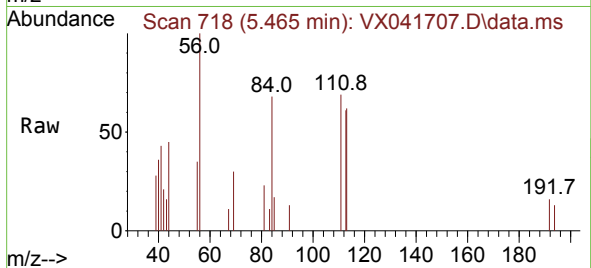
72 0.0 19.4 29.2#



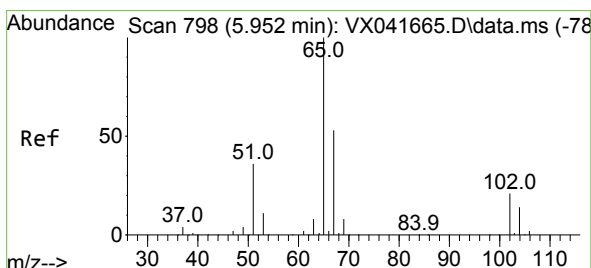
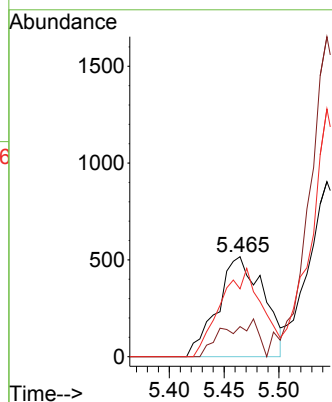
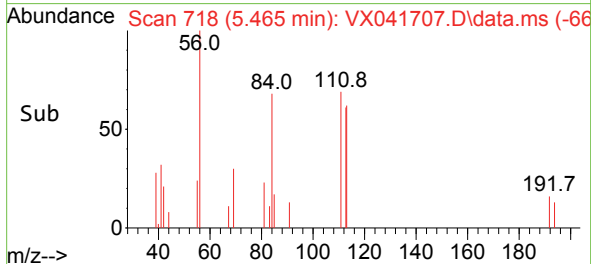


#31
Cyclohexane
Concen: 0.713 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

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MSVOA_X
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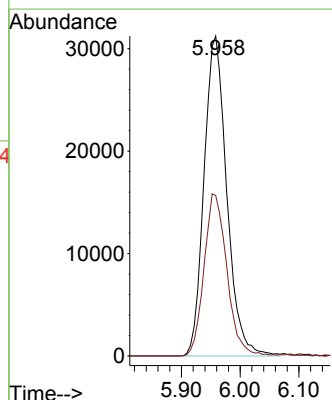
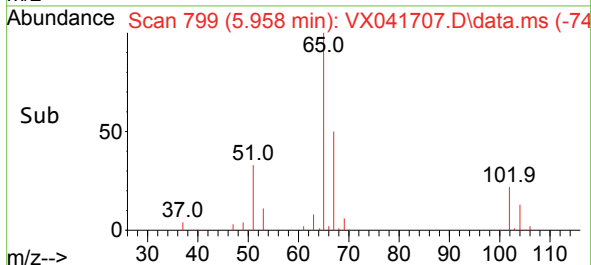
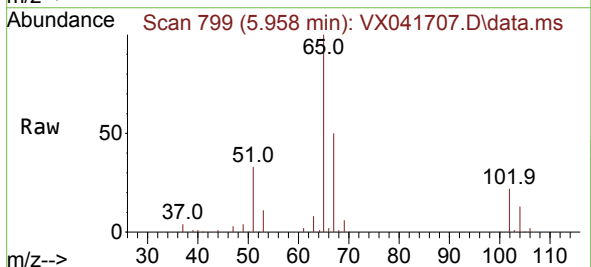


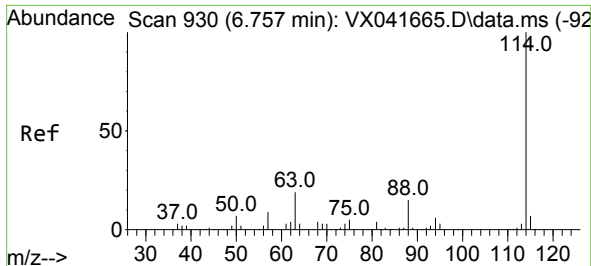
Tgt Ion: 56 Resp: 1502
Ion Ratio Lower Upper
56 100
69 30.0 23.4 35.2
84 67.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 47.089 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 65 Resp: 84005
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

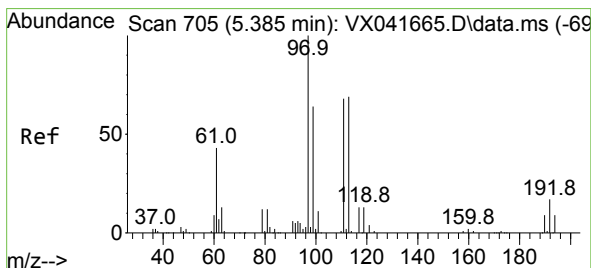
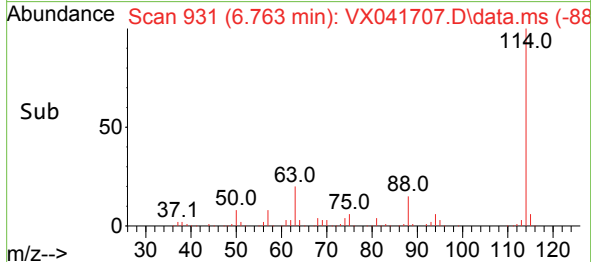
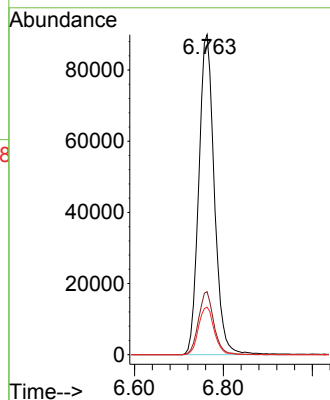
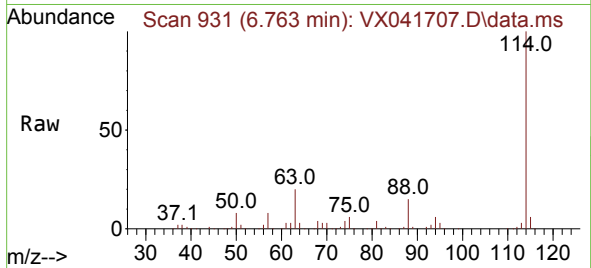




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

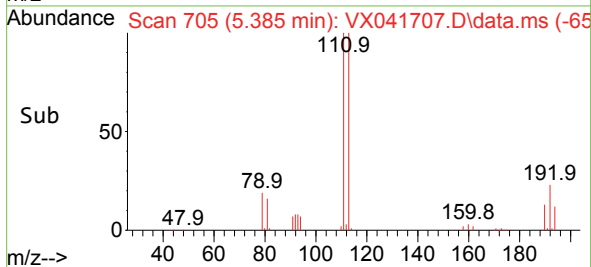
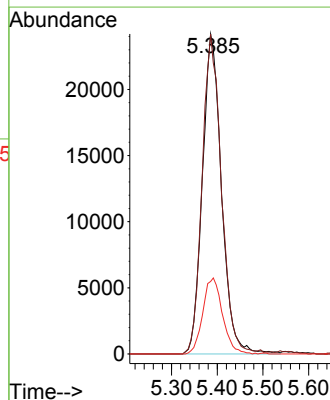
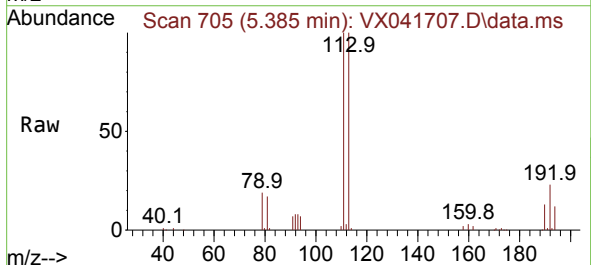
Instrument :
MSVOA_X
ClientSampleId :

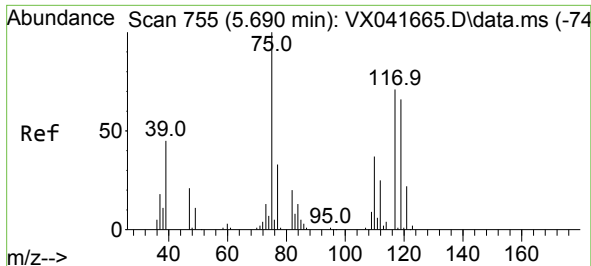
Tgt Ion:114 Resp: 218687
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.572 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

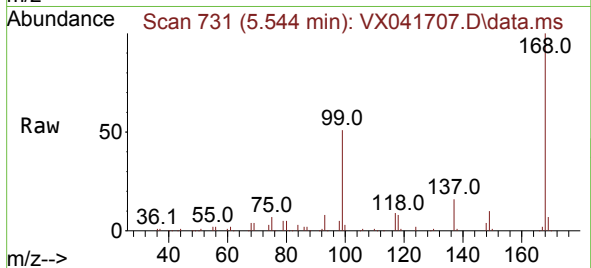
Tgt Ion:113 Resp: 70416
Ion Ratio Lower Upper
113 100
111 100.1 82.9 124.3
192 24.4 13.3 19.9#



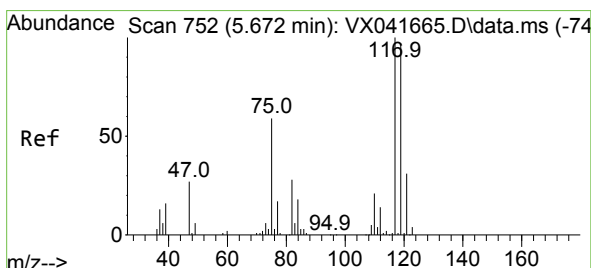
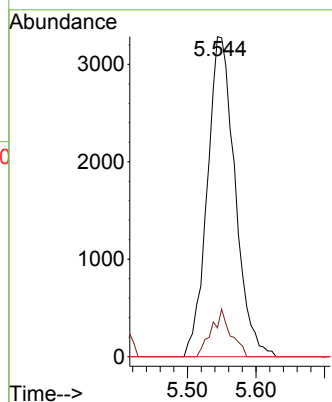
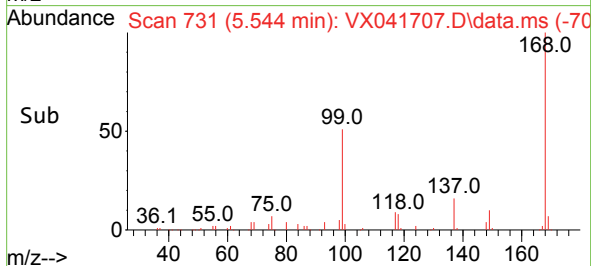


#36
1,1-Dichloropropene
Concen: 5.039 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :

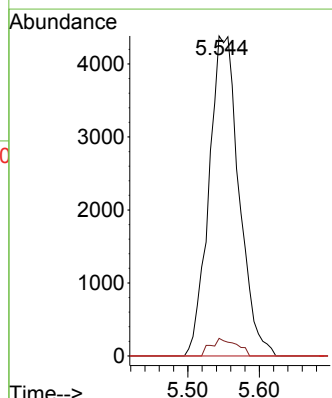
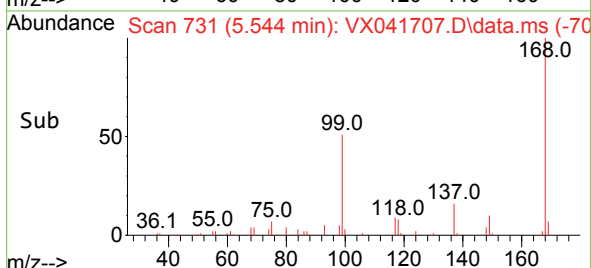
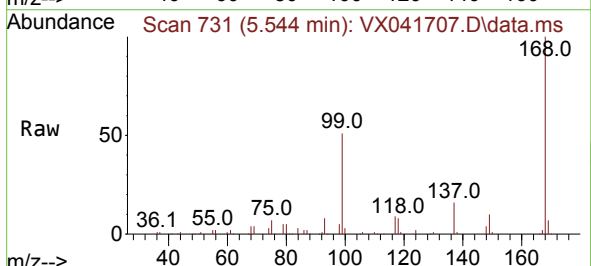


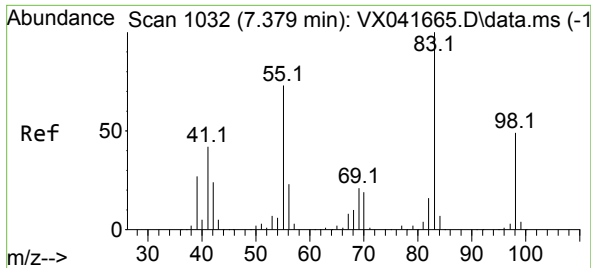
Tgt Ion: 75 Resp: 9225
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 117 Resp: 12808
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.399 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :

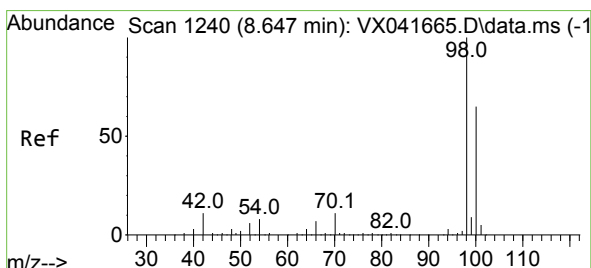
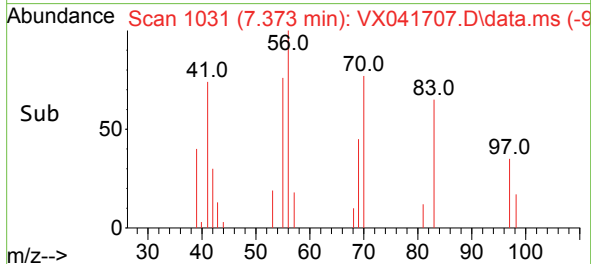
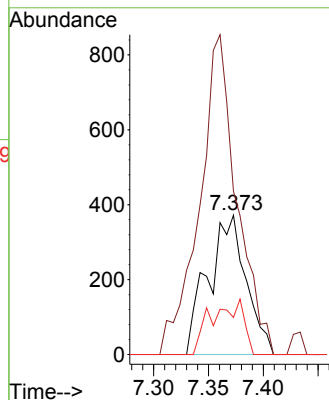
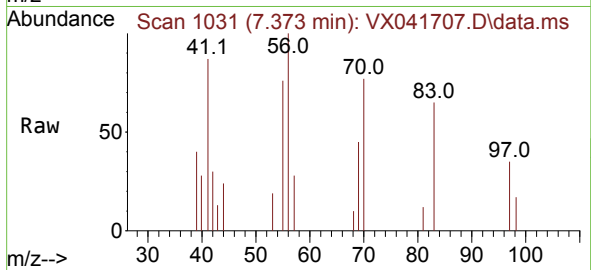
Tgt Ion: 83 Resp: 898

Ion Ratio Lower Upper

83 100

55 117.2 64.6 97.0#

98 26.6 36.7 55.1#



#50

Toluene-d8

Concen: 48.481 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041707.D

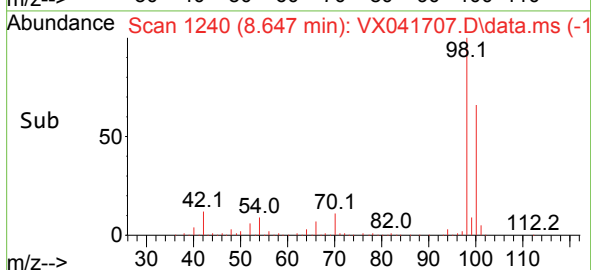
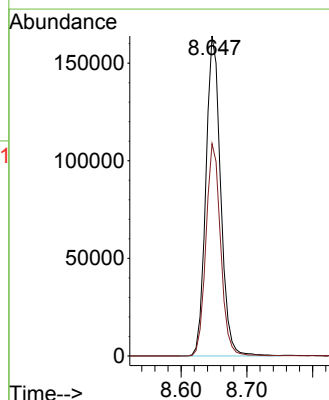
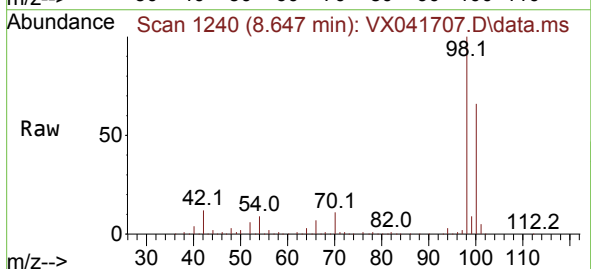
Acq: 03 Jun 2024 16:17

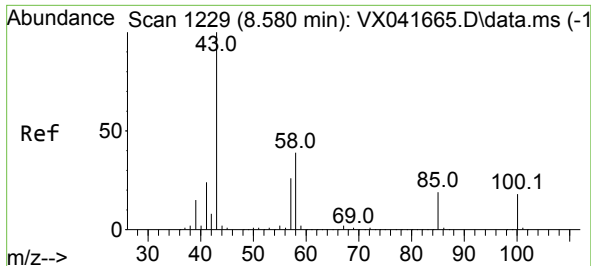
Tgt Ion: 98 Resp: 256128

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7

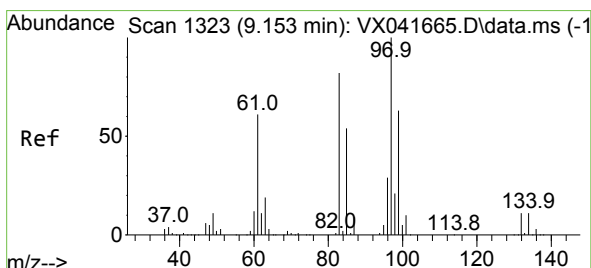
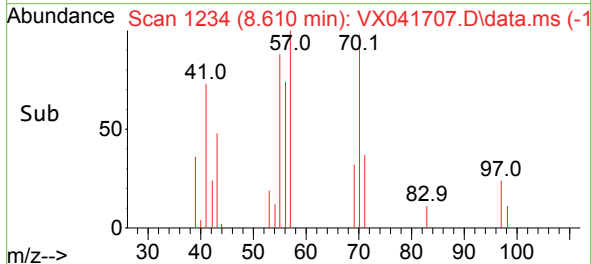
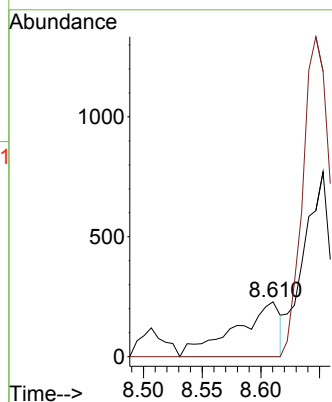
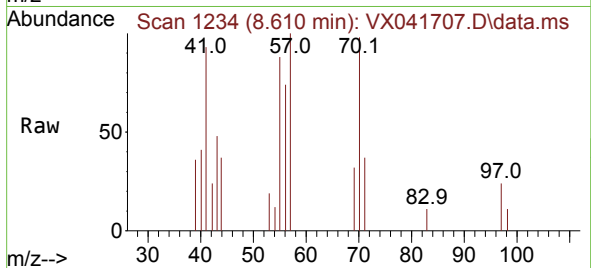




#51
4-Methyl-2-Pentanone
Concen: 0.267 ug/l
RT: 8.610 min Scan# 11
Delta R.T. 0.031 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

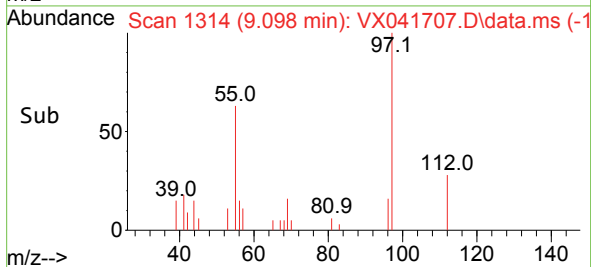
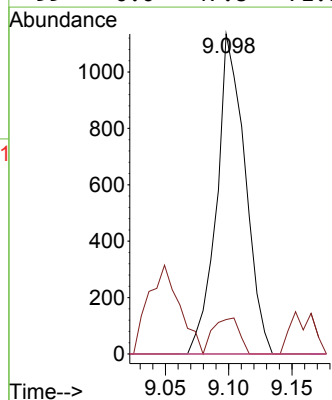
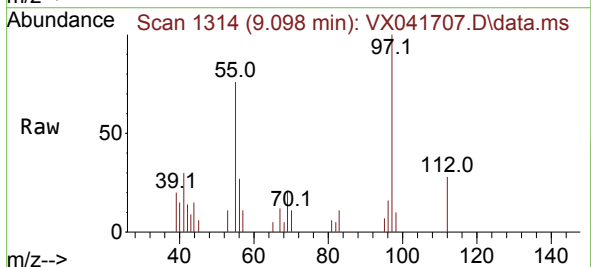
Instrument :
MSVOA_X
ClientSampleId :

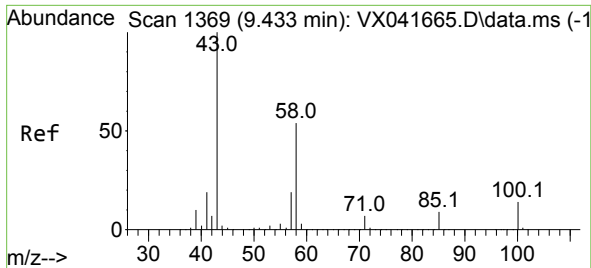
Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 1.210 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 97 Resp: 1771
Ion Ratio Lower Upper
97 100
83 10.7 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#

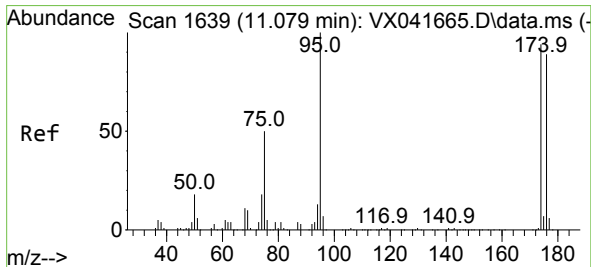
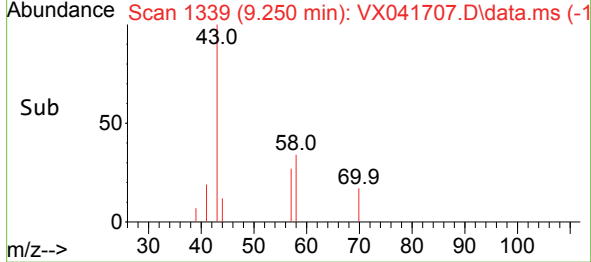
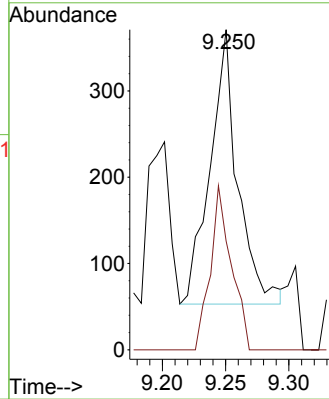
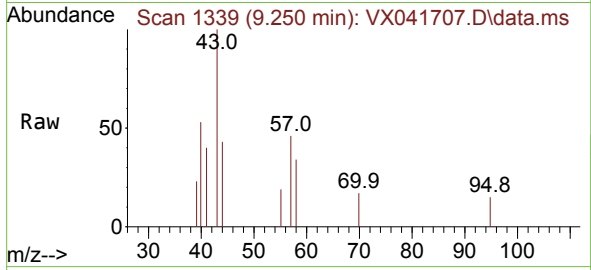




#59
2-Hexanone
Concen: 0.280 ug/l
RT: 9.250 min Scan# 11
Delta R.T. -0.183 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

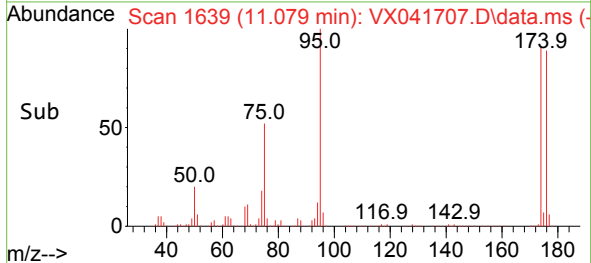
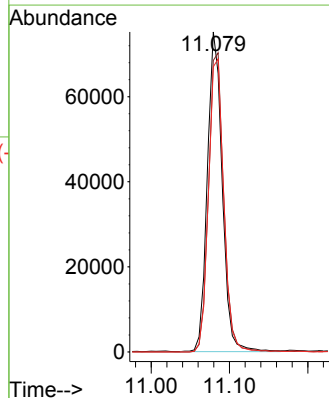
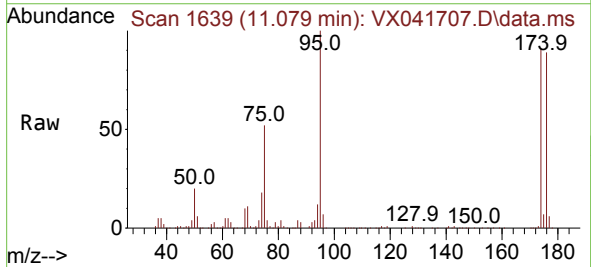
Instrument :
MSVOA_X
ClientSampleId :

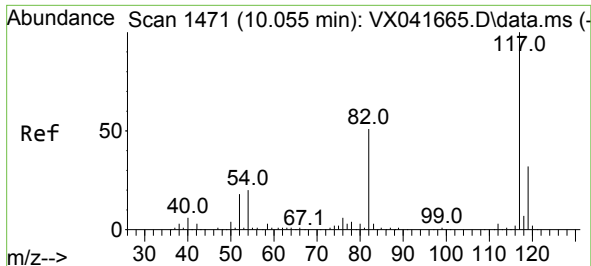
Tgt Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
58 45.3 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

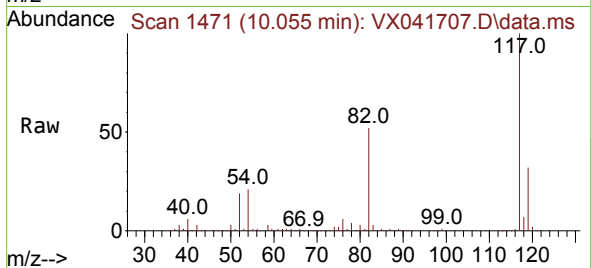
Tgt Ion: 95 Resp: 98792
Ion Ratio Lower Upper
95 100
174 95.6 0.0 135.6
176 94.3 0.0 131.0



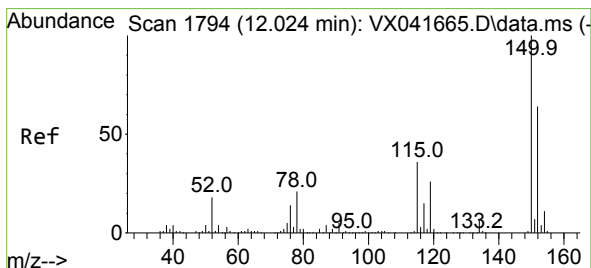
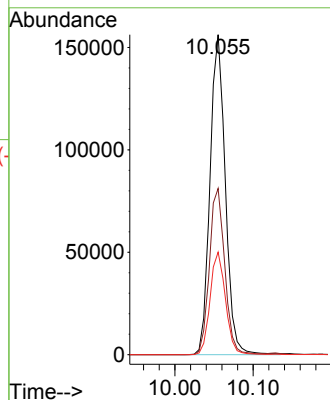
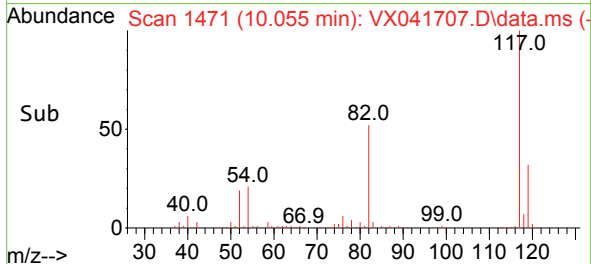


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

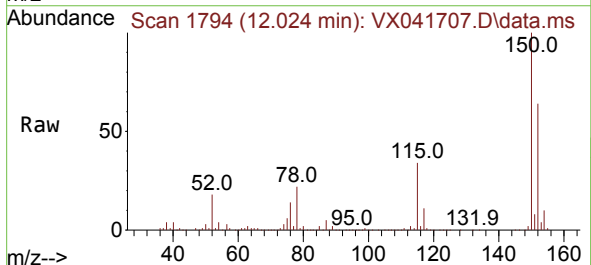
Instrument :
MSVOA_X
ClientSampleId :



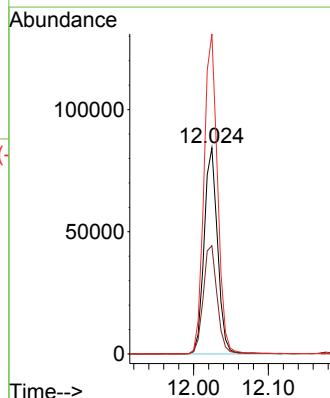
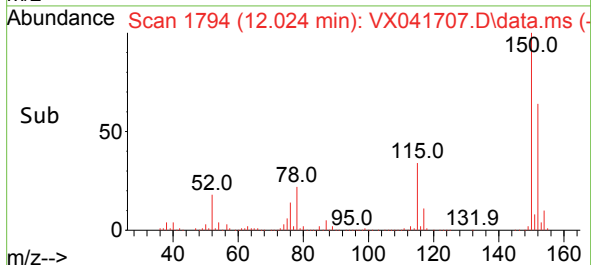
Tgt Ion:117 Resp: 211817
Ion Ratio Lower Upper
117 100
82 52.0 46.2 69.4
119 32.0 25.5 38.3

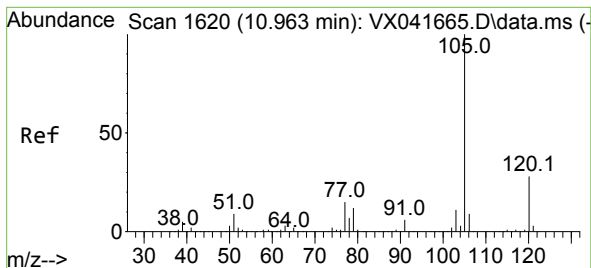


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17



Tgt Ion:152 Resp: 105573
Ion Ratio Lower Upper
152 100
115 54.4 43.3 129.9
150 157.0 0.0 345.0





#73

Isopropylbenzene

Concen: 0.679 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

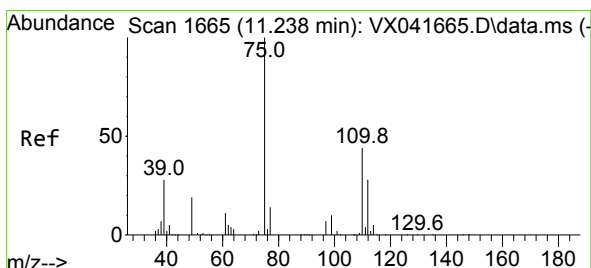
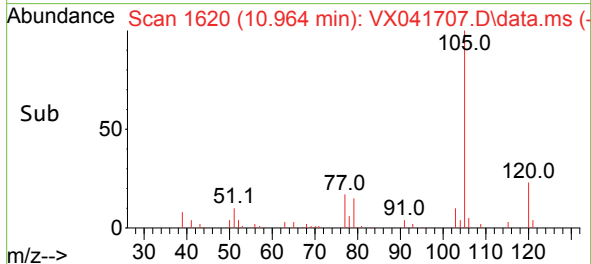
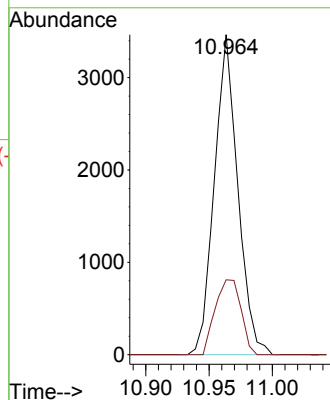
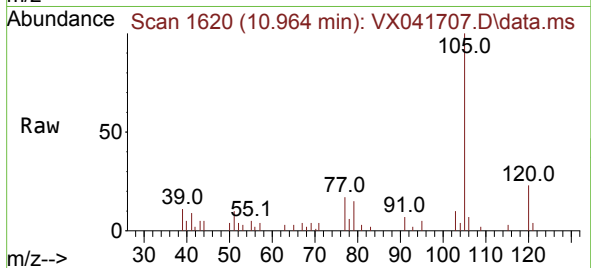
ClientSampleId :

Tgt Ion:105 Resp: 4449

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 27.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041707.D

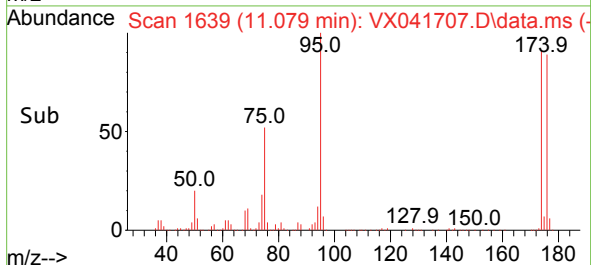
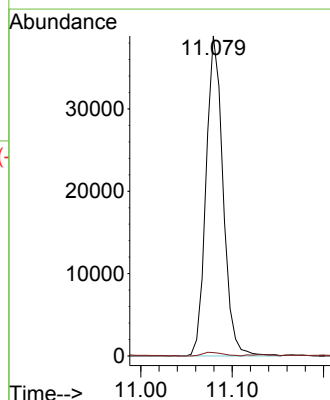
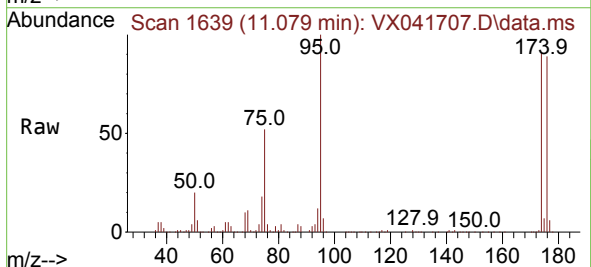
Acq: 03 Jun 2024 16:17

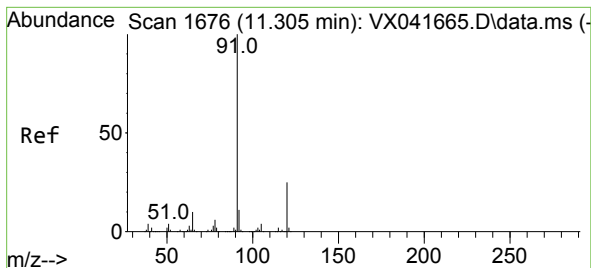
Tgt Ion: 75 Resp: 50063

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#





#78

n-propylbenzene

Concen: 0.490 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

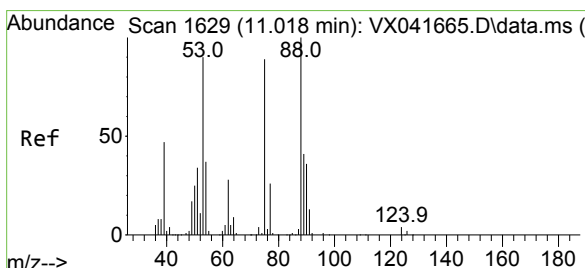
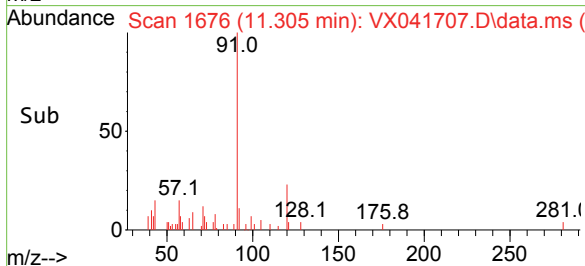
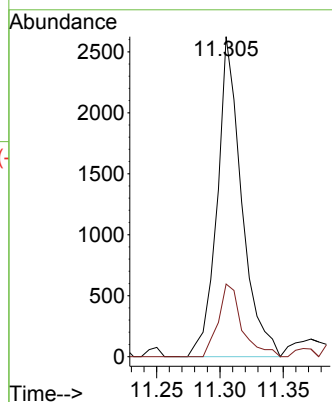
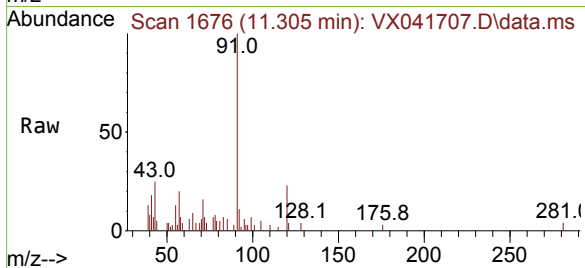
ClientSampleId :

Tgt Ion: 91 Resp: 3524

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 74.074 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

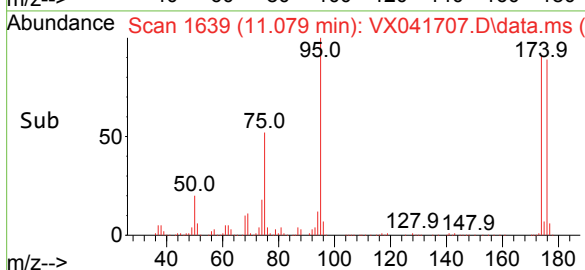
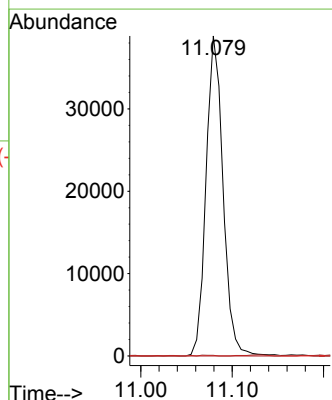
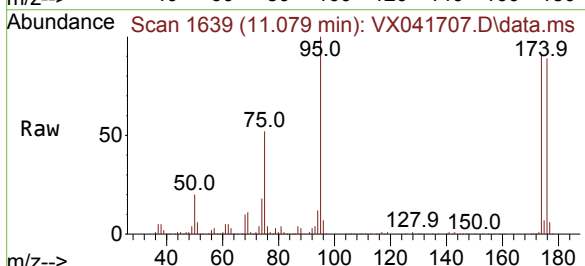
Tgt Ion: 75 Resp: 50063

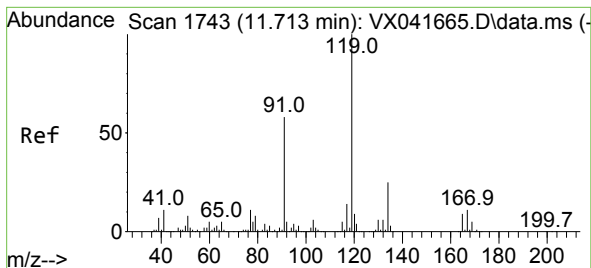
Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.256 ug/l

RT: 11.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041707.D

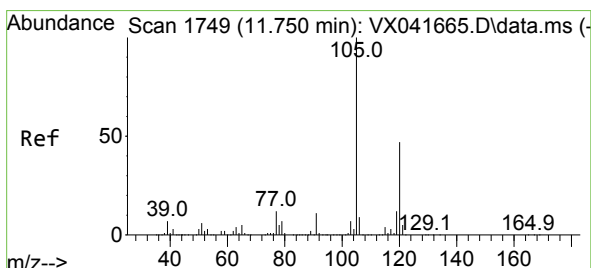
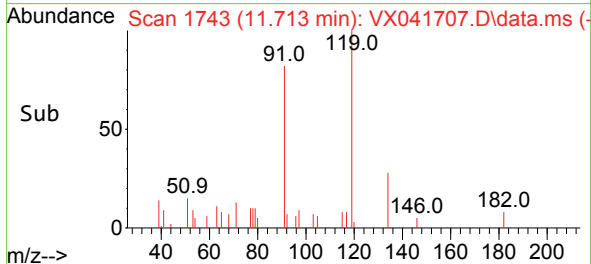
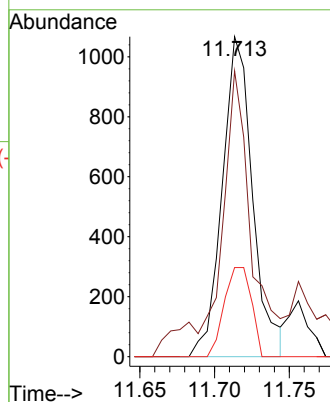
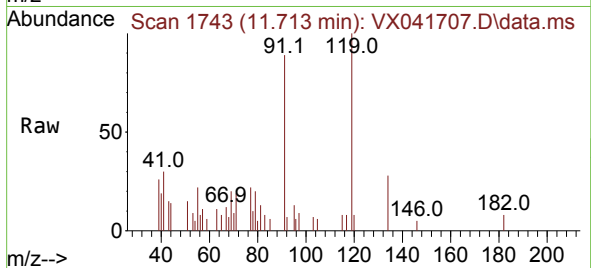
Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	119	Resp:	1506
Ion	Ratio	Lower	Upper
119	100		
91	91.6	31.2	93.6
134	24.8	11.7	35.0



#84

1,2,4-Trimethylbenzene

Concen: 0.309 ug/l

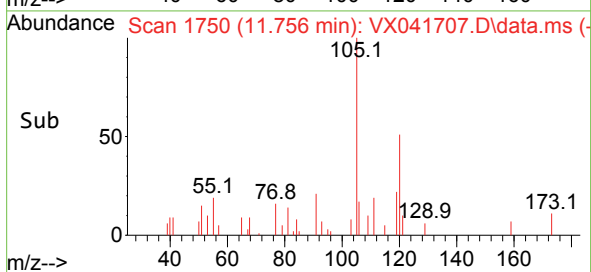
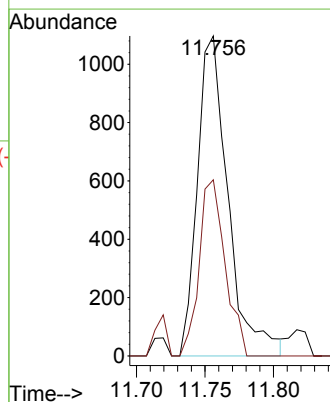
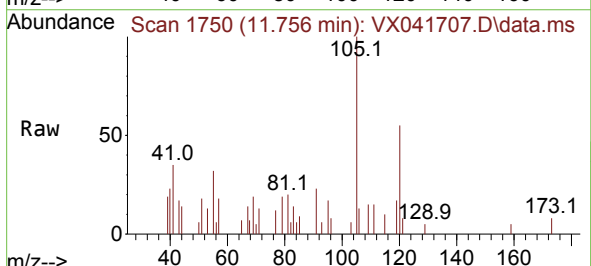
RT: 11.756 min Scan# 1750

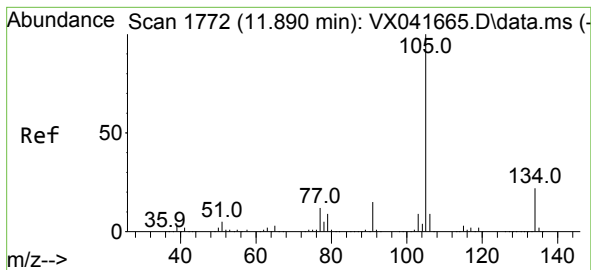
Delta R.T. 0.006 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Tgt Ion:	105	Resp:	1711
Ion	Ratio	Lower	Upper
105	100		
120	46.5	21.2	63.6





#85

sec-Butylbenzene

Concen: 0.621 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

Instrument :

MSVOA_X

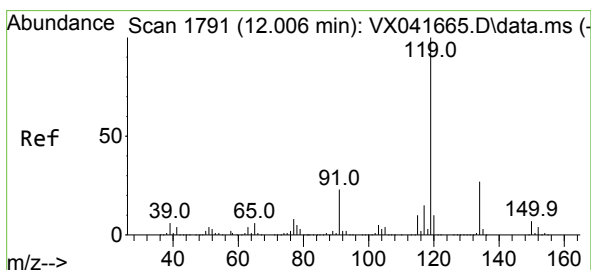
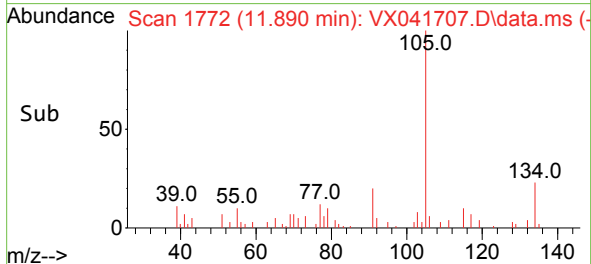
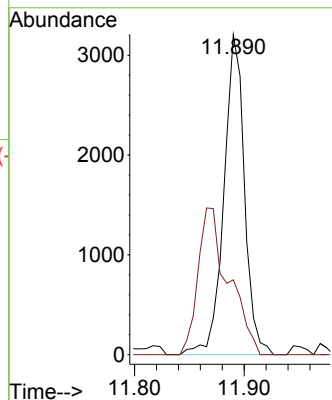
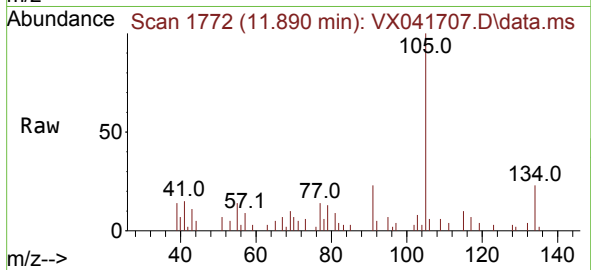
ClientSampleId :

Tgt Ion:105 Resp: 4194

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 1.426 ug/l

RT: 12.177 min Scan# 1819

Delta R.T. 0.171 min

Lab File: VX041707.D

Acq: 03 Jun 2024 16:17

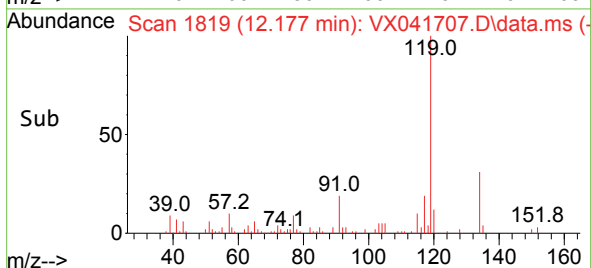
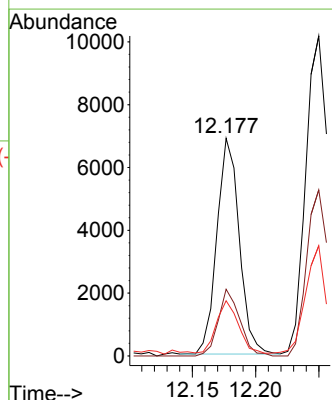
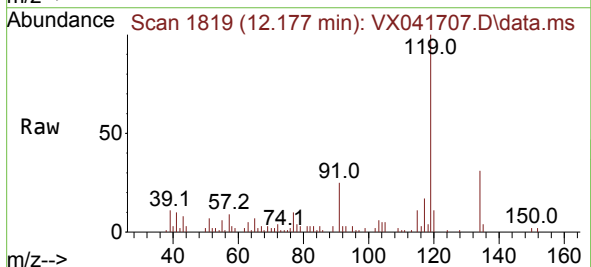
Tgt Ion:119 Resp: 8445

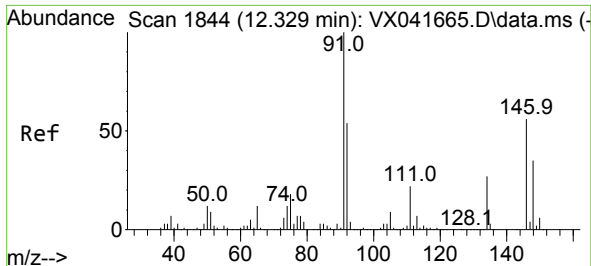
Ion Ratio Lower Upper

119 100

134 29.7 12.8 38.3

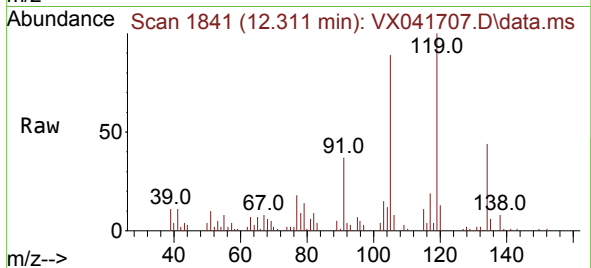
91 23.6 13.1 39.3



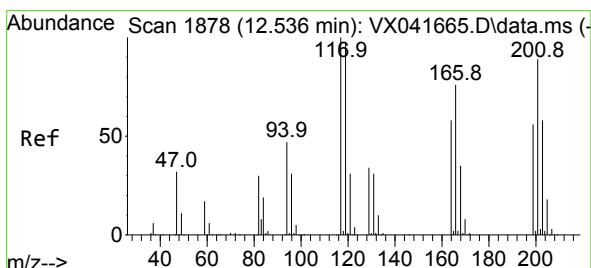
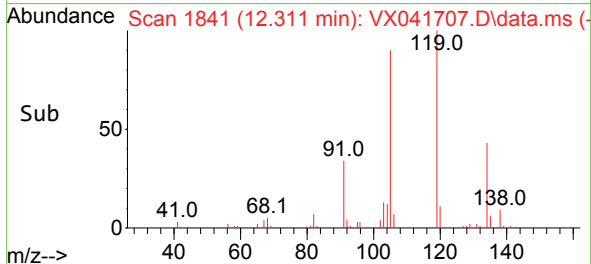
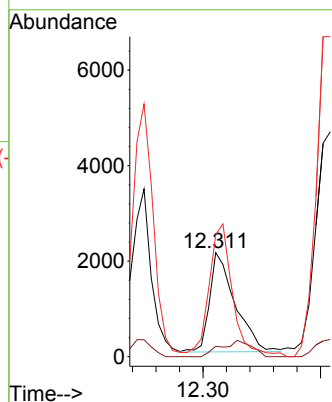


#89
n-Butylbenzene
Concen: 0.670 ug/l
RT: 12.311 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :

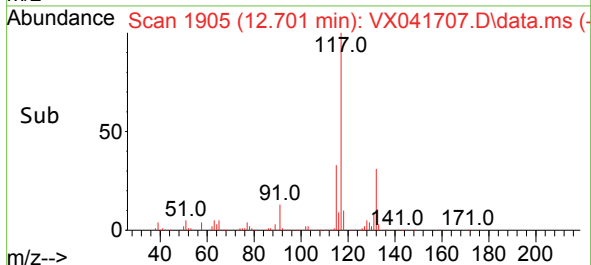
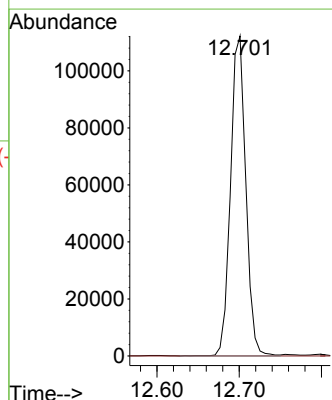
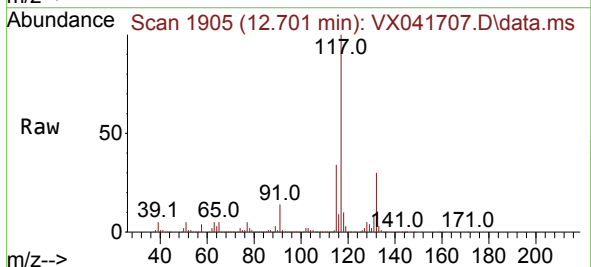


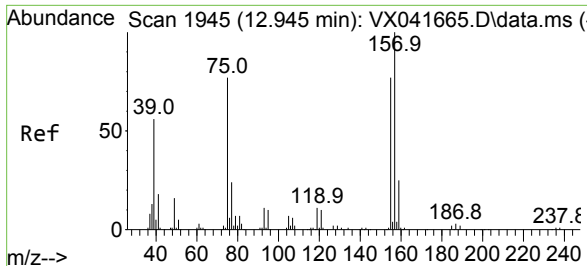
Tgt Ion: 91 Resp: 3141
Ion Ratio Lower Upper
91 100
92 19.6 27.4 82.0#
134 122.6 12.6 37.8#



#90
Hexachloroethane
Concen: 144.250 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 117 Resp: 145294
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

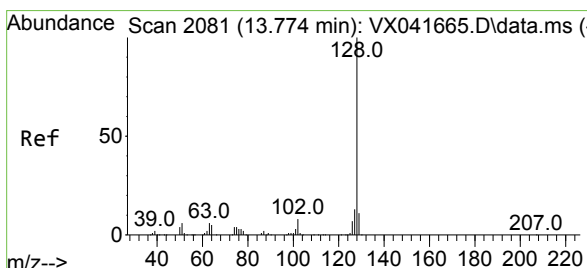
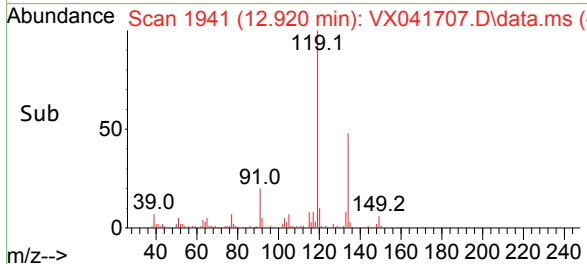
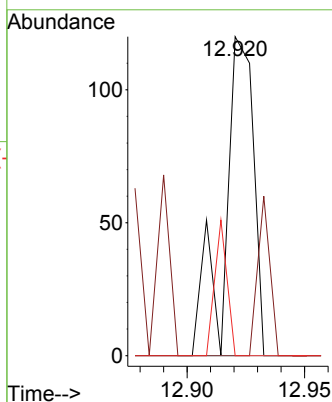
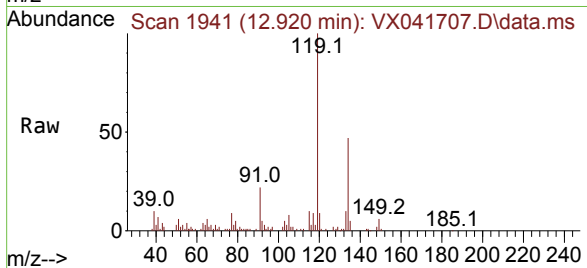




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.219 ug/l
RT: 12.920 min Scan# 1945
Delta R.T. -0.024 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 103
Ion Ratio Lower Upper
75 100
155 21.4 36.1 108.5#
157 18.4 44.9 134.7#



#95
Naphthalene
Concen: 0.315 ug/l
RT: 13.750 min Scan# 2077
Delta R.T. -0.024 min
Lab File: VX041707.D
Acq: 03 Jun 2024 16:17

Tgt Ion: 128 Resp: 2152
Ion Ratio Lower Upper
128 100
127 28.3 10.3 15.5#
129 73.1 8.8 13.2#

