

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060624\
 Data File : VX041769.D
 Acq On : 06 Jun 2024 12:00
 Operator : JC/MD
 Sample : P2749-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 00:58:53 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

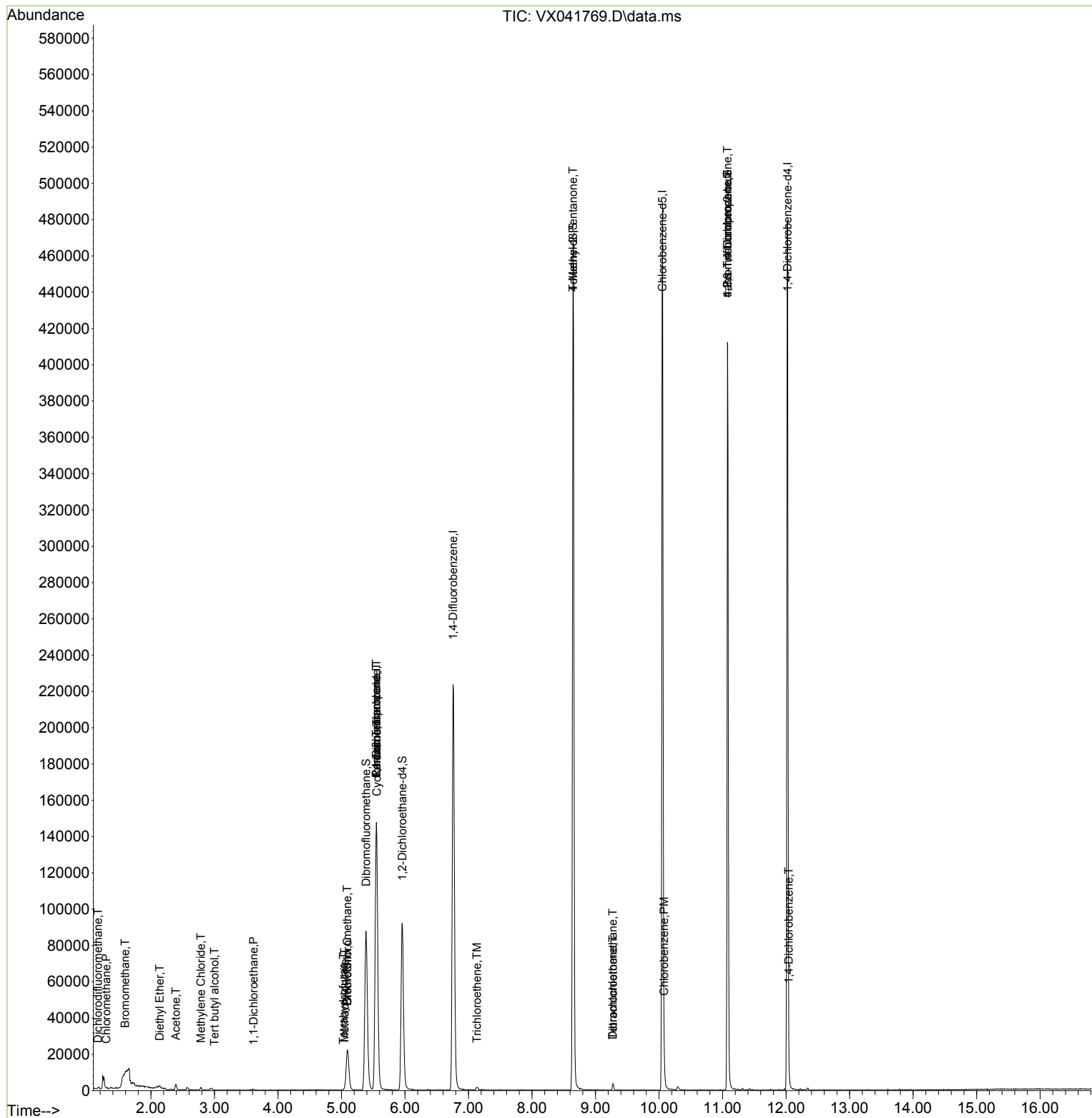
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	154730	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	236175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91325	48.124	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.240%
35) Dibromofluoromethane	5.385	113	75132	46.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.020%
50) Toluene-d8	8.647	98	277153	48.576	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.160%
62) 4-Bromofluorobenzene	11.079	95	102500	48.675	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.340%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	617	0.454	ug/l	82
3) Chloromethane	1.294	50	322	0.217	ug/l	# 43
5) Bromomethane	1.593	94	424	0.399	ug/l	# 48
8) Diethyl Ether	2.136	74	416	0.433	ug/l	94
11) Tert butyl alcohol	3.001	59	82	0.244	ug/l	# 78
16) Acetone	2.392	43	3121	1.057	ug/l	# 86
20) Methylene Chloride	2.788	84	745	0.439	ug/l	# 69
24) 1,1-Dichloroethane	3.617	63	719	0.274	ug/l	# 83
28) Bromochloromethane	5.093	49	2154	1.907	ug/l	# 16
29) Tetrahydrofuran	5.032	42	271	0.364	ug/l	# 34
30) Chloroform	5.093	83	27192	9.877	ug/l	99
31) Cyclohexane	5.556	56	2737	1.222	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9934	5.024	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	13254	5.900	ug/l	# 15
41) Methacrylonitrile	5.050	41	281	0.230	ug/l	# 42
44) Trichloroethene	7.135	130	812	0.483	ug/l	76
51) 4-Methyl-2-Pentanone	8.647	43	1387	0.568	ug/l	# 1
60) Dibromochloromethane	9.275	129	603	0.344	ug/l	# 11
64) Tetrachloroethene	9.275	164	707	0.412	ug/l	# 90
65) Chlorobenzene	10.079	112	4862	0.989	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	52854	27.095	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	52854	73.847	ug/l	# 5
88) 1,4-Dichlorobenzene	12.043	146	1738	0.461	ug/l	# 51

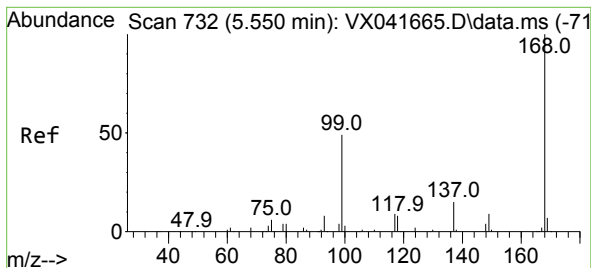
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

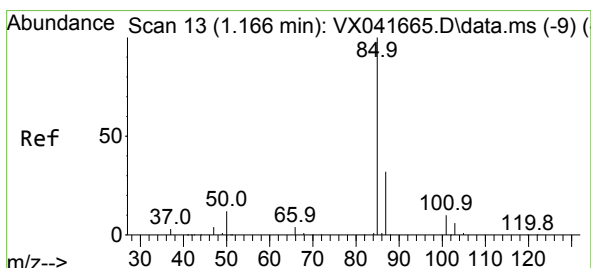
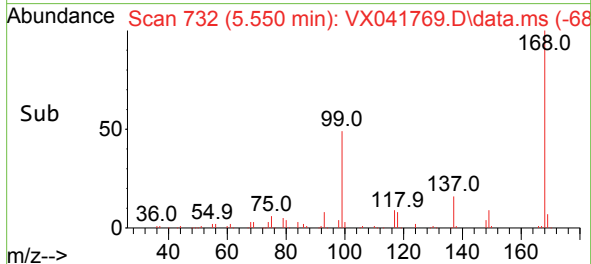
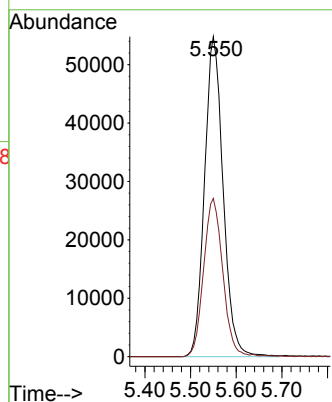
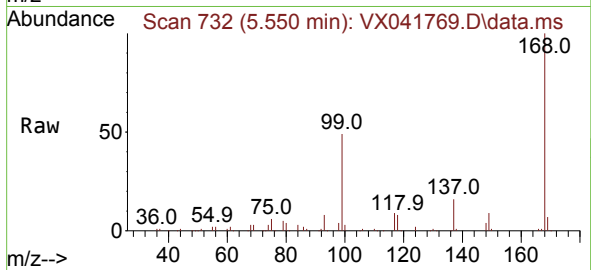
ClientSampleId :

Tgt Ion:168 Resp: 154730

Ion Ratio Lower Upper

168 100

99 49.4 56.6 85.0#



#2

Dichlorodifluoromethane

Concen: 0.454 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX041769.D

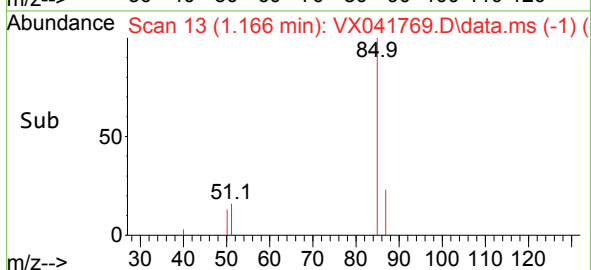
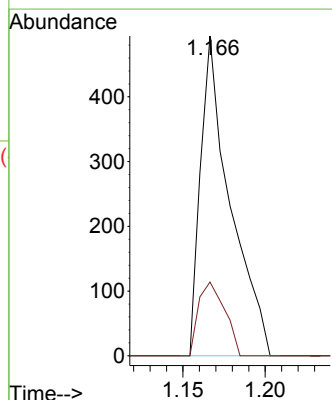
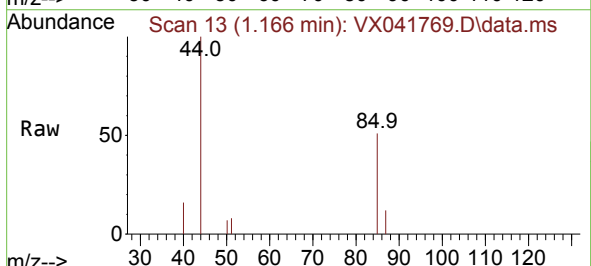
Acq: 06 Jun 2024 12:00

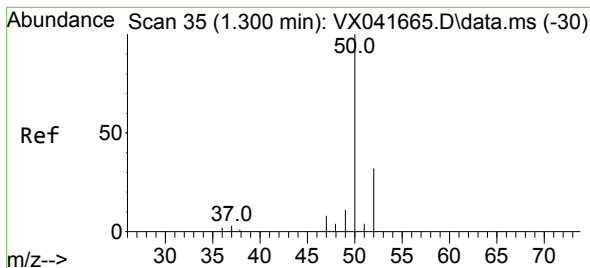
Tgt Ion: 85 Resp: 617

Ion Ratio Lower Upper

85 100

87 23.1 16.7 50.1





#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

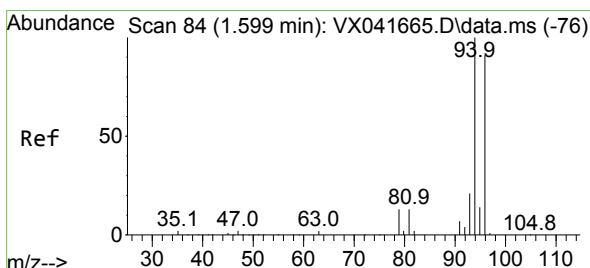
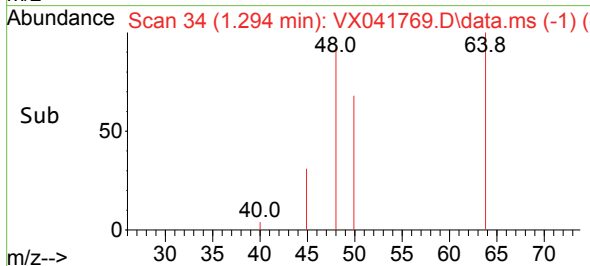
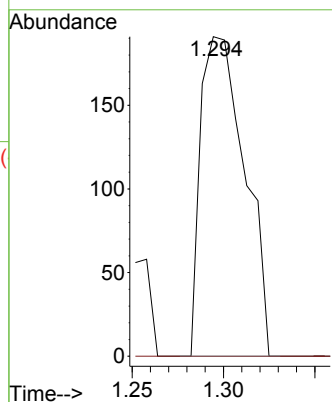
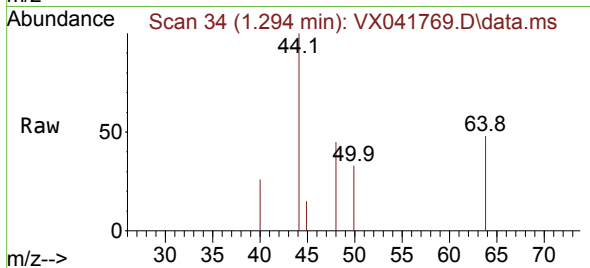
ClientSampleId :

Tgt Ion: 50 Resp: 322

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#5

Bromomethane

Concen: 0.399 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX041769.D

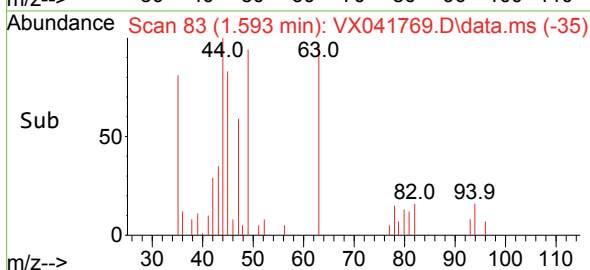
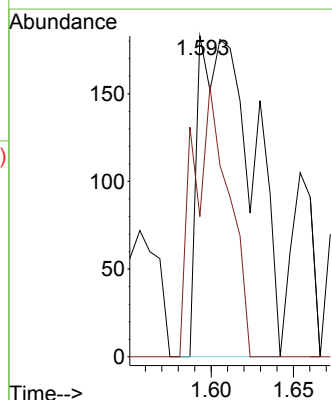
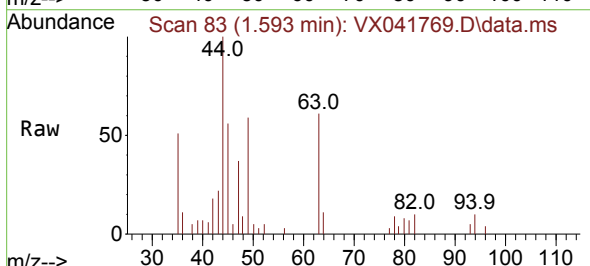
Acq: 06 Jun 2024 12:00

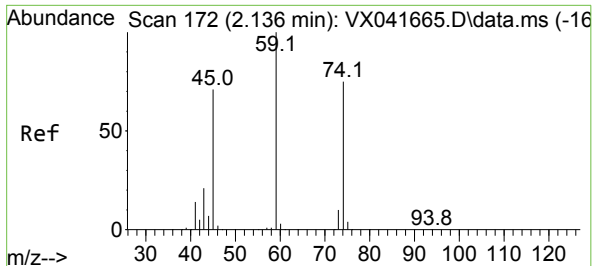
Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

94 100

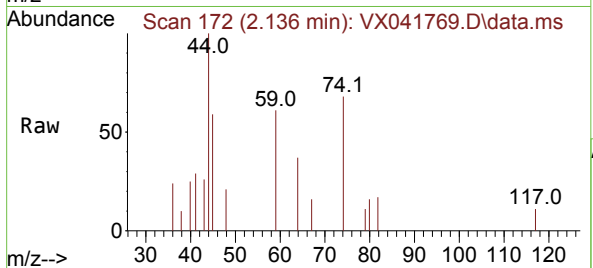
96 43.7 74.6 111.8#



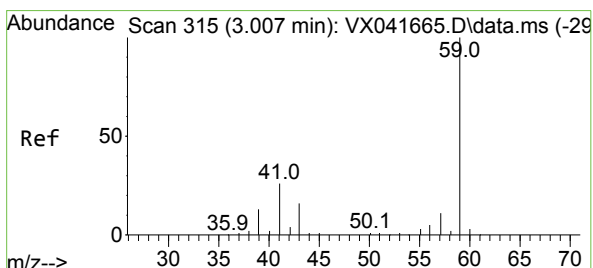
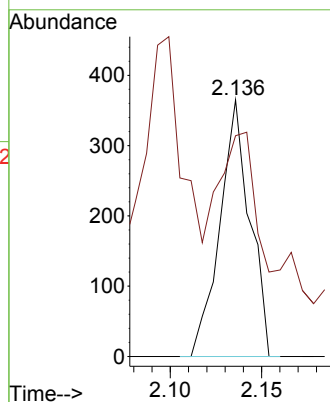
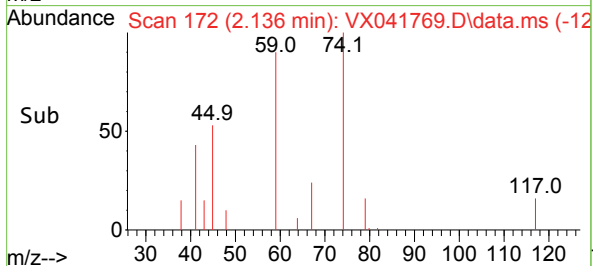


#8
Diethyl Ether
Concen: 0.433 ug/l
RT: 2.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

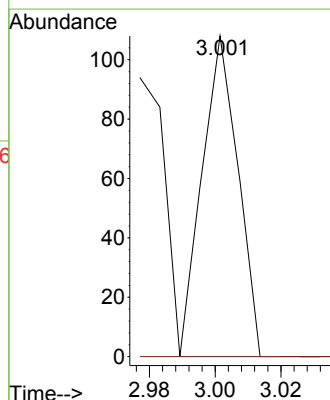
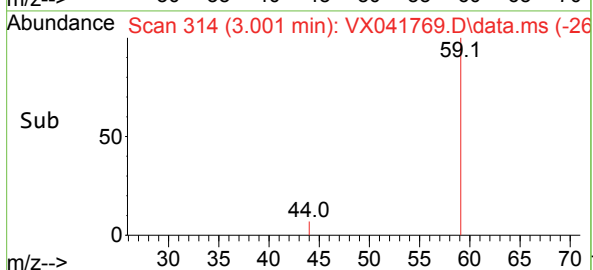
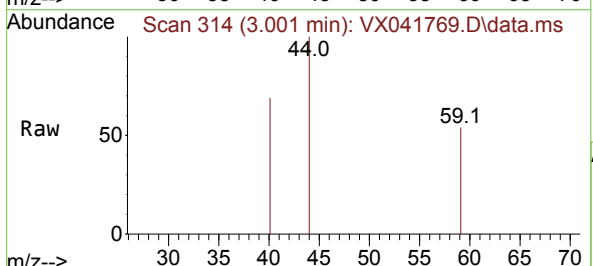


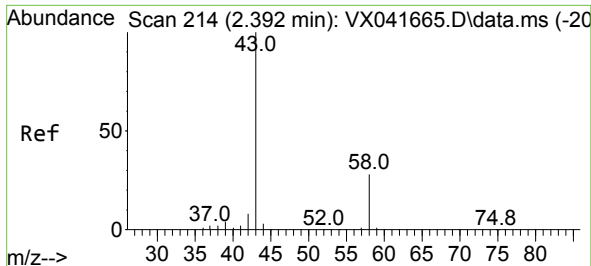
Tgt Ion: 74 Resp: 416
Ion Ratio Lower Upper
74 100
45 112.3 53.3 159.8



#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.006 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 1.057 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

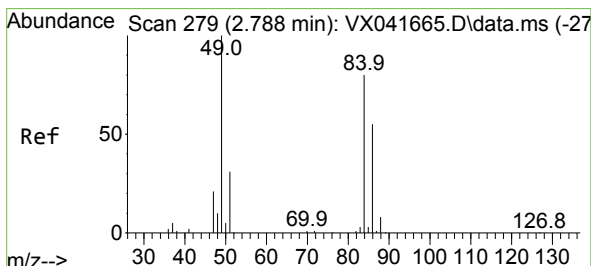
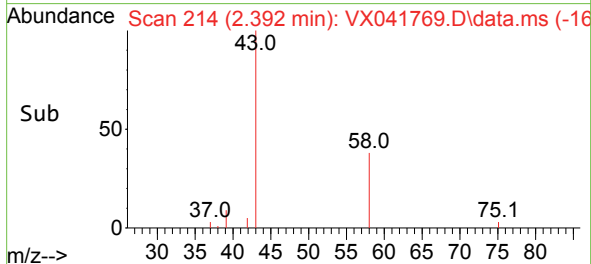
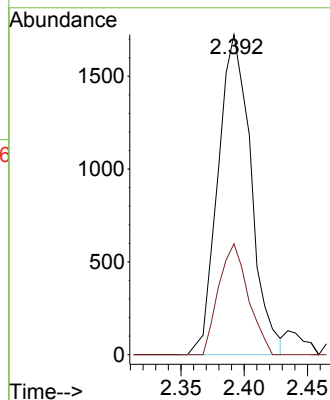
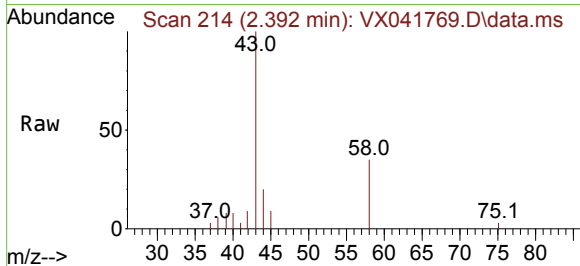
ClientSampleId :

Tgt Ion: 43 Resp: 3121

Ion Ratio Lower Upper

43 100

58 34.6 21.9 32.9#



#20

Methylene Chloride

Concen: 0.439 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Tgt Ion: 84 Resp: 745

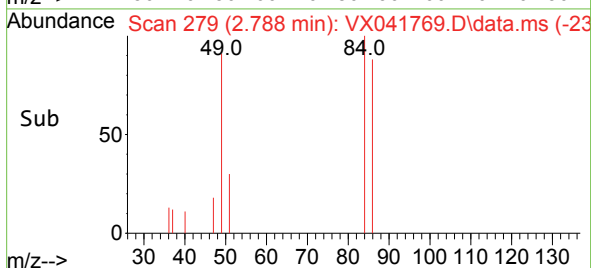
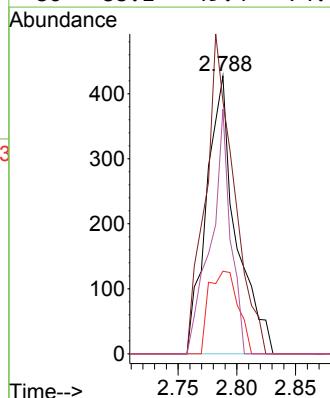
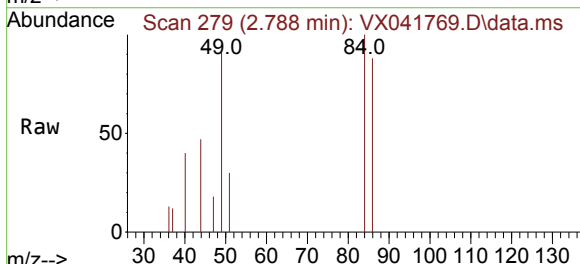
Ion Ratio Lower Upper

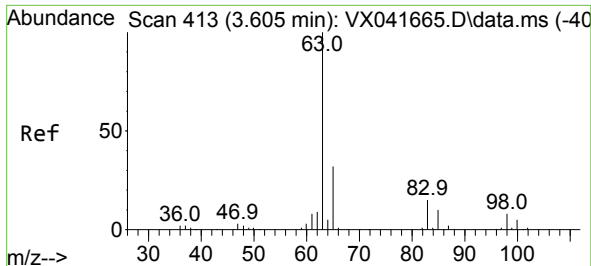
84 100

49 91.1 103.6 155.4#

51 29.7 33.8 50.6#

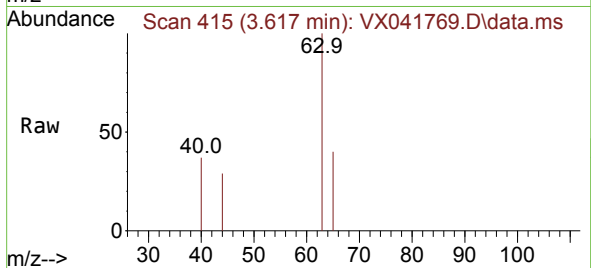
86 88.1 49.4 74.0#



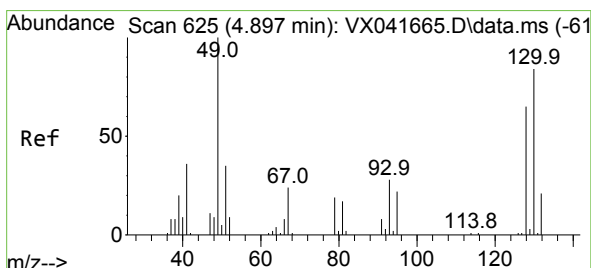
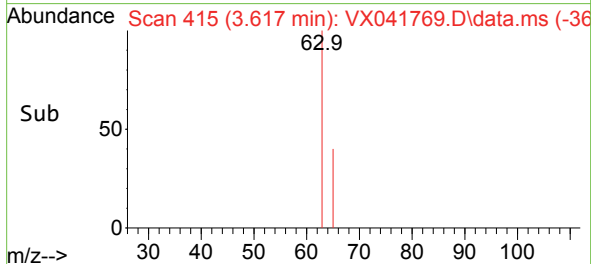
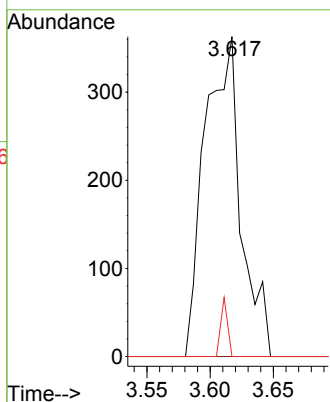


#24
1,1-Dichloroethane
Concen: 0.274 ug/l
RT: 3.617 min Scan# 413
Delta R.T. 0.012 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

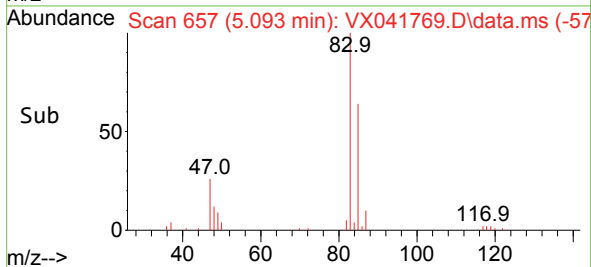
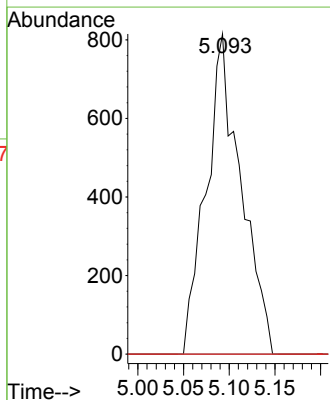
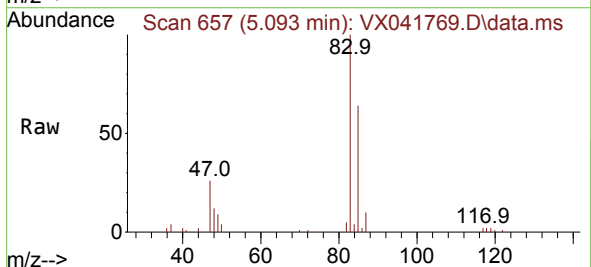


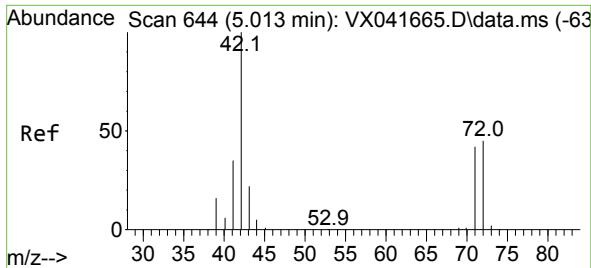
Tgt Ion: 63 Resp: 719
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#28
Bromochloromethane
Concen: 1.907 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion: 49 Resp: 2154
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

ClientSampleId :

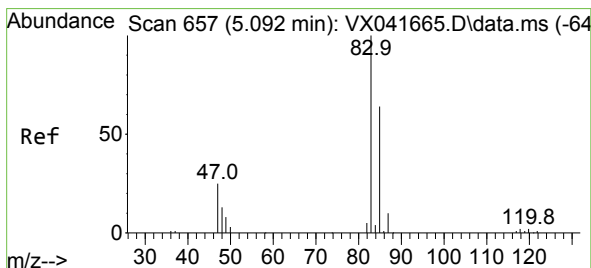
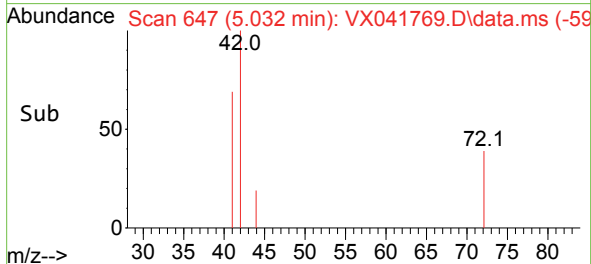
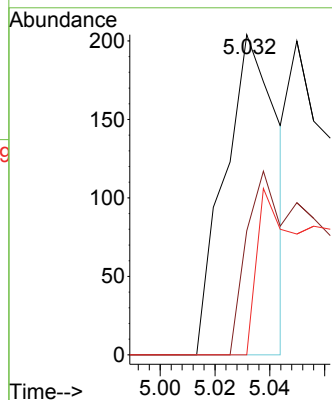
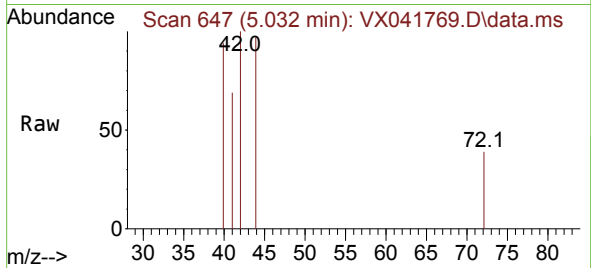
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

72 101.1 34.2 51.4#

71 64.2 32.2 48.2#



#30

Chloroform

Concen: 9.877 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041769.D

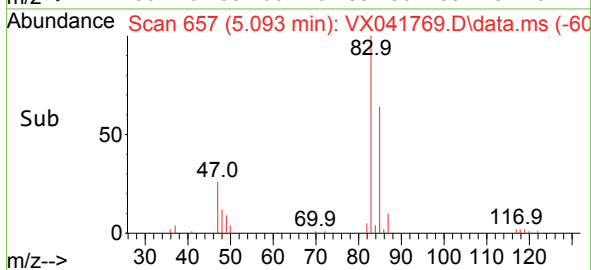
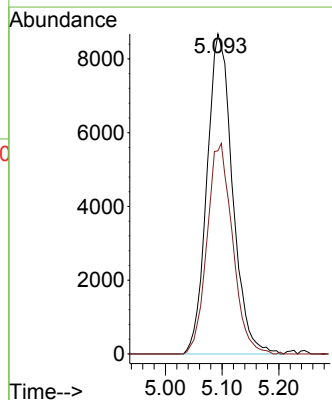
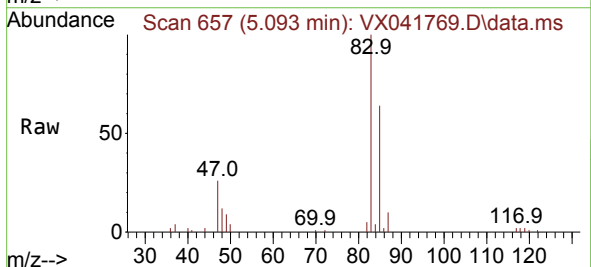
Acq: 06 Jun 2024 12:00

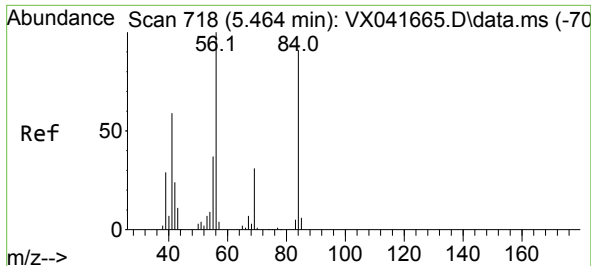
Tgt Ion: 83 Resp: 27192

Ion Ratio Lower Upper

83 100

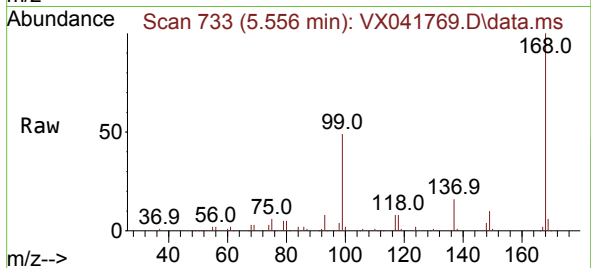
85 63.5 50.3 75.5



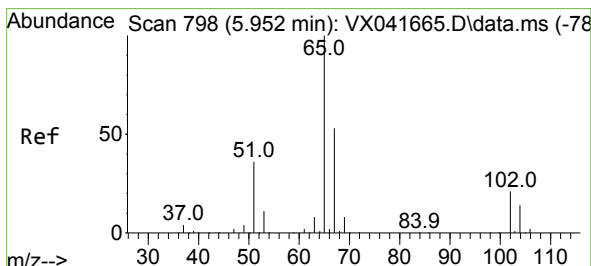
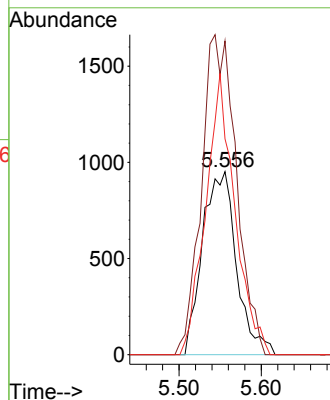
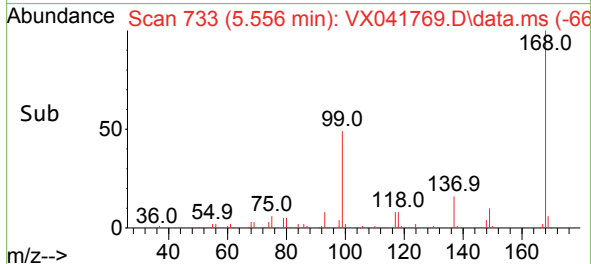


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

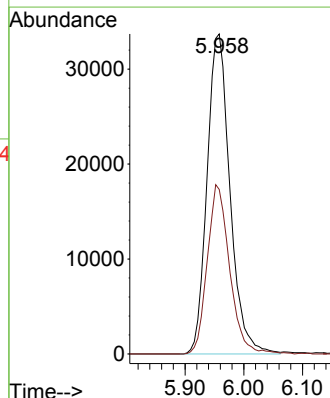
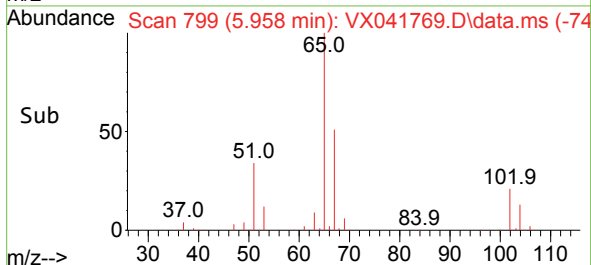
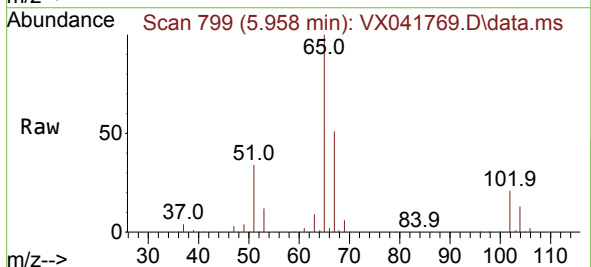


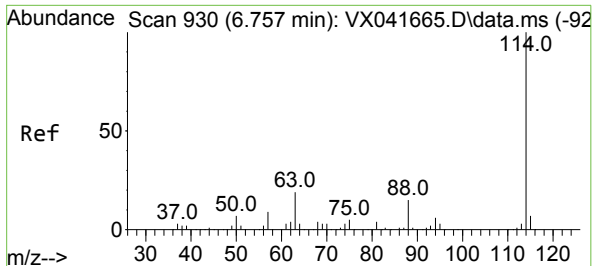
Tgt Ion: 56 Resp: 2737
Ion Ratio Lower Upper
56 100
69 171.3 23.4 35.2#
84 117.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.124 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion: 65 Resp: 91325
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

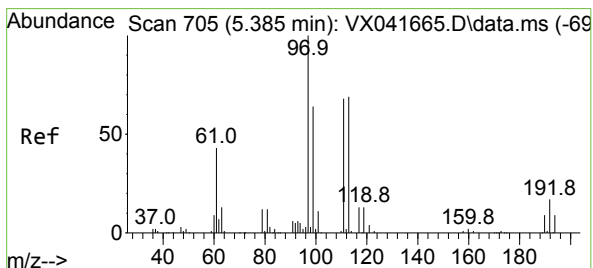
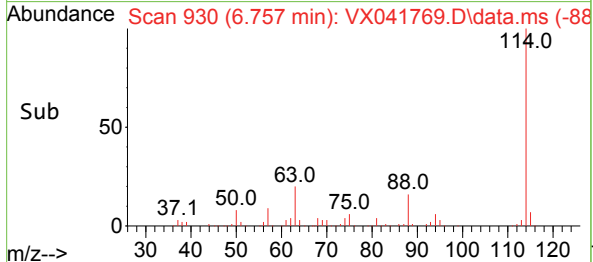
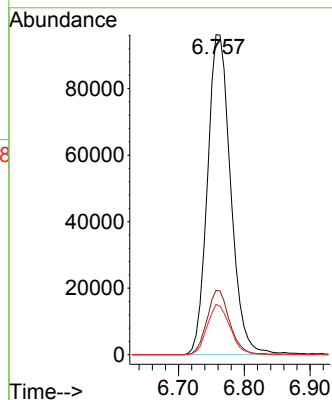
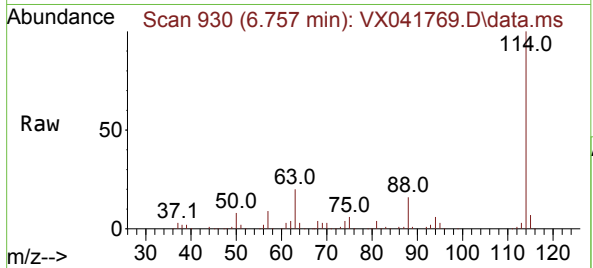




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

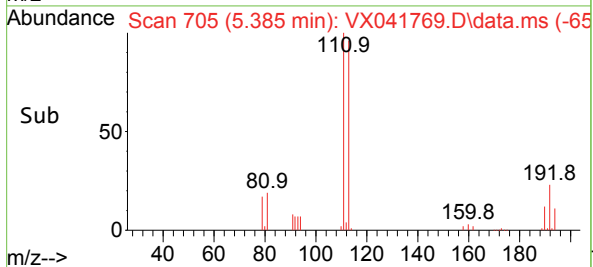
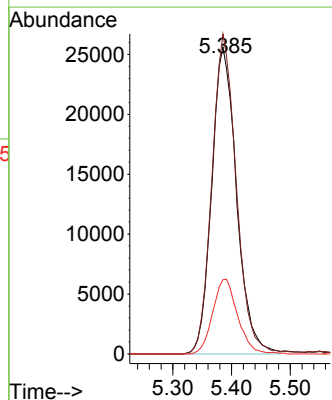
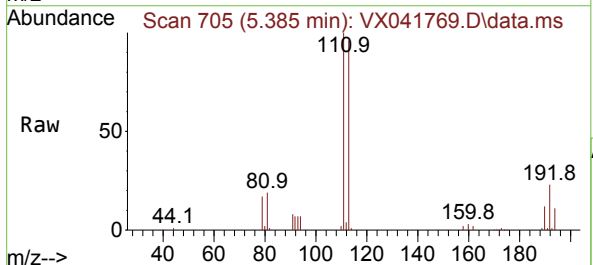
Instrument :
MSVOA_X
ClientSampleId :

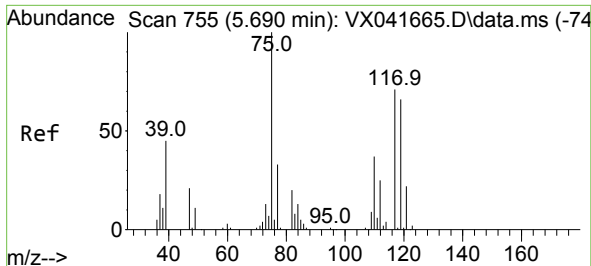
Tgt Ion:114 Resp: 236175
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.011 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion:113 Resp: 75132
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 24.5 13.3 19.9#

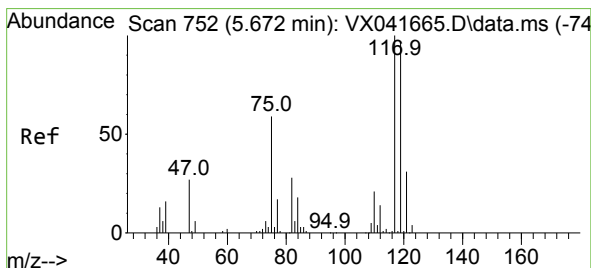
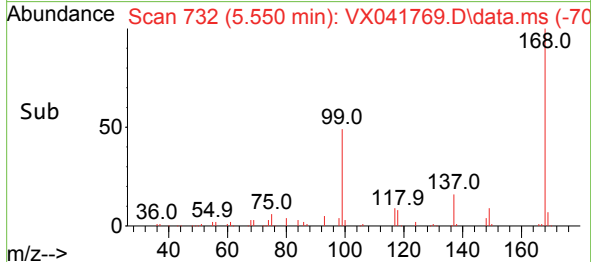
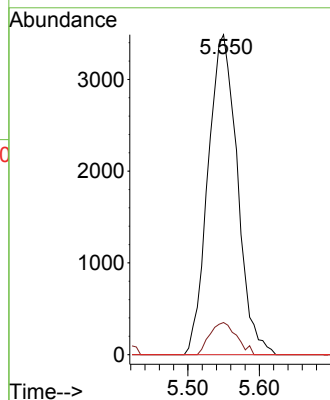
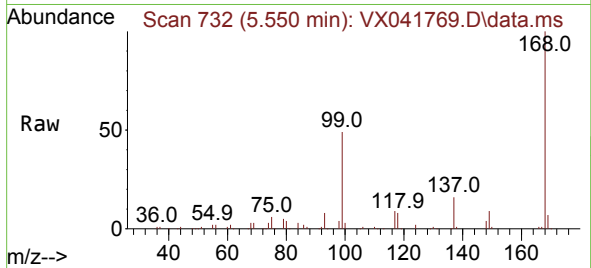




#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

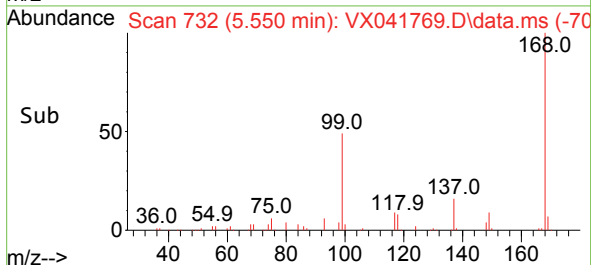
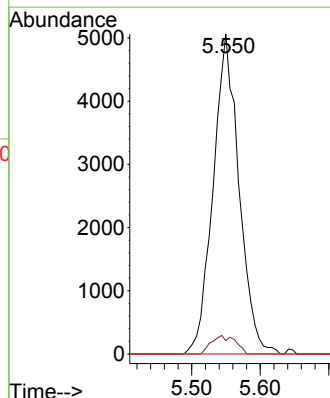
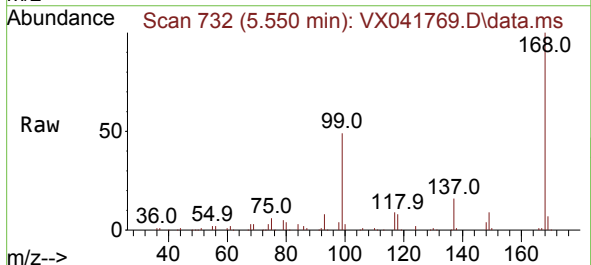
Instrument :
MSVOA_X
ClientSampleId :

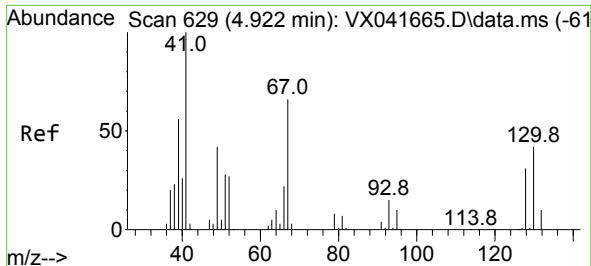
Tgt Ion: 75 Resp: 9934
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

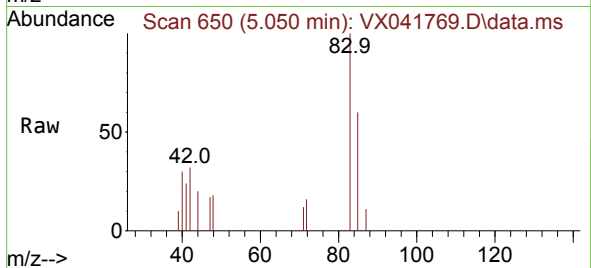
Tgt Ion: 117 Resp: 13254
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



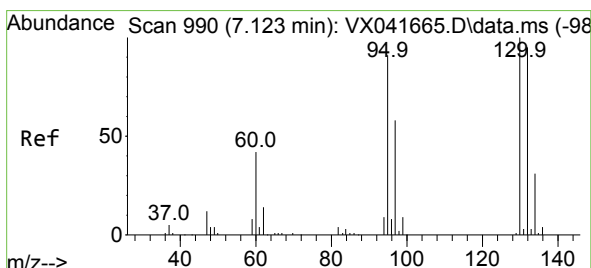
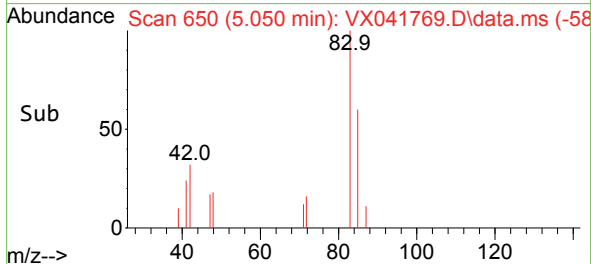
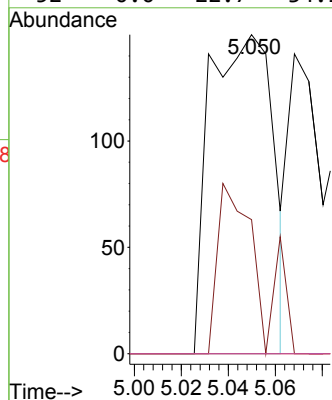


#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.128 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

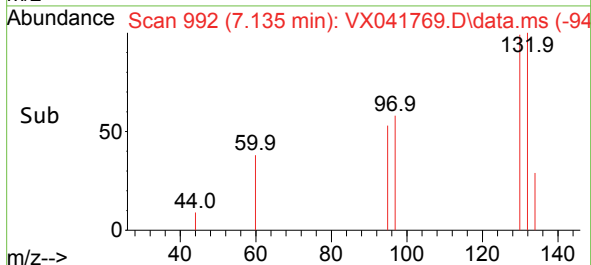
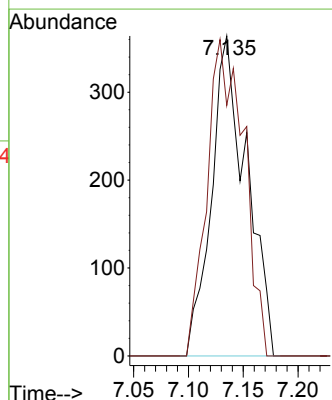
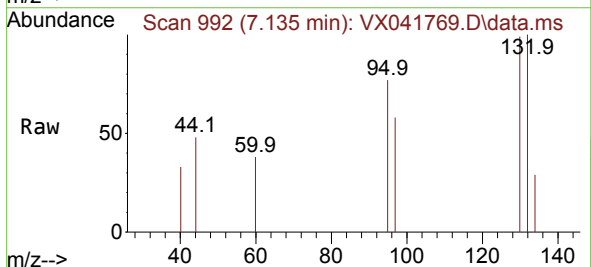


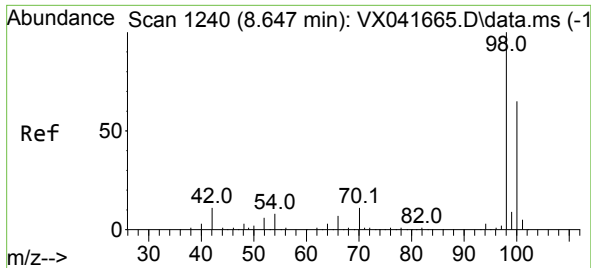
Tgt Ion: 41	Resp: 281
Ion Ratio	Lower Upper
41	100
39	34.5 45.2 67.8#
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#44
Trichloroethene
Concen: 0.483 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion: 130	Resp: 812
Ion Ratio	Lower Upper
130	100
95	78.3 0.0 204.4

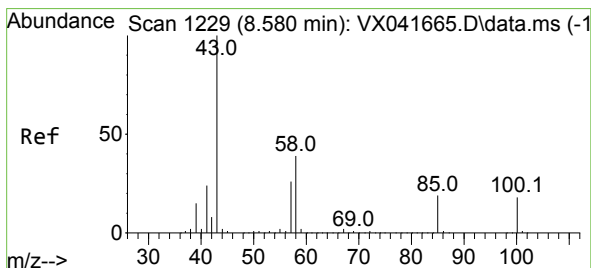
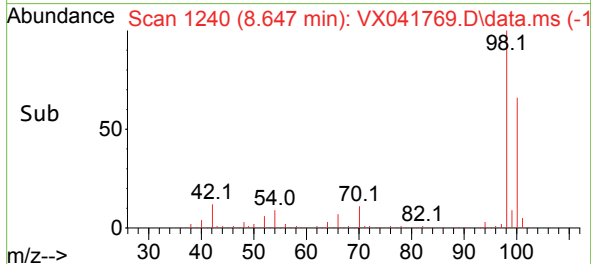
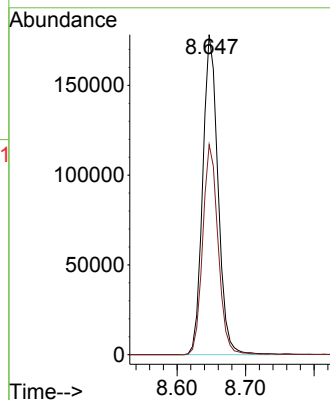
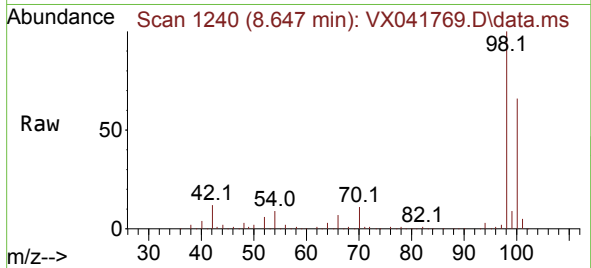




#50
Toluene-d8
Concen: 48.576 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

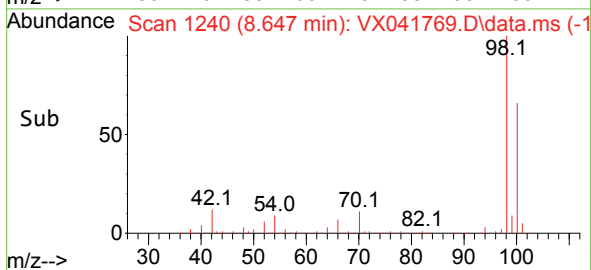
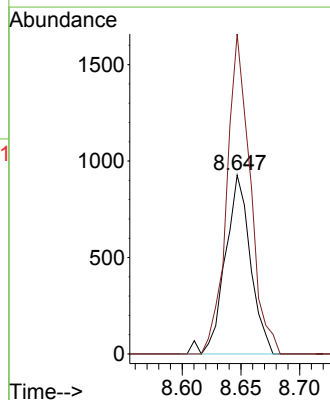
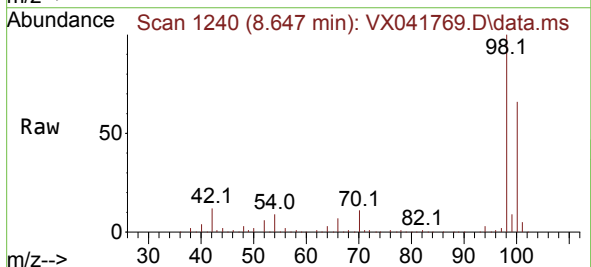
Instrument :
MSVOA_X
ClientSampleId :

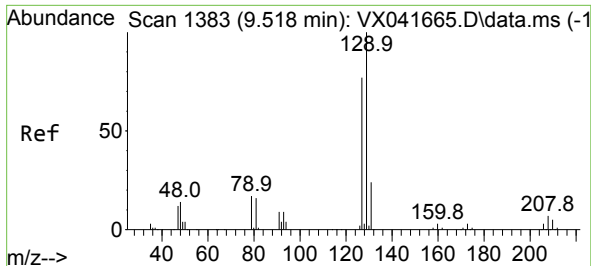
Tgt Ion: 98 Resp: 277153
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

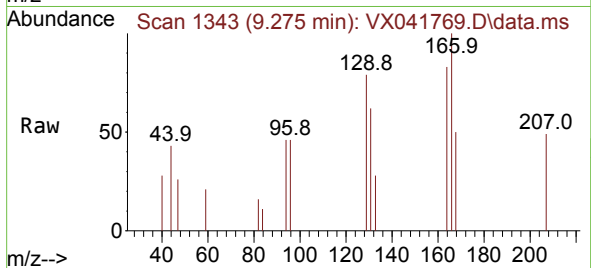
Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
58 165.8 30.4 45.6#



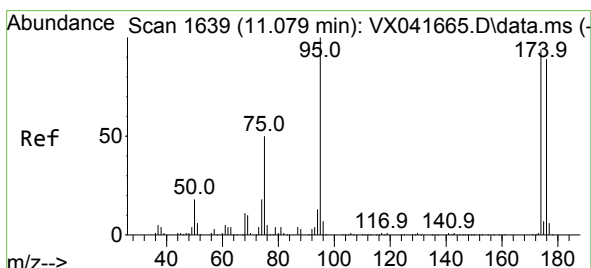
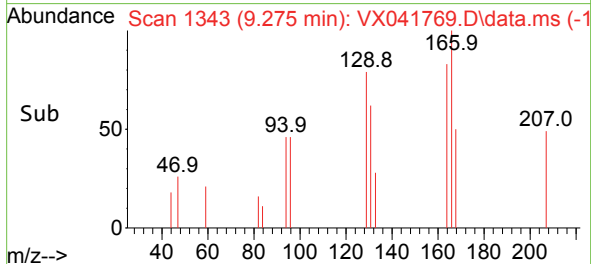
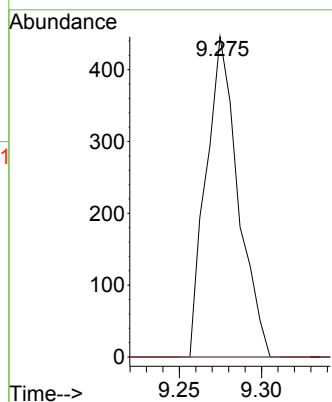


#60
Dibromochloromethane
Concen: 0.344 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

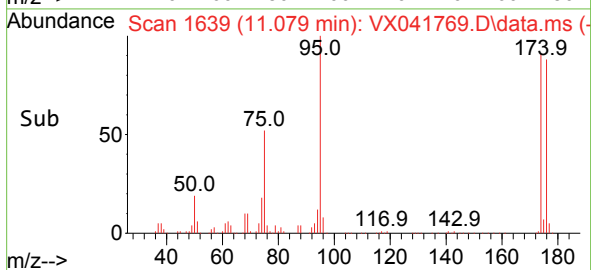
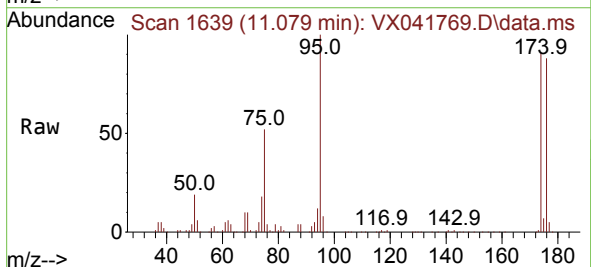
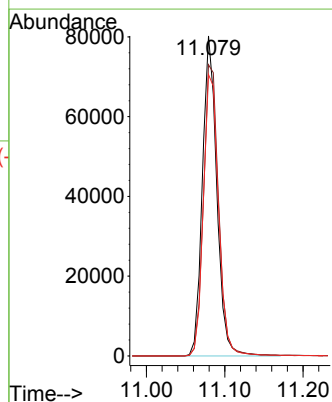


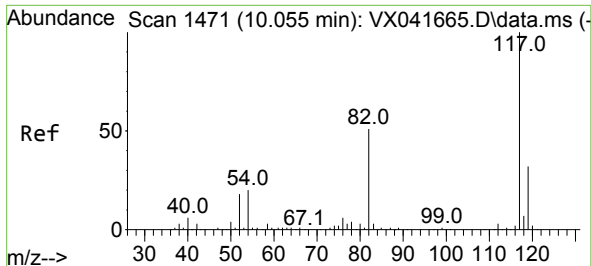
Tgt Ion:129 Resp: 603
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion: 95 Resp: 102500
Ion Ratio Lower Upper
95 100
174 96.1 0.0 135.6
176 93.2 0.0 131.0

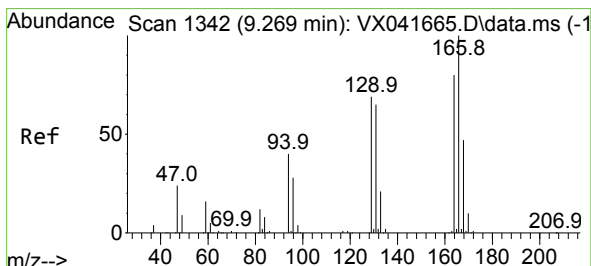
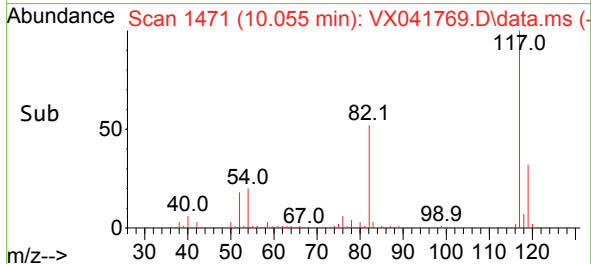
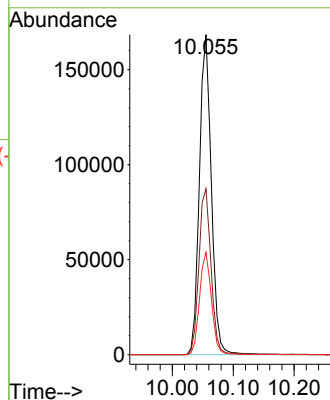
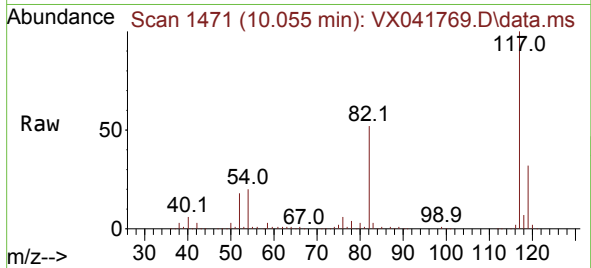




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

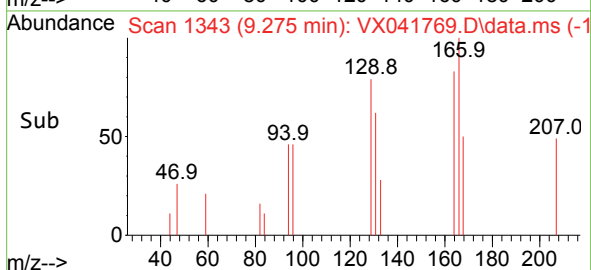
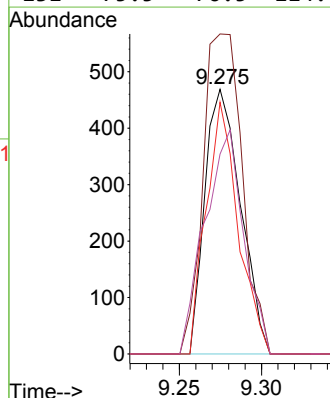
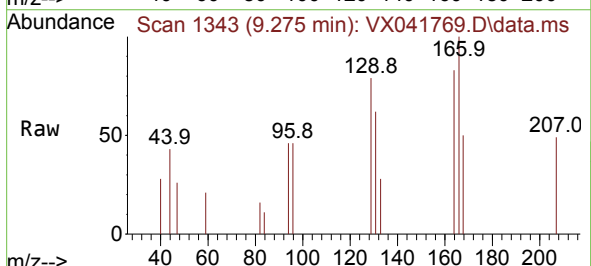
Instrument :
MSVOA_X
ClientSampleId :

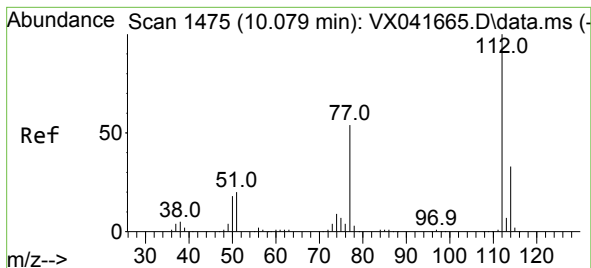
Tgt Ion:117 Resp: 229091
Ion Ratio Lower Upper
117 100
82 51.9 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.412 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion:164 Resp: 707
Ion Ratio Lower Upper
164 100
166 120.9 102.7 154.1
129 95.1 80.4 120.6
131 75.5 76.5 114.7#

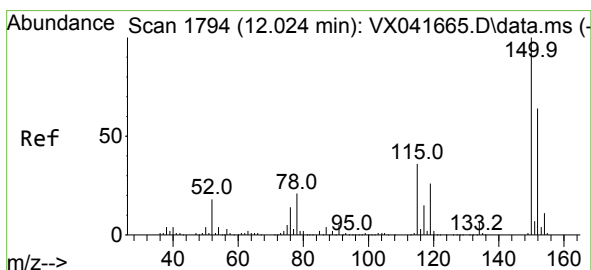
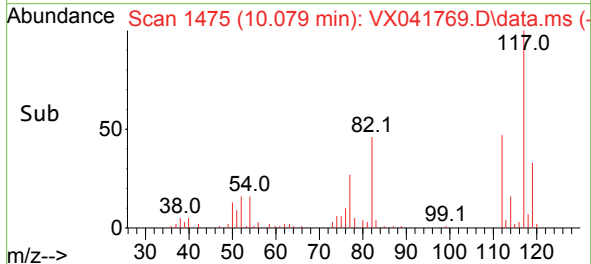
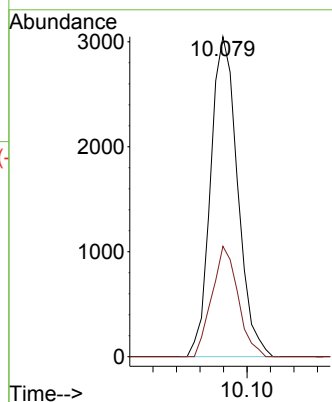
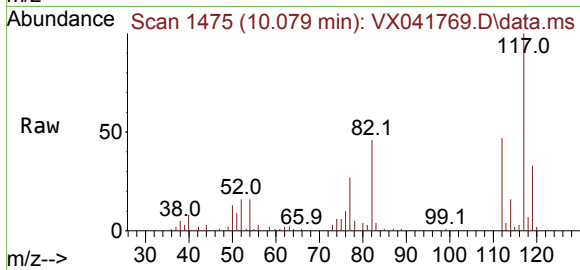




#65
Chlorobenzene
Concen: 0.989 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

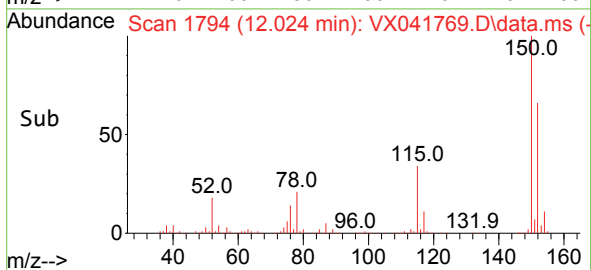
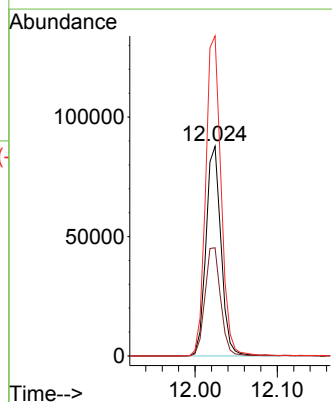
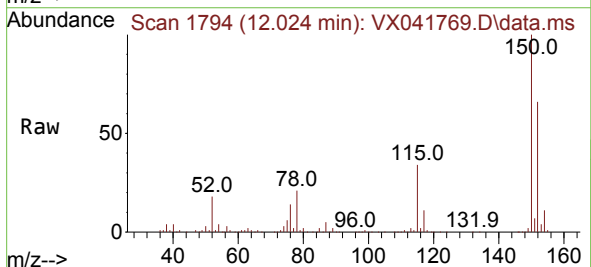
Instrument :
MSVOA_X
ClientSampleId :

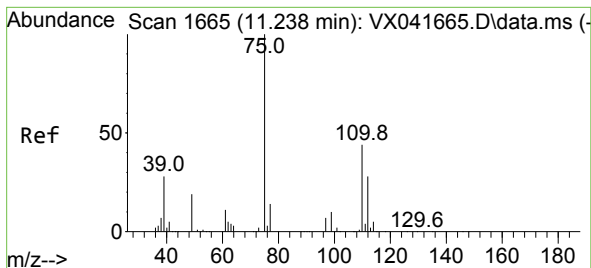
Tgt Ion:112 Resp: 4862
Ion Ratio Lower Upper
112 100
114 34.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041769.D
Acq: 06 Jun 2024 12:00

Tgt Ion:152 Resp: 111802
Ion Ratio Lower Upper
152 100
115 53.9 43.3 129.9
150 156.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.095 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

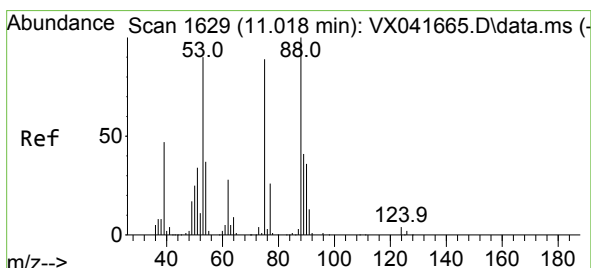
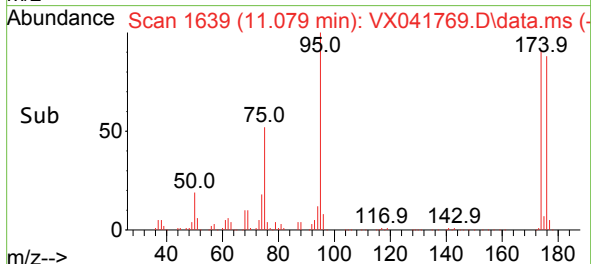
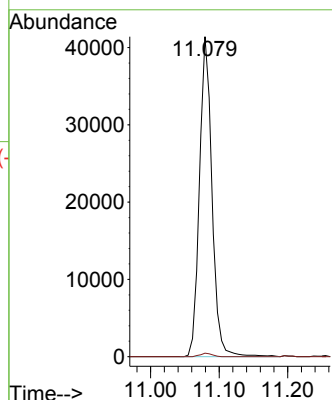
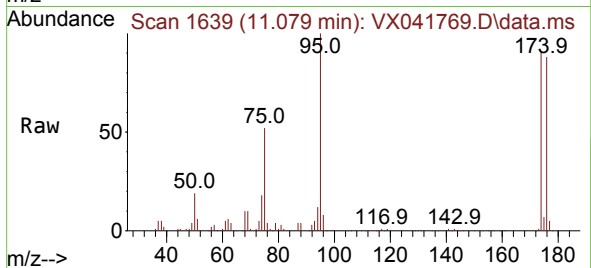
ClientSampleId :

Tgt Ion: 75 Resp: 52854

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.847 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

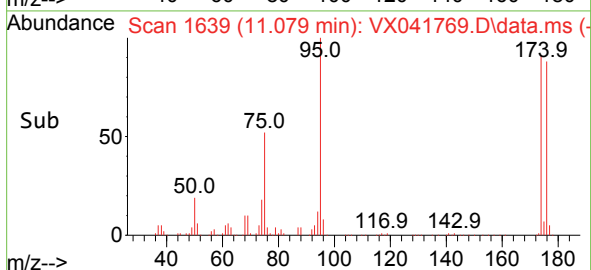
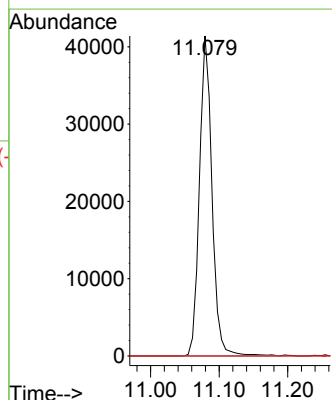
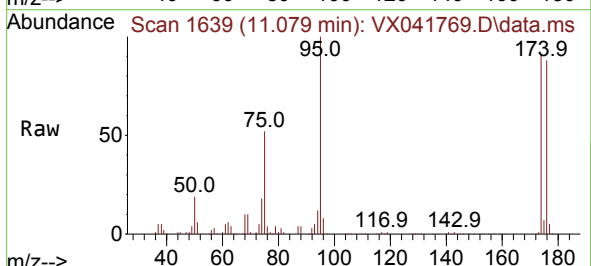
Tgt Ion: 75 Resp: 52854

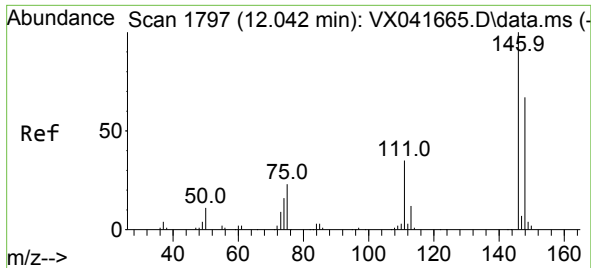
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#88

1,4-Dichlorobenzene

Concen: 0.461 ug/l

RT: 12.043 min Scan# 11

Delta R.T. 0.000 min

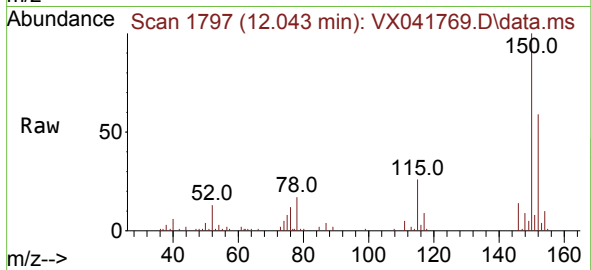
Lab File: VX041769.D

Acq: 06 Jun 2024 12:00

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	146	Resp:	1738
Ion	Ratio	Lower	Upper
146	100		
111	103.6	21.3	63.7#
148	77.5	31.8	95.4

