

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040186.D
 Acq On : 12 Feb 2024 10:00
 Operator : JC/MD
 Sample : VX0212MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212MBL01

Quant Time: Feb 12 14:21:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

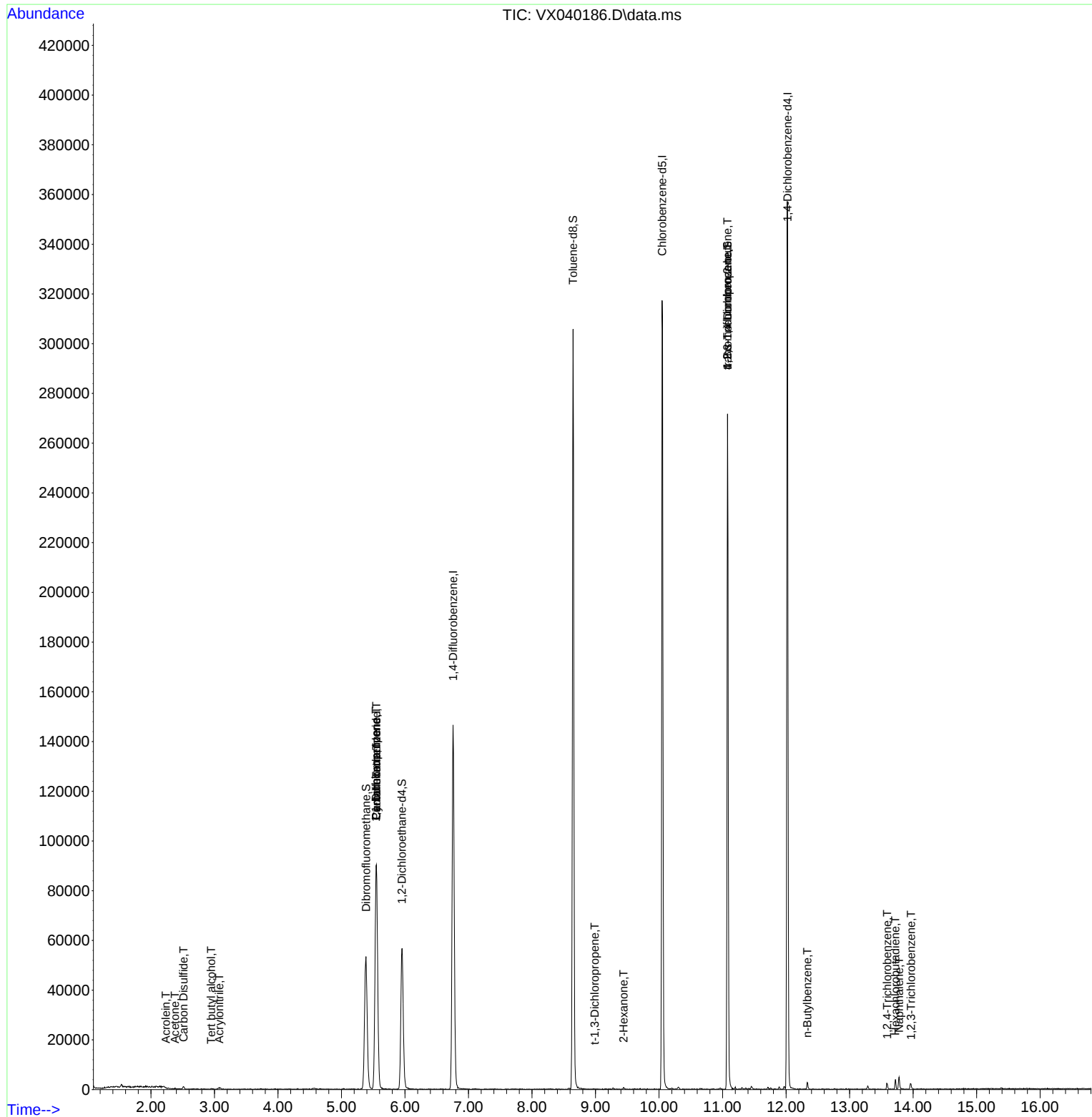
Internal Standards						
1) Pentafluorobenzene	5.550	168	88585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55088	41.800	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.600%		
35) Dibromofluoromethane	5.385	113	46667	45.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.380%		
50) Toluene-d8	8.647	98	179921	47.091	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.180%		
62) 4-Bromofluorobenzene	11.079	95	72289	46.392	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.780%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	168	0.654	ug/l #	78
13) Acrolein	2.233	56	106	0.447	ug/l #	1
15) Acrylonitrile	3.075	53	500	0.871	ug/l #	75
16) Acetone	2.380	43	379	0.700	ug/l #	47
17) Carbon Disulfide	2.514	76	1268	0.531	ug/l #	88
20) Methylene Chloride	2.782	84	52	Below Cal	#	5
31) Cyclohexane	5.550	56	2106	1.340	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6897	4.820	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8428	6.195	ug/l #	15
53) t-1,3-Dichloropropene	8.988	75	18	1.969	ug/l #	43
59) 2-Hexanone	9.439	43	382	0.284	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	37391	25.348	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	37391	69.678	ug/l #	5
89) n-Butylbenzene	12.335	91	1117	0.259	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	800	0.503	ug/l	94
94) Hexachlorobutadiene	13.719	225	653	1.028	ug/l	92
95) Naphthalene	13.780	128	3693	0.735	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	832	0.549	ug/l	93

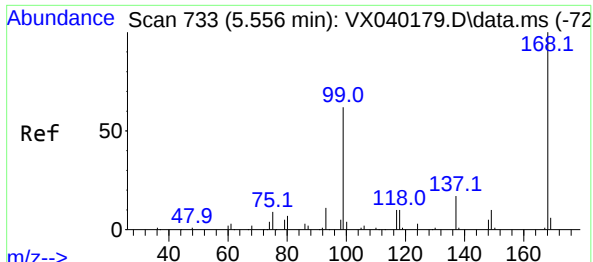
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 12 14:21:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

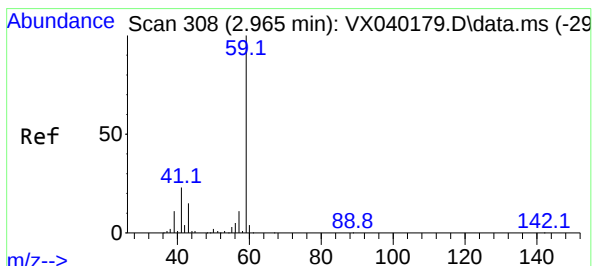
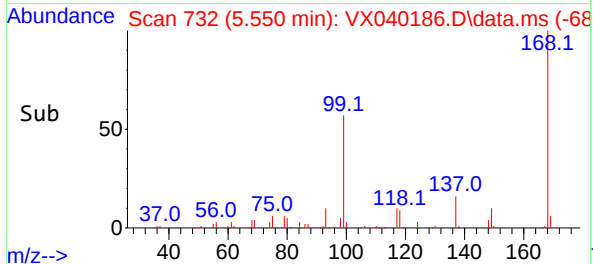
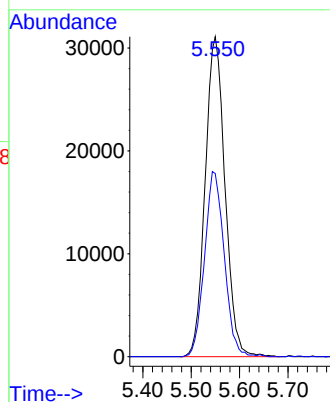
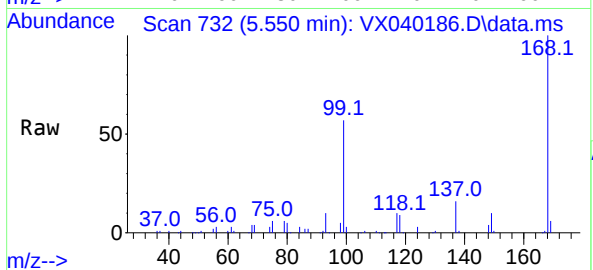




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

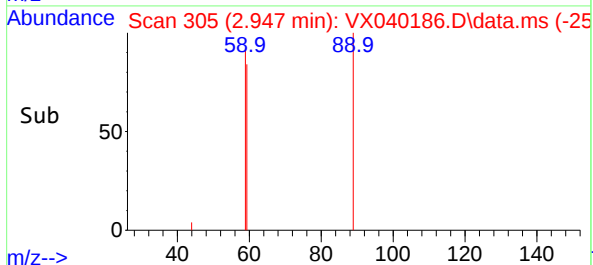
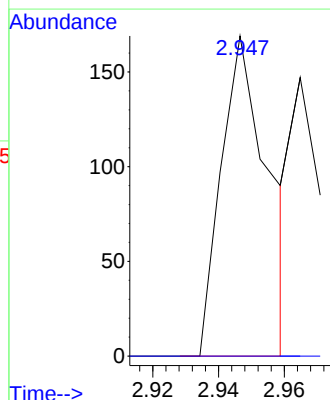
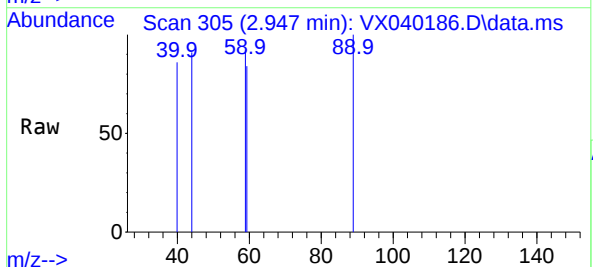
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

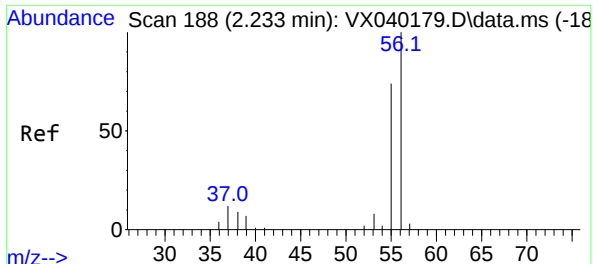
Tgt Ion:168 Resp: 88585
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.654 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

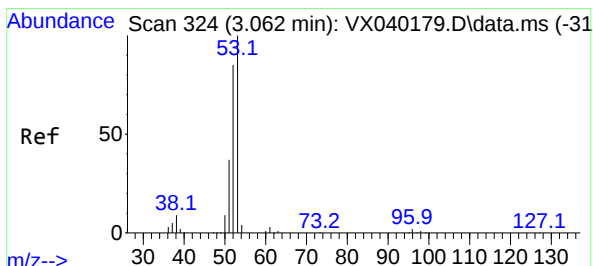
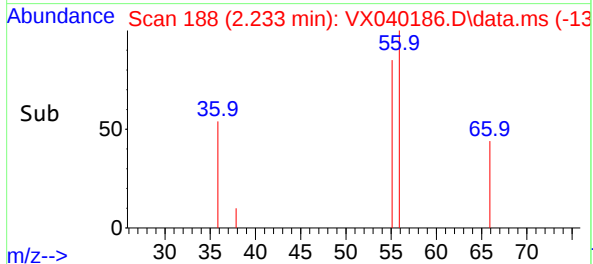
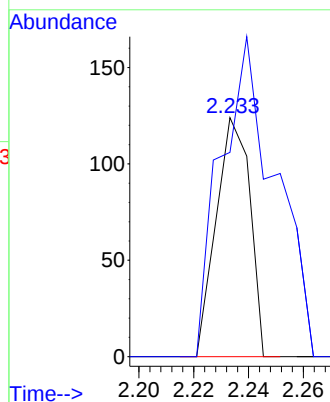
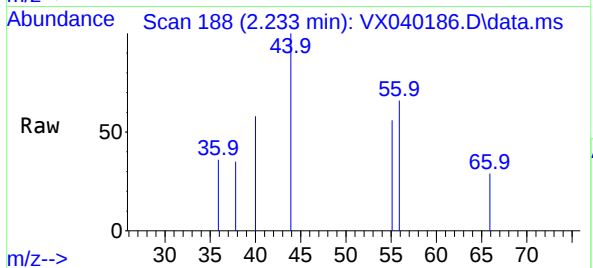




#13
Acrolein
Concen: 0.447 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

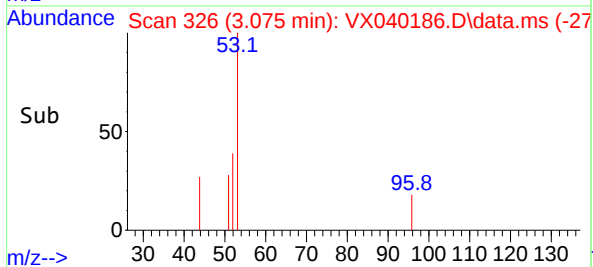
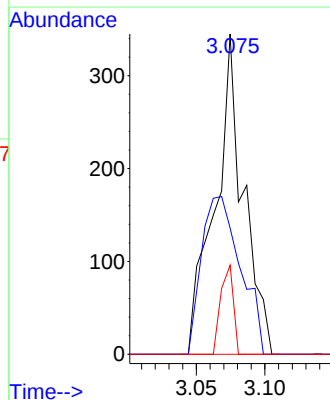
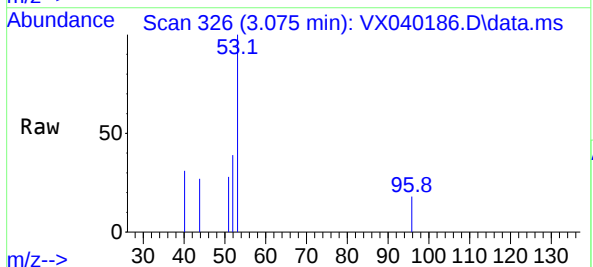
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

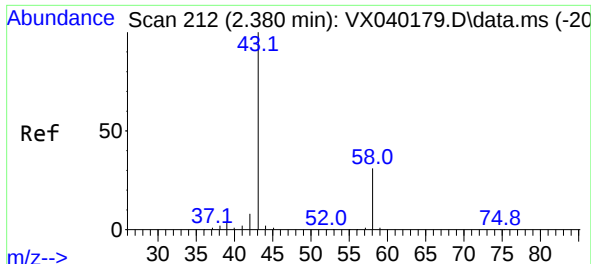
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 217.0 57.1 85.7#



#15
Acrylonitrile
Concen: 0.871 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 53 Resp: 500
Ion Ratio Lower Upper
53 100
52 67.2 66.0 99.0
51 12.2 29.8 44.6#

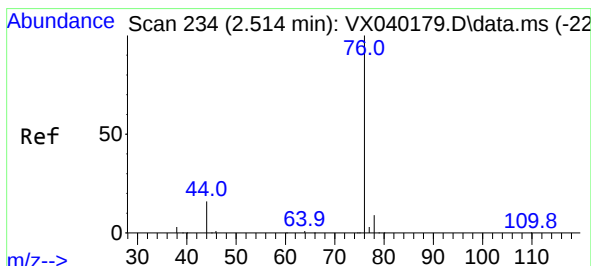
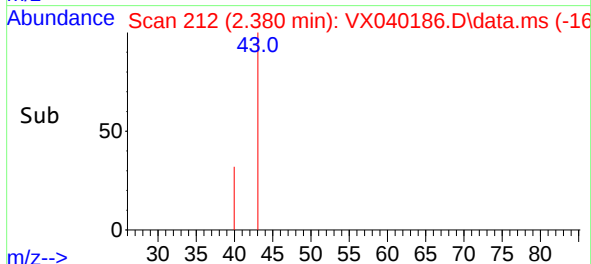
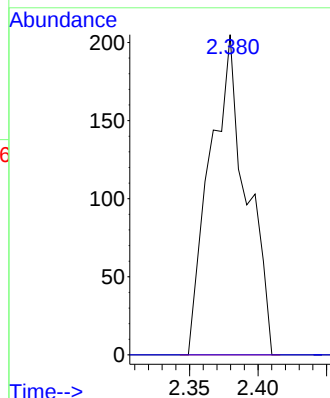
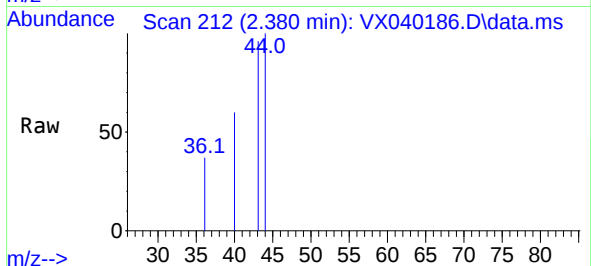




#16
Acetone
Concen: 0.700 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

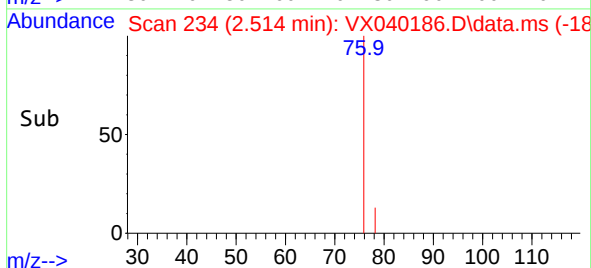
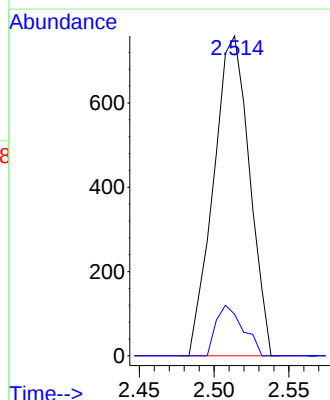
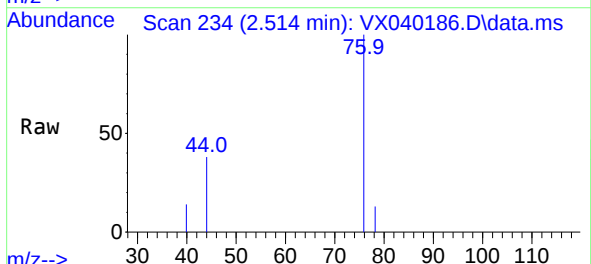
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

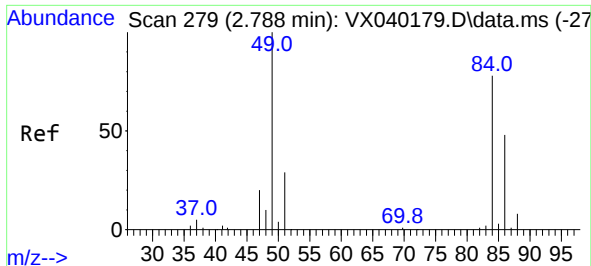
Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.531 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 76 Resp: 1268
Ion Ratio Lower Upper
76 100
78 13.0 7.0 10.6#

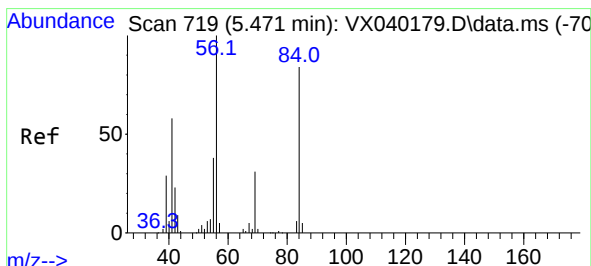
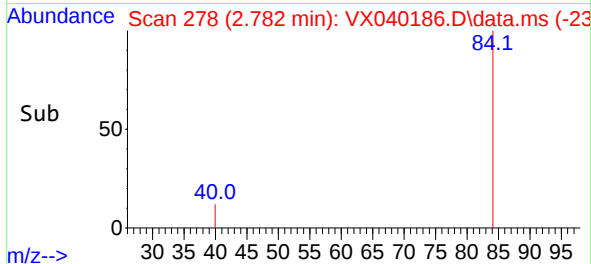
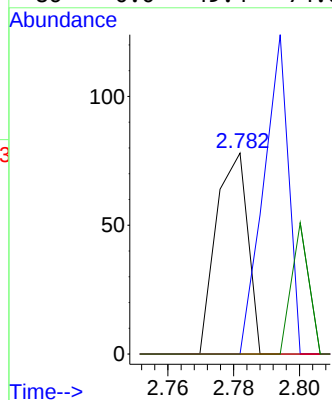
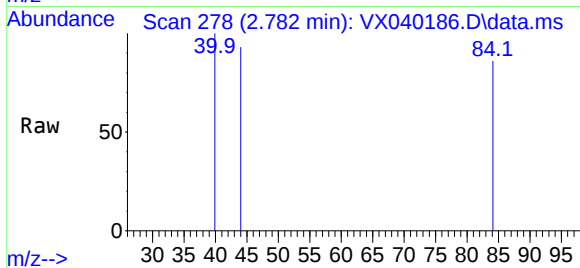




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

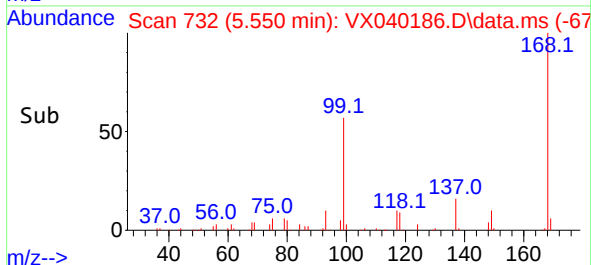
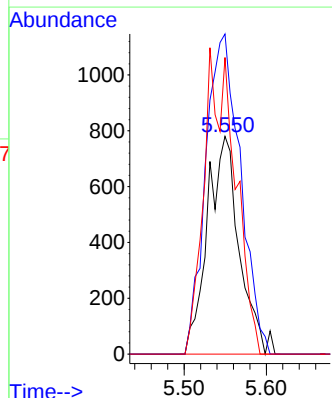
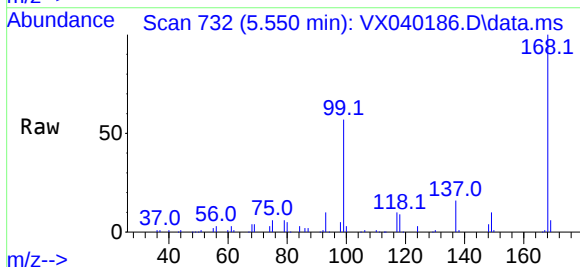
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

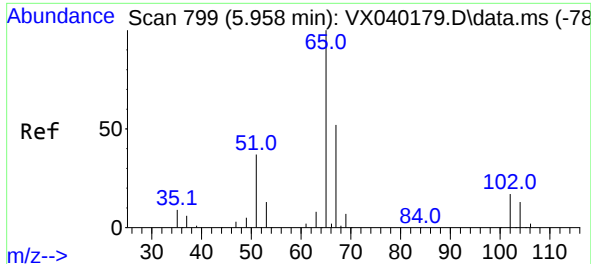
Tgt Ion:	84	Resp:	52
Ion	Ratio	Lower	Upper
84	100		
49	0.0	103.6	155.4#
51	0.0	33.8	50.6#
86	0.0	49.4	74.0#



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion:	56	Resp:	2106
Ion	Ratio	Lower	Upper
56	100		
69	147.1	23.4	35.2#
84	136.3	65.9	98.9#

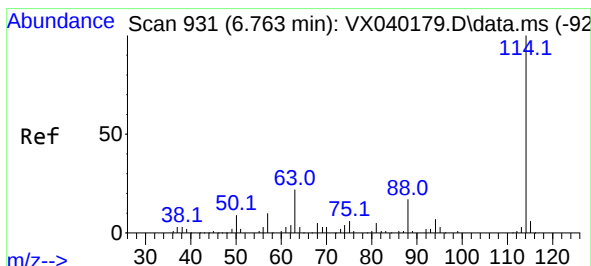
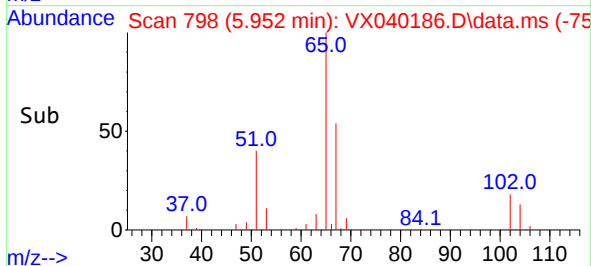
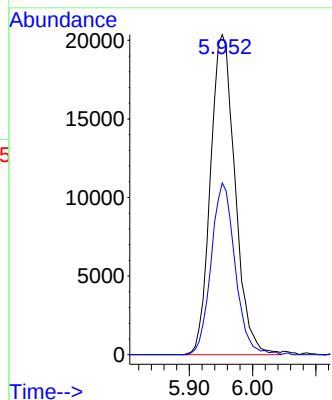
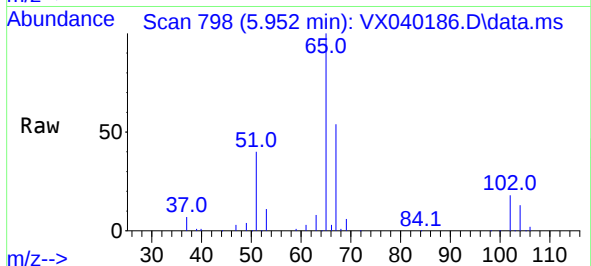




#33
1,2-Dichloroethane-d4
Concen: 41.800 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

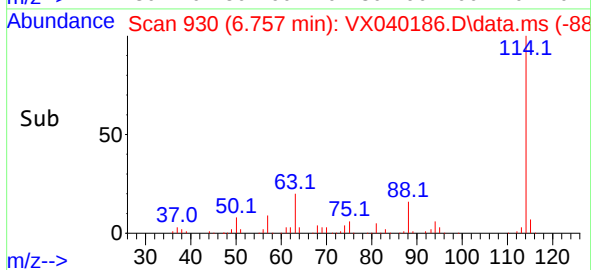
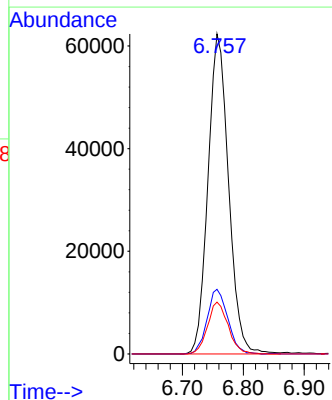
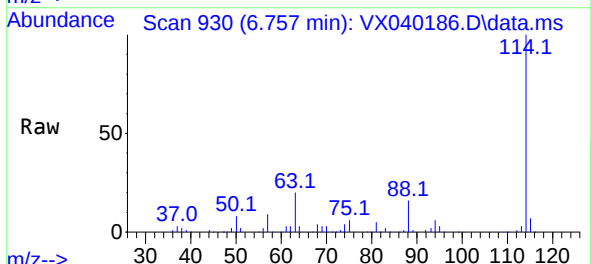
Instrument :
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ClientSampleId :
VX0212MBL01

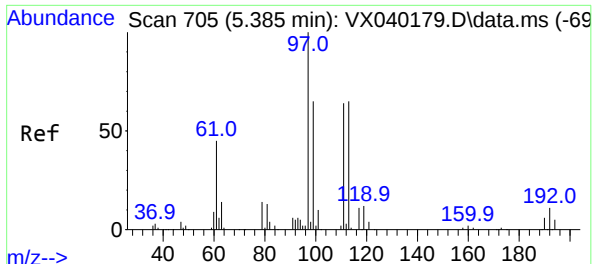
Tgt Ion: 65 Resp: 55088
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 114 Resp: 146257
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.690 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX040186.D

Acq: 12 Feb 2024 10:00

Instrument :

MSVOA_X

ClientSampleId :

VX0212MBL01

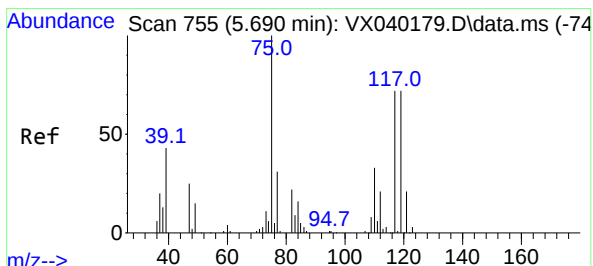
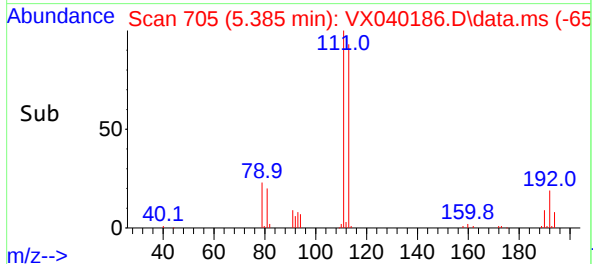
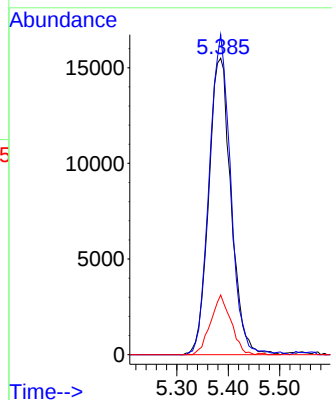
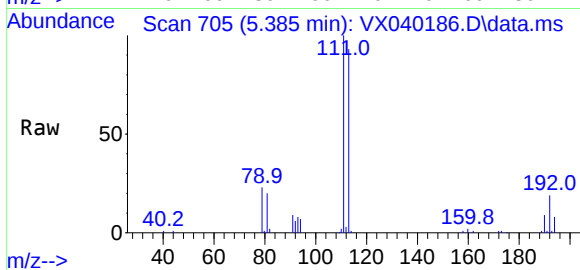
Tgt Ion:113 Resp: 46667

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

192 18.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX040186.D

Acq: 12 Feb 2024 10:00

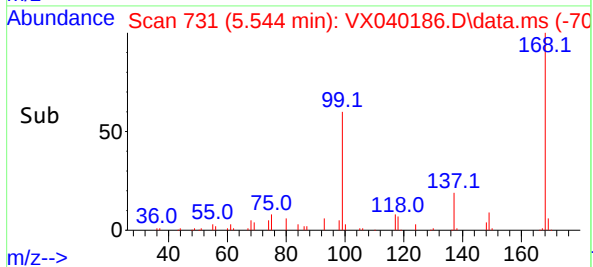
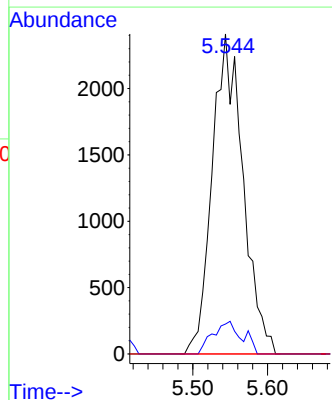
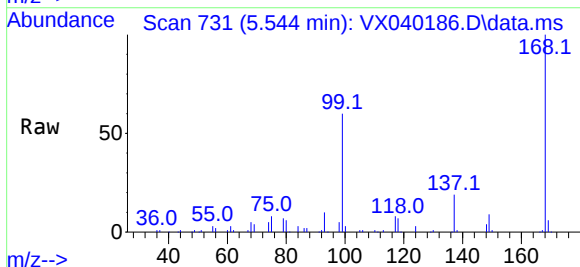
Tgt Ion: 75 Resp: 6897

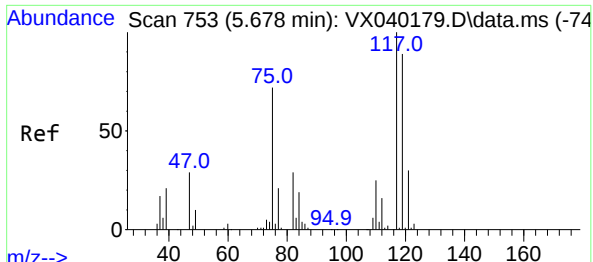
Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

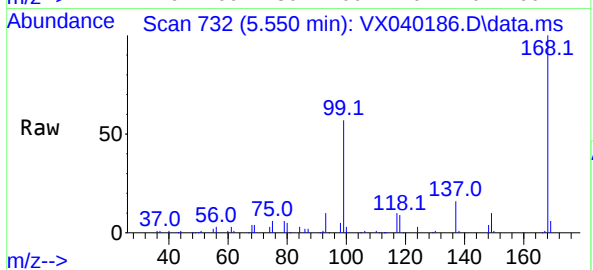
77 0.0 24.7 37.1#



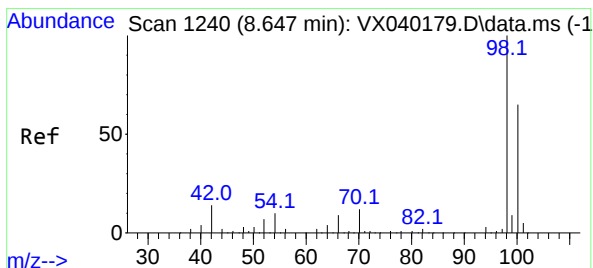
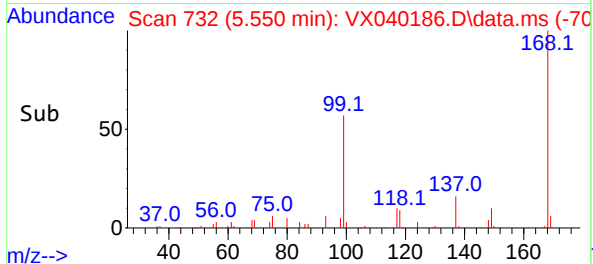
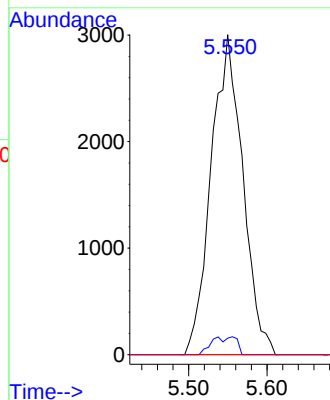


#38
Carbon Tetrachloride
Concen: 6.195 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

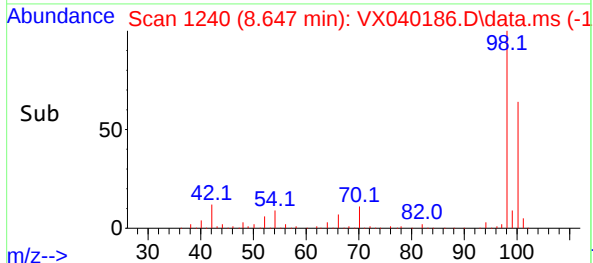
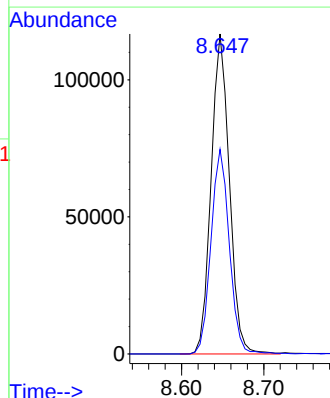
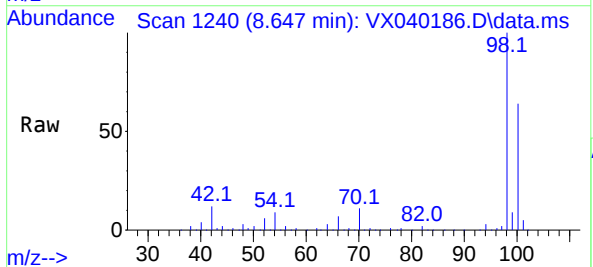


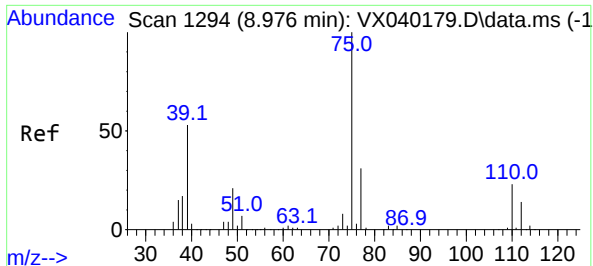
Tgt Ion:117 Resp: 8428
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.091 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 98 Resp: 179921
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7





#53

t-1,3-Dichloropropene

Concen: 1.969 ug/l

RT: 8.988 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX040186.D

Acq: 12 Feb 2024 10:00

Instrument :

MSVOA_X

ClientSampleId :

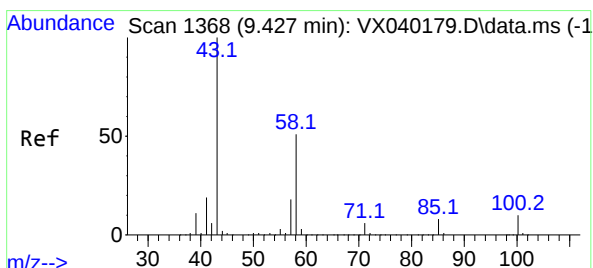
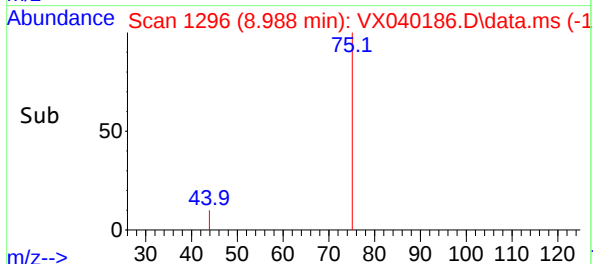
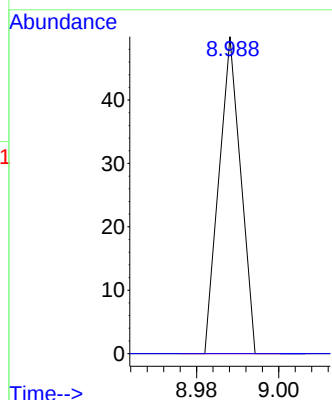
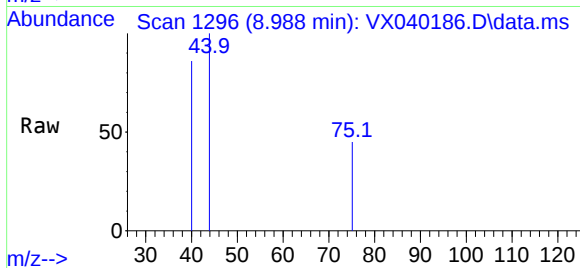
VX0212MBL01

Tgt Ion: 75 Resp: 18

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 0.284 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX040186.D

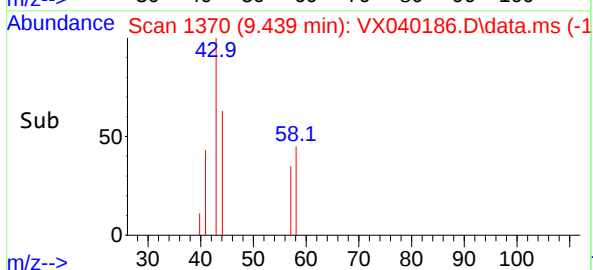
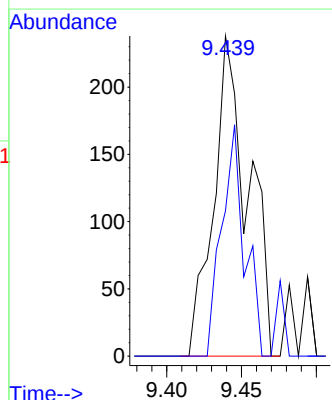
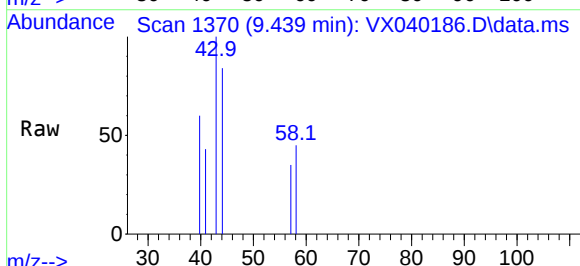
Acq: 12 Feb 2024 10:00

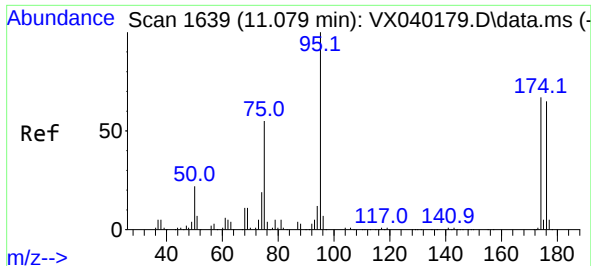
Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

58 47.9 26.2 78.5

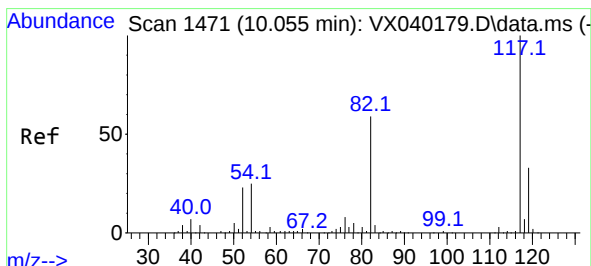
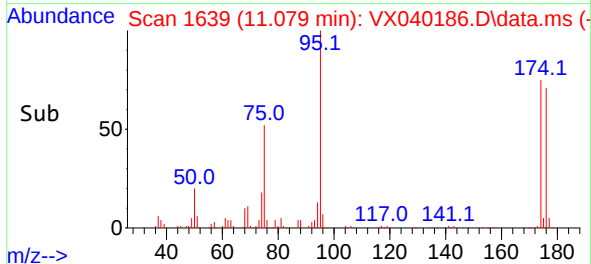
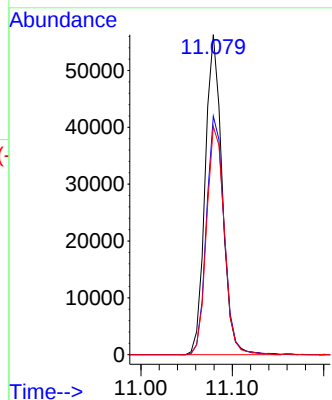
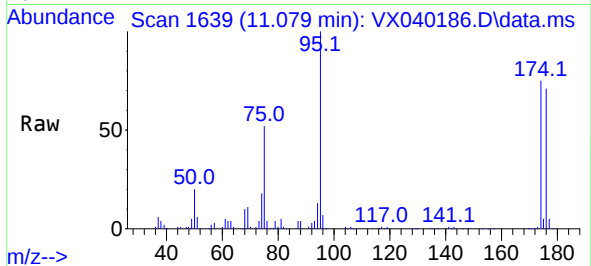




#62
4-Bromofluorobenzene
Concen: 46.392 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

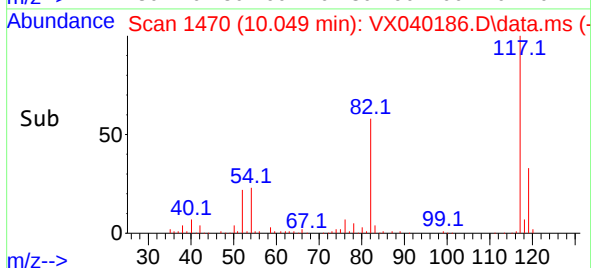
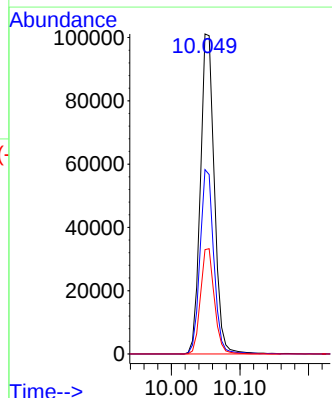
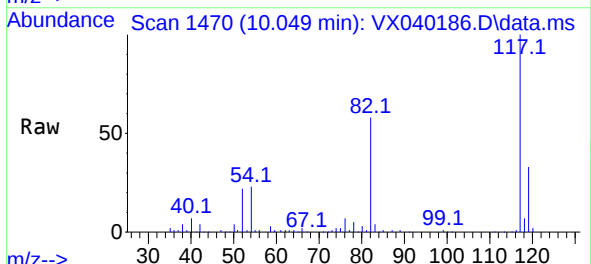
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

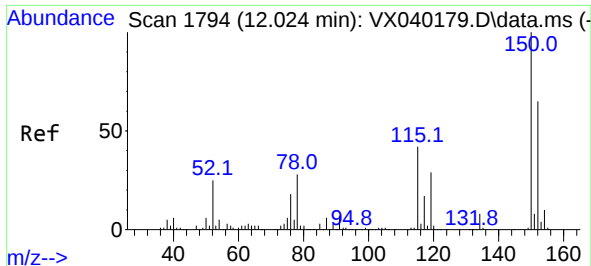
Tgt Ion: 95 Resp: 72289
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 74.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 117 Resp: 143611
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.6 25.5 38.3

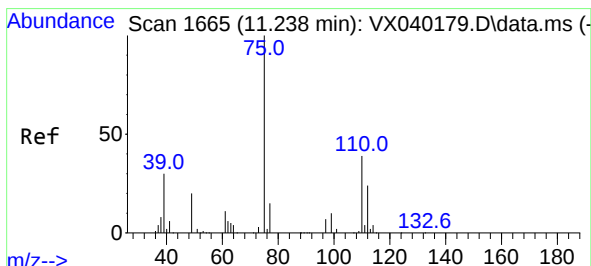
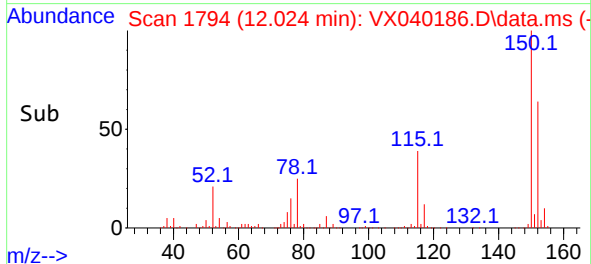
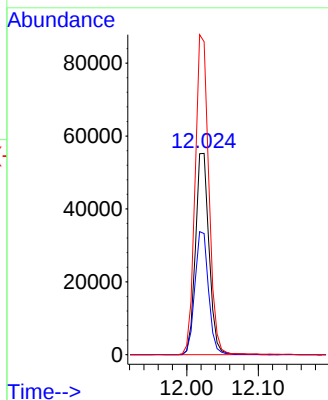
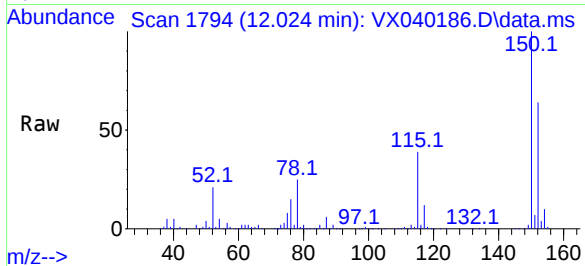




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

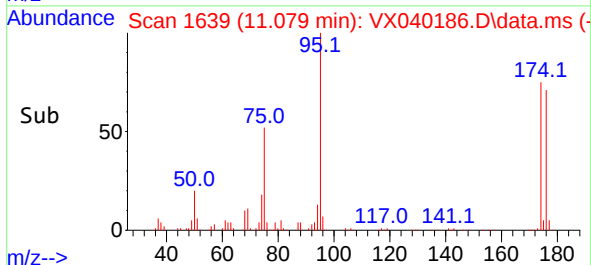
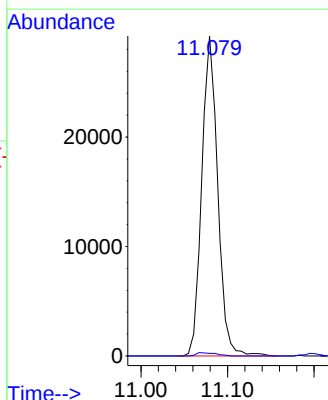
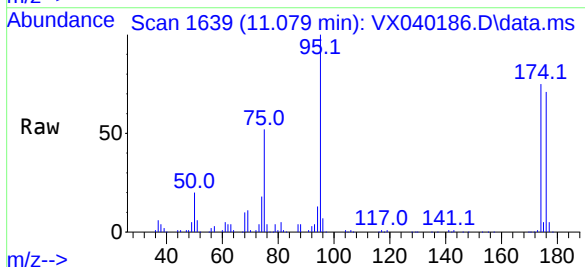
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

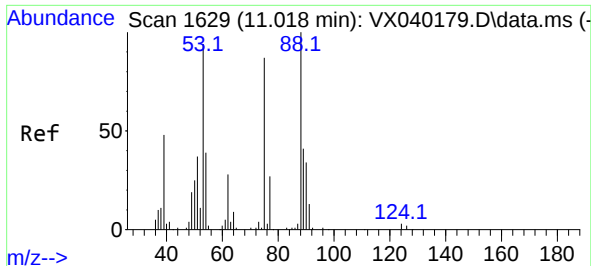
Tgt Ion:152 Resp: 72842
Ion Ratio Lower Upper
152 100
115 61.3 43.3 129.9
150 160.4 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 75 Resp: 37391
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

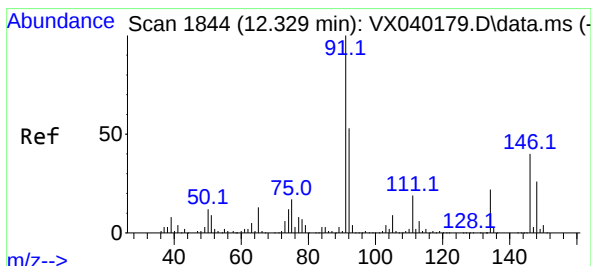
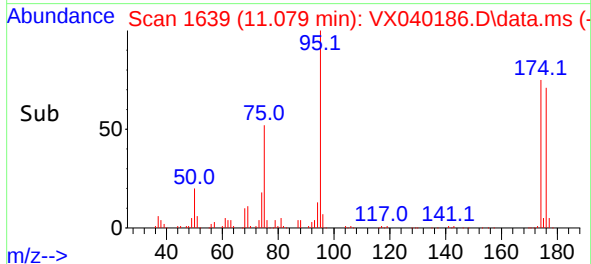
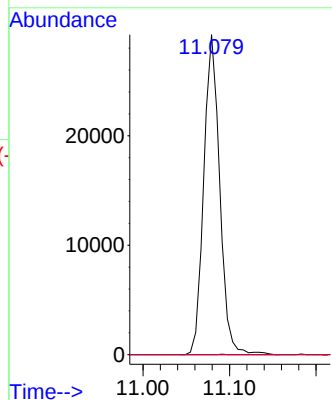
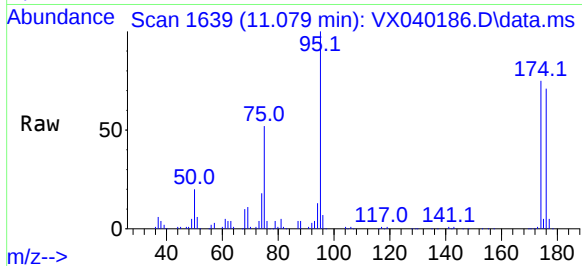




#81
trans-1,4-Dichloro-2-butene
Concen: 69.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

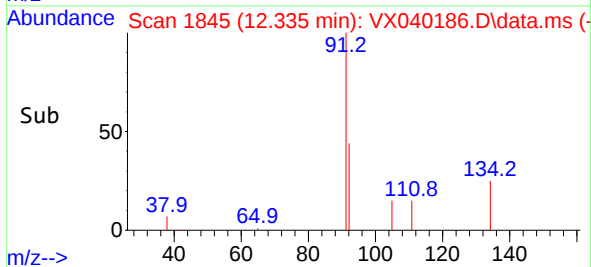
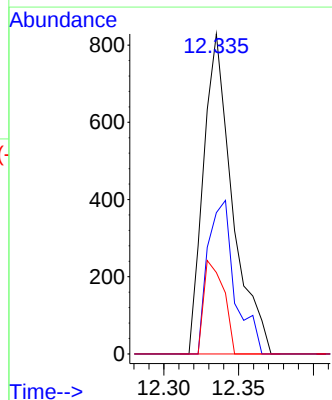
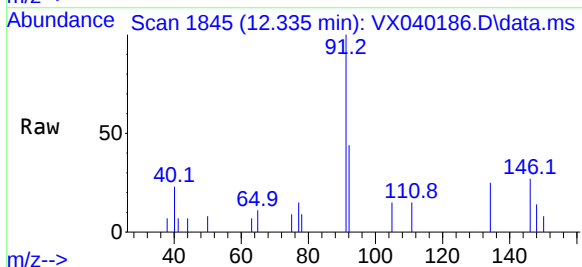
Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

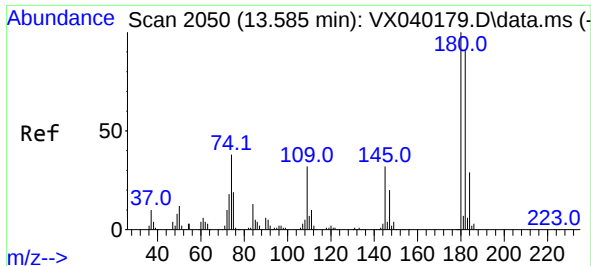
Tgt Ion: 75 Resp: 37391
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion: 91 Resp: 1117
Ion Ratio Lower Upper
91 100
92 44.5 27.4 82.0
134 20.1 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.503 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040186.D

Acq: 12 Feb 2024 10:00

Instrument :

MSVOA_X

ClientSampleId :

VX0212MBL01

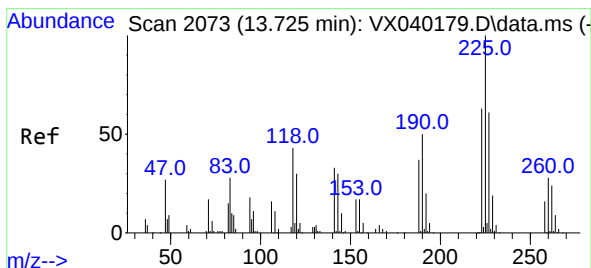
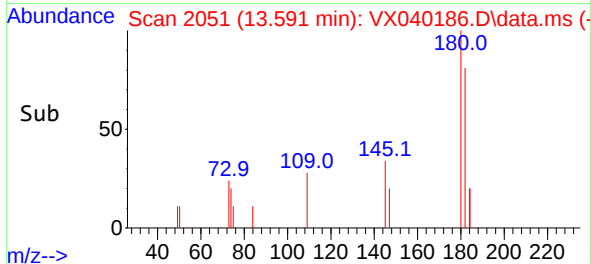
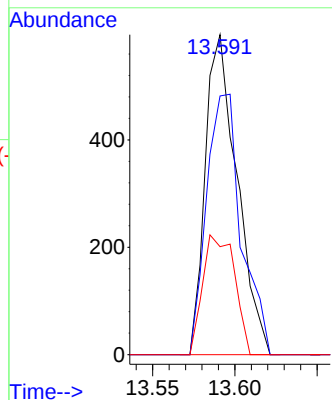
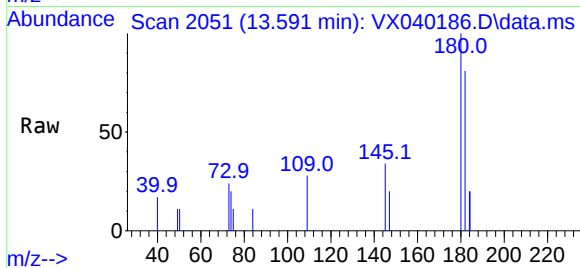
Tgt Ion:180 Resp: 800

Ion Ratio Lower Upper

180 100

182 89.0 48.3 144.8

145 37.5 18.0 54.0



#94

Hexachlorobutadiene

Concen: 1.028 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040186.D

Acq: 12 Feb 2024 10:00

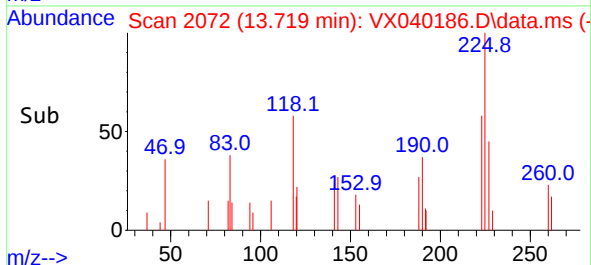
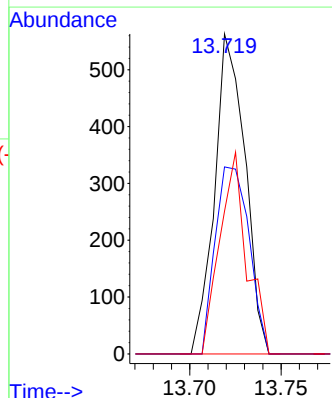
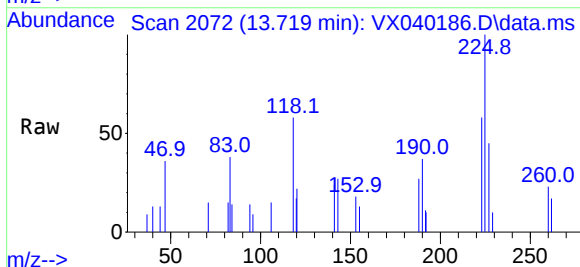
Tgt Ion:225 Resp: 653

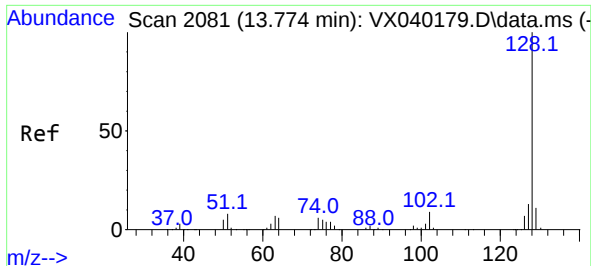
Ion Ratio Lower Upper

225 100

223 64.9 31.1 93.2

227 56.0 32.5 97.5

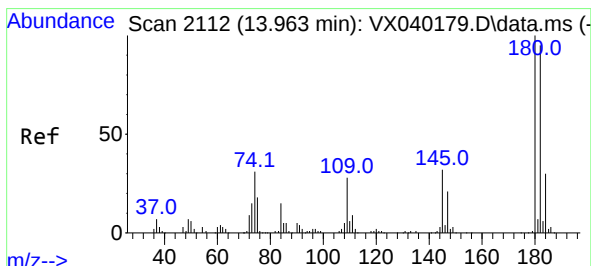
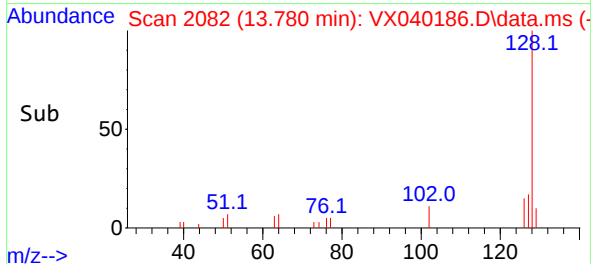
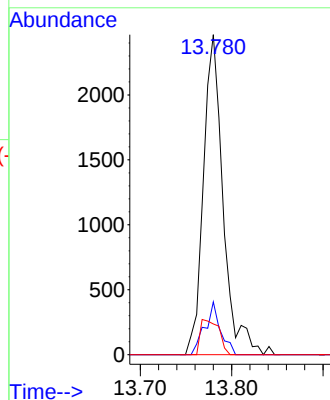
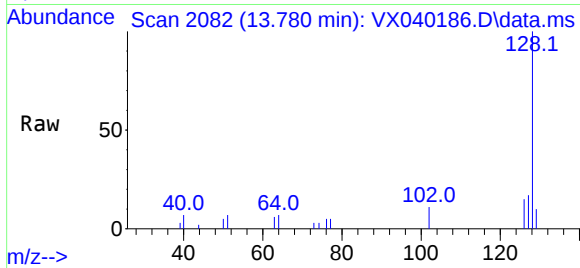




#95
Naphthalene
Concen: 0.735 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX0212MBL01

Tgt Ion:128	Resp:	3693	
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.549 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX040186.D
Acq: 12 Feb 2024 10:00

Tgt Ion:180	Resp:	832	
Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.9	140.6
145	41.3	17.8	53.5

