

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040421.D
 Acq On : 23 Feb 2024 11:07
 Operator : JC/MD
 Sample : VX0223MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223MBL01

Quant Time: Feb 23 22:14:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

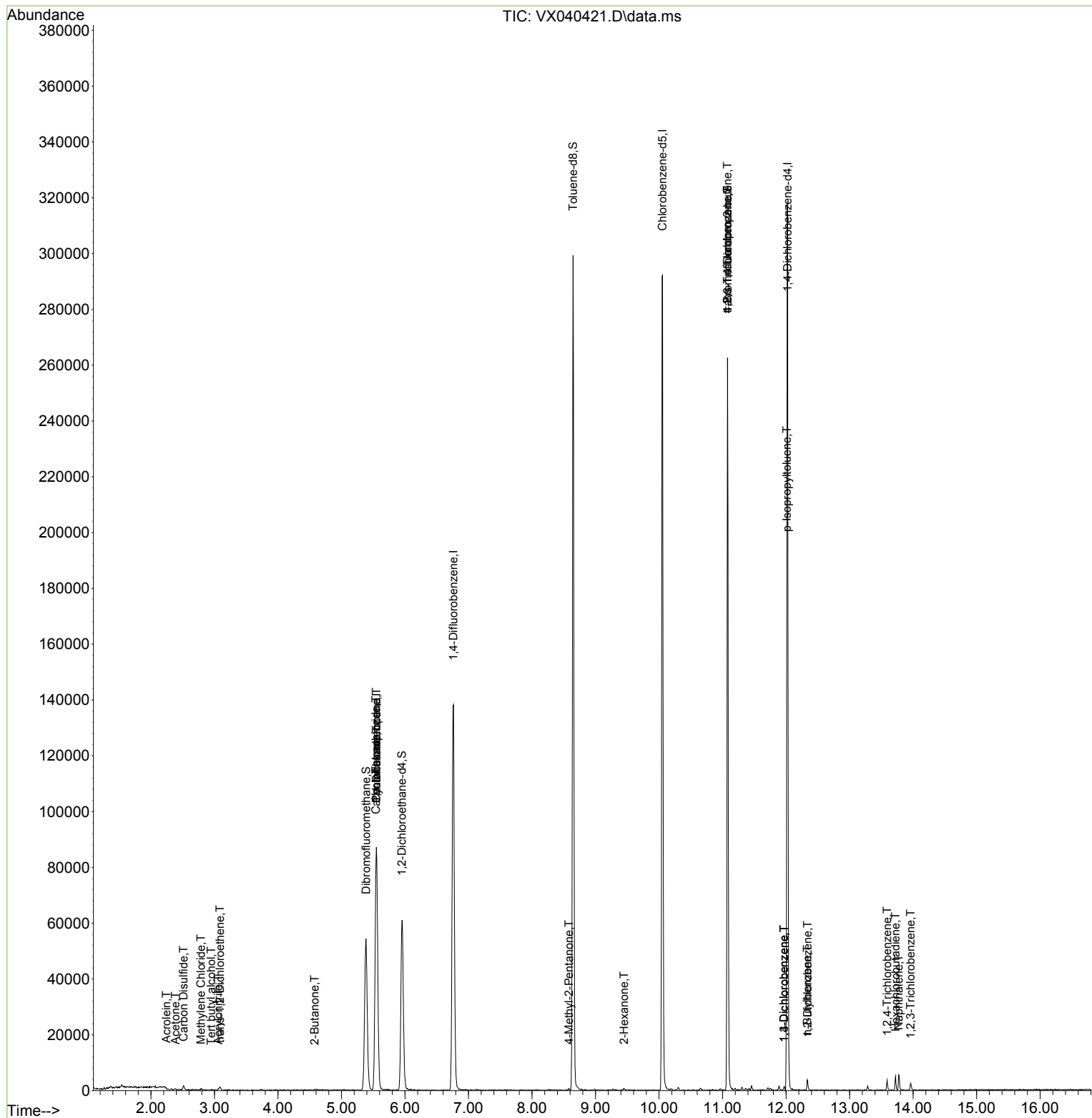
Internal Standards						
1) Pentafluorobenzene	5.550	168	78203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135504	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61484	48.276	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.560%
35) Dibromofluoromethane	5.385	113	45329	49.641	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.280%
50) Toluene-d8	8.647	98	166560	50.498	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.000%
62) 4-Bromofluorobenzene	11.079	95	65026	49.199	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	282	1.145	ug/l #	78
13) Acrolein	2.239	56	165	0.560	ug/l #	36
15) Acrylonitrile	3.062	53	460	0.797	ug/l #	88
16) Acetone	2.386	43	450	0.848	ug/l	95
17) Carbon Disulfide	2.514	76	1729	0.728	ug/l	98
20) Methylene Chloride	2.788	84	325	0.292	ug/l #	59
21) trans-1,2-Dichloroethene	3.087	96	267	0.274	ug/l #	81
25) 2-Butanone	4.574	43	322	0.389	ug/l #	51
31) Cyclohexane	5.550	56	2167	1.419	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	6798	4.811	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8291	6.341	ug/l #	18
51) 4-Methyl-2-Pentanone	8.580	43	546	0.324	ug/l #	61
59) 2-Hexanone	9.451	43	603	0.465	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	36537	25.913	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36537	90.167	ug/l #	5
86) p-Isopropyltoluene	12.012	119	870	0.228	ug/l #	69
87) 1,3-Dichlorobenzene	11.969	146	656	0.313	ug/l	85
88) 1,4-Dichlorobenzene	11.969	146	656	0.302	ug/l	86
89) n-Butylbenzene	12.335	91	1601	0.426	ug/l	85
91) 1,2-Dichlorobenzene	12.341	146	427	0.211	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	888	0.680	ug/l	97
94) Hexachlorobutadiene	13.725	225	671	1.419	ug/l	94
95) Naphthalene	13.774	128	3704	0.884	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	924	0.735	ug/l	100

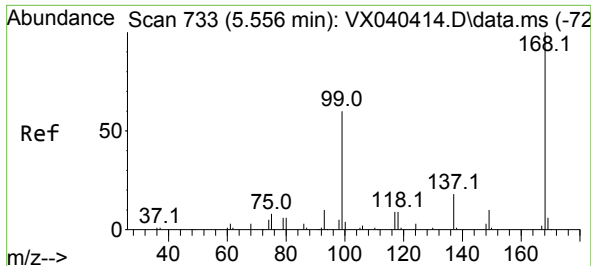
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Feb 23 06:47:29 2024
Response via : Initial Calibration

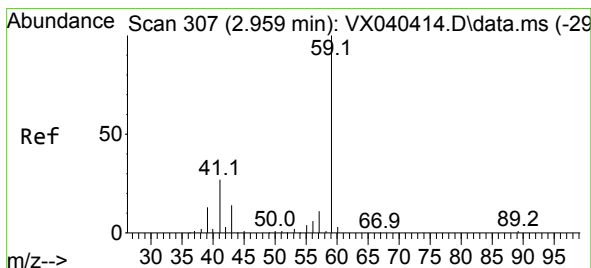
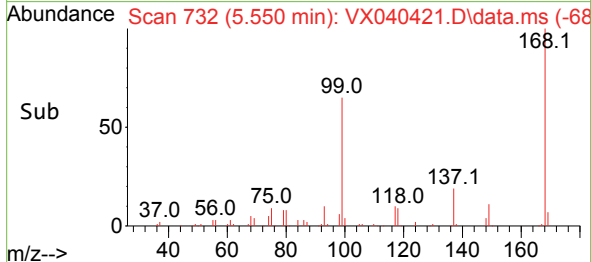
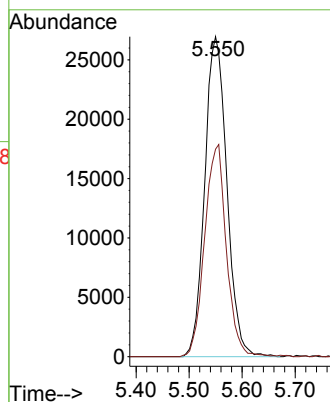
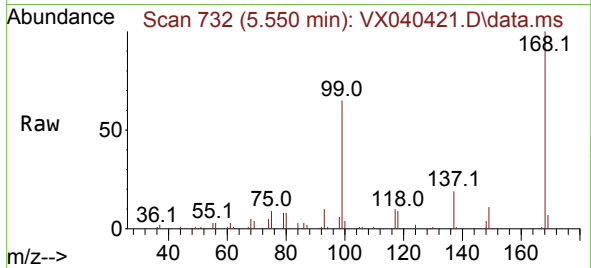




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

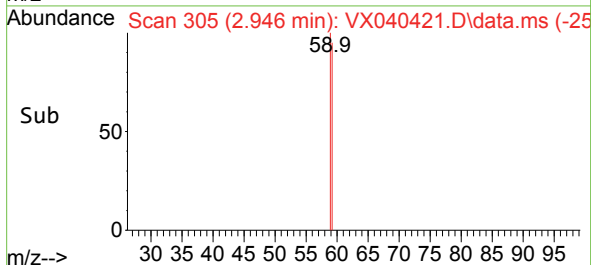
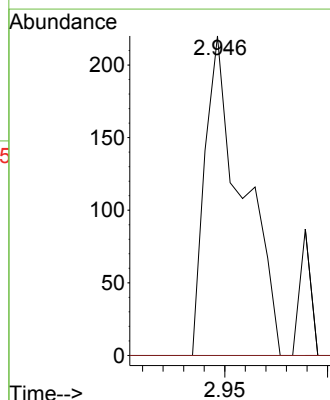
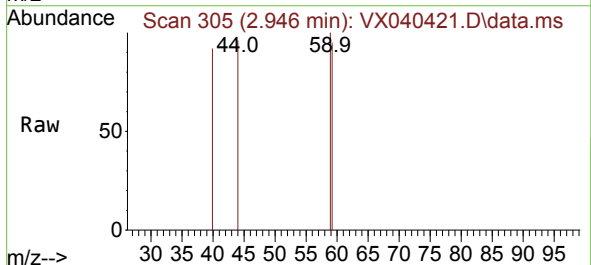
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

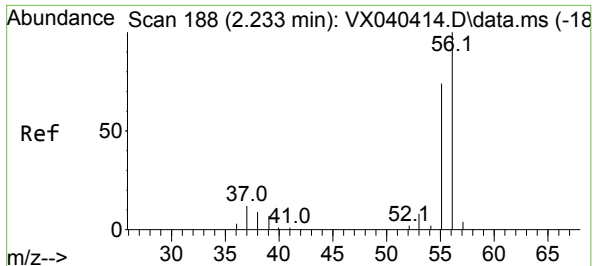
Tgt Ion:168 Resp: 78203
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.145 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.560 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX040421.D

Acq: 23 Feb 2024 11:07

Instrument :

MSVOA_X

ClientSampleId :

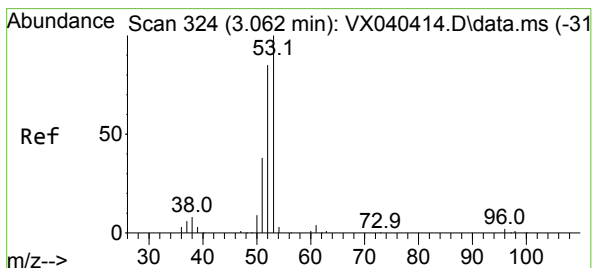
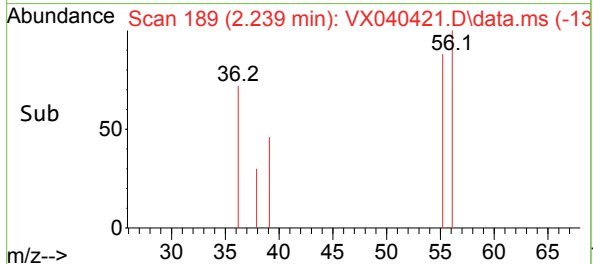
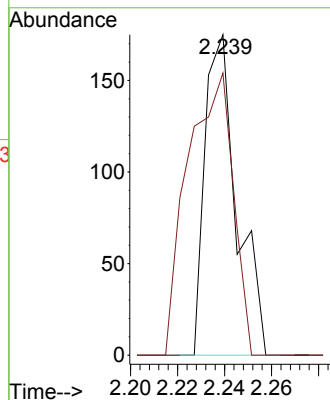
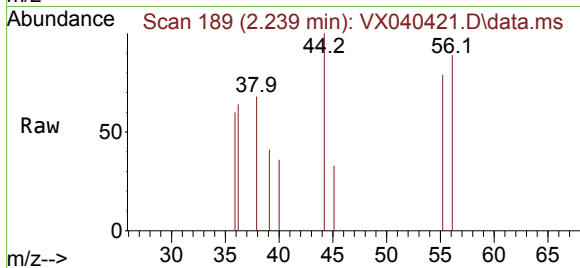
VX0223MBL01

Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 124.8 57.1 85.7#



#15

Acrylonitrile

Concen: 0.797 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.000 min

Lab File: VX040421.D

Acq: 23 Feb 2024 11:07

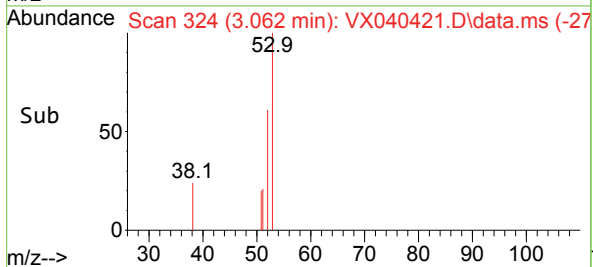
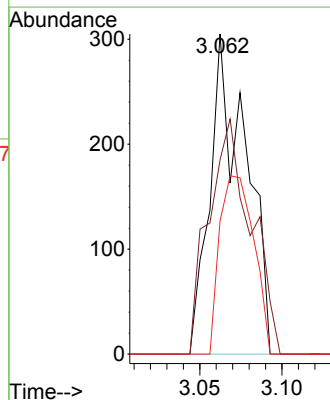
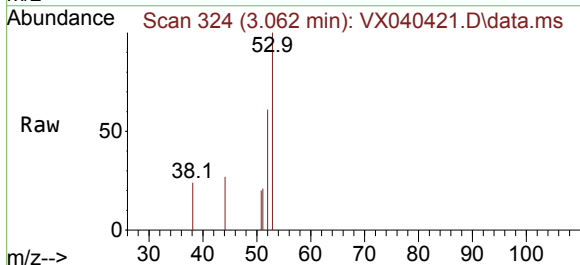
Tgt Ion: 53 Resp: 460

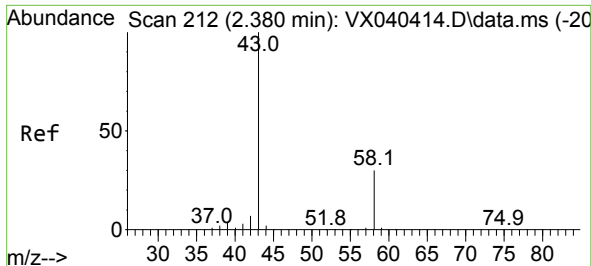
Ion Ratio Lower Upper

53 100

52 87.2 66.0 99.0

51 53.3 29.8 44.6#

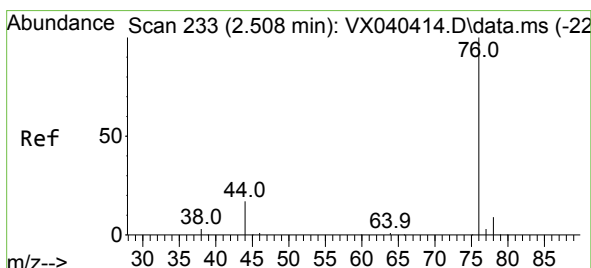
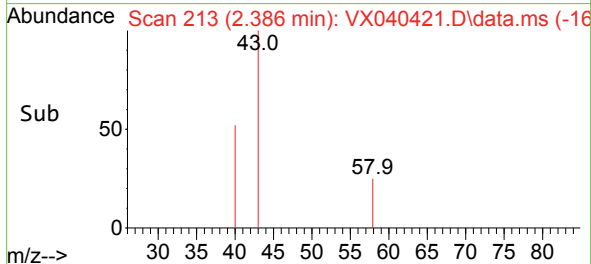
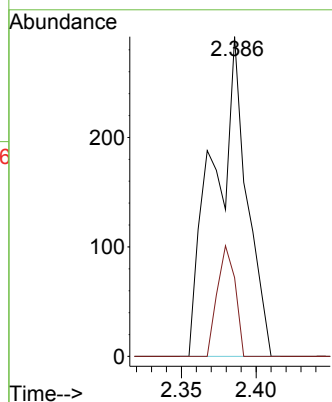
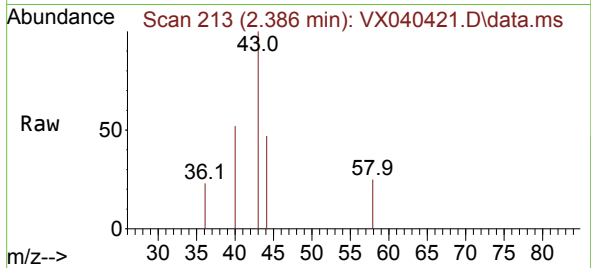




#16
Acetone
Concen: 0.848 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

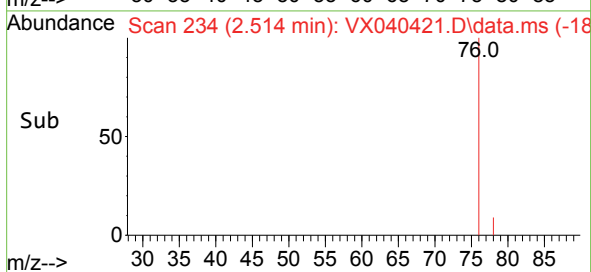
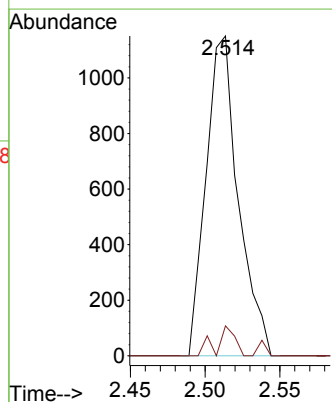
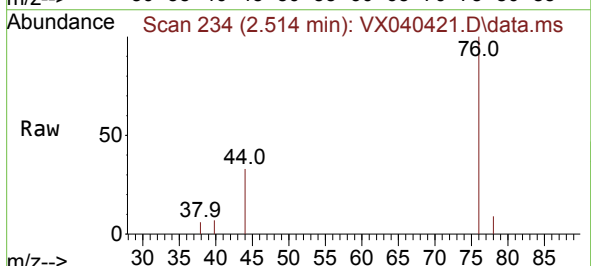
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

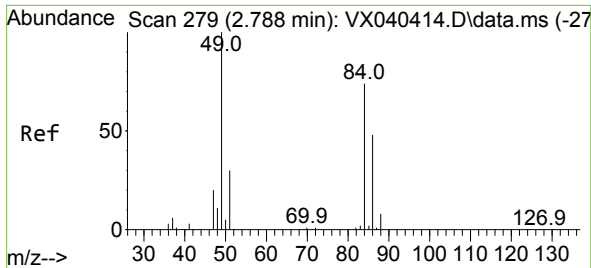
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 24.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 76 Resp: 1729
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

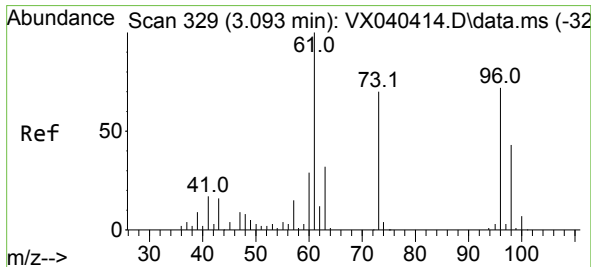
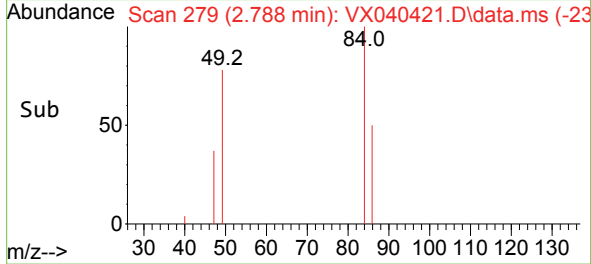
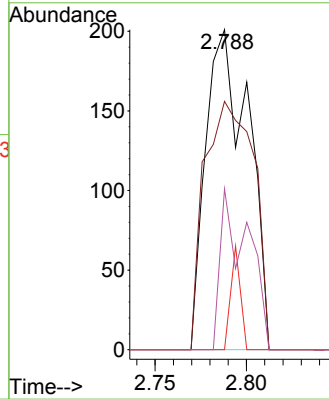
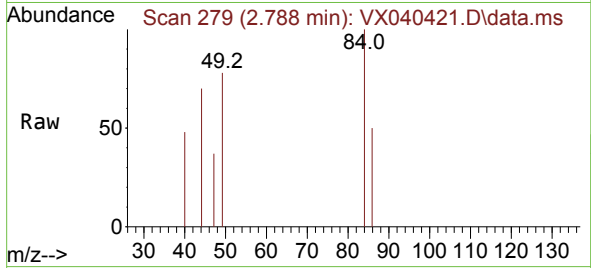




#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

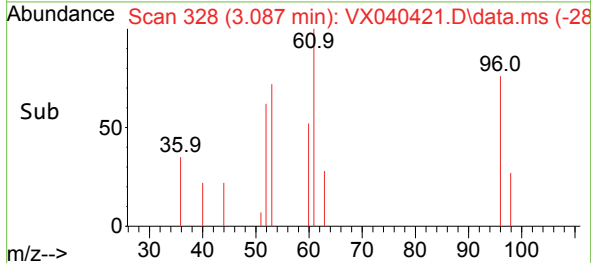
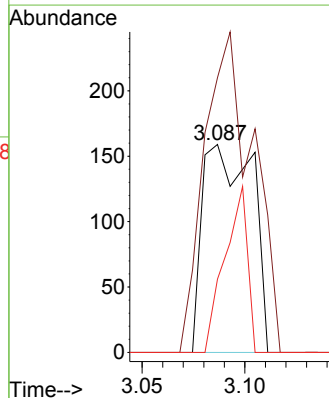
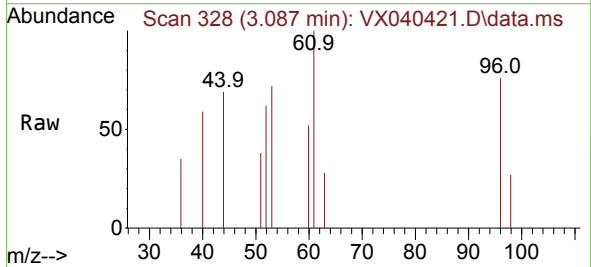
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

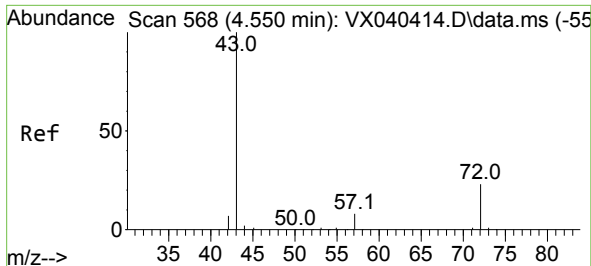
Tgt Ion: 84	Resp: 325
Ion Ratio	Lower Upper
84 100	
49 77.6	103.6 155.4#
51 0.0	33.8 50.6#
86 50.2	49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 96	Resp:	267	
Ion	Ratio	Lower	Upper
96	100		
61	132.1	119.2	178.8
98	35.2	48.7	73.1#

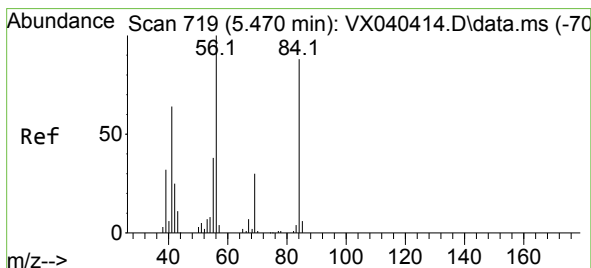
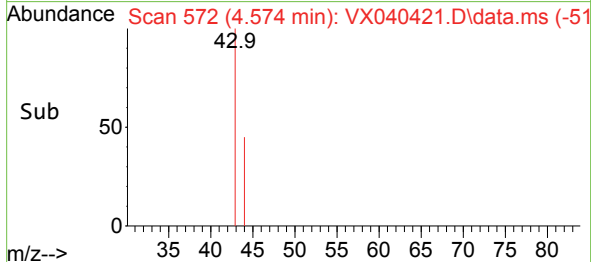
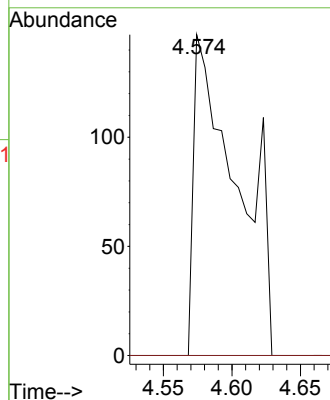
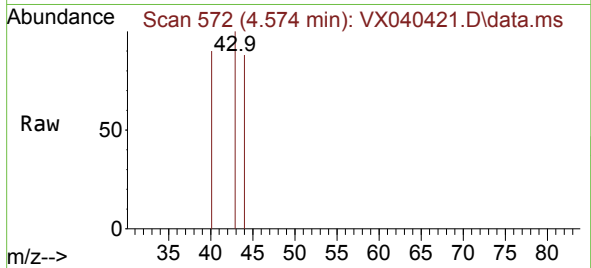




#25
2-Butanone
Concen: 0.389 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

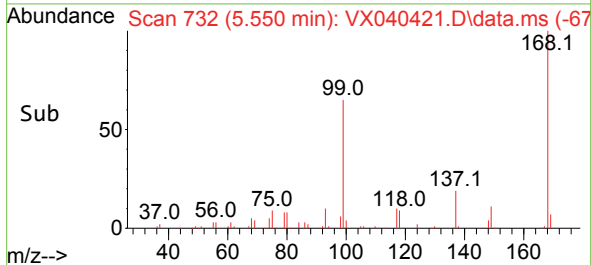
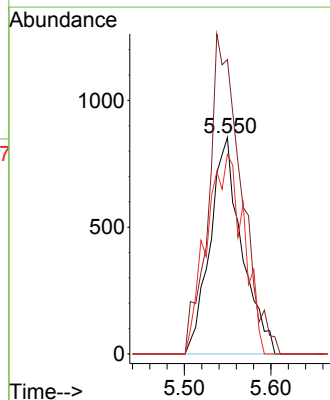
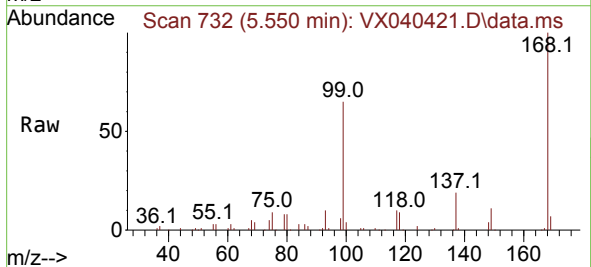
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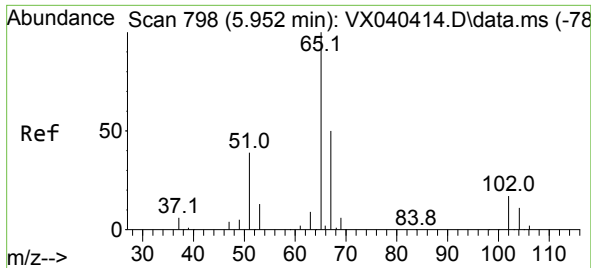
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.419 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 56 Resp: 2167
Ion Ratio Lower Upper
56 100
69 135.9 23.4 35.2#
84 92.2 65.9 98.9

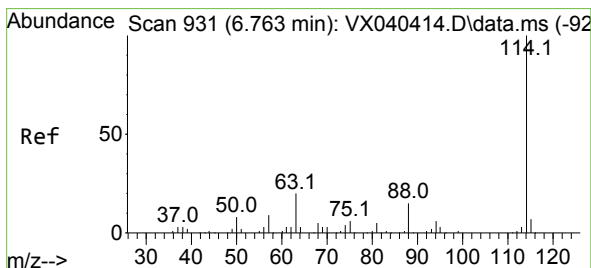
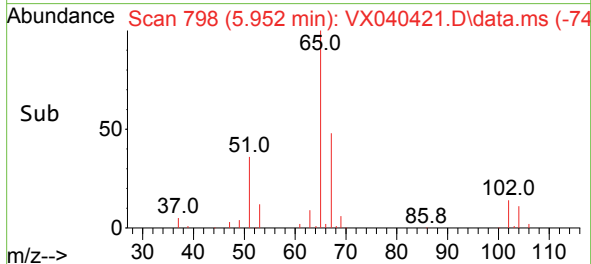
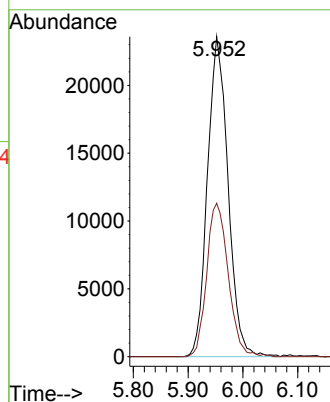
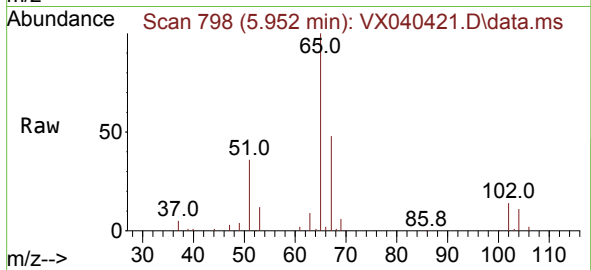




#33
 1,2-Dichloroethane-d4
 Concen: 48.276 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX040421.D
 Acq: 23 Feb 2024 11:07

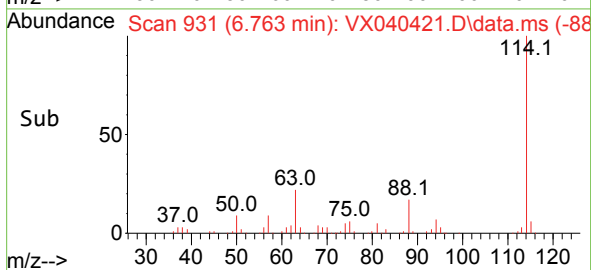
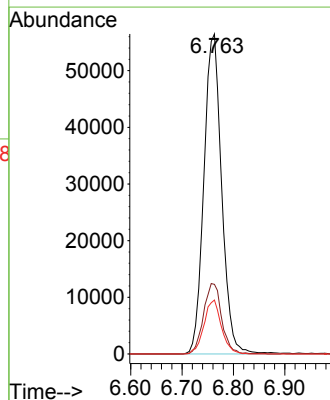
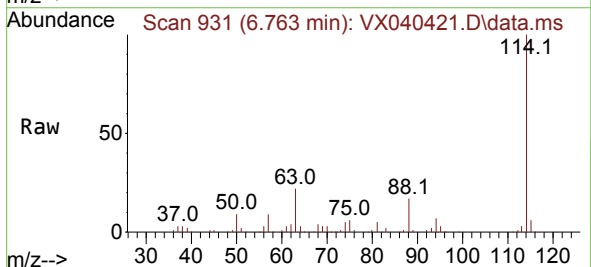
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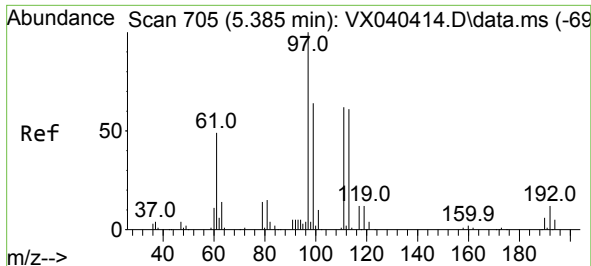
Tgt Ion: 65 Resp: 61484
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040421.D
 Acq: 23 Feb 2024 11:07

Tgt Ion: 114 Resp: 135504
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 45.0
 88 16.9 0.0 36.6

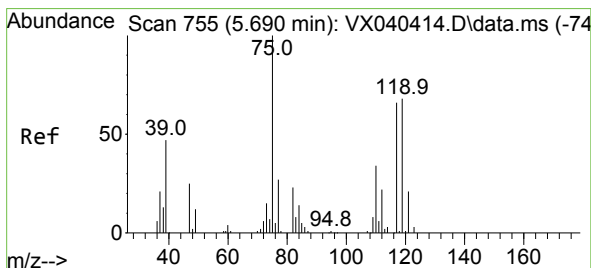
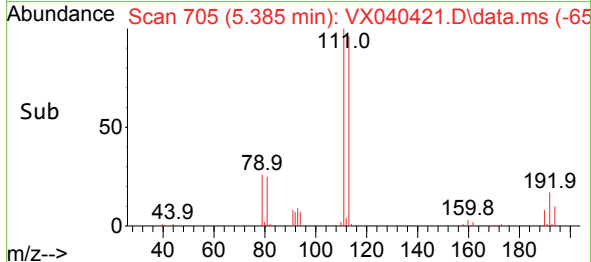
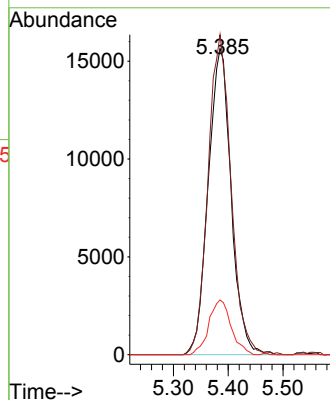
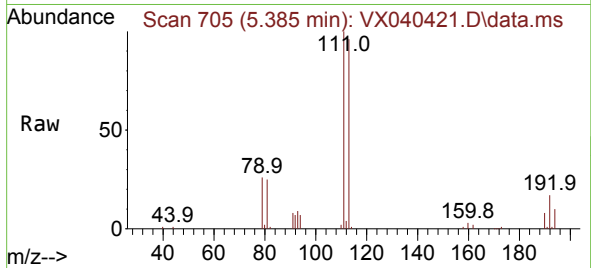




#35
Dibromofluoromethane
Concen: 49.641 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

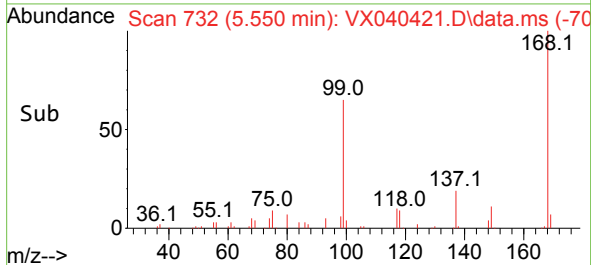
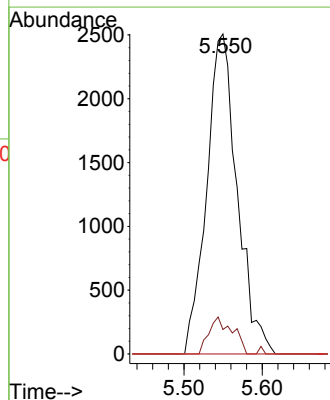
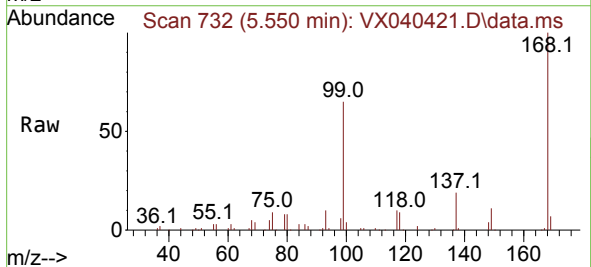
Instrument :
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ClientSampleId :
VX0223MBL01

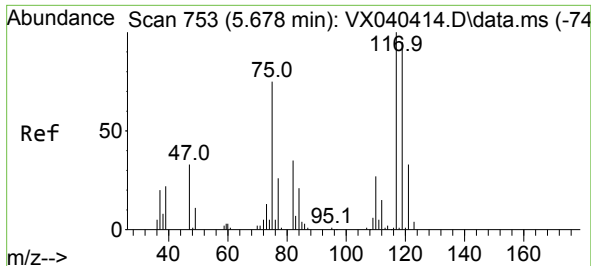
Tgt Ion:113 Resp: 45329
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

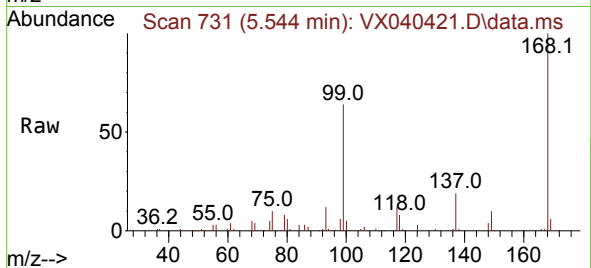
Tgt Ion: 75 Resp: 6798
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



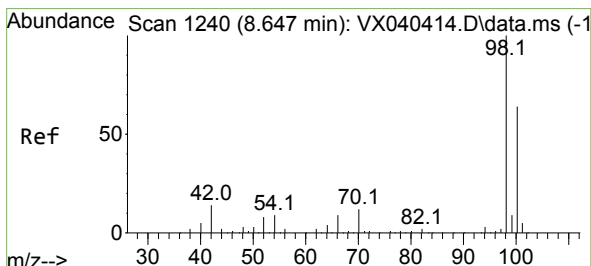
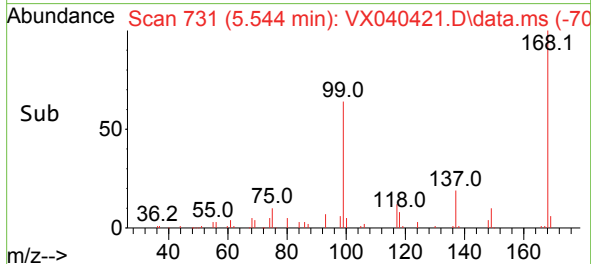
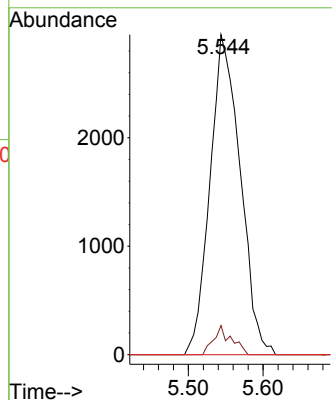


#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

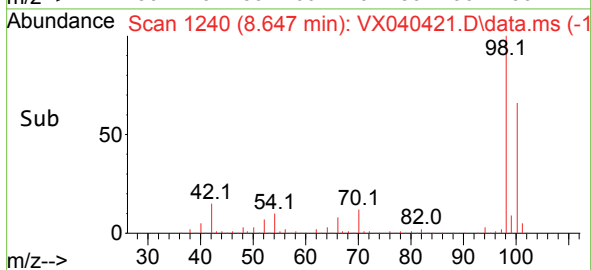
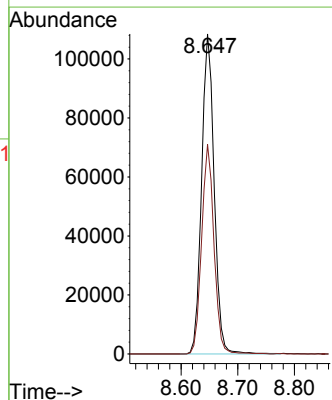
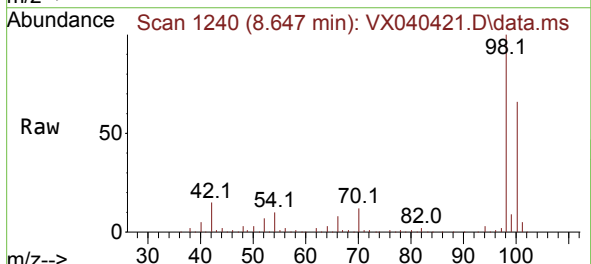


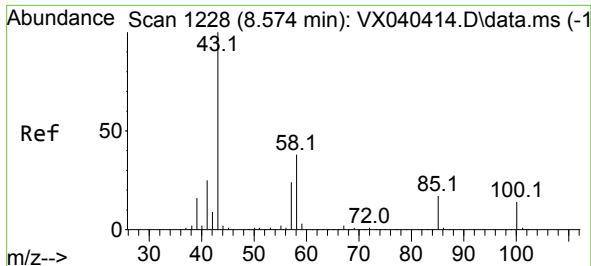
Tgt Ion:117 Resp: 8291
Ion Ratio Lower Upper
117 100
119 9.1 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 98 Resp: 166560
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

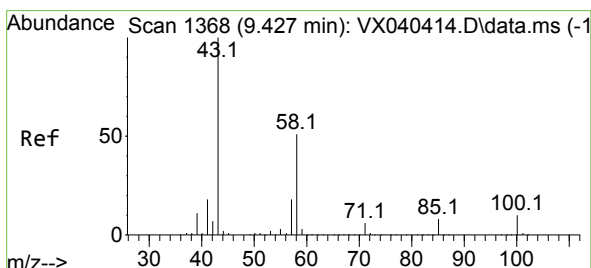
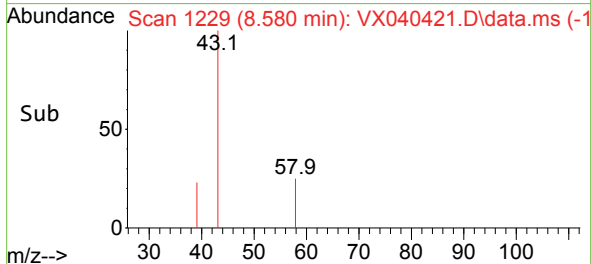
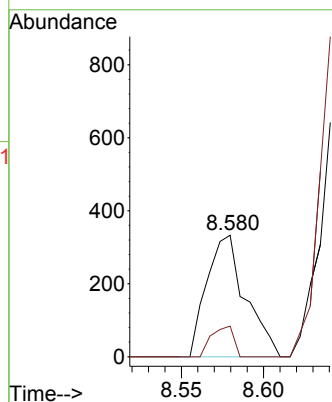
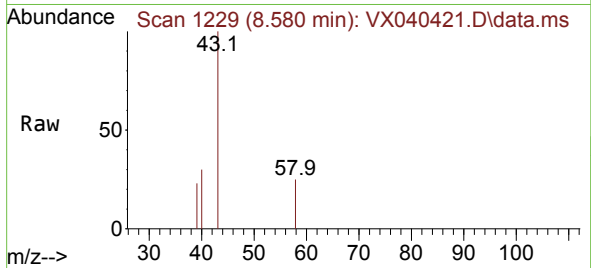




#51
4-Methyl-2-Pentanone
Concen: 0.324 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

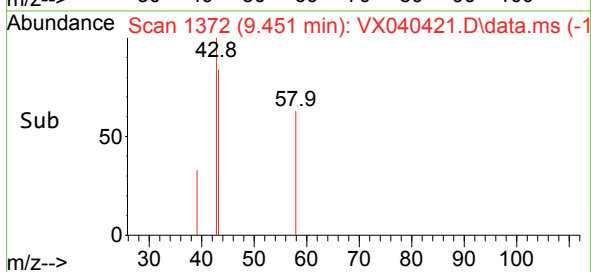
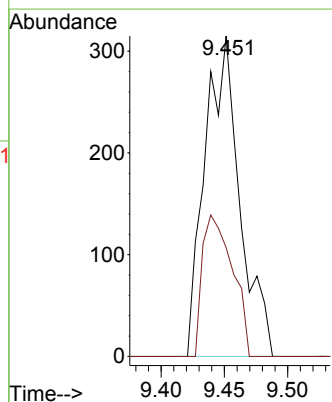
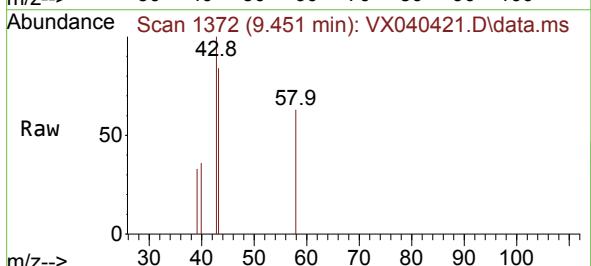
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

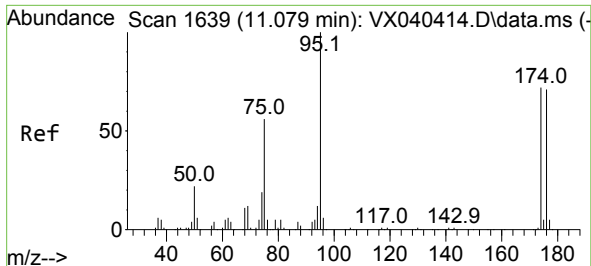
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
58 14.5 30.4 45.6#



#59
2-Hexanone
Concen: 0.465 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.024 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 38.1 26.2 78.5

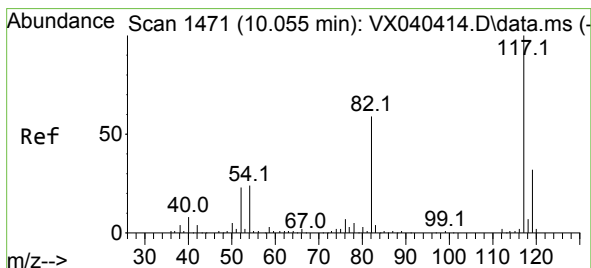
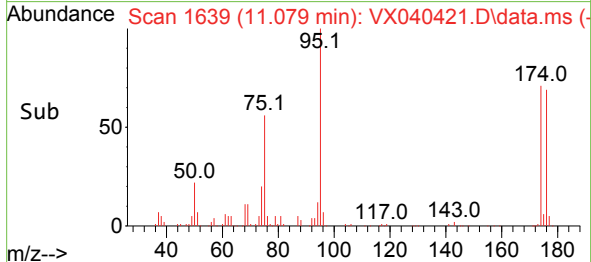
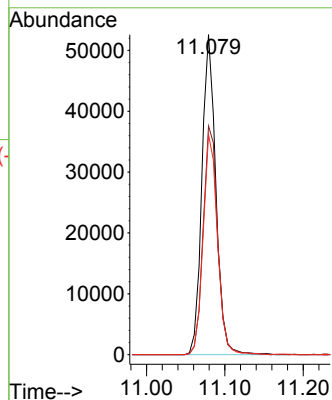
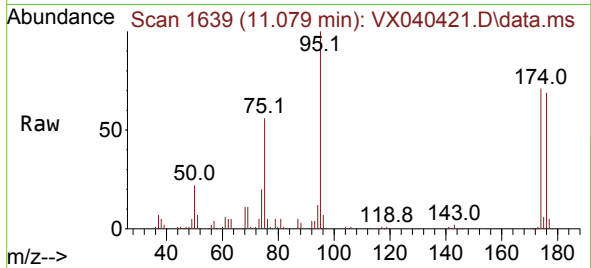




#62
4-Bromofluorobenzene
Concen: 49.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

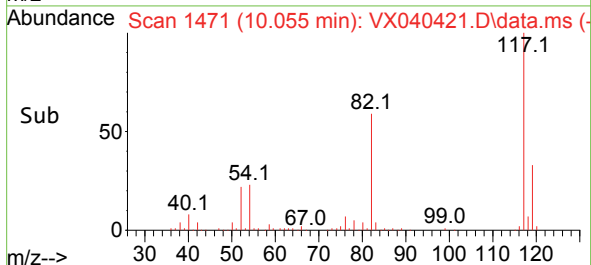
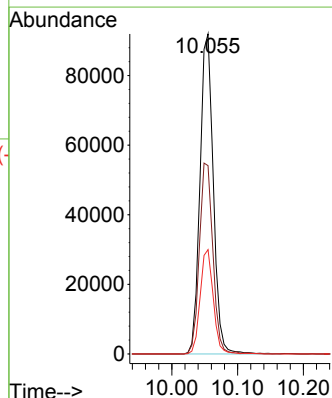
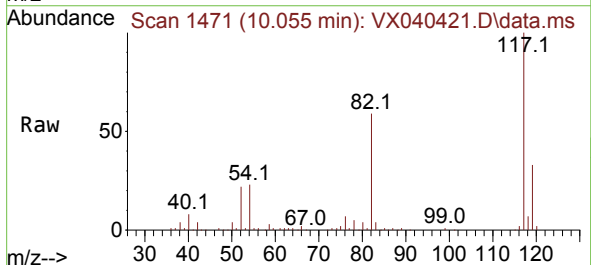
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

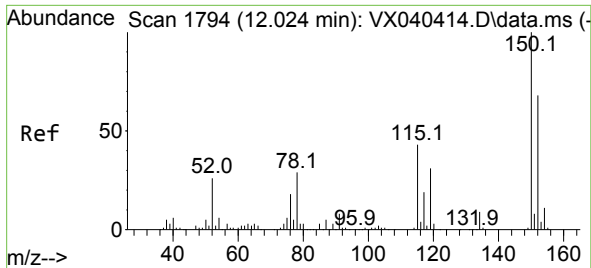
Tgt Ion: 95 Resp: 65026
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 117 Resp: 129515
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.4
119 32.6 25.5 38.3

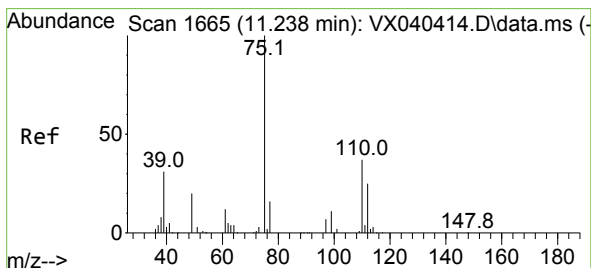
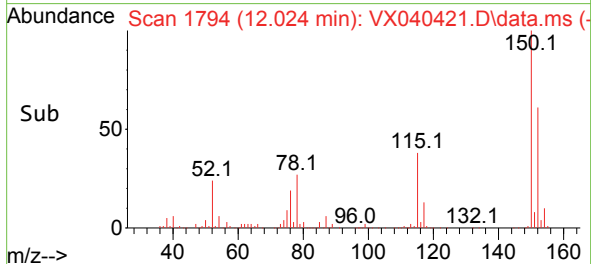
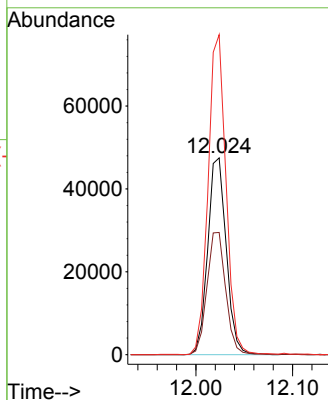
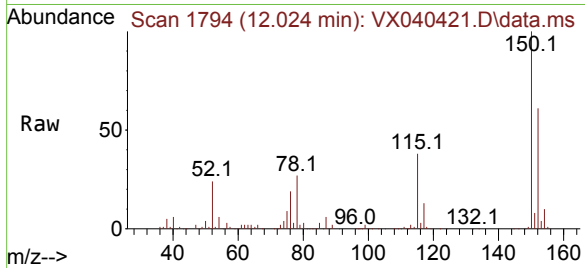




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040421.D
 Acq: 23 Feb 2024 11:07

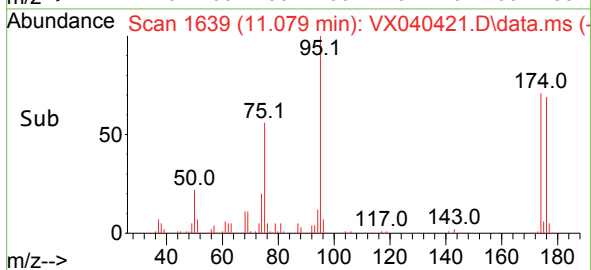
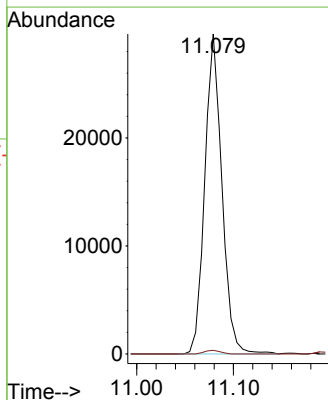
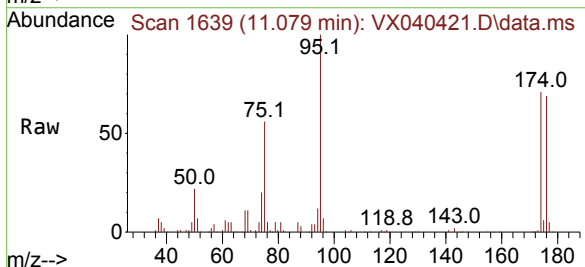
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223MBL01

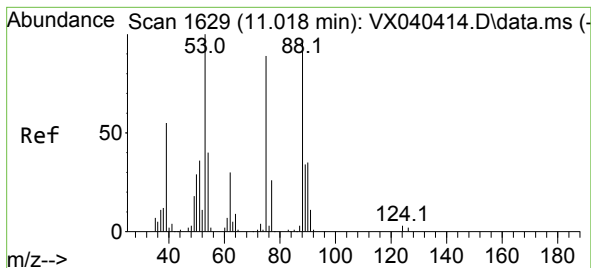
Tgt Ion:152 Resp: 63409
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.3 129.9
 150 157.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.913 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040421.D
 Acq: 23 Feb 2024 11:07

Tgt Ion: 75 Resp: 36537
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

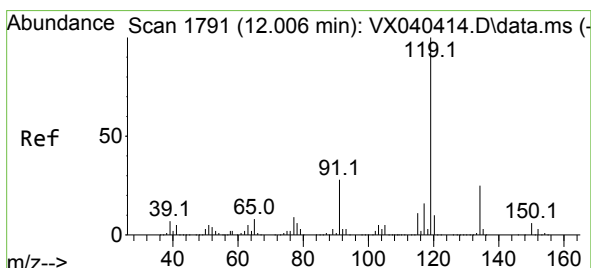
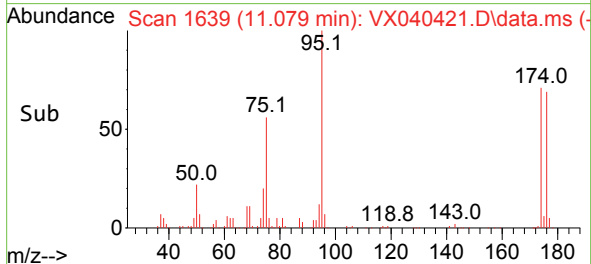
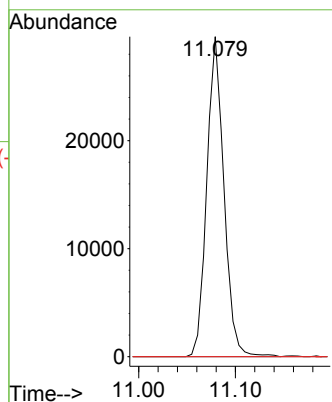
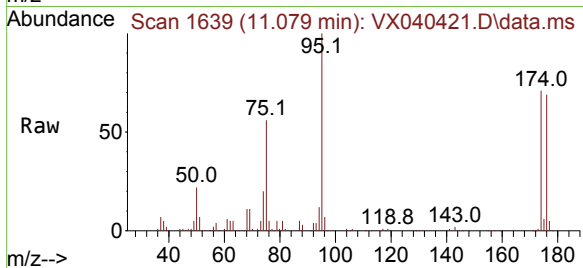




#81
trans-1,4-Dichloro-2-butene
Concen: 90.167 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

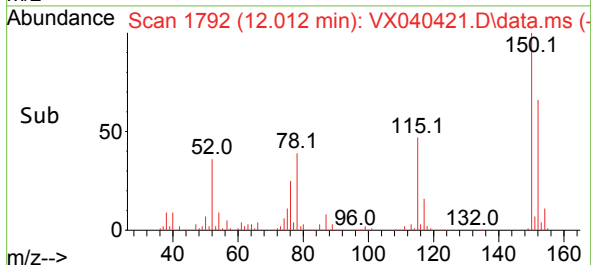
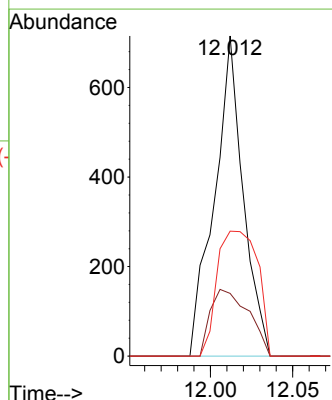
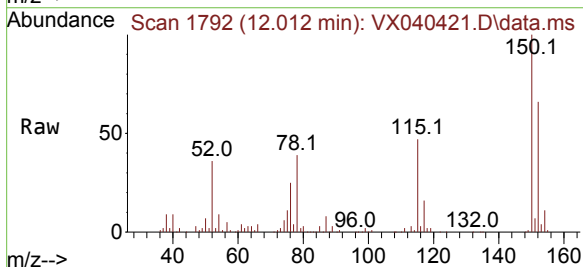
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

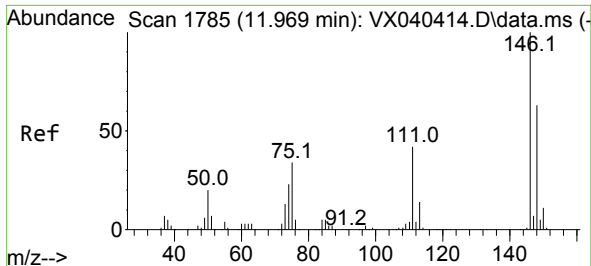
Tgt Ion: 75 Resp: 36537
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.228 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 119 Resp: 870
Ion Ratio Lower Upper
119 100
134 27.7 12.8 38.3
91 55.1 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.313 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040421.D

Acq: 23 Feb 2024 11:07

Instrument :

MSVOA_X

ClientSampleId :

VX0223MBL01

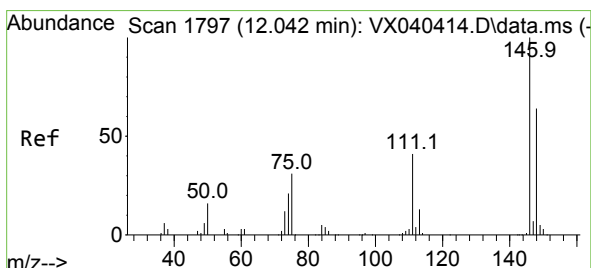
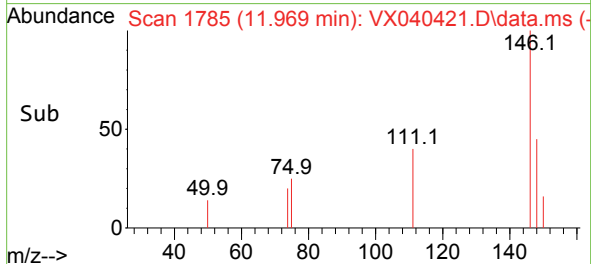
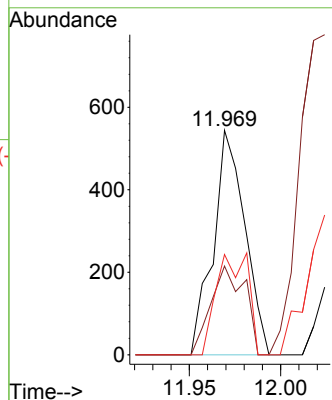
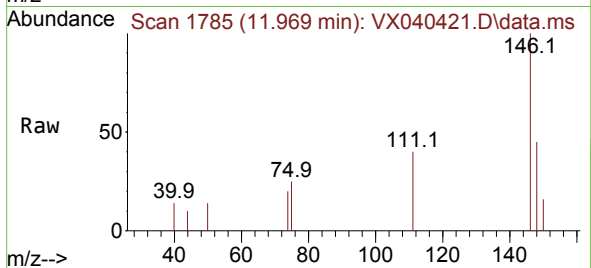
Tgt Ion:146 Resp: 656

Ion Ratio Lower Upper

146 100

111 42.2 22.1 66.1

148 45.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.302 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX040421.D

Acq: 23 Feb 2024 11:07

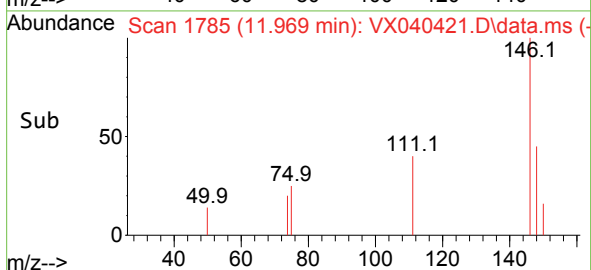
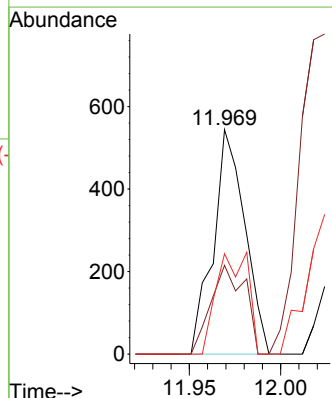
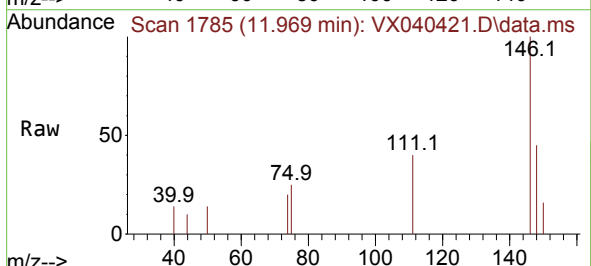
Tgt Ion:146 Resp: 656

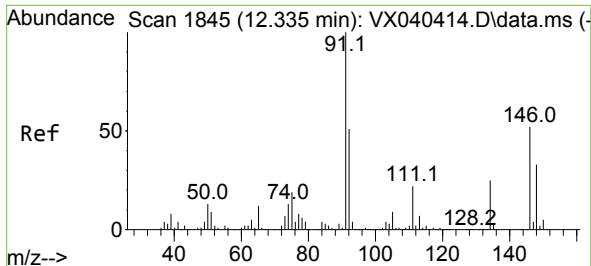
Ion Ratio Lower Upper

146 100

111 42.2 21.3 63.7

148 45.1 31.8 95.4

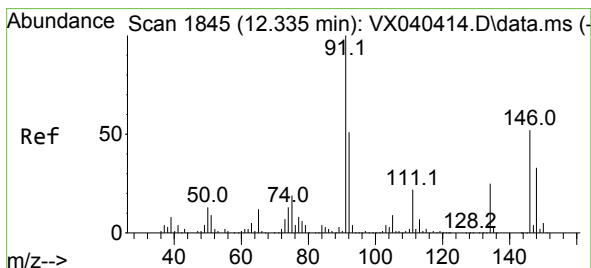
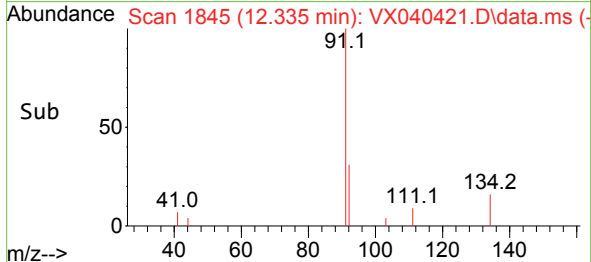
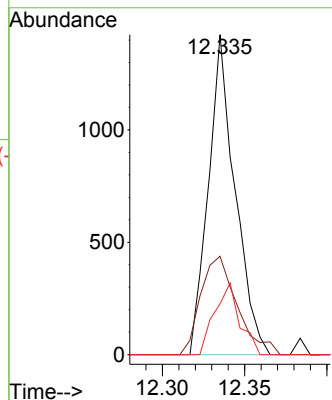
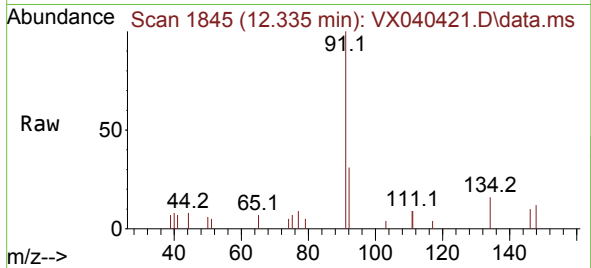




#89
n-Butylbenzene
Concen: 0.426 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

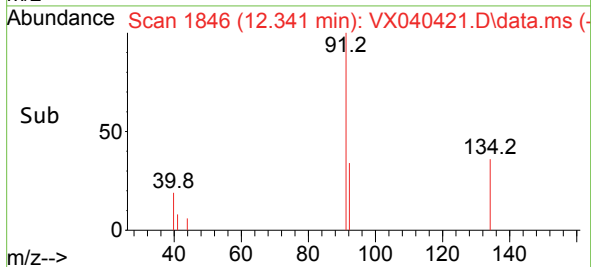
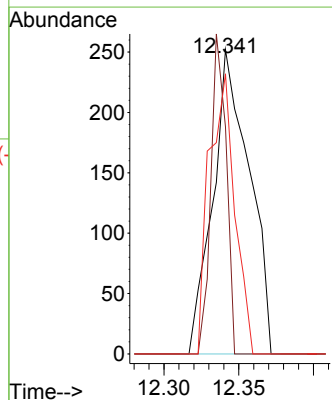
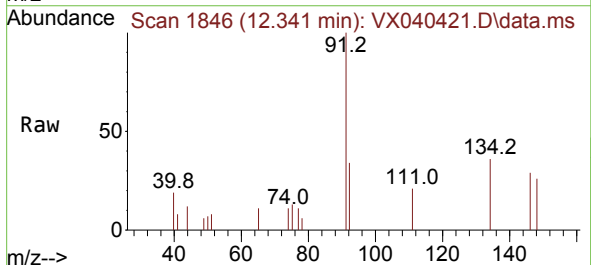
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

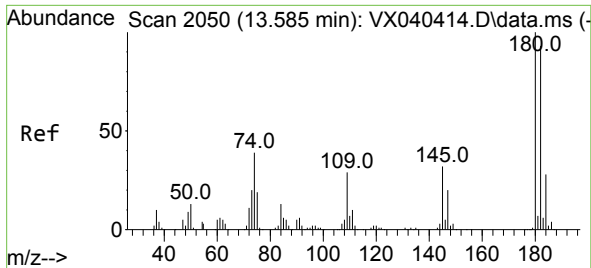
Tgt Ion: 91 Resp: 1601
Ion Ratio Lower Upper
91 100
92 42.1 27.4 82.0
134 20.9 12.6 37.8



#91
1,2-Dichlorobenzene
Concen: 0.211 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion: 146 Resp: 427
Ion Ratio Lower Upper
146 100
111 44.0 22.4 67.0
148 64.6 31.6 95.0

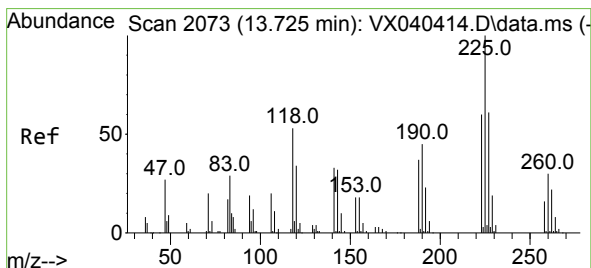
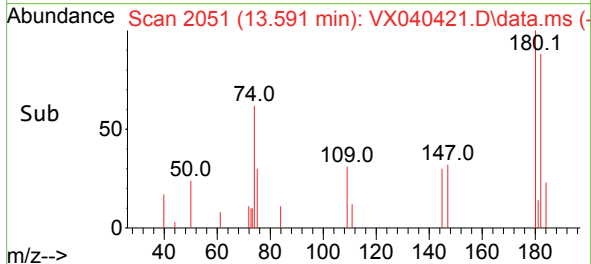
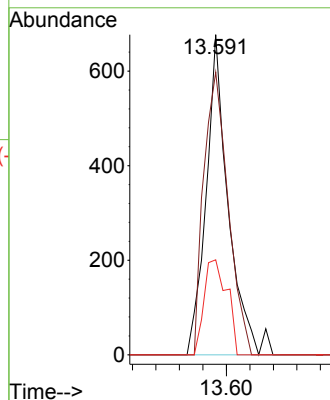
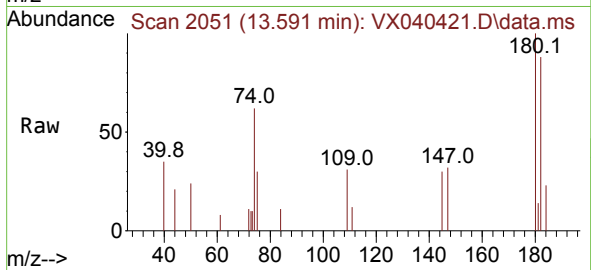




#93
1,2,4-Trichlorobenzene
Concen: 0.680 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

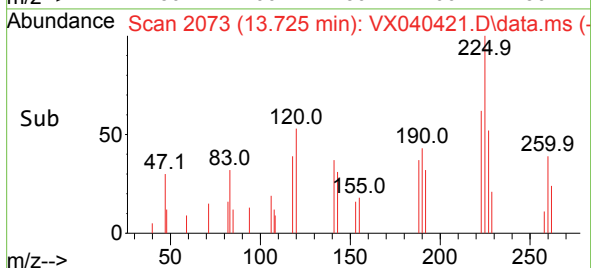
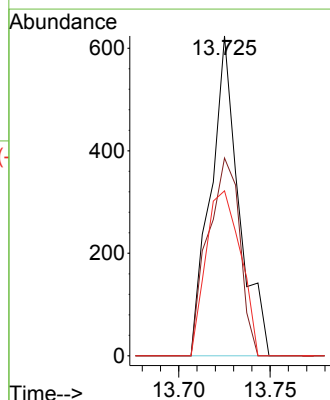
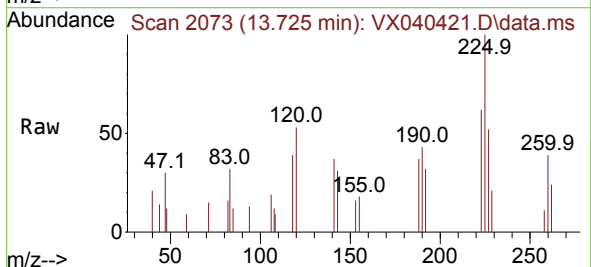
Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

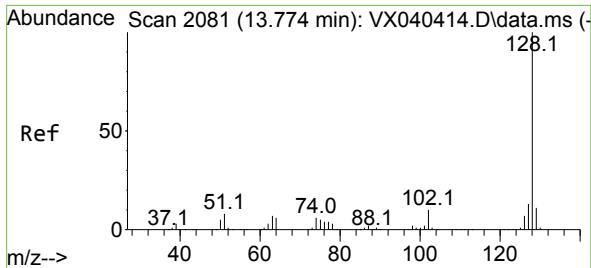
Tgt Ion:180 Resp: 888
Ion Ratio Lower Upper
180 100
182 97.0 48.3 144.8
145 30.6 18.0 54.0



#94
Hexachlorobutadiene
Concen: 1.419 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion:225 Resp: 671
Ion Ratio Lower Upper
225 100
223 69.4 31.1 93.2
227 63.5 32.5 97.5

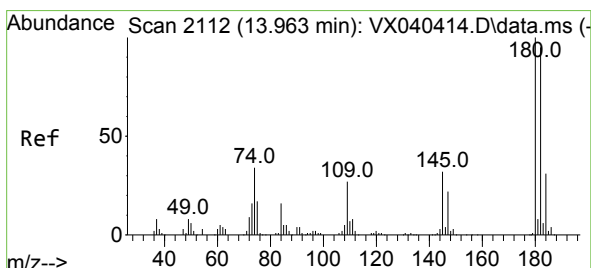
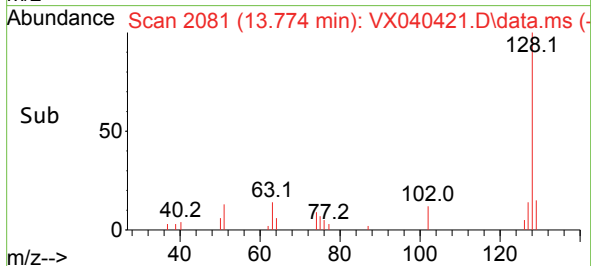
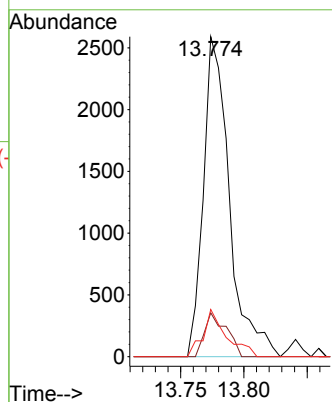
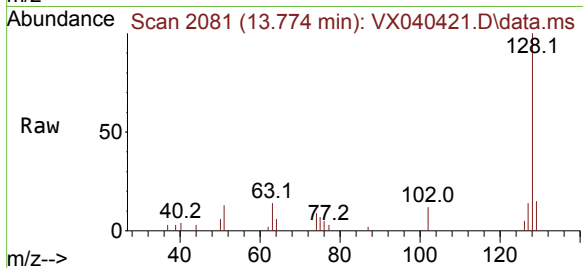




#95
Naphthalene
Concen: 0.884 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Instrument :
MSVOA_X
ClientSampleId :
VX0223MBL01

Tgt Ion:128	Resp:	3704	
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.3	15.5
129	13.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.735 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX040421.D
Acq: 23 Feb 2024 11:07

Tgt Ion:180	Resp:	924	
Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	35.5	17.8	53.5

