

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038719.D
 Acq On : 10 Nov 2023 11:03
 Operator : JC/MD
 Sample : VX1110MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110MBL01

Quant Time: Nov 11 01:50:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

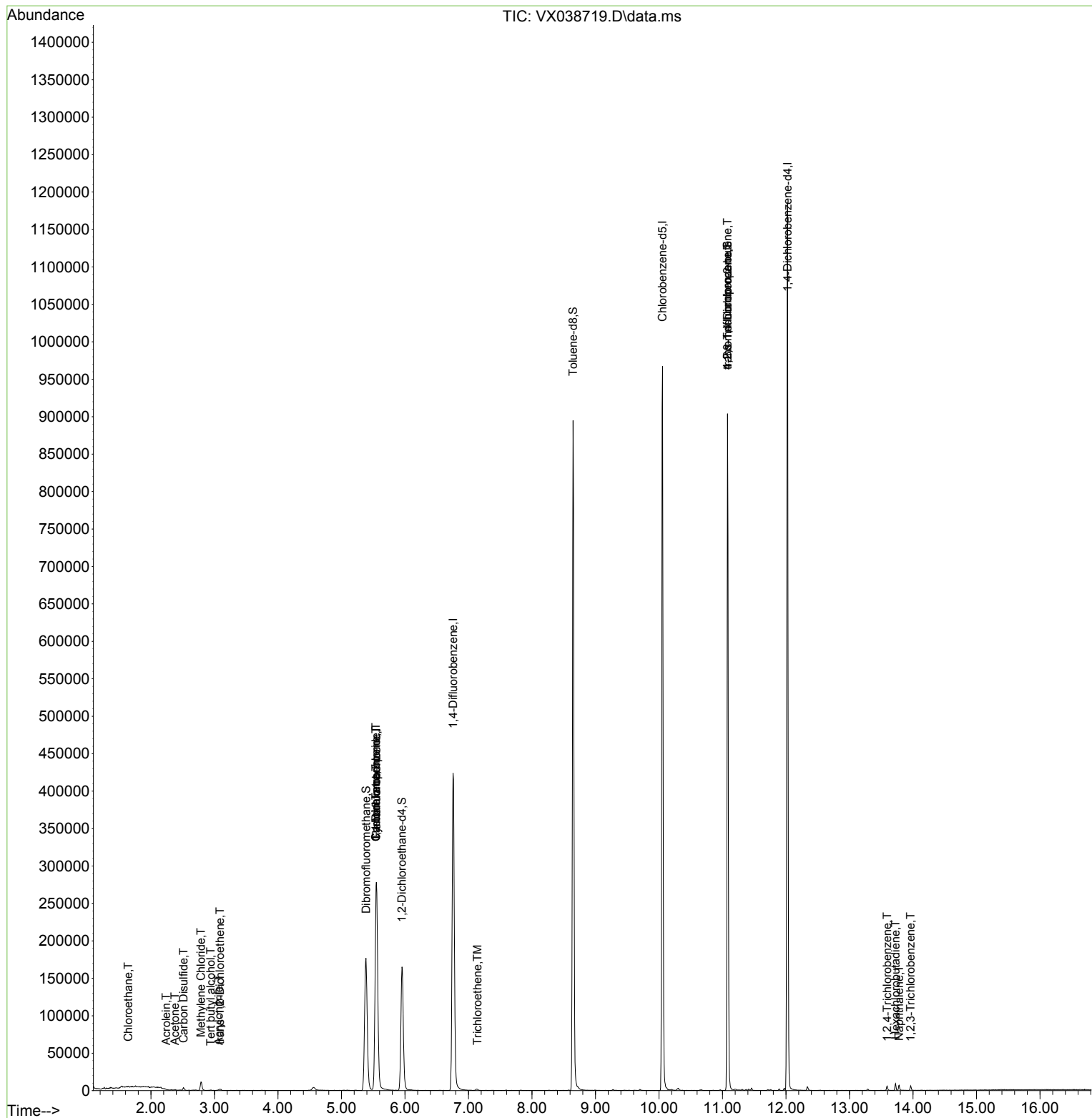
Internal Standards						
1) Pentafluorobenzene	5.550	168	293861	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	484067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	495993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	281372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166575	45.531	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.060%		
35) Dibromofluoromethane	5.385	113	157987	45.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.640%		
50) Toluene-d8	8.647	98	573997	46.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.020%		
62) 4-Bromofluorobenzene	11.079	95	241039	49.832	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.660%		
Target Compounds						Qvalue
6) Chloroethane	1.642	64	1805	1.015	ug/l	# 55
11) Tert butyl alcohol	2.941	59	392	0.524	ug/l	# 78
13) Acrolein	2.239	56	382	0.674	ug/l	98
15) Acrylonitrile	3.069	53	933	0.591	ug/l	90
16) Acetone	2.380	43	1027	0.667	ug/l	# 87
17) Carbon Disulfide	2.514	76	3988	0.547	ug/l	# 91
20) Methylene Chloride	2.788	84	5976	1.924	ug/l	# 83
21) trans-1,2-Dichloroethene	3.087	96	667	0.223	ug/l	# 64
31) Cyclohexane	5.544	56	4736	1.170	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	19084	4.407	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	27593	5.699	ug/l	# 17
44) Trichloroethene	7.141	130	930	0.240	ug/l	42
76) 1,2,3-Trichloropropane	11.079	75	116351	20.879	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	116351	63.508	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	2066	0.327	ug/l	95
94) Hexachlorobutadiene	13.725	225	1656	0.607	ug/l	97
95) Naphthalene	13.780	128	5668	0.297	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	1909	0.306	ug/l	99

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

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Quant Time: Nov 11 01:50:30 2023
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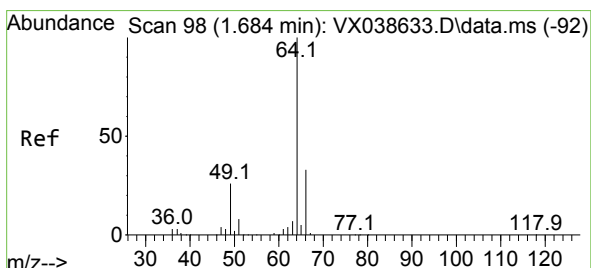
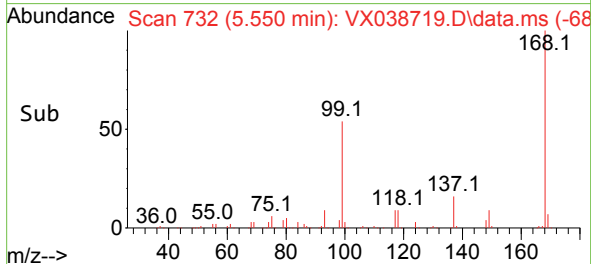
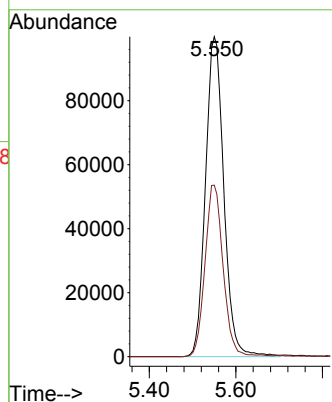
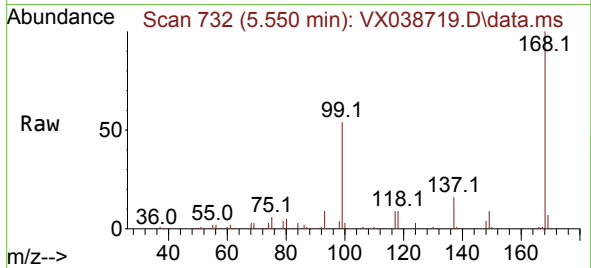




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

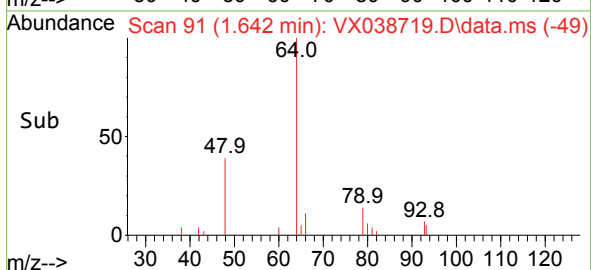
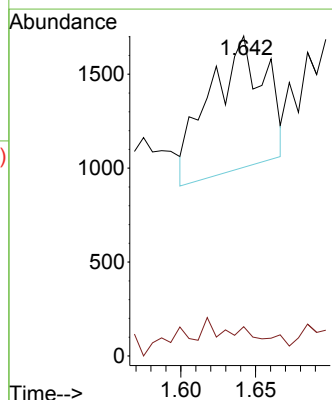
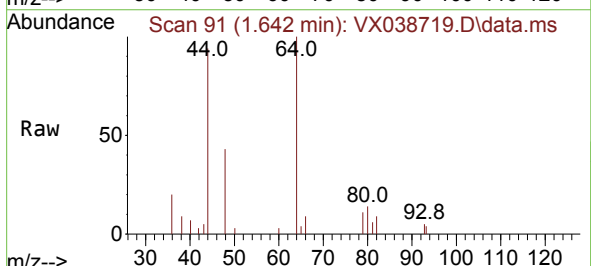
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

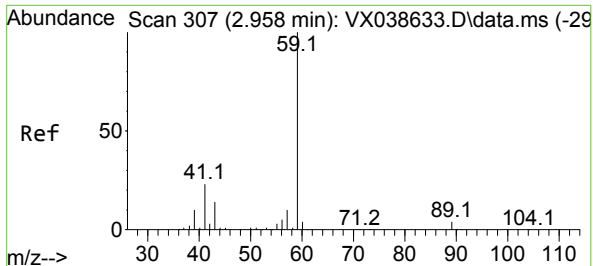
Tgt Ion:168 Resp: 293861
Ion Ratio Lower Upper
168 100
99 53.6 56.6 85.0#



#6
Chloroethane
Concen: 1.015 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.042 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 64 Resp: 1805
Ion Ratio Lower Upper
64 100
66 6.7 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.524 ug/l

RT: 2.941 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

Instrument :

MSVOA_X

ClientSampleId :

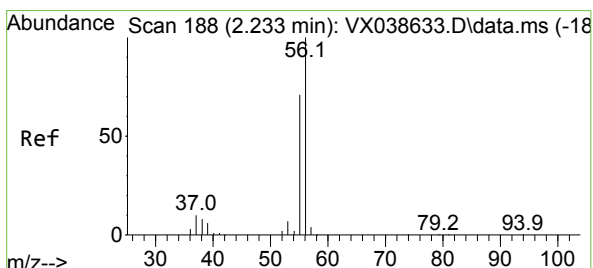
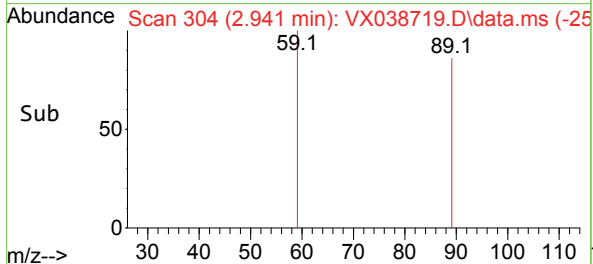
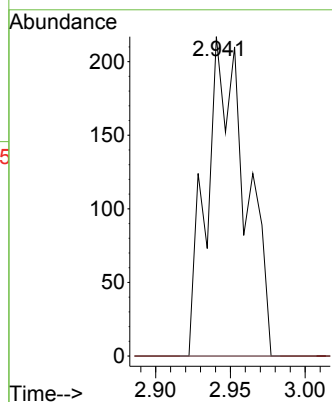
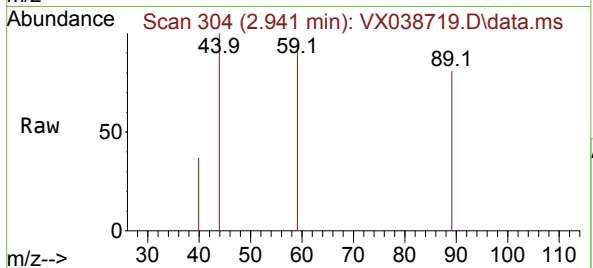
VX1110MBL01

Tgt Ion: 59 Resp: 392

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.674 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.007 min

Lab File: VX038719.D

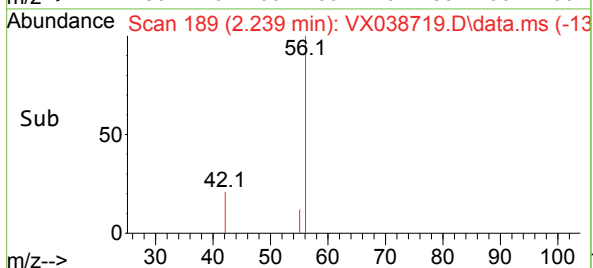
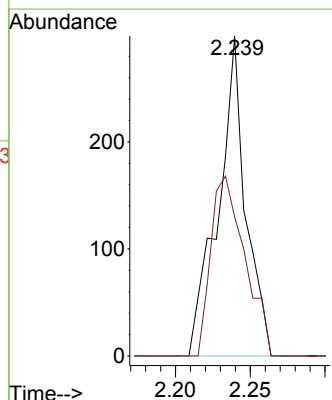
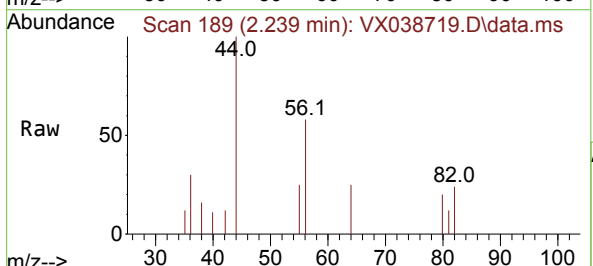
Acq: 10 Nov 2023 11:03

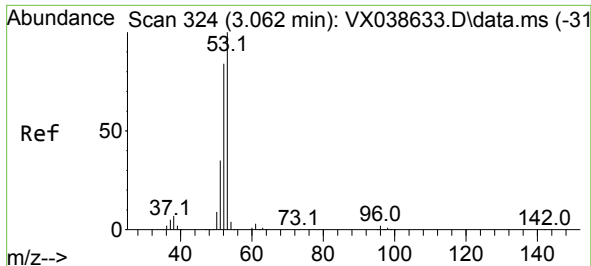
Tgt Ion: 56 Resp: 382

Ion Ratio Lower Upper

56 100

55 69.6 57.1 85.7

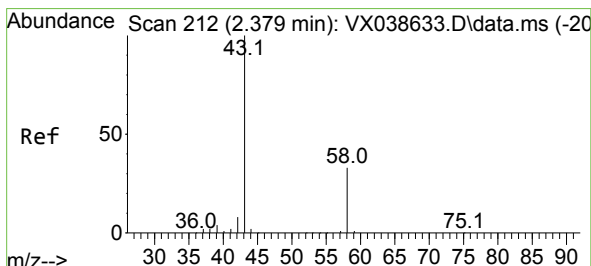
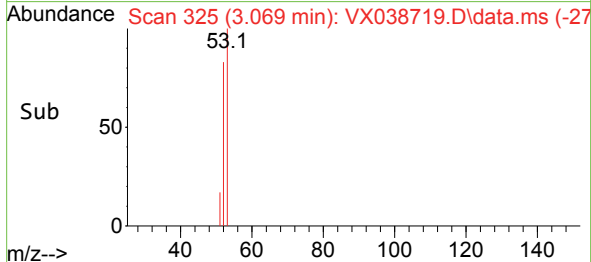
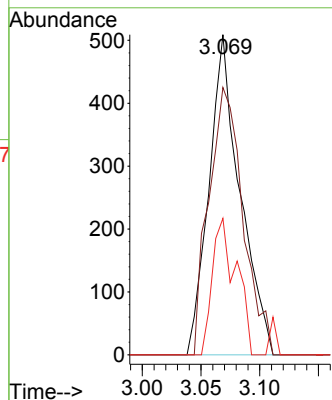
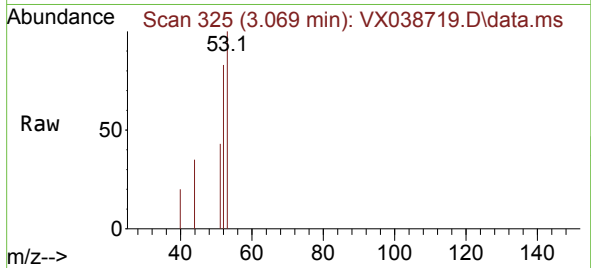




#15
Acrylonitrile
Concen: 0.591 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

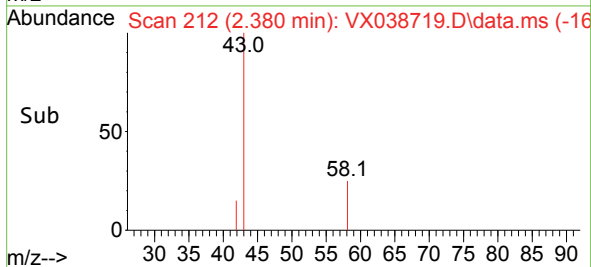
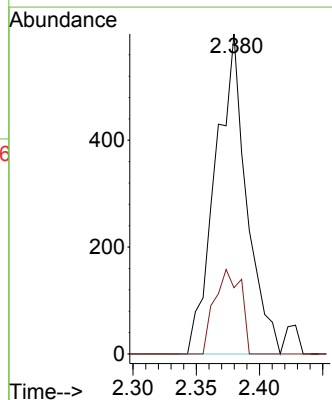
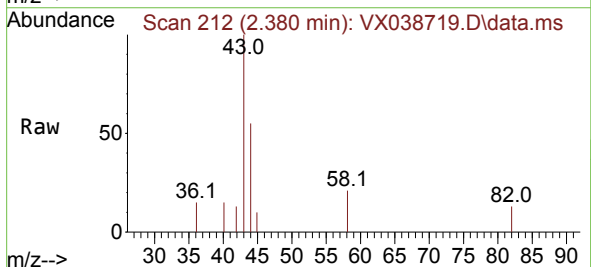
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

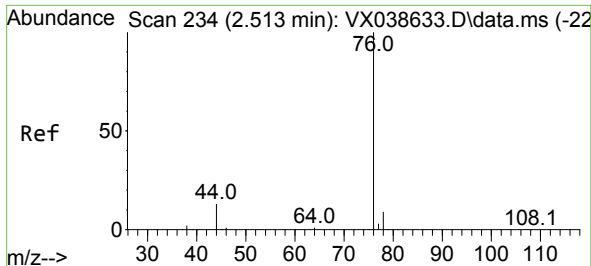
Tgt Ion: 53	Resp:	933
Ion	Ratio	Lower Upper
53	100	
52	92.3	66.0 99.0
51	33.0	29.8 44.6



#16
Acetone
Concen: 0.667 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 43	Resp:	1027
Ion	Ratio	Lower Upper
43	100	
58	20.7	21.9 32.9#

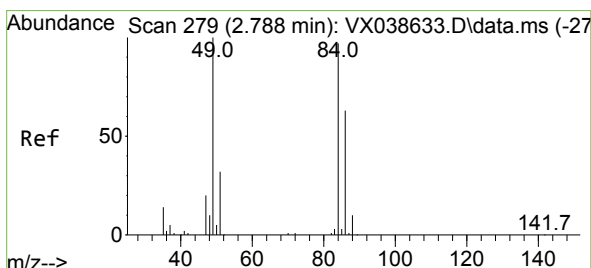
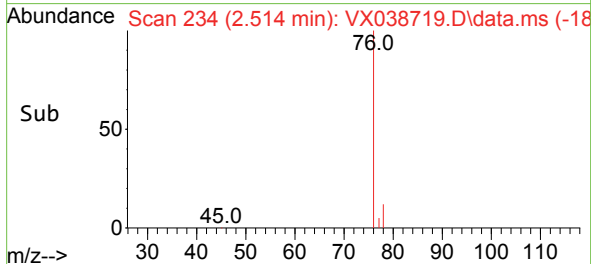
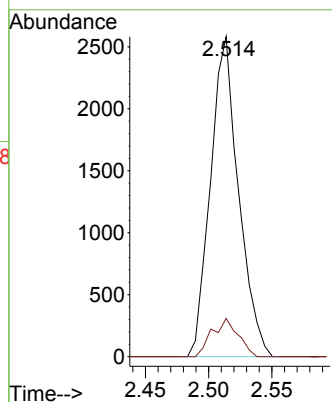
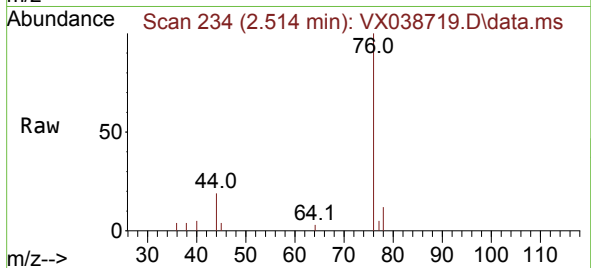




#17
Carbon Disulfide
Concen: 0.547 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

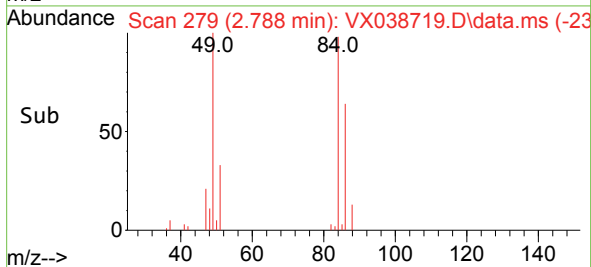
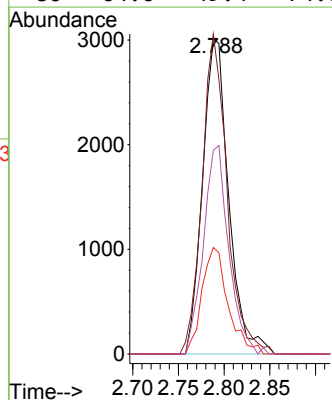
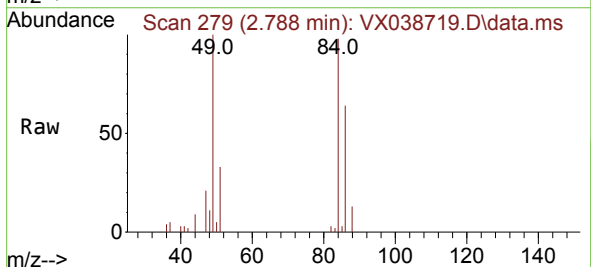
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

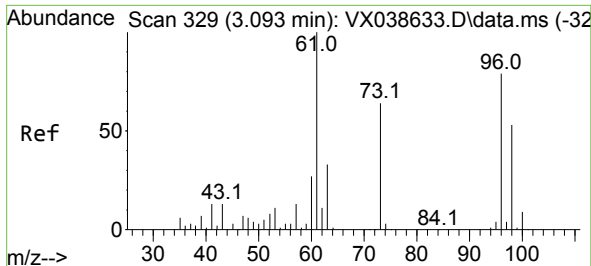
Tgt Ion: 76 Resp: 3988
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.6#



#20
Methylene Chloride
Concen: 1.924 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 84 Resp: 5976
Ion Ratio Lower Upper
84 100
49 101.6 103.6 155.4#
51 33.7 33.8 50.6#
86 64.6 49.4 74.0

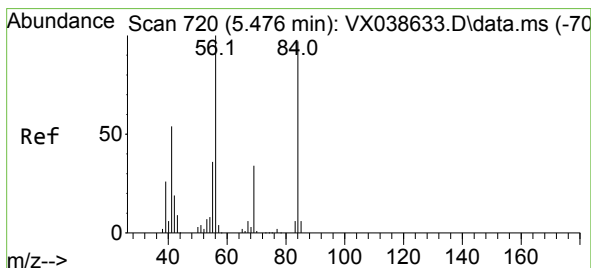
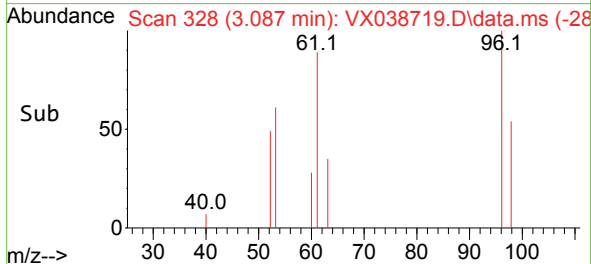
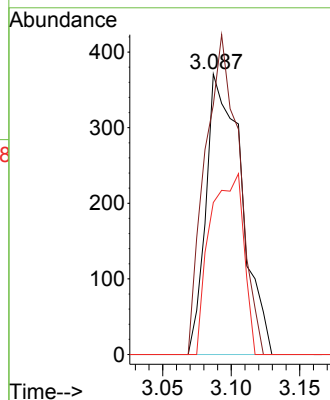
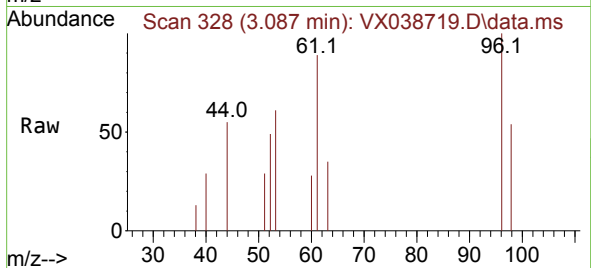




#21
trans-1,2-Dichloroethene
Concen: 0.223 ug/l
RT: 3.087 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

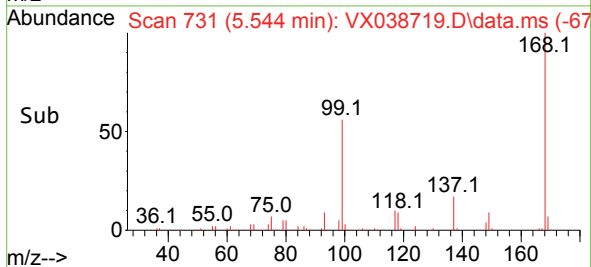
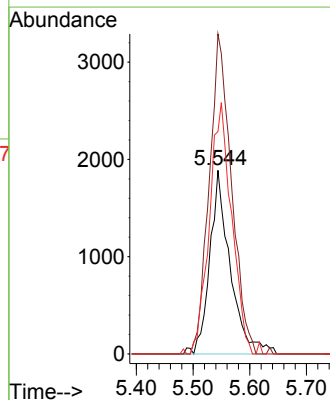
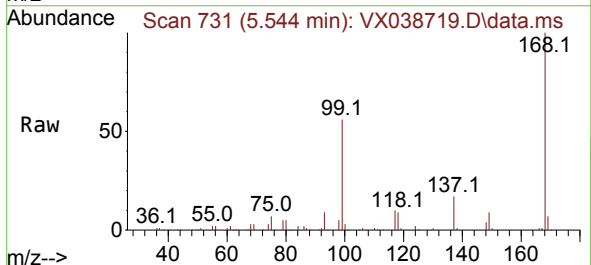
Instrument :
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ClientSampleId :
VX1110MBL01

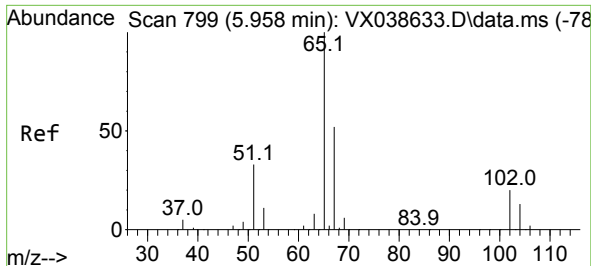
Tgt Ion: 96 Resp: 667
Ion Ratio Lower Upper
96 100
61 88.9 119.2 178.8#
98 54.2 48.7 73.1



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.068 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 56 Resp: 4736
Ion Ratio Lower Upper
56 100
69 174.2 23.4 35.2#
84 121.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.531 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

Instrument :

MSVOA_X

ClientSampleId :

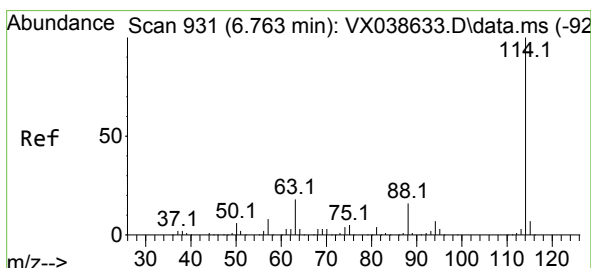
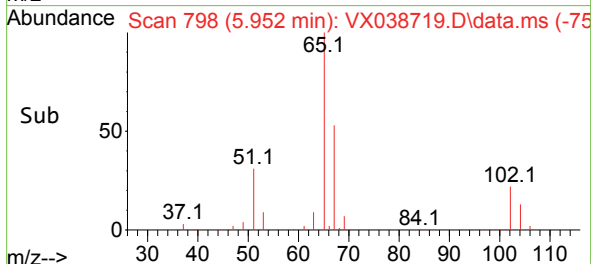
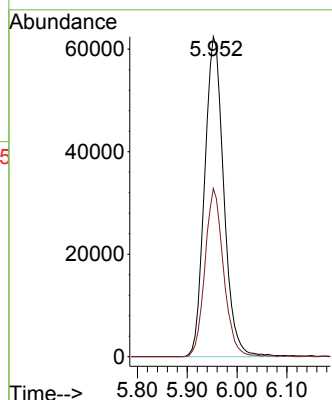
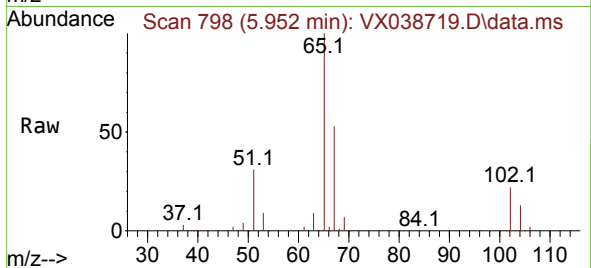
VX1110MBL01

Tgt Ion: 65 Resp: 166575

Ion Ratio Lower Upper

65 100

67 50.9 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: VX038719.D

Acq: 10 Nov 2023 11:03

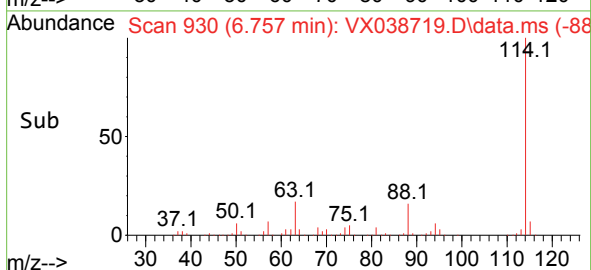
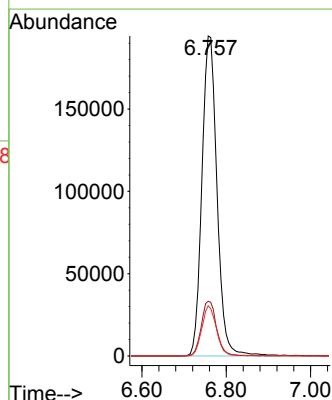
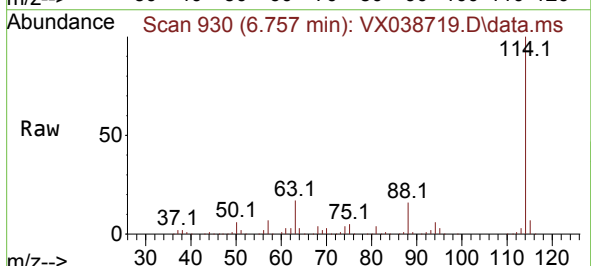
Tgt Ion: 114 Resp: 484067

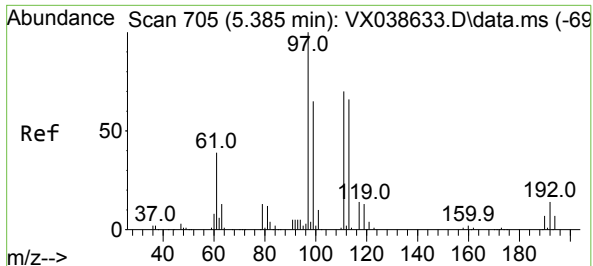
Ion Ratio Lower Upper

114 100

63 17.1 0.0 45.0

88 15.7 0.0 36.6

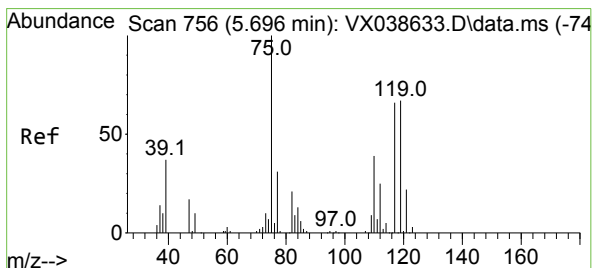
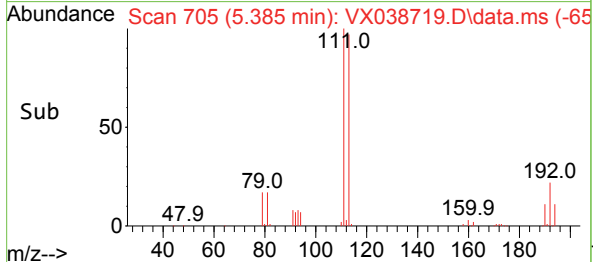
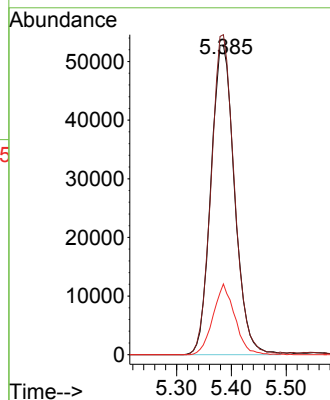
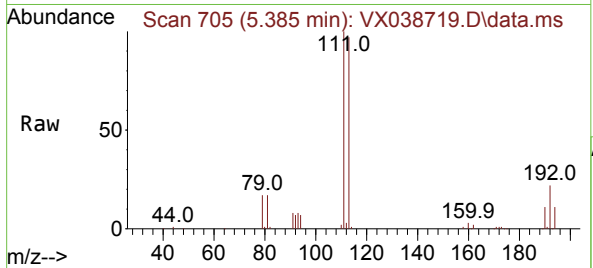




#35
Dibromofluoromethane
Concen: 45.315 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

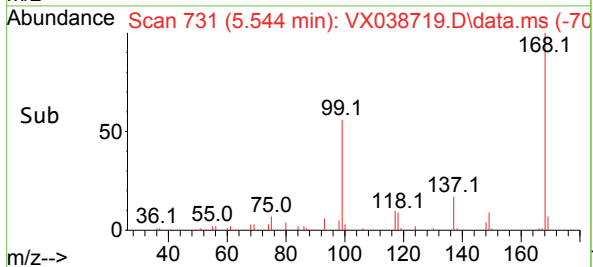
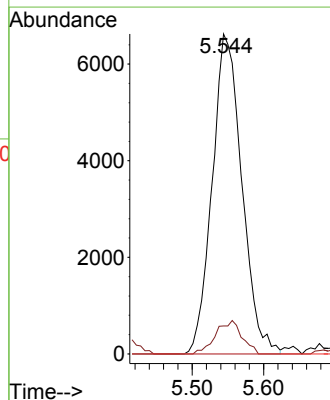
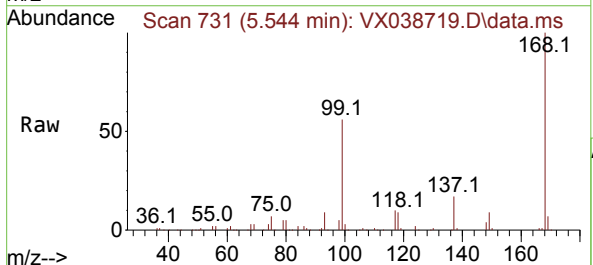
Instrument :
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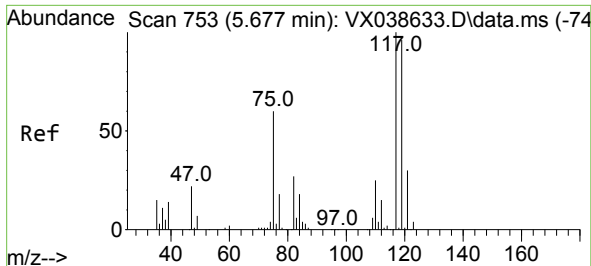
Tgt Ion:113 Resp: 157987
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 21.1 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 75 Resp: 19084
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#

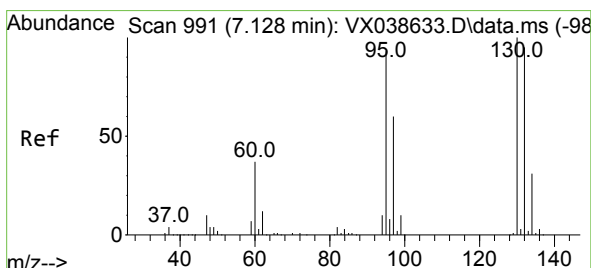
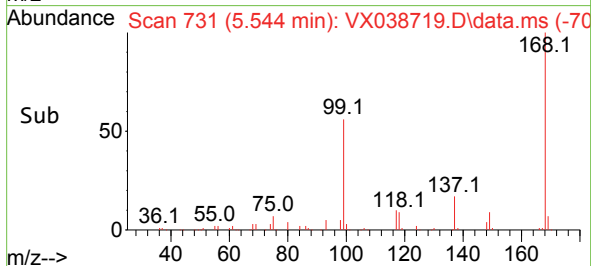
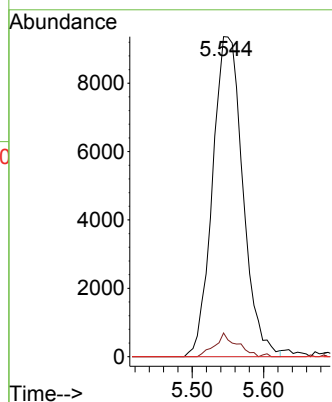
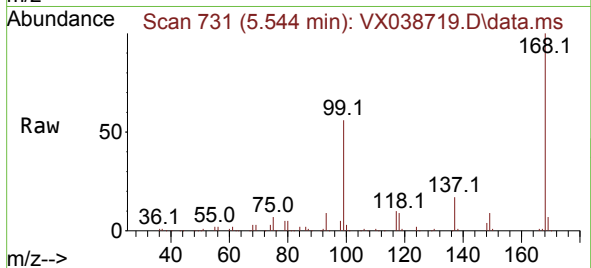




#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

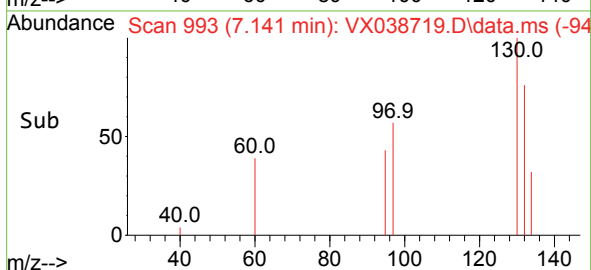
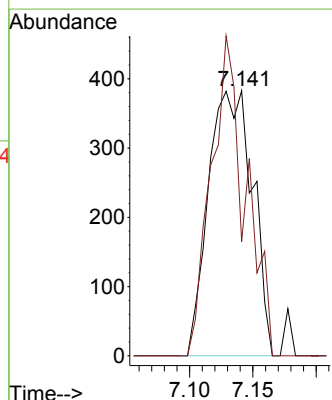
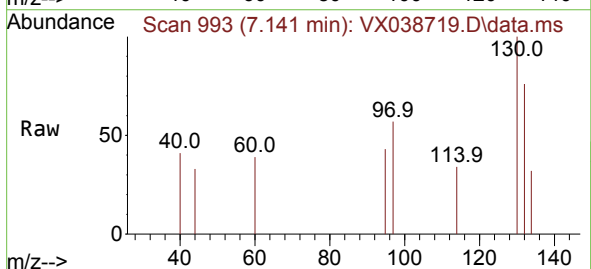
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

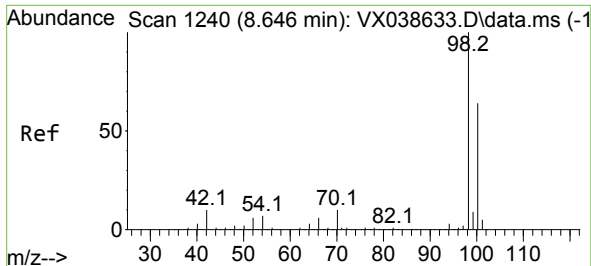
Tgt Ion:117 Resp: 27593
Ion Ratio Lower Upper
117 100
119 7.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.240 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.013 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion:130 Resp: 930
Ion Ratio Lower Upper
130 100
95 43.1 0.0 204.4

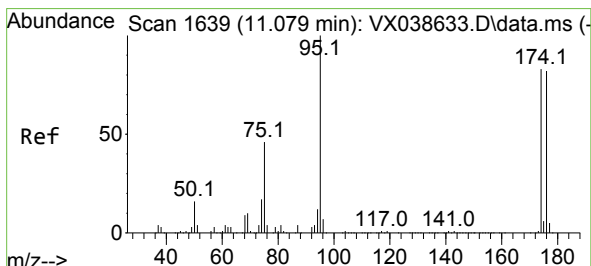
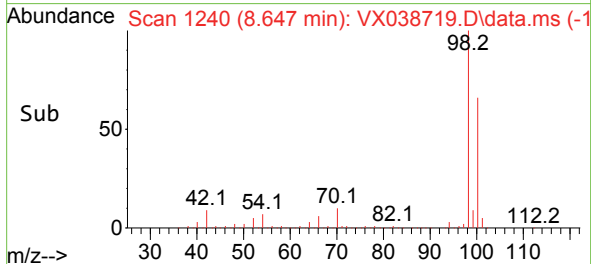
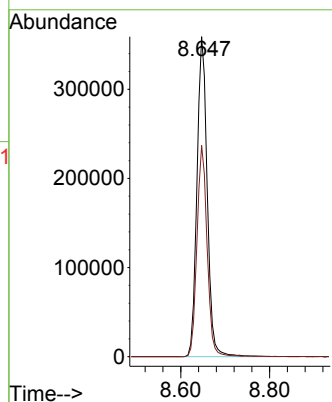
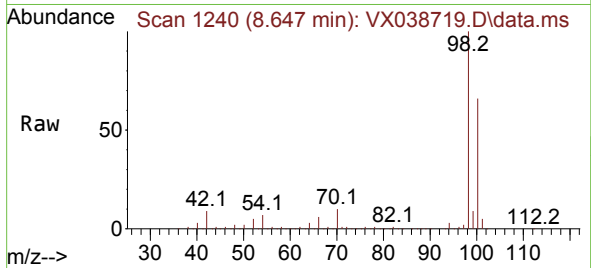




#50
Toluene-d8
Concen: 46.009 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

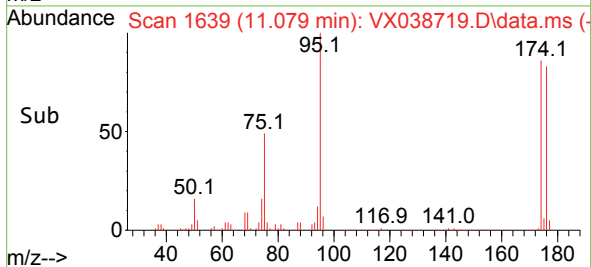
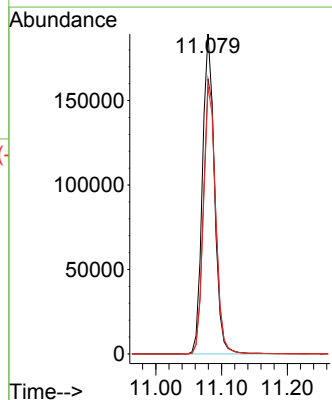
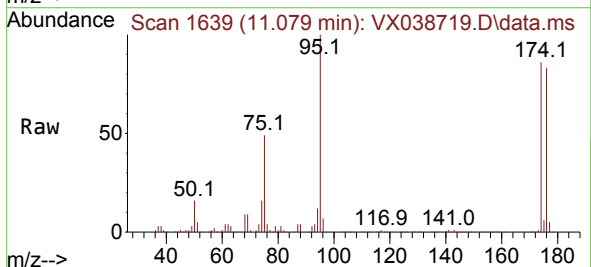
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

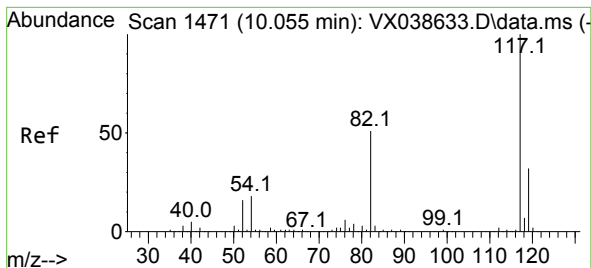
Tgt Ion: 98 Resp: 573997
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 95 Resp: 241039
Ion Ratio Lower Upper
95 100
174 87.8 0.0 135.6
176 84.7 0.0 131.0

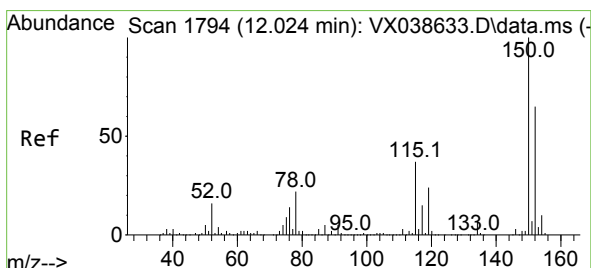
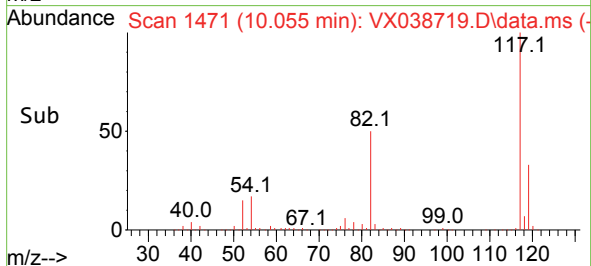
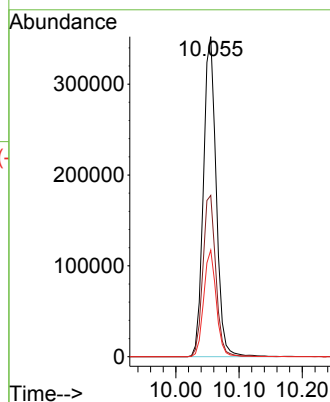
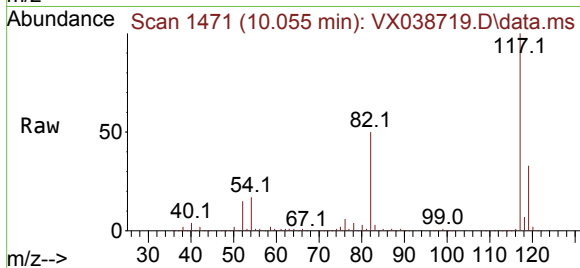




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

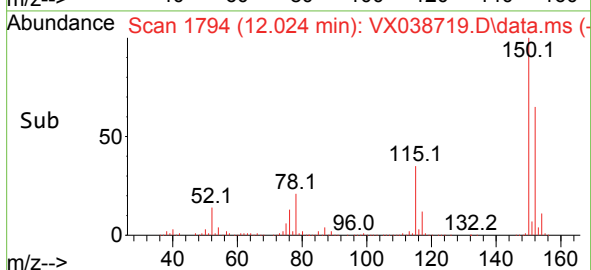
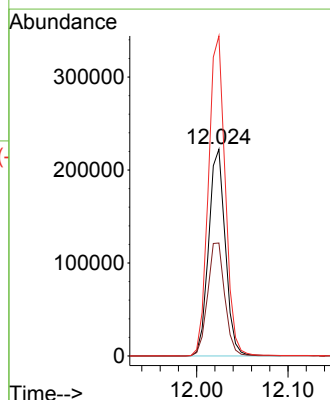
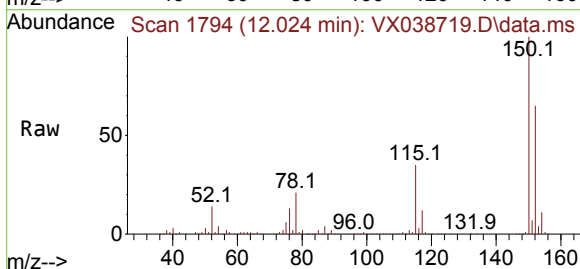
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

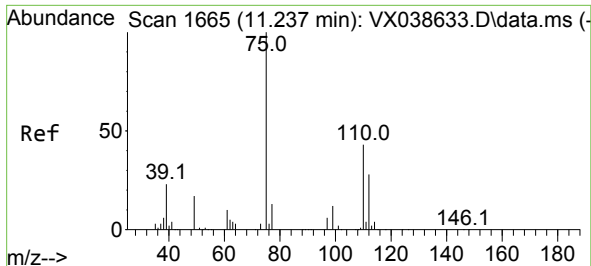
Tgt Ion:117 Resp: 495993
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 33.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion:152 Resp: 281372
Ion Ratio Lower Upper
152 100
115 56.6 43.3 129.9
150 156.5 0.0 345.0

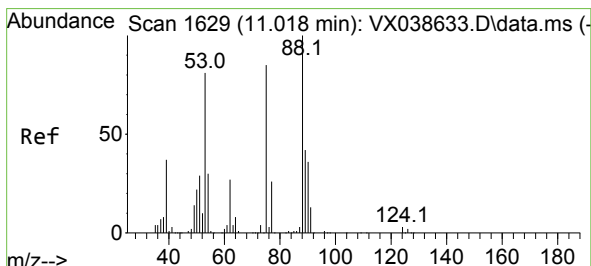
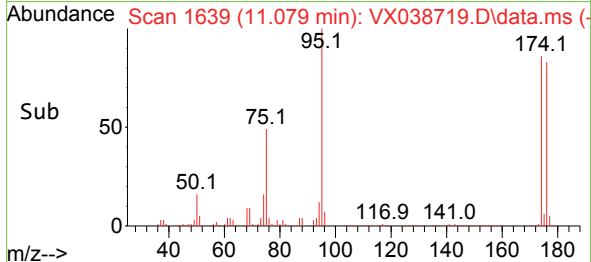
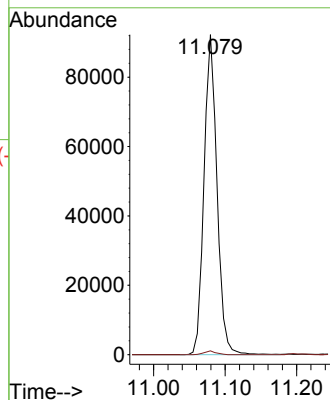
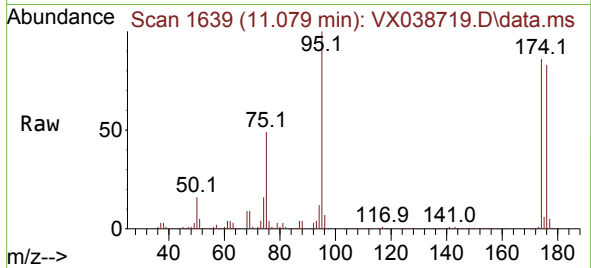




#76
1,2,3-Trichloropropane
Concen: 20.879 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.158 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

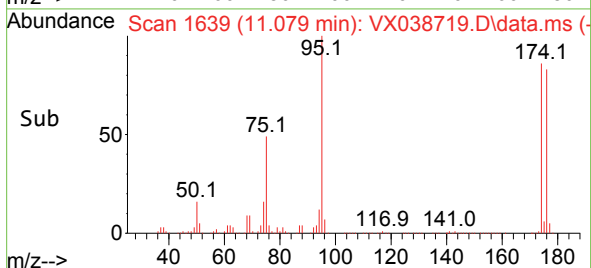
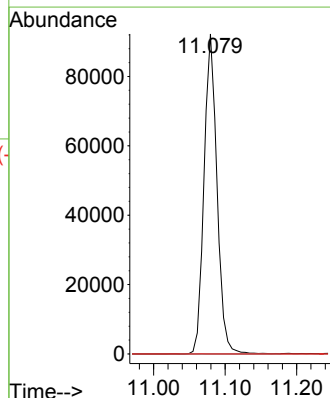
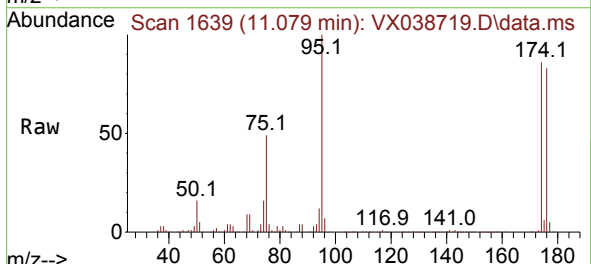
Instrument :
MSVOA_X
ClientSampleId :
VX1110MBL01

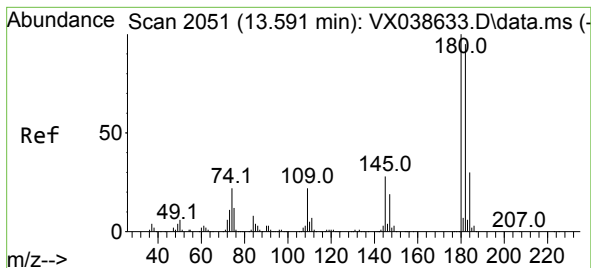
Tgt Ion: 75 Resp: 116351
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.508 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038719.D
Acq: 10 Nov 2023 11:03

Tgt Ion: 75 Resp: 116351
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.327 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX1110MBL01

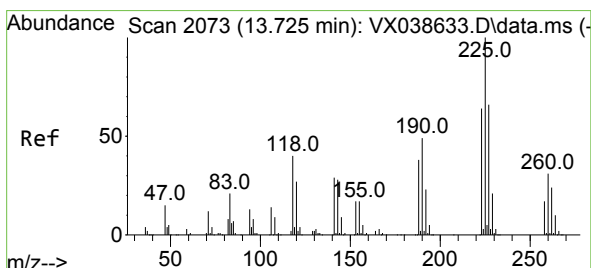
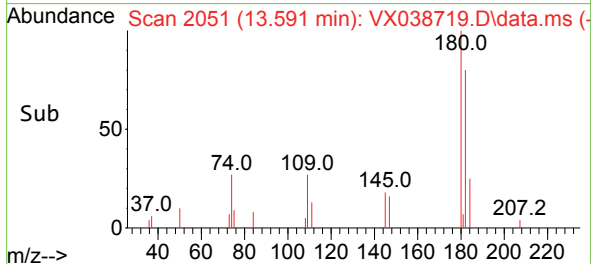
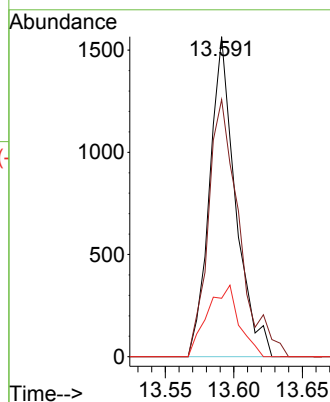
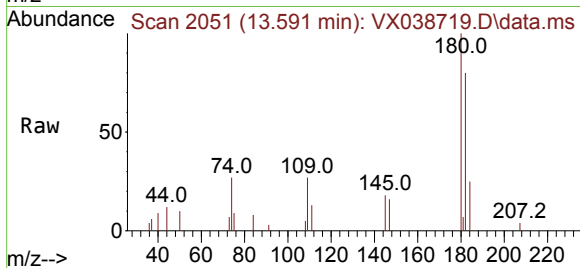
Tgt Ion:180 Resp: 2066

Ion Ratio Lower Upper

180 100

182 95.5 48.3 144.8

145 27.1 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.607 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

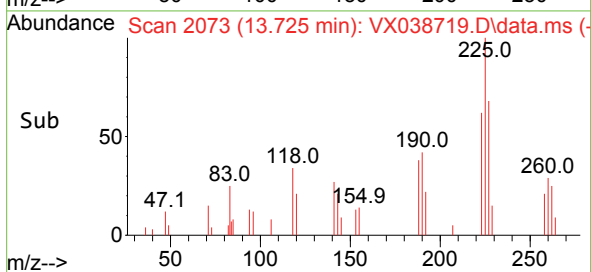
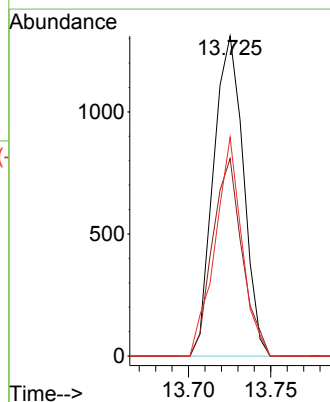
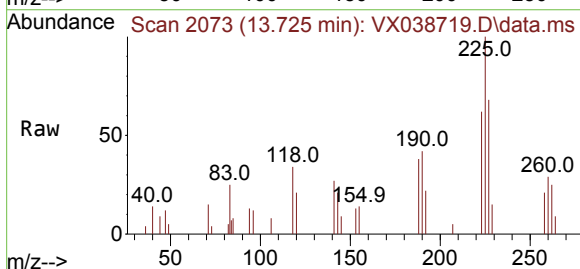
Tgt Ion:225 Resp: 1656

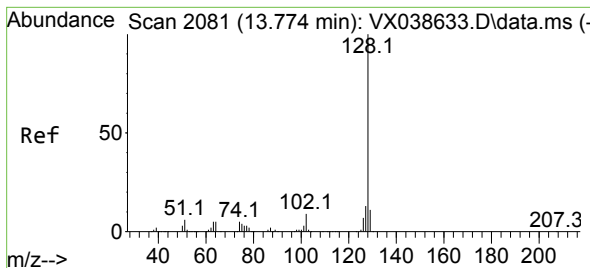
Ion Ratio Lower Upper

225 100

223 61.3 31.1 93.2

227 61.7 32.5 97.5





#95

Naphthalene

Concen: 0.297 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.007 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX1110MBL01

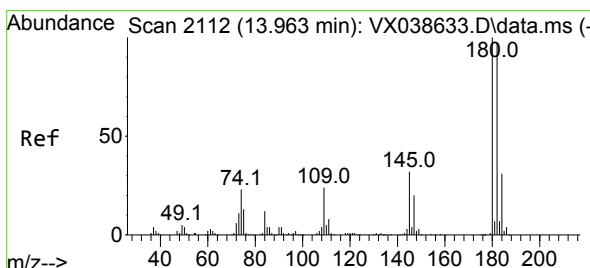
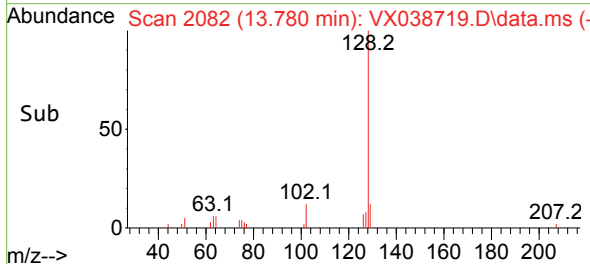
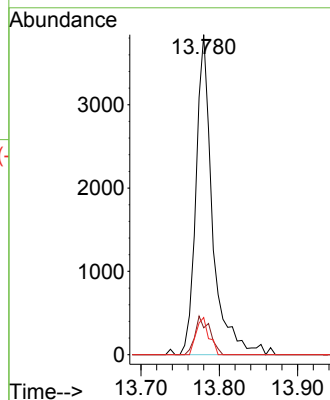
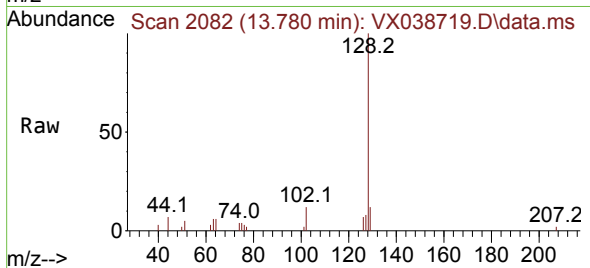
Tgt Ion:128 Resp: 5668

Ion Ratio Lower Upper

128 100

127 10.7 10.3 15.5

129 8.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.306 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX038719.D

Acq: 10 Nov 2023 11:03

Tgt Ion:180 Resp: 1909

Ion Ratio Lower Upper

180 100

182 93.7 46.9 140.6

145 33.7 17.8 53.5

