

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035430.D
 Acq On : 01 May 2023 11:09
 Operator : JC/MD
 Sample : VX0501MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501MBL01

Quant Time: May 01 23:54:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

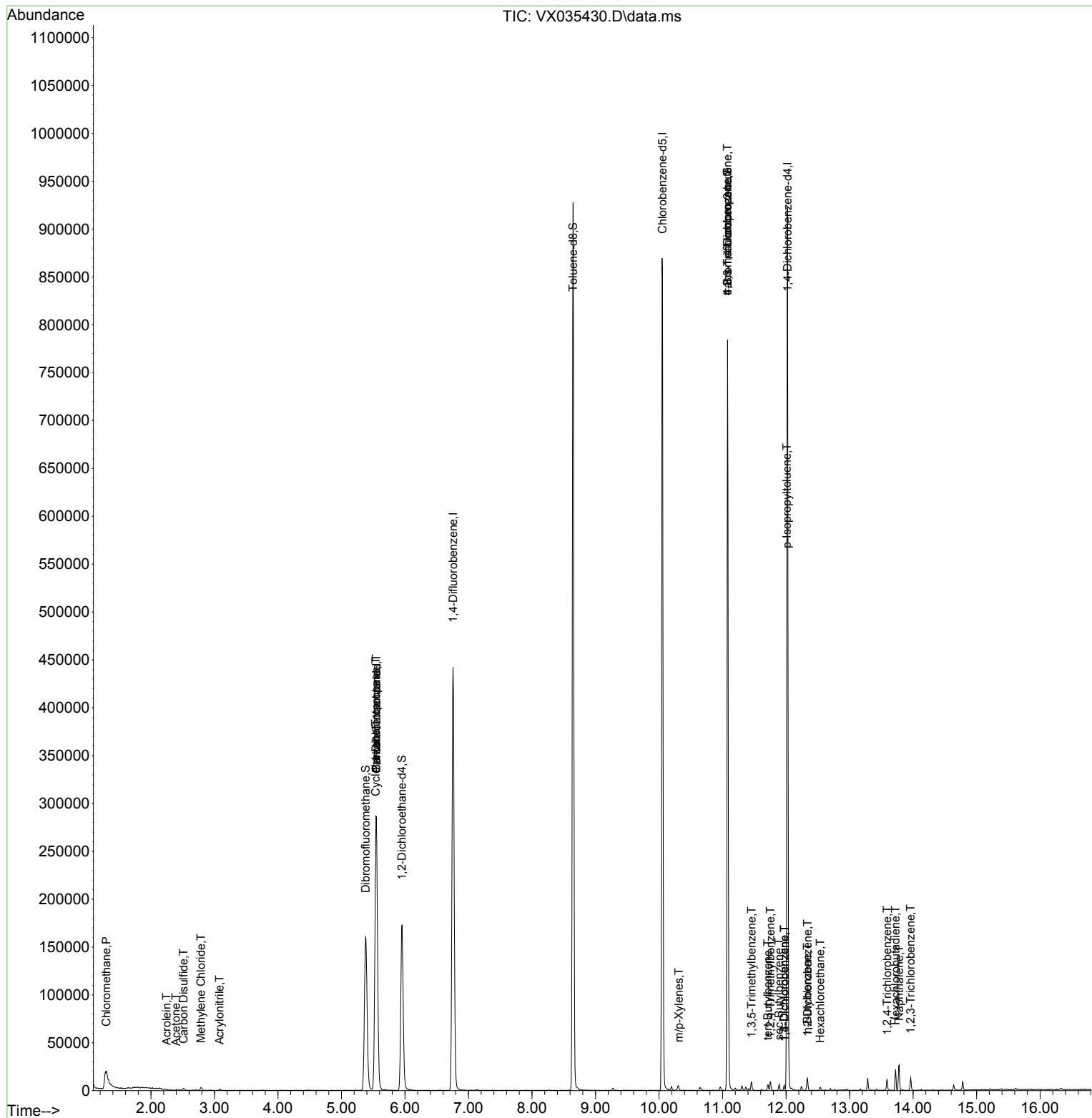
Internal Standards						
1) Pentafluorobenzene	5.550	168	288606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	468744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	208347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	167019	47.968	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.940%			
35) Dibromofluoromethane	5.379	113	144018	50.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	8.647	98	550790	50.750	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.500%			
62) 4-Bromofluorobenzene	11.079	95	211413	51.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.560%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	1687	0.607	ug/l #	70
13) Acrolein	2.246	56	444	0.712	ug/l #	65
15) Acrylonitrile	3.081	53	502	0.317	ug/l #	61
16) Acetone	2.392	43	731	0.483	ug/l	92
17) Carbon Disulfide	2.514	76	2623	0.390	ug/l #	89
20) Methylene Chloride	2.788	84	1497	0.432	ug/l #	95
31) Cyclohexane	5.538	56	5483	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	20365	4.533	ug/l #	51
38) Carbon Tetrachloride	5.550	117	28654	6.719	ug/l #	15
68) m/p-Xylenes	10.311	106	1270	0.206	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	103885	24.996	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.457	105	2807	0.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	103885	80.958	ug/l #	8
83) tert-Butylbenzene	11.713	119	2669	0.207	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	4628	0.359	ug/l	100
85) sec-Butylbenzene	11.890	105	3743	0.237	ug/l	99
86) p-Isopropyltoluene	12.012	119	3415	0.254	ug/l #	76
87) 1,3-Dichlorobenzene	11.976	146	1952	0.271	ug/l	92
88) 1,4-Dichlorobenzene	11.976	146	1952	0.259	ug/l	92
89) n-Butylbenzene	12.335	91	3801	0.335	ug/l	93
90) Hexachloroethane	12.536	117	465	0.226	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	1949	0.271	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2846	0.629	ug/l	91
94) Hexachlorobutadiene	13.725	225	3274	1.649	ug/l	98
95) Naphthalene	13.780	128	18335	1.317	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	3555	0.781	ug/l	95

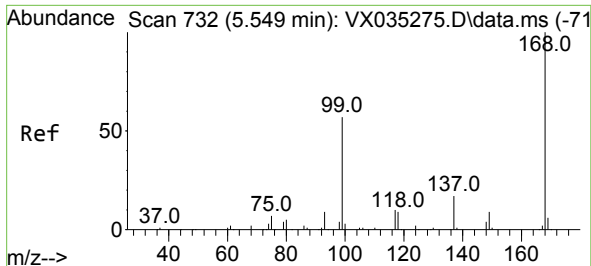
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

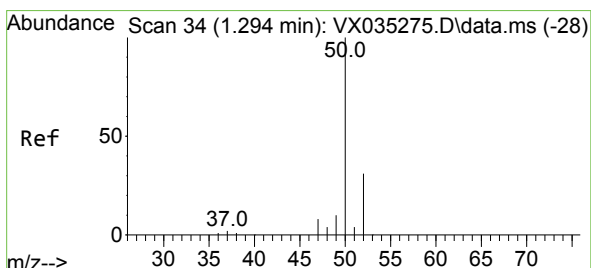
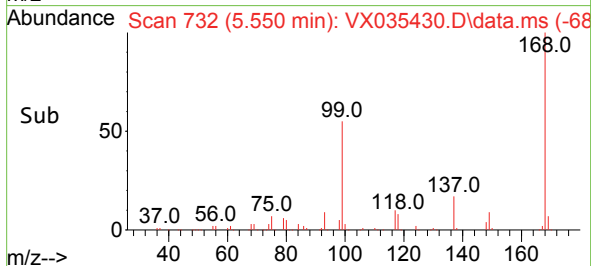
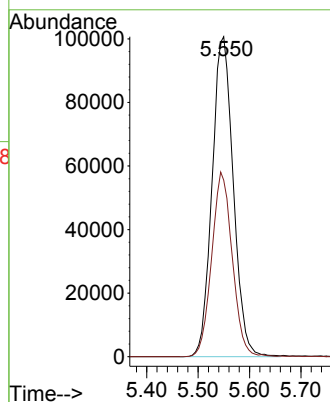
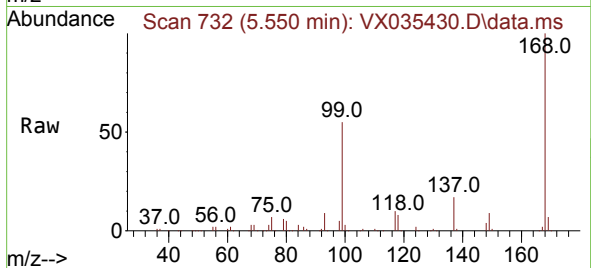




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

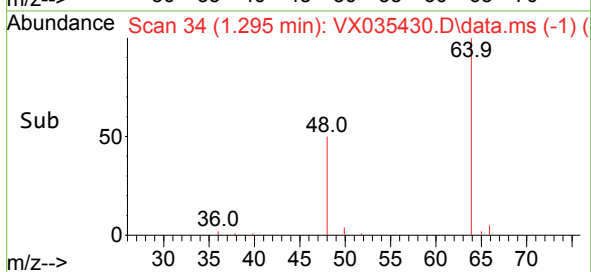
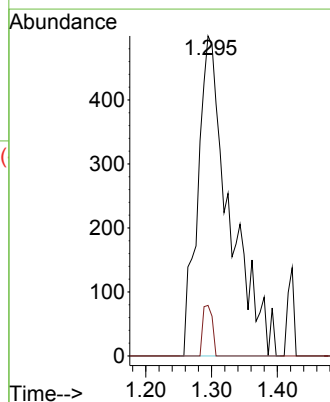
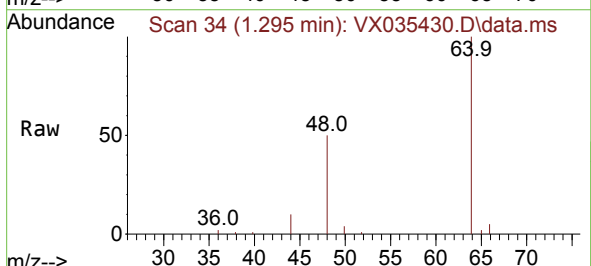
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

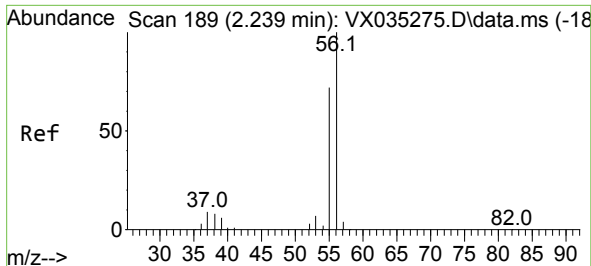
Tgt Ion:168 Resp: 288606
Ion Ratio Lower Upper
168 100
99 55.2 45.7 68.5



#3
Chloromethane
Concen: 0.607 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion: 50 Resp: 1687
Ion Ratio Lower Upper
50 100
52 15.8 25.9 38.9#





#13

Acrolein

Concen: 0.712 ug/l

RT: 2.246 min Scan# 189

Delta R.T. 0.007 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

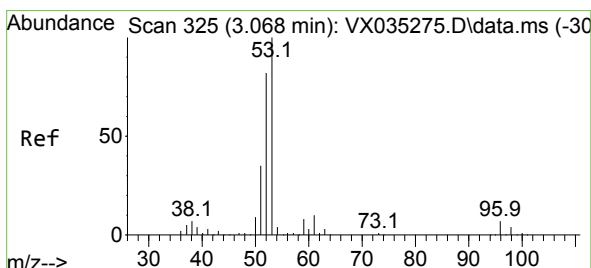
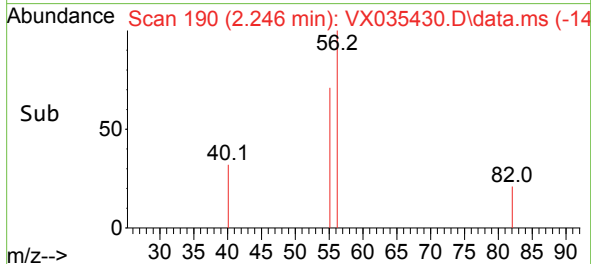
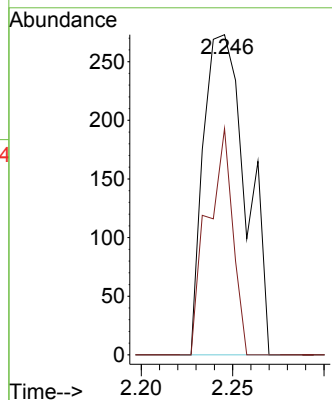
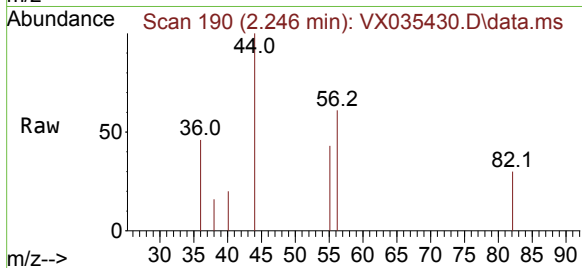
VX0501MBL01

Tgt Ion: 56 Resp: 444

Ion Ratio Lower Upper

56 100

55 41.9 56.6 85.0#



#15

Acrylonitrile

Concen: 0.317 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.013 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

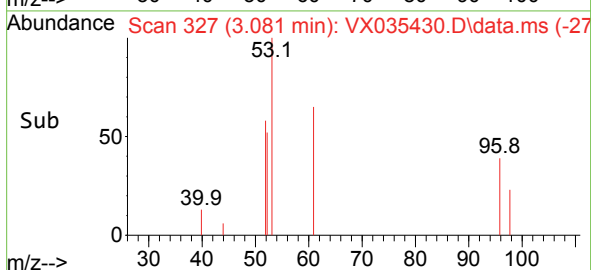
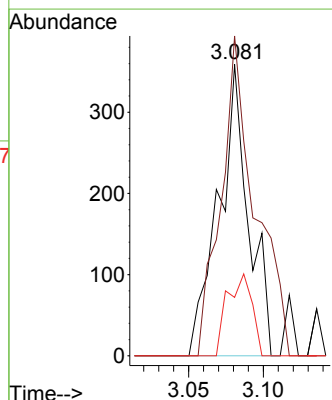
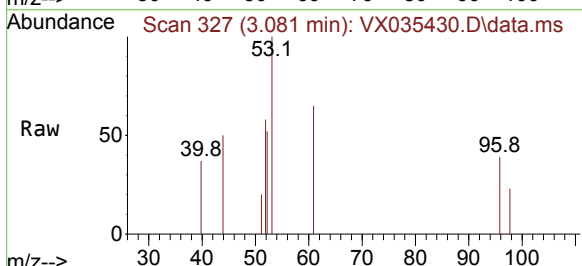
Tgt Ion: 53 Resp: 502

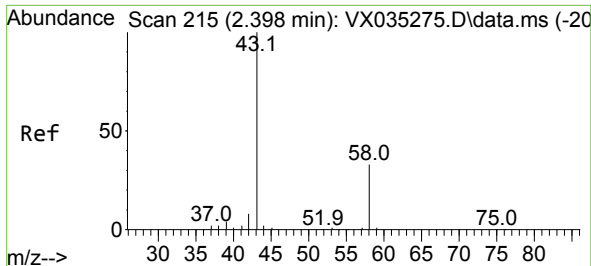
Ion Ratio Lower Upper

53 100

52 124.5 66.2 99.2#

51 23.1 28.3 42.5#





#16

Acetone

Concen: 0.483 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

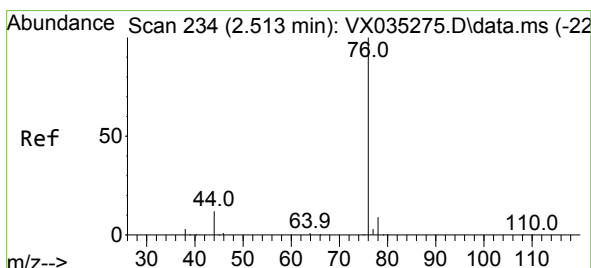
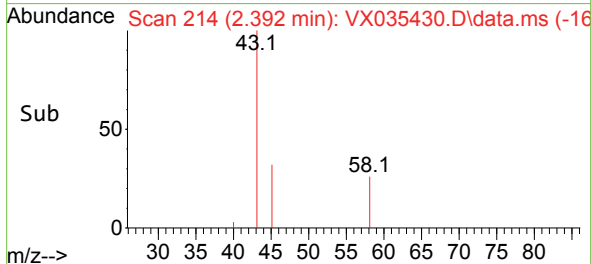
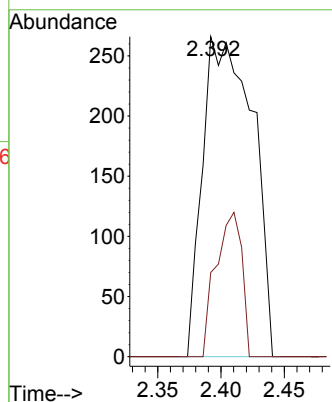
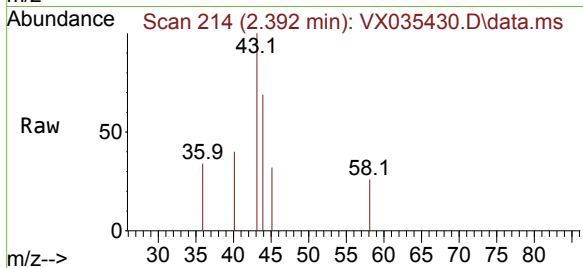
VX0501MBL01

Tgt Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

58 26.3 24.7 37.1



#17

Carbon Disulfide

Concen: 0.390 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.001 min

Lab File: VX035430.D

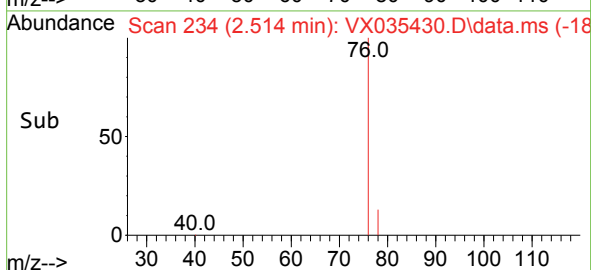
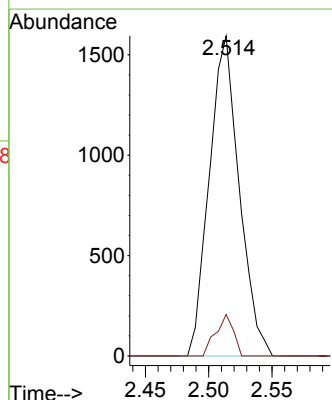
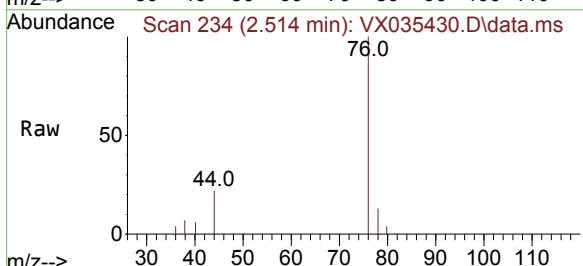
Acq: 01 May 2023 11:09

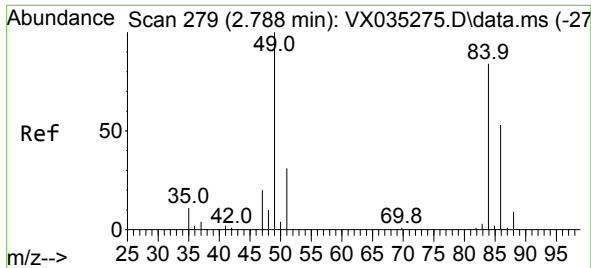
Tgt Ion: 76 Resp: 2623

Ion Ratio Lower Upper

76 100

78 12.9 7.2 10.8#

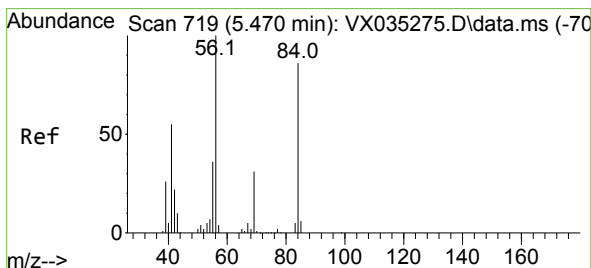
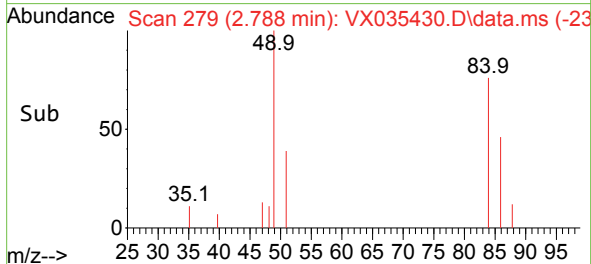
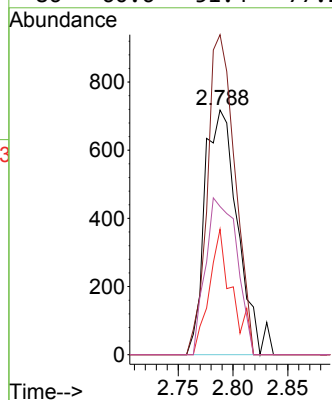
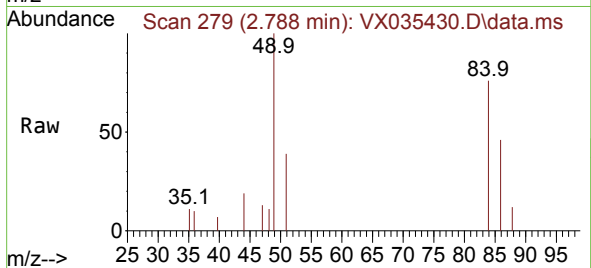




#20
Methylene Chloride
Concen: 0.432 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

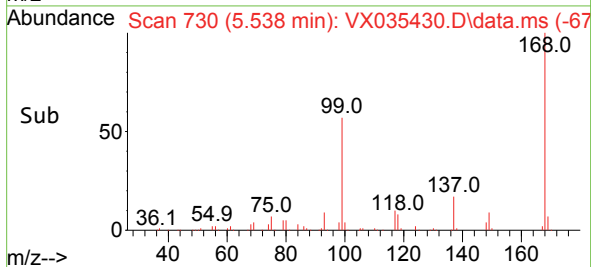
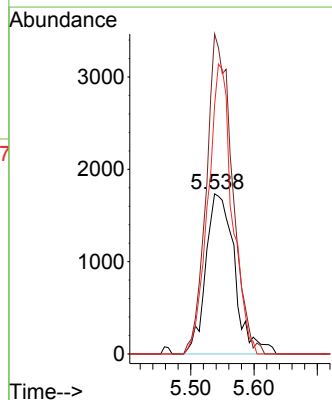
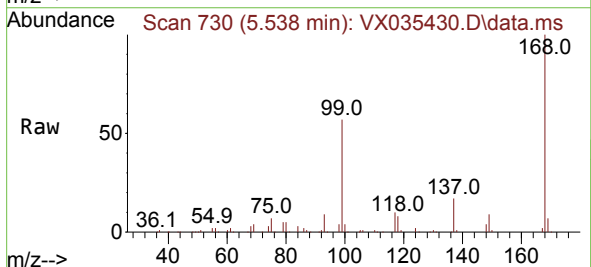
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

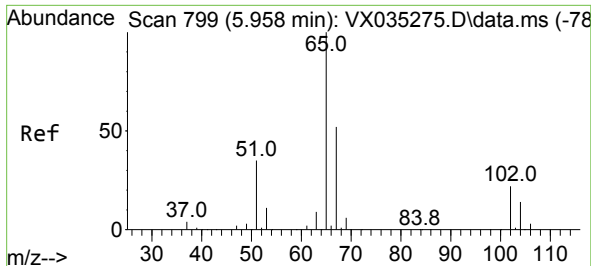
Tgt Ion:	84	Resp:	1497
Ion	Ratio	Lower	Upper
84	100		
49	130.8	103.8	155.8
51	51.3	31.8	47.8#
86	60.6	51.4	77.2



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.068 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion:	56	Resp:	5483
Ion	Ratio	Lower	Upper
56	100		
69	199.9	23.7	35.5#
84	155.5	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.968 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

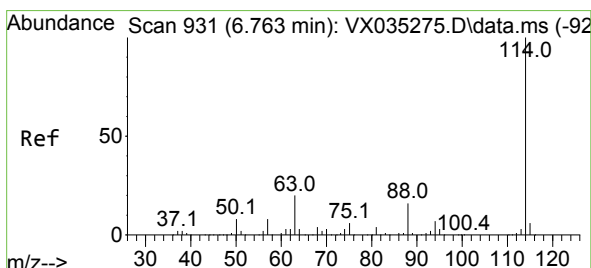
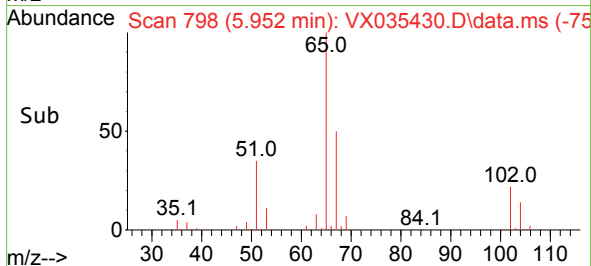
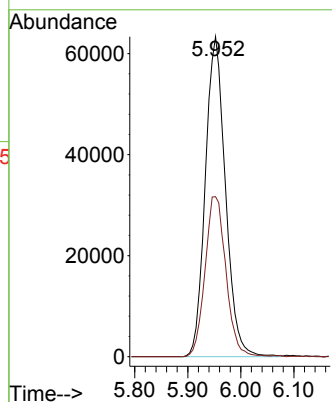
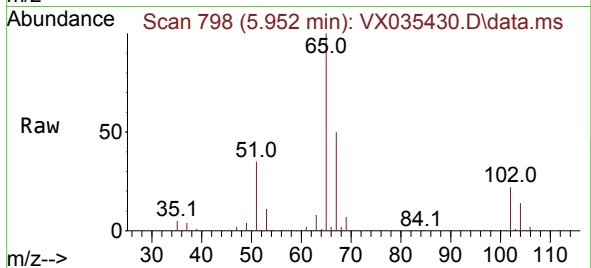
VX0501MBL01

Tgt Ion: 65 Resp: 167019

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

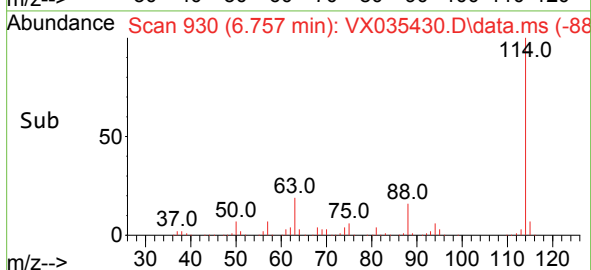
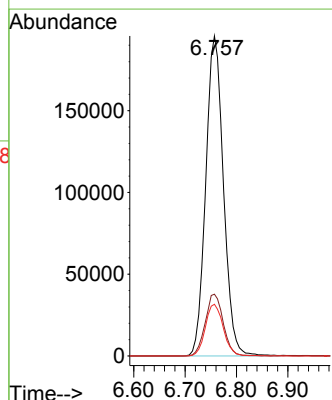
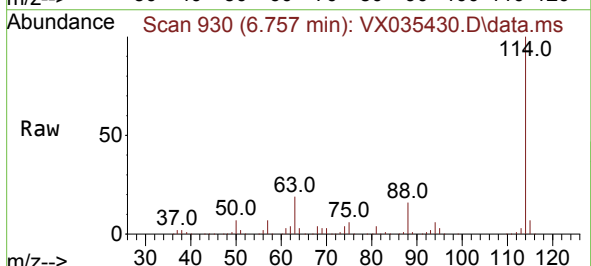
Tgt Ion: 114 Resp: 468744

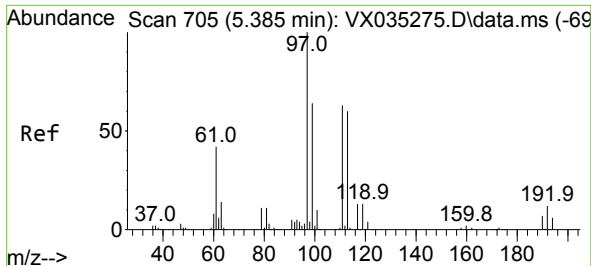
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.2

88 16.2 0.0 33.2

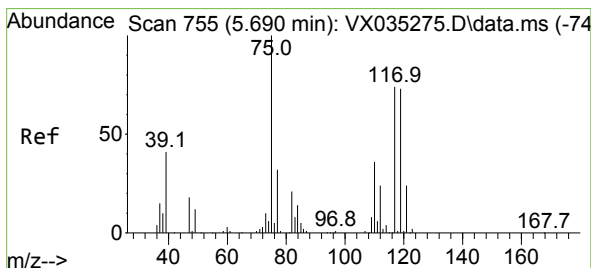
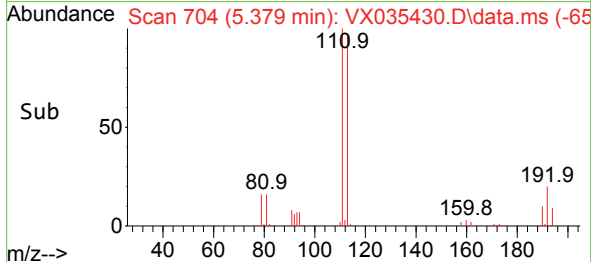
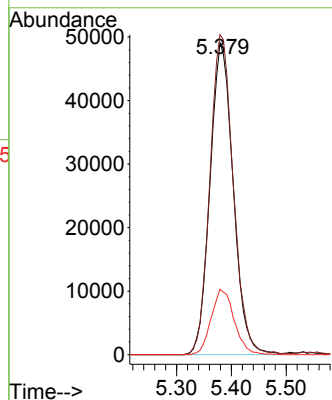
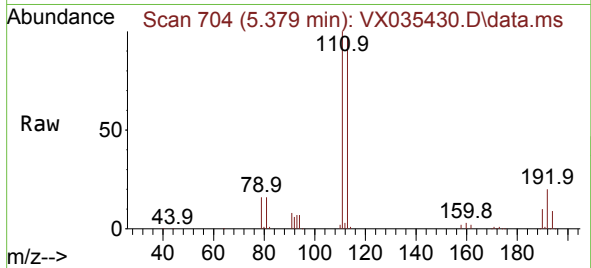




#35
Dibromofluoromethane
Concen: 50.058 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

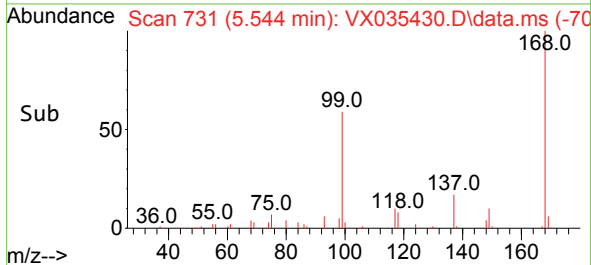
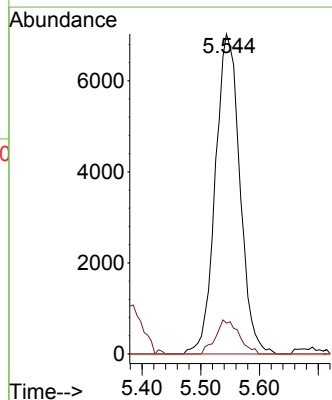
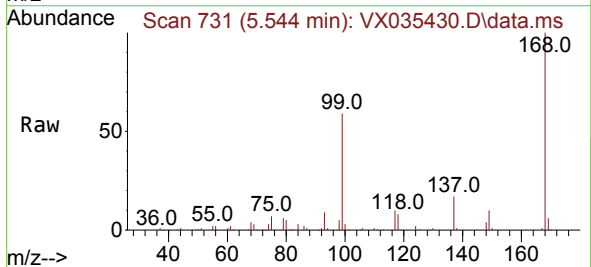
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

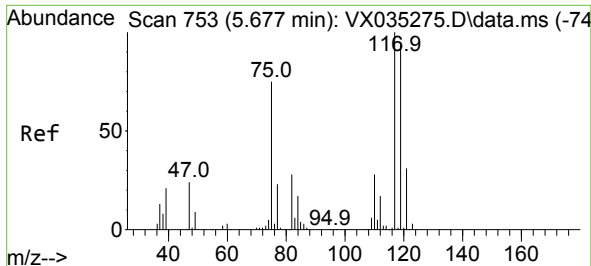
Tgt Ion:113 Resp: 144018
Ion Ratio Lower Upper
113 100
111 103.6 83.7 125.5
192 20.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

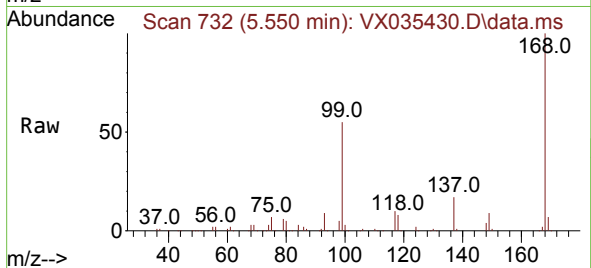
Tgt Ion: 75 Resp: 20365
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.3 36.5#



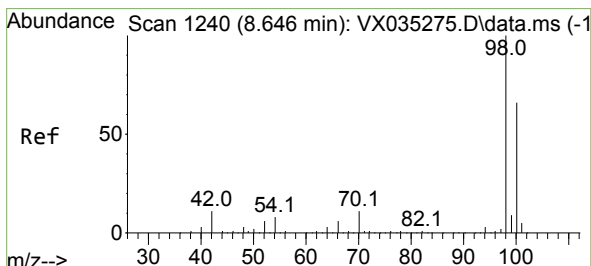
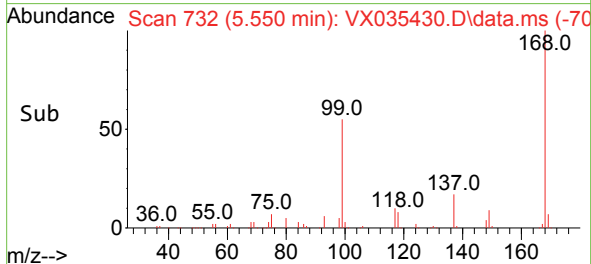
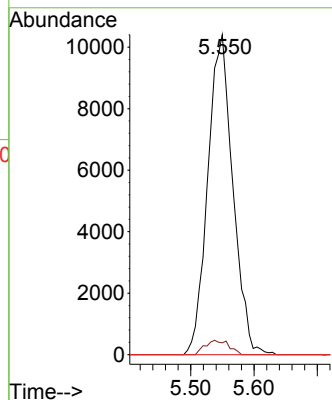


#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

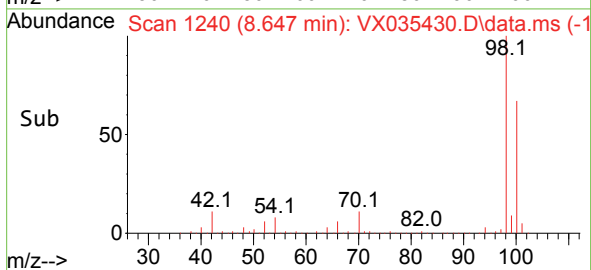
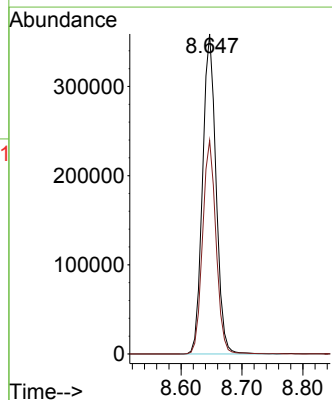
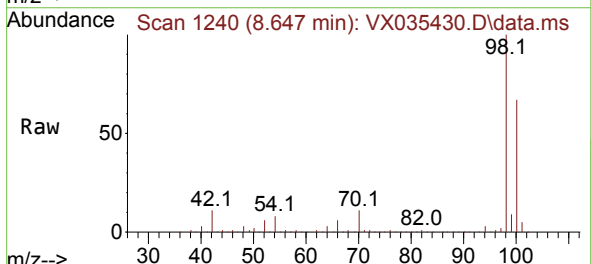


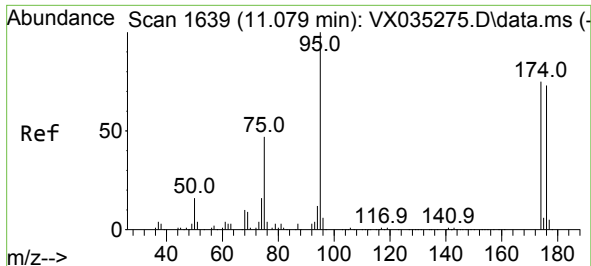
Tgt Ion:117 Resp: 28654
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 50.750 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion: 98 Resp: 550790
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7

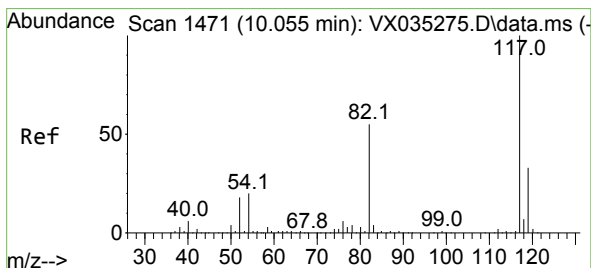
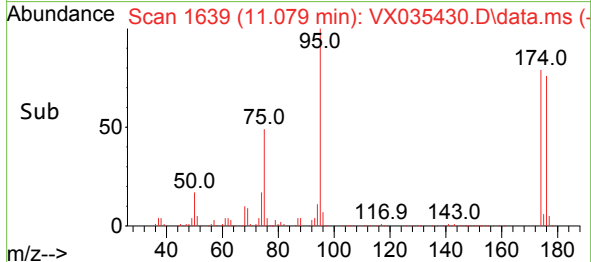
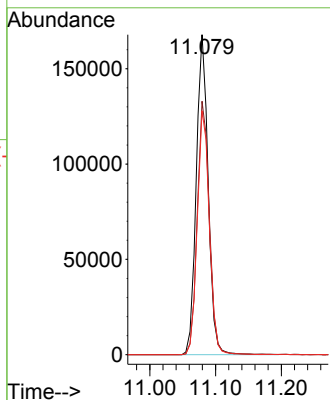
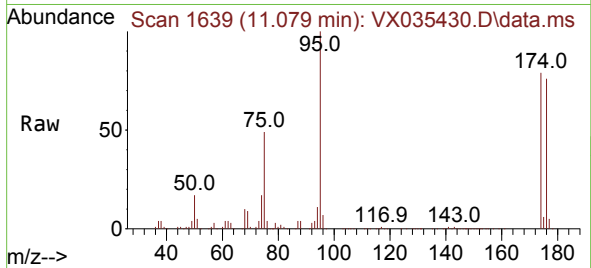




#62
4-Bromofluorobenzene
Concen: 51.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

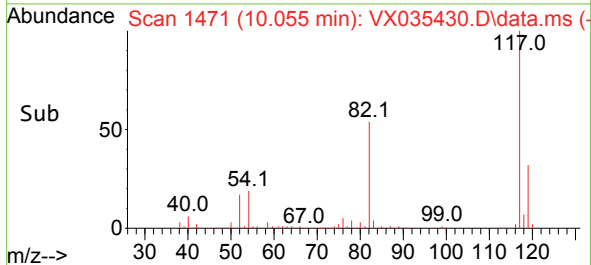
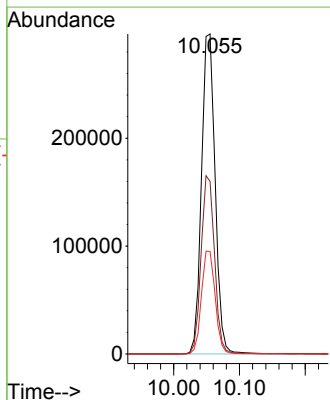
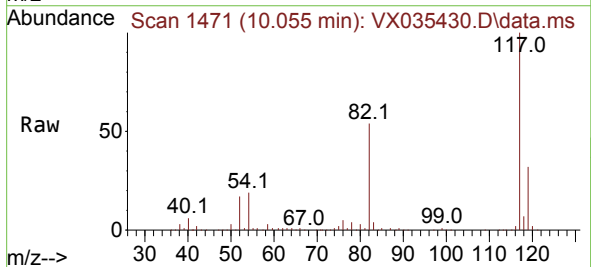
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

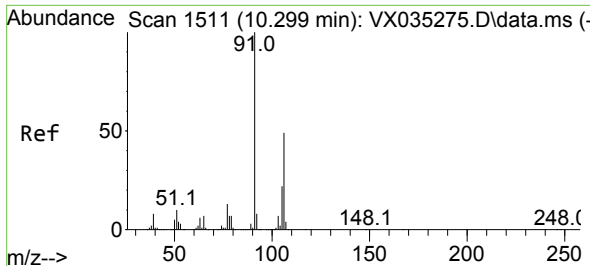
Tgt Ion: 95 Resp: 211413
Ion Ratio Lower Upper
95 100
174 80.5 0.0 147.4
176 77.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion: 117 Resp: 428953
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.1 26.0 39.0

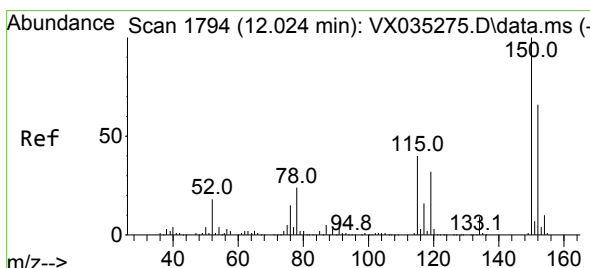
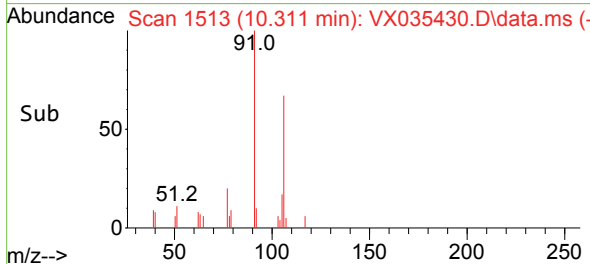
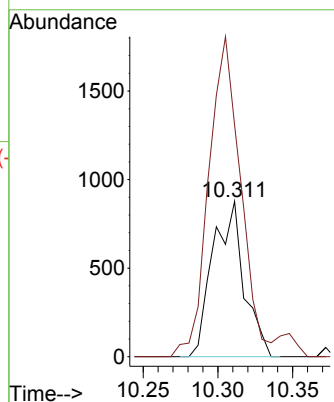
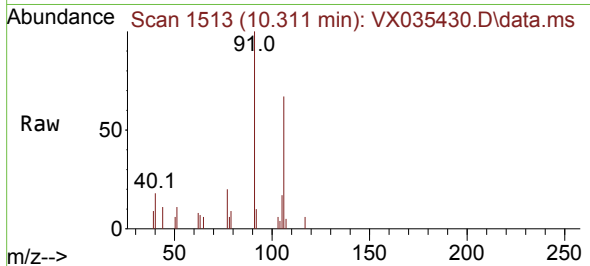




#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 10.311 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

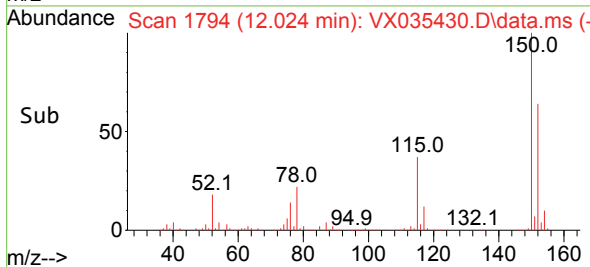
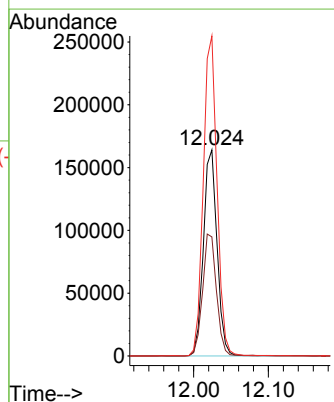
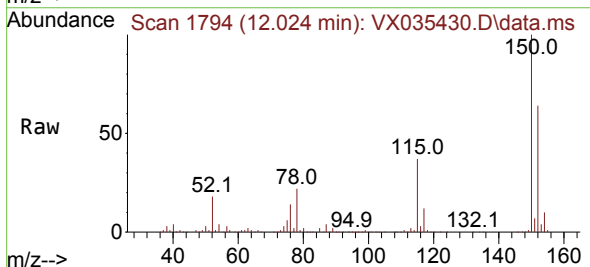
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

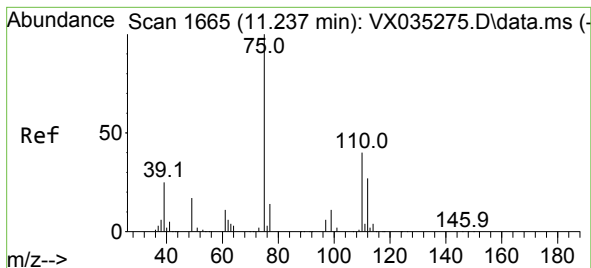
Tgt Ion:106 Resp: 1270
Ion Ratio Lower Upper
106 100
91 210.7 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion:152 Resp: 208347
Ion Ratio Lower Upper
152 100
115 60.1 45.0 135.0
150 156.2 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 24.996 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

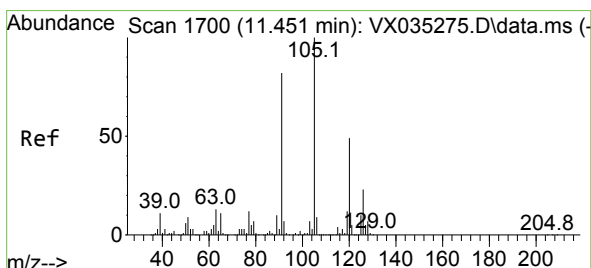
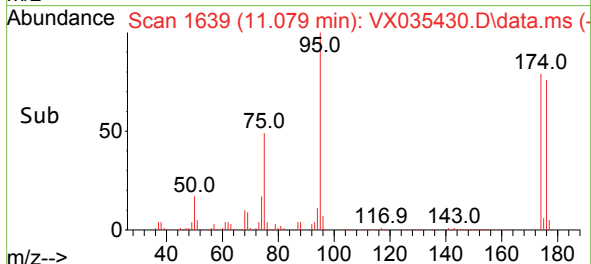
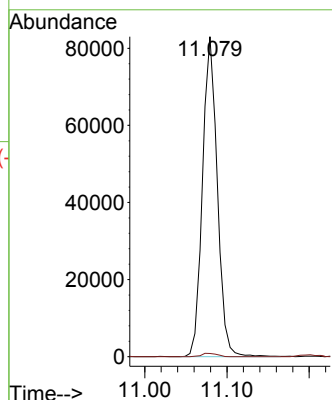
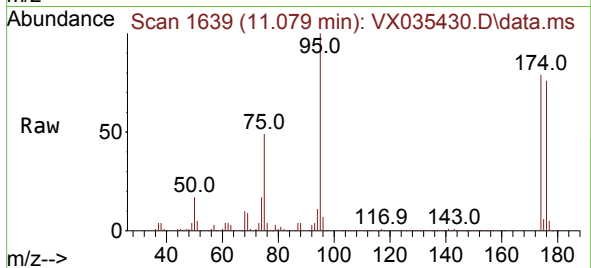
VX0501MBL01

Tgt Ion: 75 Resp: 103885

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX035430.D

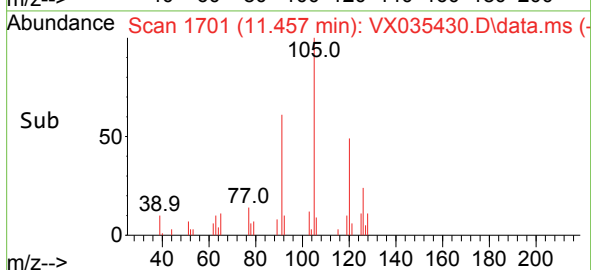
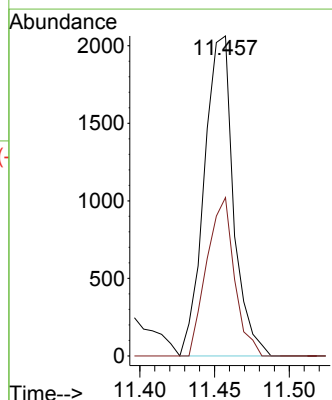
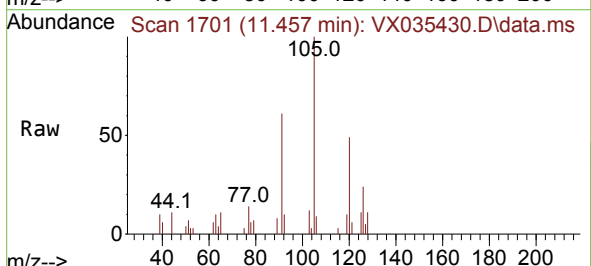
Acq: 01 May 2023 11:09

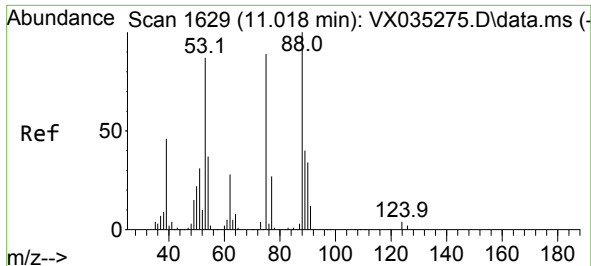
Tgt Ion: 105 Resp: 2807

Ion Ratio Lower Upper

105 100

120 46.7 23.7 71.1

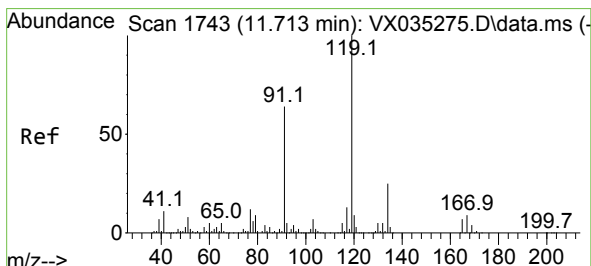
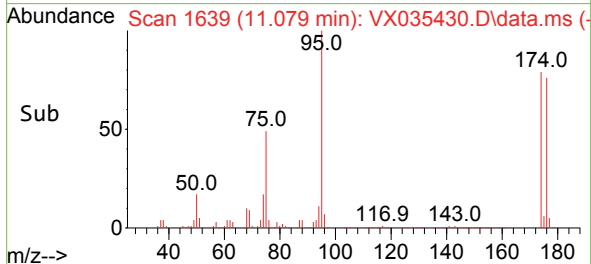
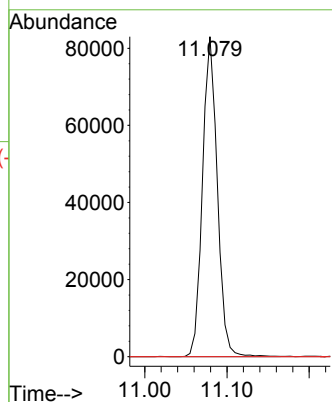
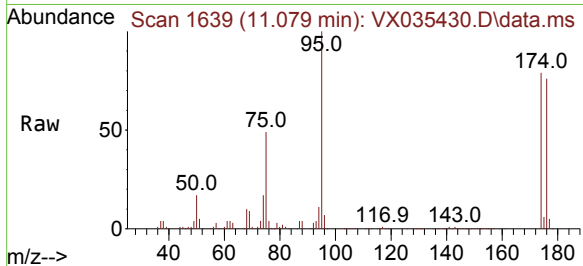




#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.958 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX035430.D
 Acq: 01 May 2023 11:09

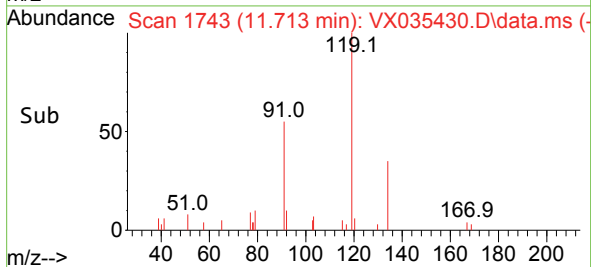
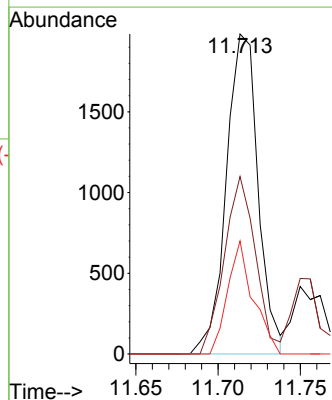
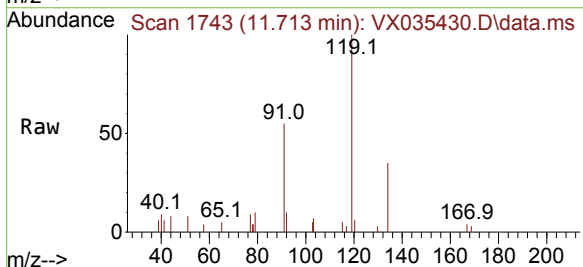
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501MBL01

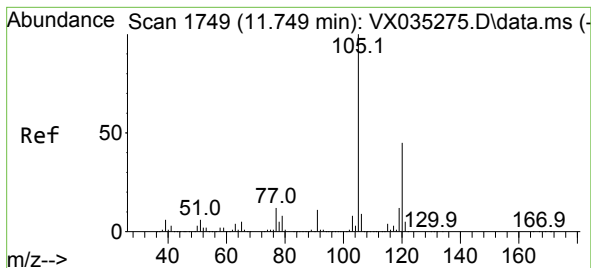
Tgt Ion: 75 Resp: 103885
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.207 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX035430.D
 Acq: 01 May 2023 11:09

Tgt Ion: 119 Resp: 2669
 Ion Ratio Lower Upper
 119 100
 91 54.8 30.6 92.0
 134 28.4 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 0.359 ug/l

RT: 11.756 min Scan# 11750

Delta R.T. 0.007 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

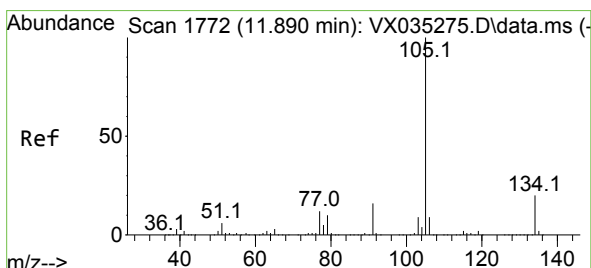
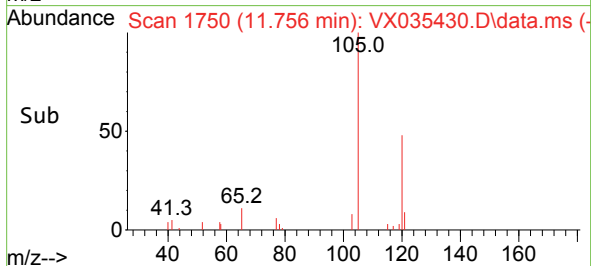
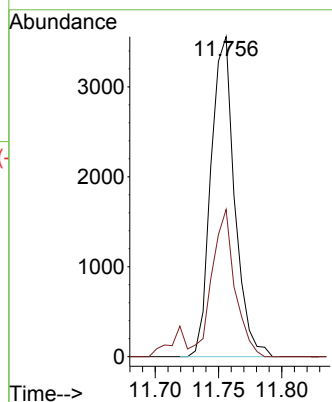
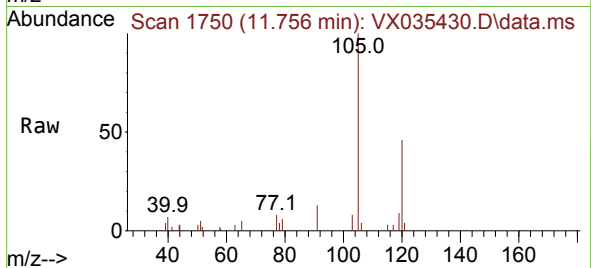
VX0501MBL01

Tgt Ion:105 Resp: 4628

Ion Ratio Lower Upper

105 100

120 44.6 22.4 67.0



#85

sec-Butylbenzene

Concen: 0.237 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX035430.D

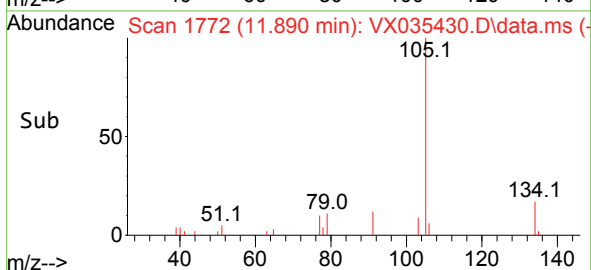
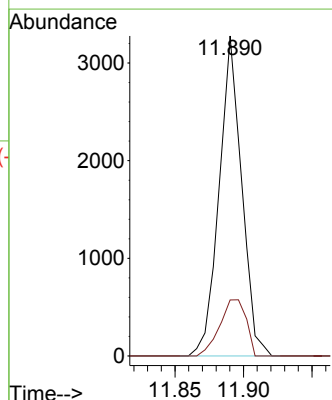
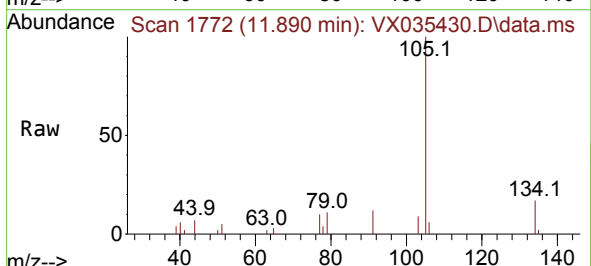
Acq: 01 May 2023 11:09

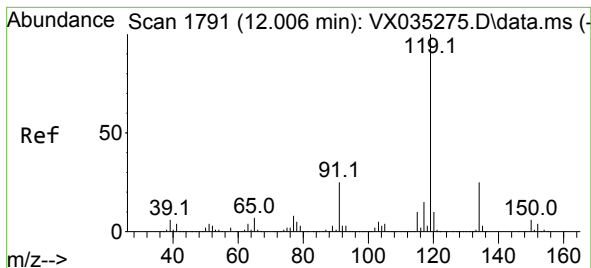
Tgt Ion:105 Resp: 3743

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4





#86

p-Isopropyltoluene

Concen: 0.254 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0501MBL01

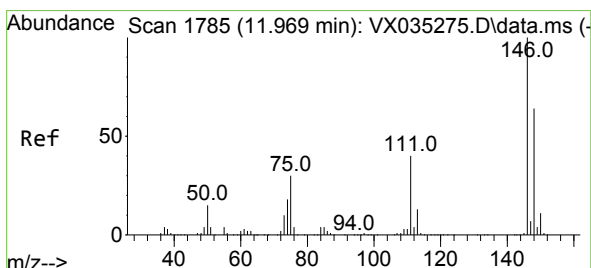
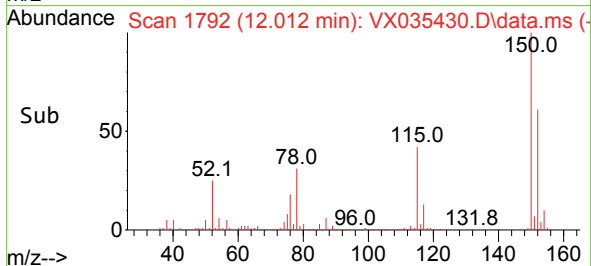
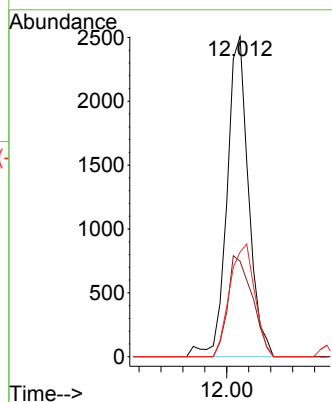
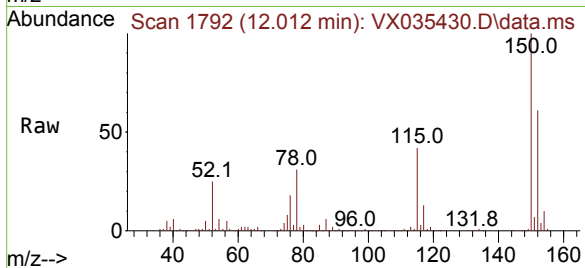
Tgt Ion:119 Resp: 3415

Ion Ratio Lower Upper

119 100

134 36.0 13.2 39.5

91 40.8 12.9 38.7#



#87

1,3-Dichlorobenzene

Concen: 0.271 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.007 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

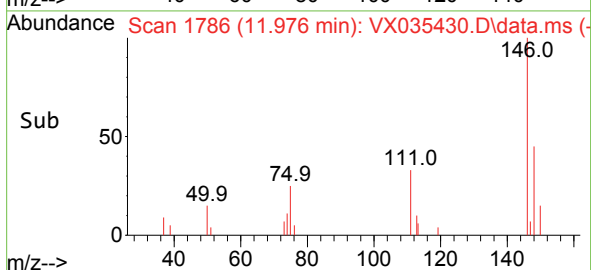
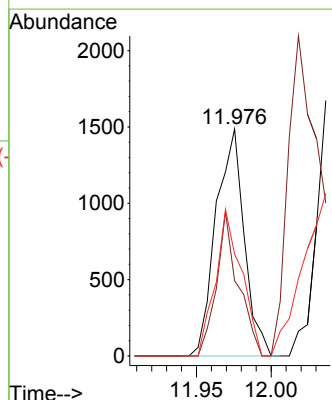
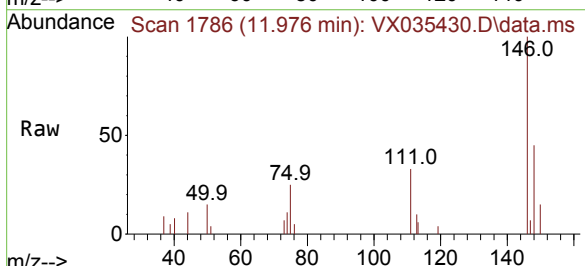
Tgt Ion:146 Resp: 1952

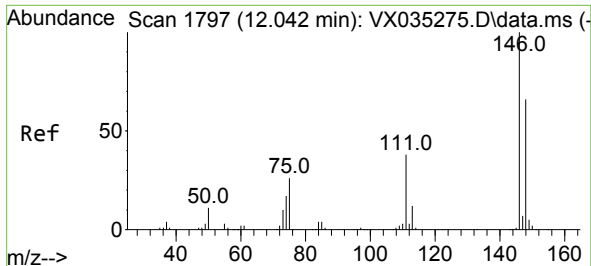
Ion Ratio Lower Upper

146 100

111 49.1 20.9 62.8

148 59.3 31.6 95.0

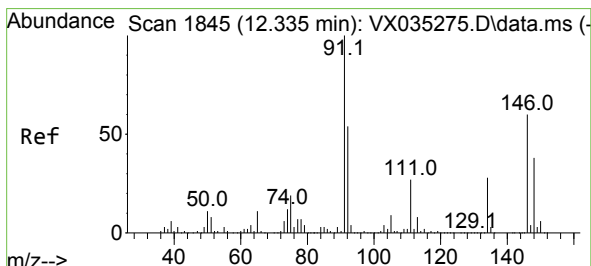
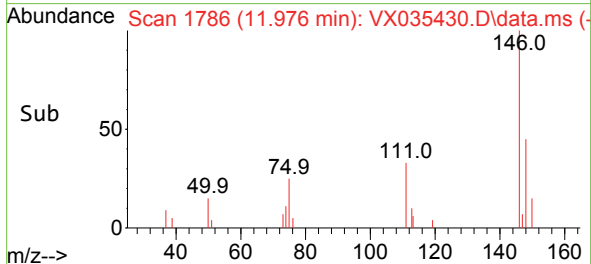
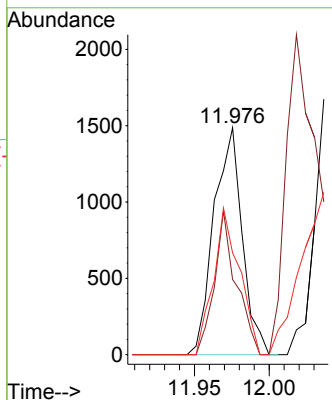
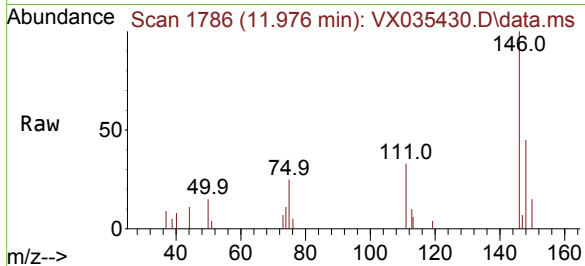




#88
1,4-Dichlorobenzene
Concen: 0.259 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.066 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

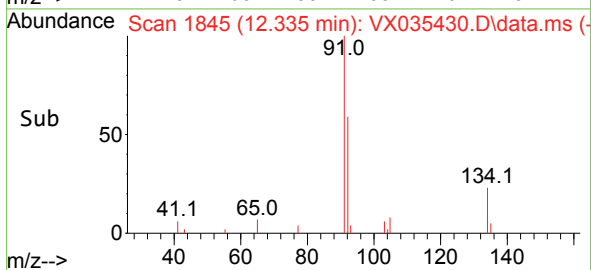
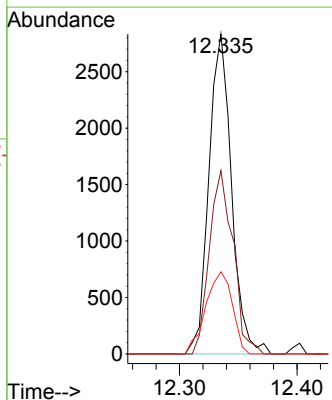
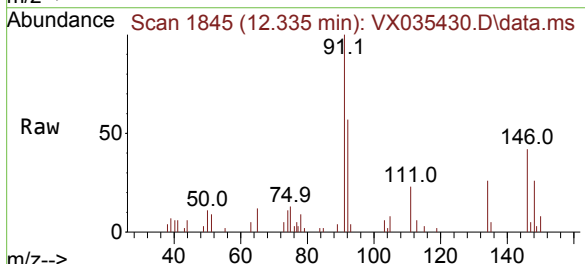
Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

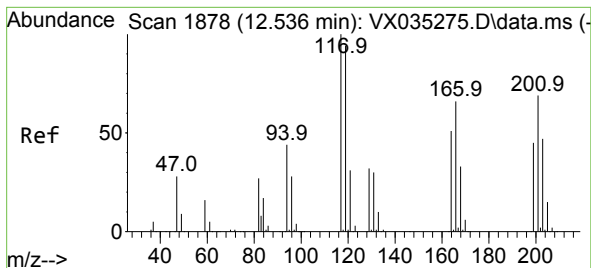
Tgt Ion:146 Resp: 1952
Ion Ratio Lower Upper
146 100
111 49.1 20.6 61.9
148 59.3 31.8 95.4



#89
n-Butylbenzene
Concen: 0.335 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion: 91 Resp: 3801
Ion Ratio Lower Upper
91 100
92 60.3 27.7 83.0
134 30.1 13.0 38.9





#90

Hexachloroethane

Concen: 0.226 ug/l

RT: 12.536 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

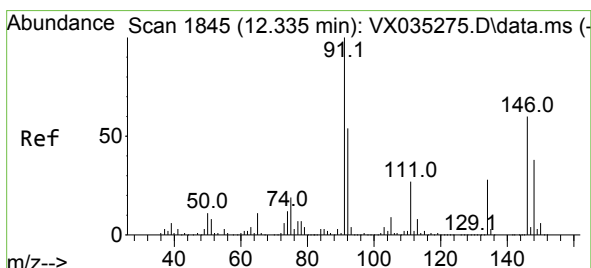
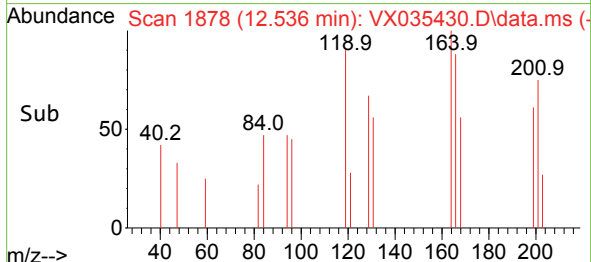
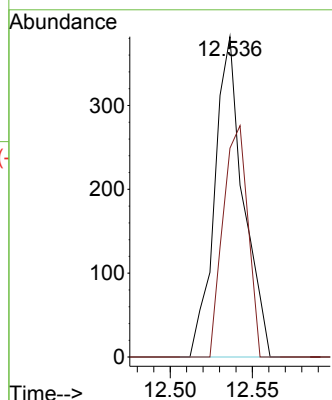
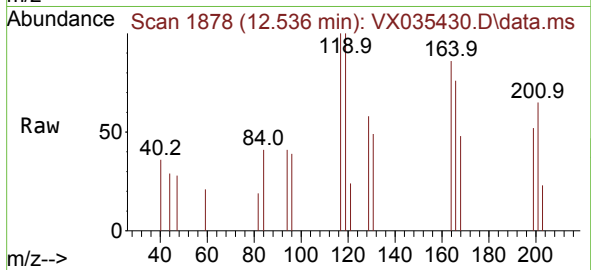
VX0501MBL01

Tgt Ion:117 Resp: 465

Ion Ratio Lower Upper

117 100

201 62.2 34.4 103.1



#91

1,2-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

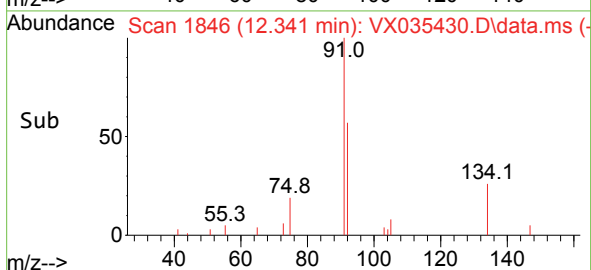
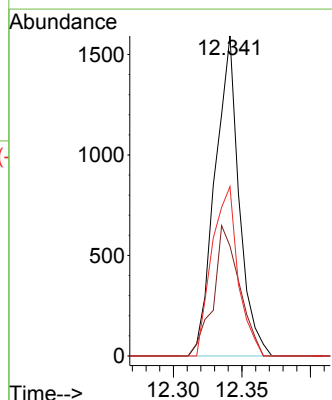
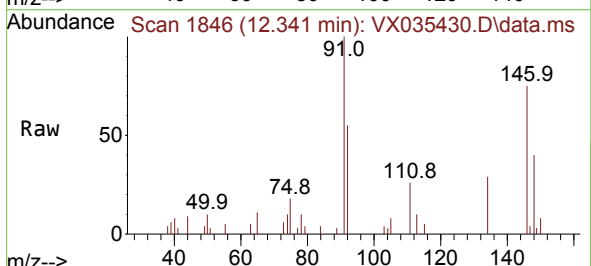
Tgt Ion:146 Resp: 1949

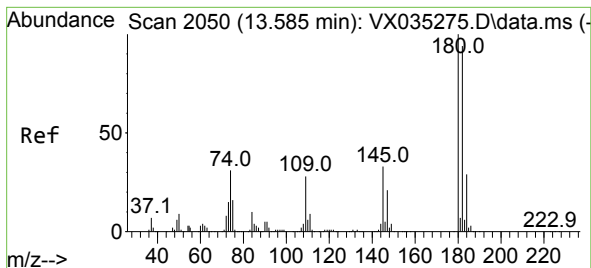
Ion Ratio Lower Upper

146 100

111 43.9 22.0 66.0

148 57.5 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 0.629 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0501MBL01

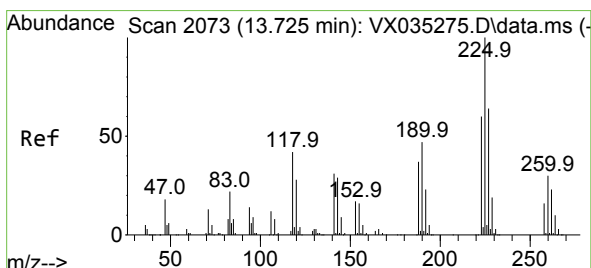
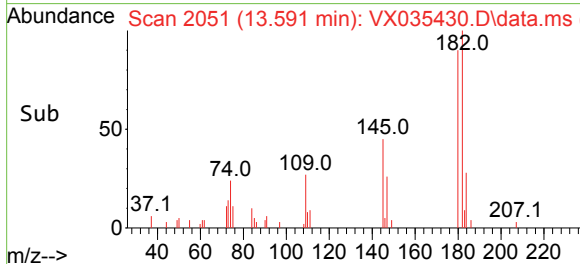
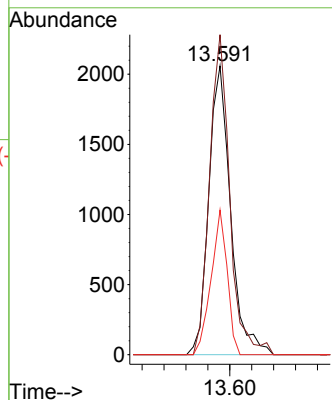
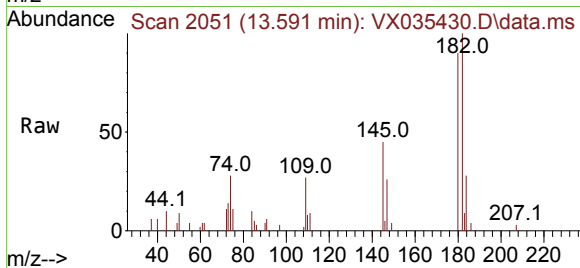
Tgt Ion:180 Resp: 2846

Ion Ratio Lower Upper

180 100

182 102.4 47.0 141.0

145 37.0 15.9 47.7



#94

Hexachlorobutadiene

Concen: 1.649 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035430.D

Acq: 01 May 2023 11:09

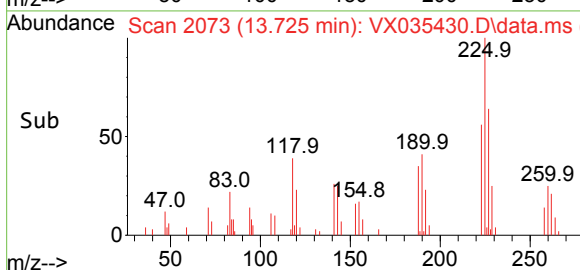
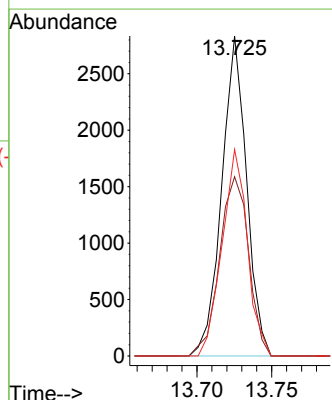
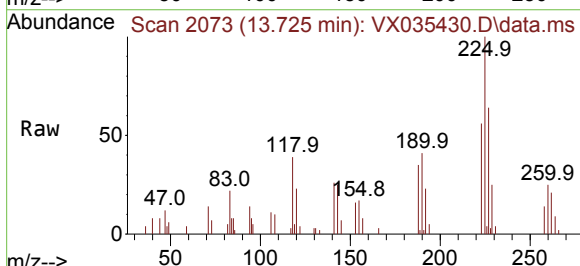
Tgt Ion:225 Resp: 3274

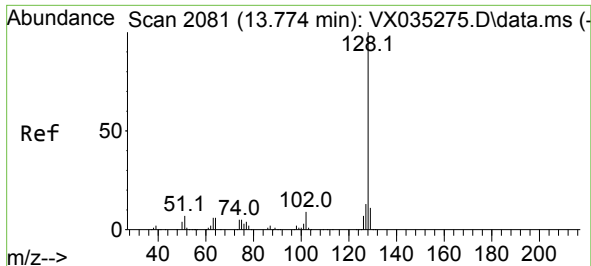
Ion Ratio Lower Upper

225 100

223 65.5 32.1 96.5

227 65.7 31.8 95.4

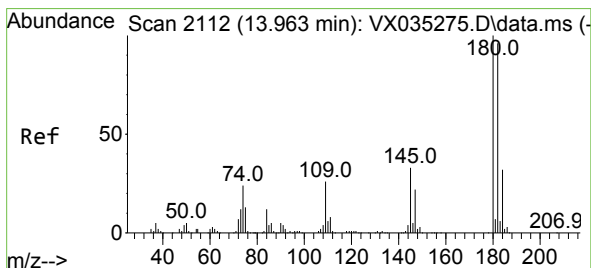
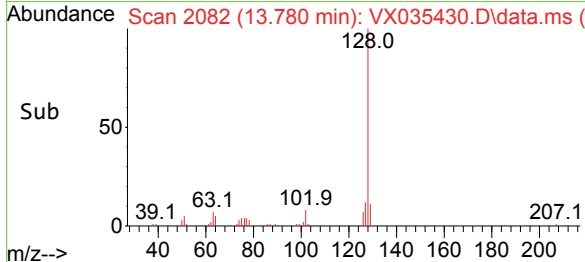
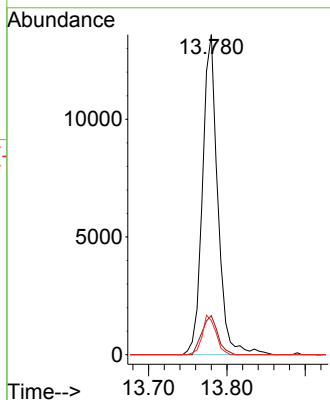
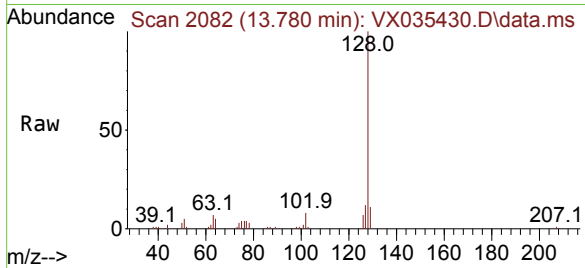




#95
Naphthalene
Concen: 1.317 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0501MBL01

Tgt Ion:128 Resp: 18335
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.781 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX035430.D
Acq: 01 May 2023 11:09

Tgt Ion:180 Resp: 3555
Ion Ratio Lower Upper
180 100
182 90.1 48.0 144.2
145 34.1 17.7 53.1

