

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040334.D
 Acq On : 19 Feb 2024 16:35
 Operator : JC/MD
 Sample : P1440-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB020724

Quant Time: Feb 20 01:18:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

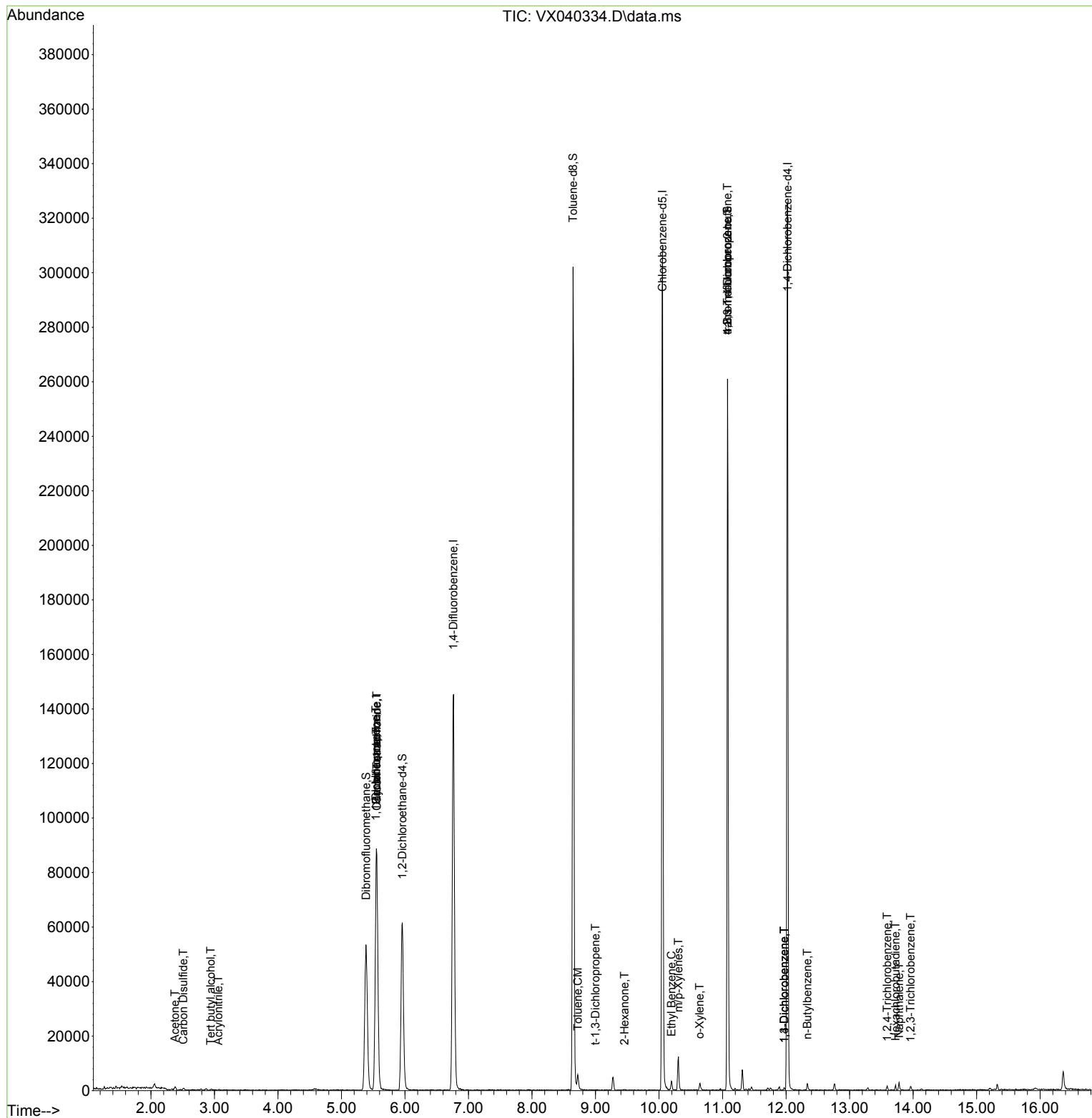
Internal Standards						
1) Pentafluorobenzene	5.550	168	80547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60707	50.661	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.320%			
35) Dibromofluoromethane	5.385	113	45675	45.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.760%			
50) Toluene-d8	8.647	98	171998	46.183	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.360%			
62) 4-Bromofluorobenzene	11.079	95	67009	44.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	115	0.493	ug/l #	78
15) Acrylonitrile	3.062	53	189	0.362	ug/l #	65
16) Acetone	2.380	43	1162	2.361	ug/l	94
17) Carbon Disulfide	2.508	76	737	0.339	ug/l #	76
20) Methylene Chloride	2.782	84	196	Below Cal	#	74
31) Cyclohexane	5.550	56	2137	1.495	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	7161	5.135	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8707	6.566	ug/l #	14
52) Toluene	8.720	92	1940	0.759	ug/l	91
53) t-1,3-Dichloropropene	9.000	75	27	1.974	ug/l #	43
59) 2-Hexanone	9.458	43	288	0.220	ug/l #	26
67) Ethyl Benzene	10.195	91	2342	0.468	ug/l	94
68) m/p-Xylenes	10.305	106	2851	1.508	ug/l	96
69) o-Xylene	10.640	106	533	0.290	ug/l	62
76) 1,2,3-Trichloropropane	11.079	75	36759	27.394	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	36759	75.013	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	475	0.217	ug/l	79
88) 1,4-Dichlorobenzene	11.969	146	475	0.205	ug/l	79
89) n-Butylbenzene	12.335	91	935	0.239	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	513	0.354	ug/l	97
94) Hexachlorobutadiene	13.725	225	300	0.519	ug/l	76
95) Naphthalene	13.780	128	2089	0.457	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	437	0.317	ug/l	90

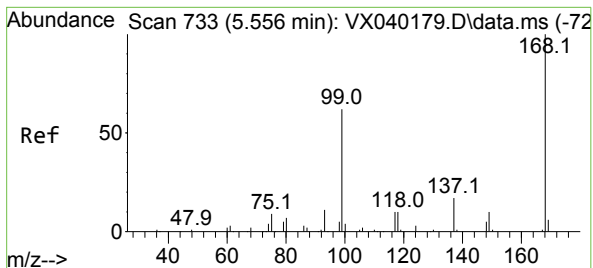
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

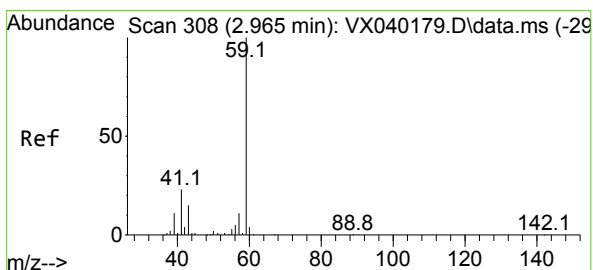
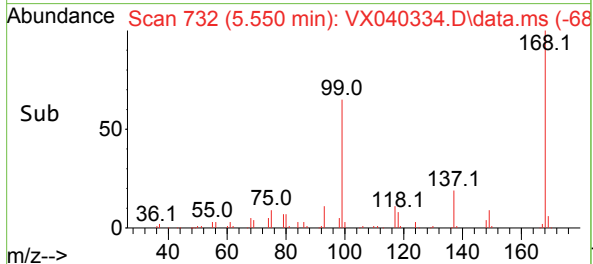
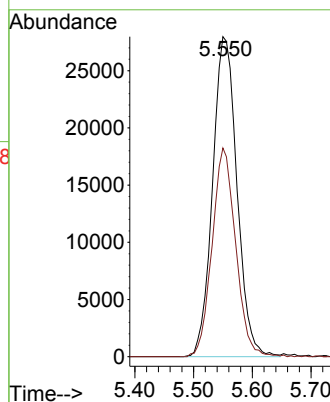
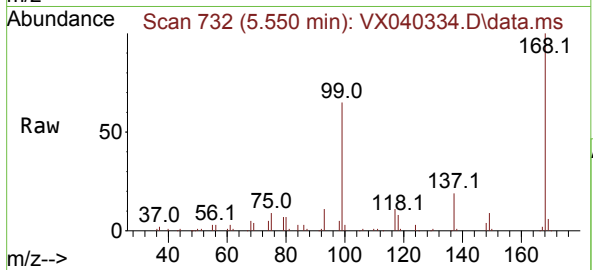
TB020724

Tgt Ion:168 Resp: 80547

Ion Ratio Lower Upper

168 100

99 65.2 56.6 85.0



#11

Tert butyl alcohol

Concen: 0.493 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX040334.D

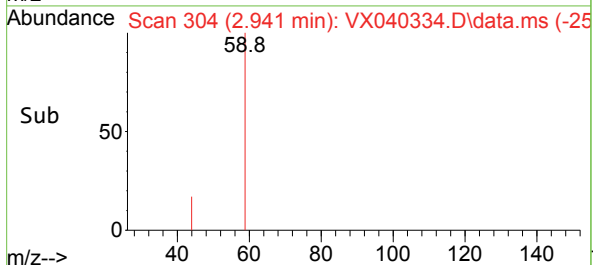
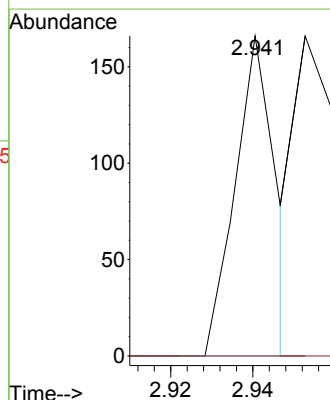
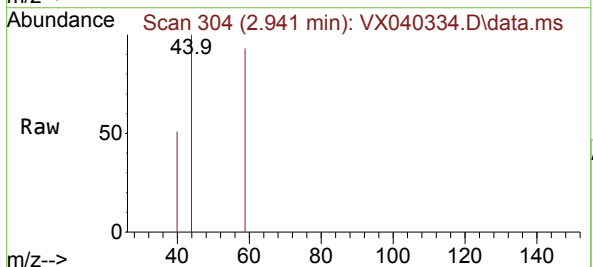
Acq: 19 Feb 2024 16:35

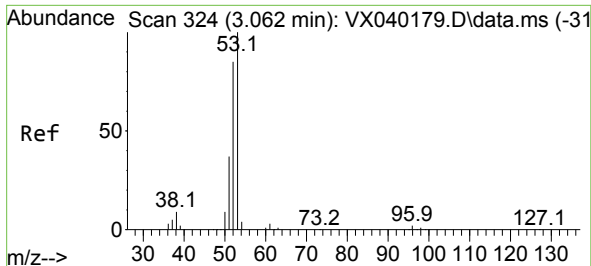
Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

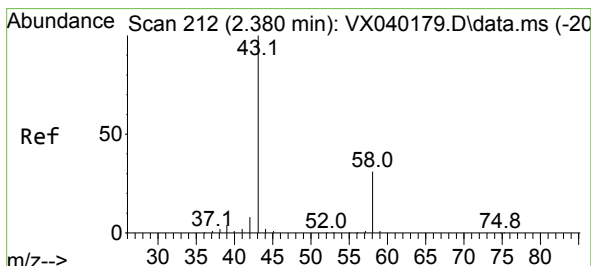
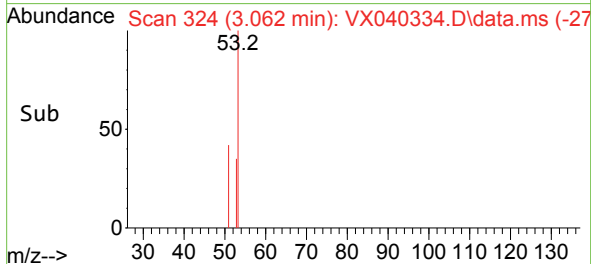
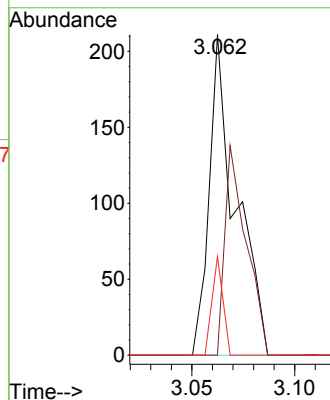
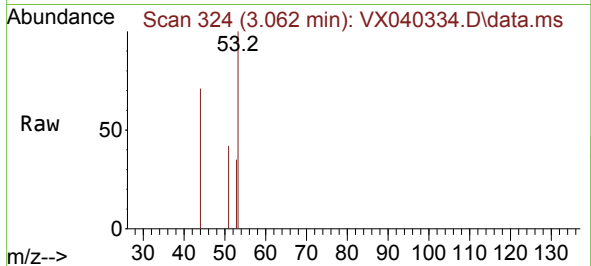




#15
Acrylonitrile
Concen: 0.362 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

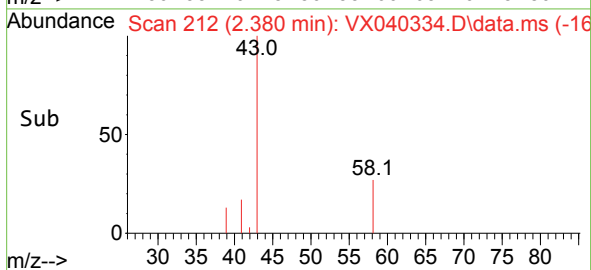
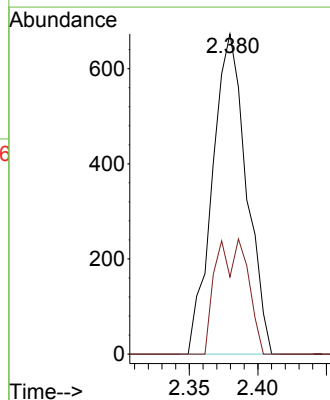
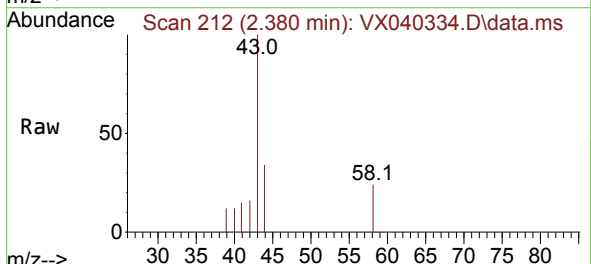
Instrument :
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TB020724

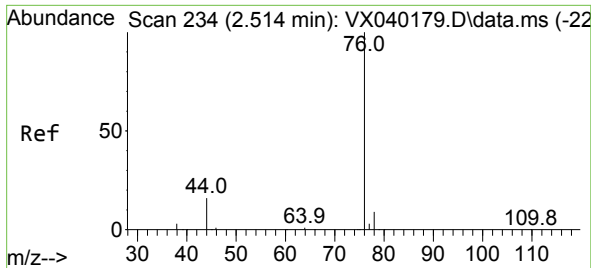
Tgt Ion: 53 Resp: 189
Ion Ratio Lower Upper
53 100
52 52.9 66.0 99.0#
51 12.7 29.8 44.6#



#16
Acetone
Concen: 2.361 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
58 24.1 21.9 32.9





#17

Carbon Disulfide

Concen: 0.339 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

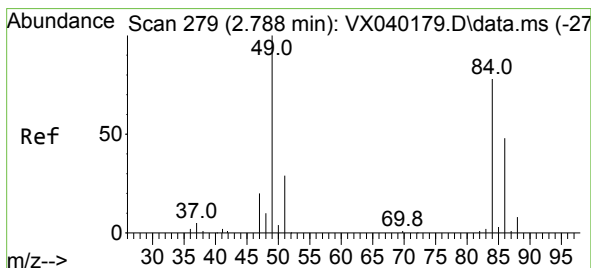
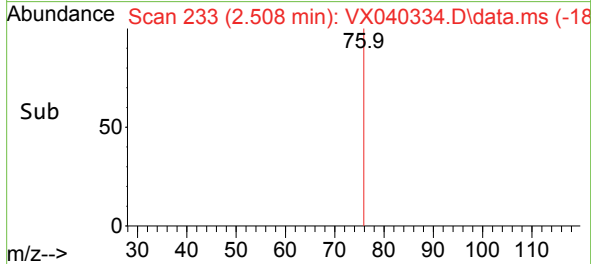
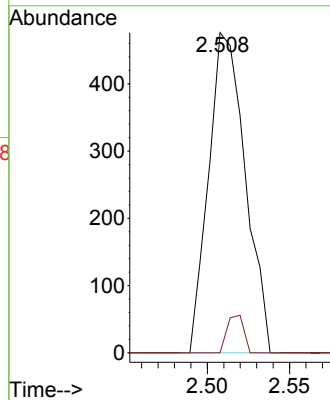
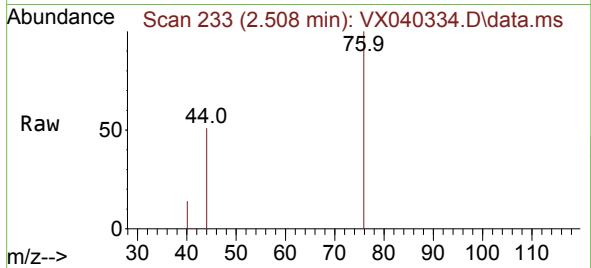
TB020724

Tgt Ion: 76 Resp: 737

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Tgt Ion: 84 Resp: 196

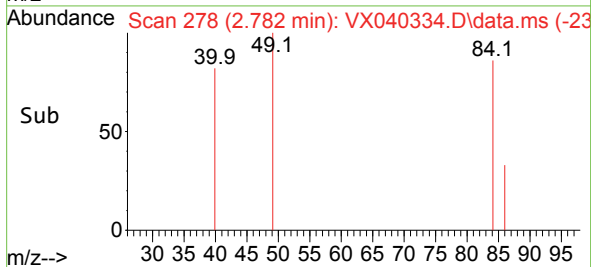
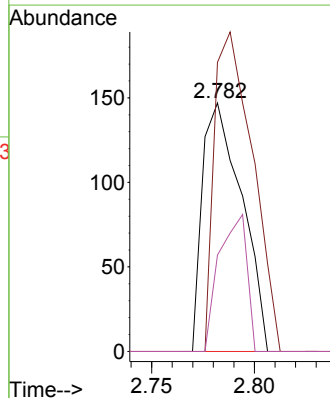
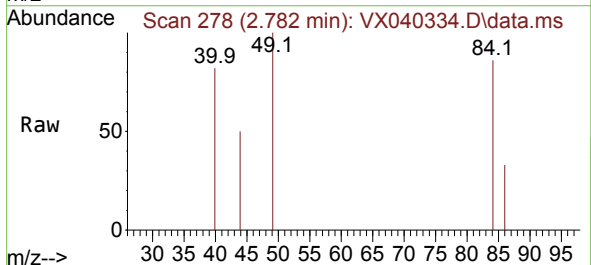
Ion Ratio Lower Upper

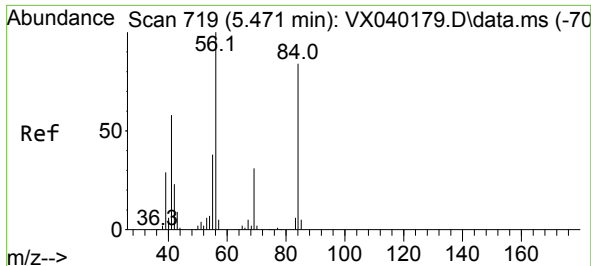
84 100

49 116.3 103.6 155.4

51 0.0 33.8 50.6#

86 38.8 49.4 74.0#

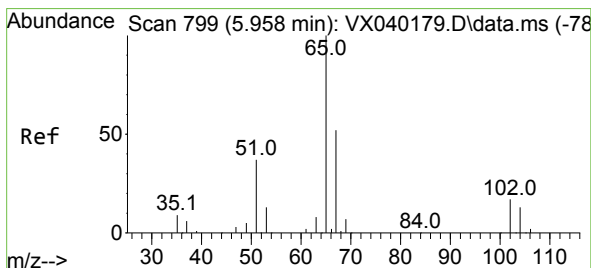
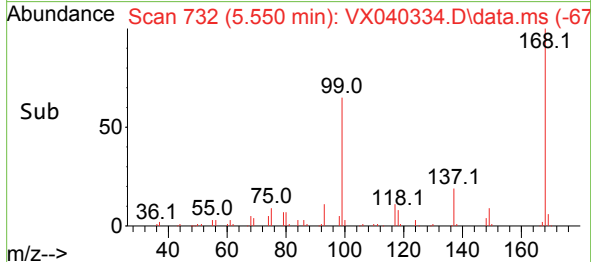
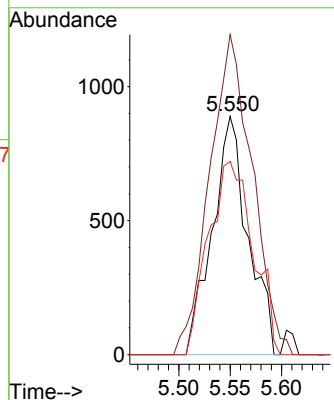
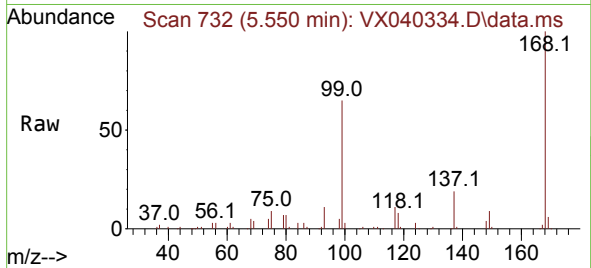




#31
Cyclohexane
Concen: 1.495 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

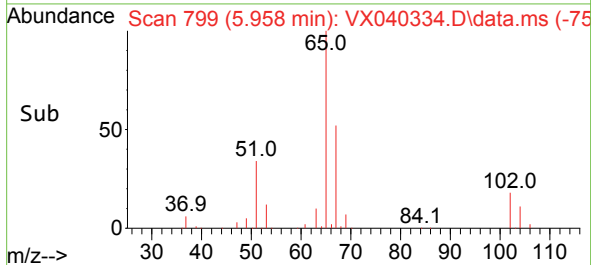
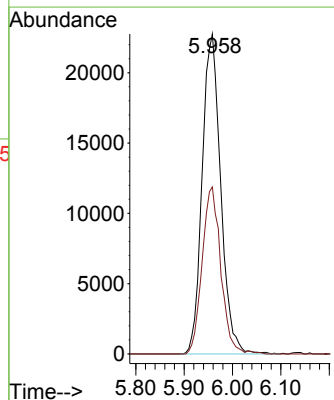
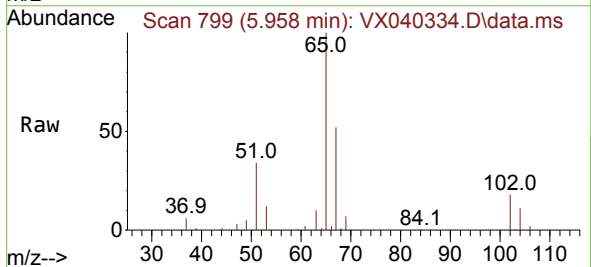
Instrument :
MSVOA_X
ClientSampleId :
TB020724

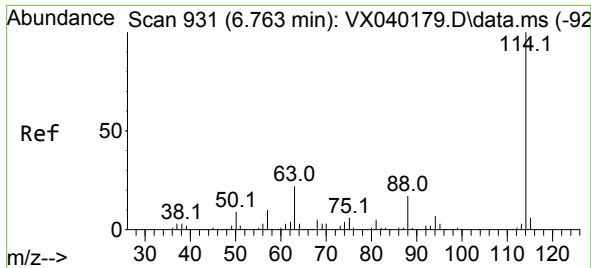
Tgt Ion: 56 Resp: 2137
Ion Ratio Lower Upper
56 100
69 127.4 23.4 35.2#
84 81.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.661 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 65 Resp: 60707
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

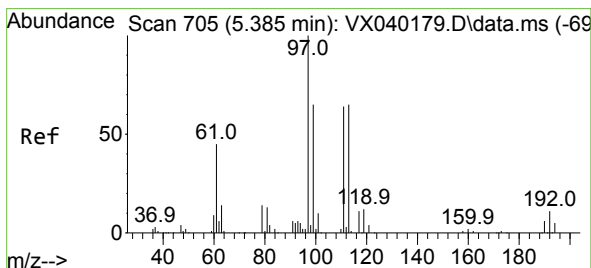
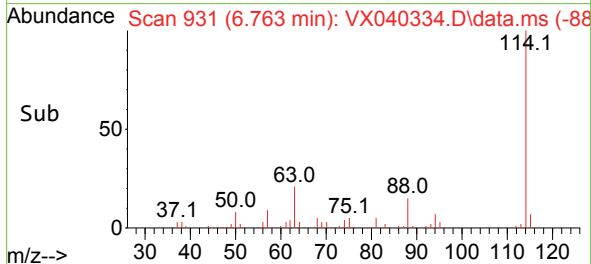
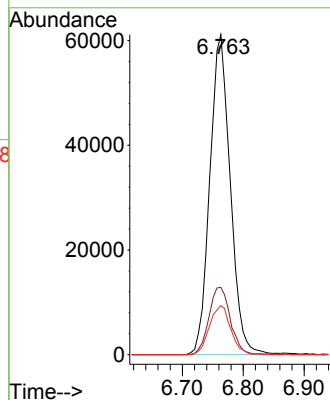
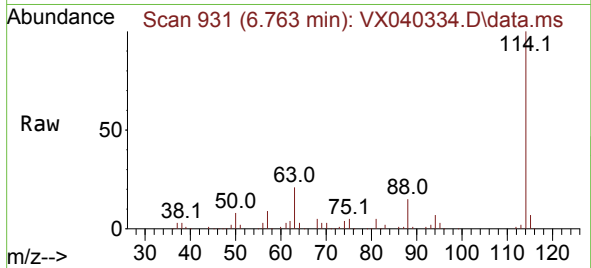




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

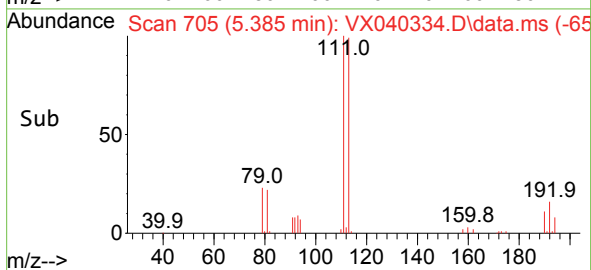
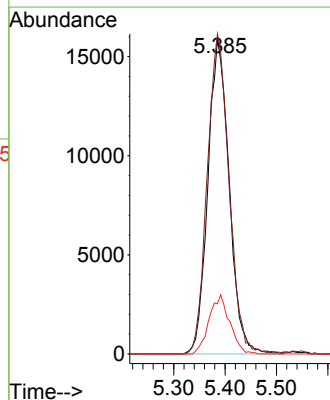
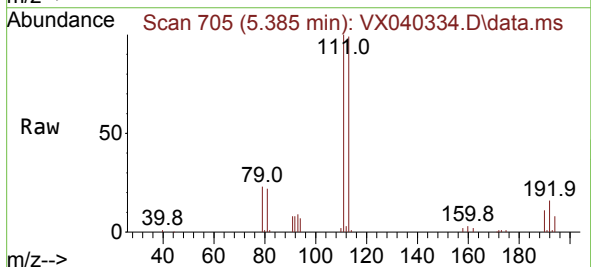
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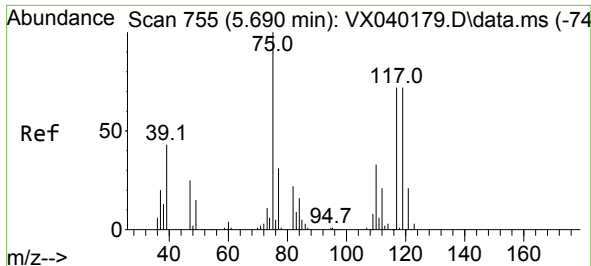
Tgt Ion:114 Resp: 142565
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.877 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion:113 Resp: 45675
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.2 13.3 19.9

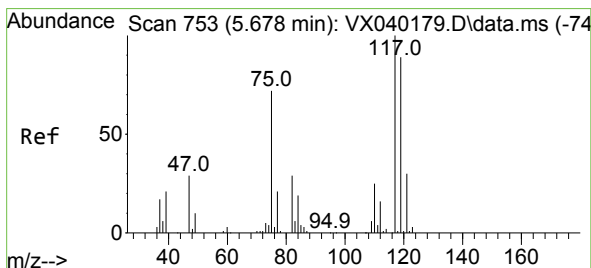
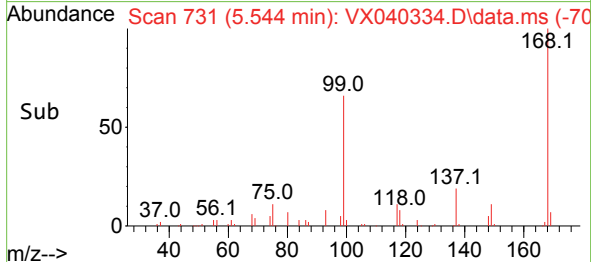
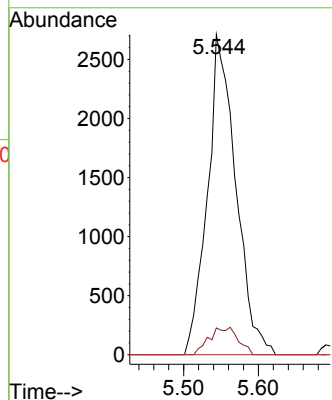
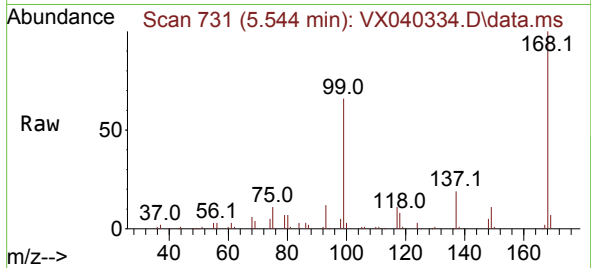




#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 5.544 min Scan# 716
Delta R.T. -0.152 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

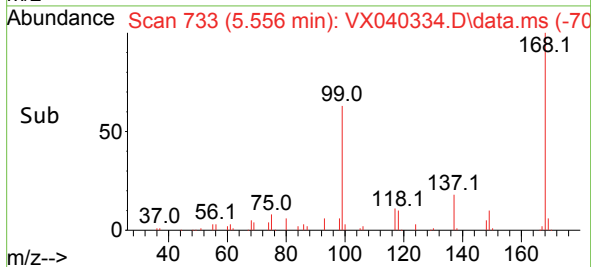
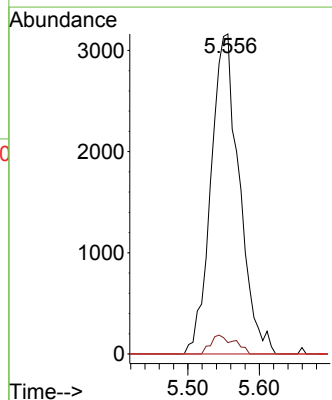
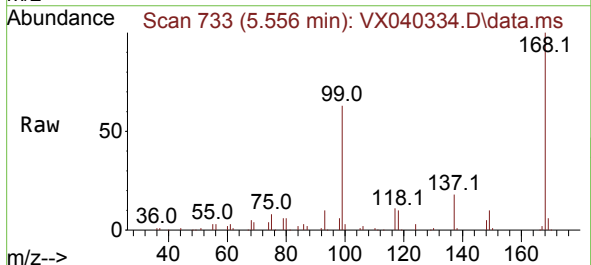
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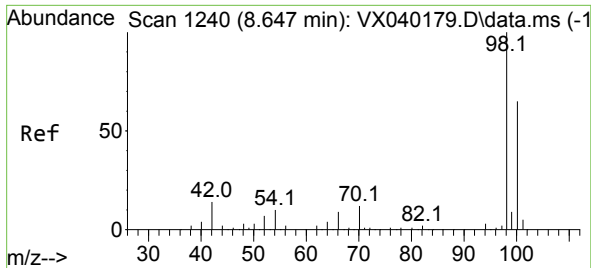
Tgt Ion: 75 Resp: 7161
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 117 Resp: 8707
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#

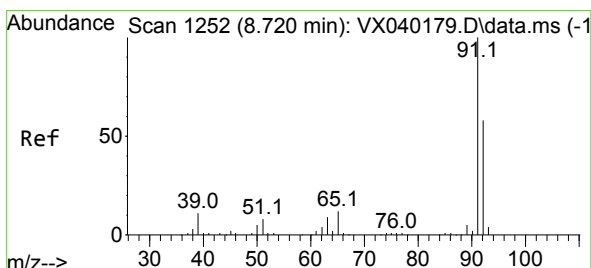
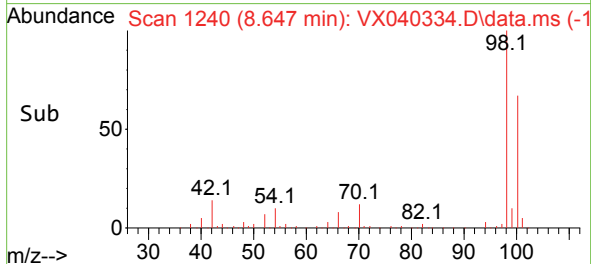
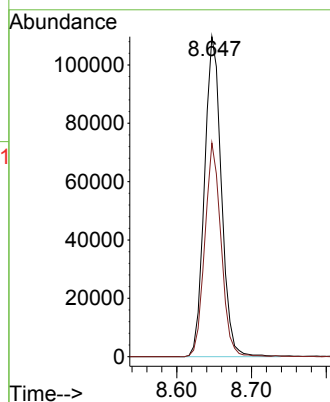
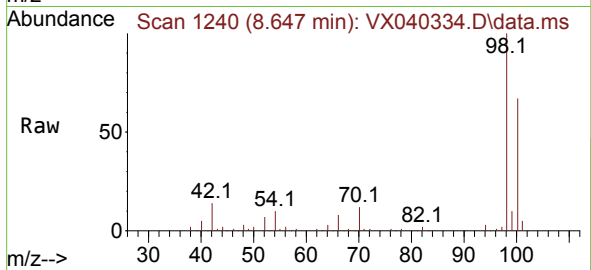




#50
Toluene-d8
Concen: 46.183 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

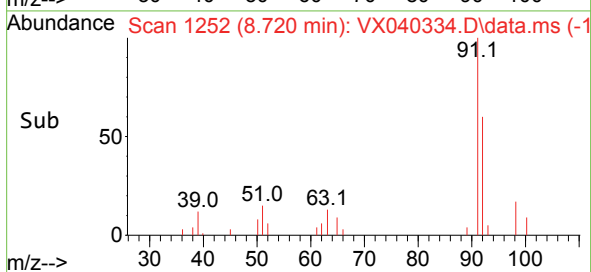
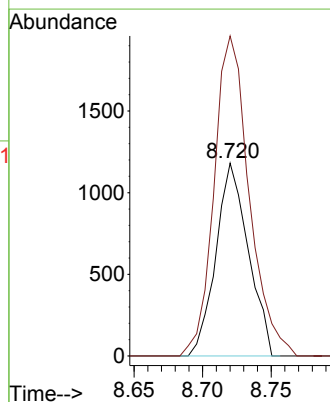
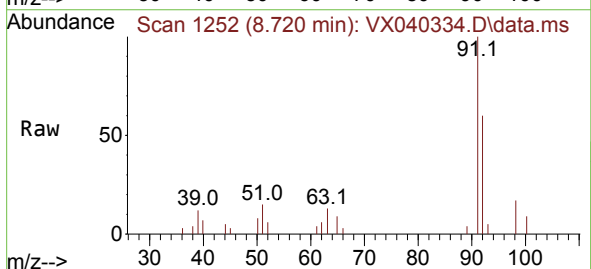
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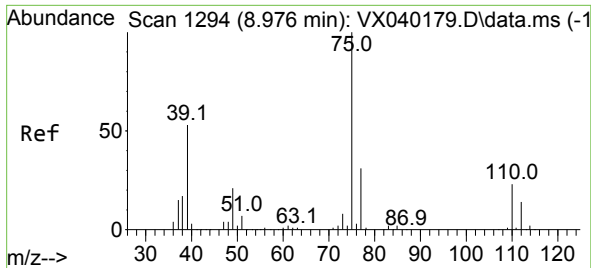
Tgt Ion: 98 Resp: 171998
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#52
Toluene
Concen: 0.759 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 92 Resp: 1940
Ion Ratio Lower Upper
92 100
91 180.2 134.2 201.2

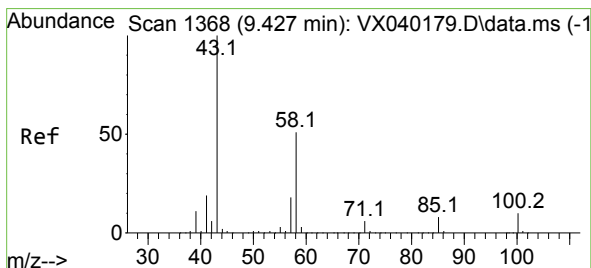
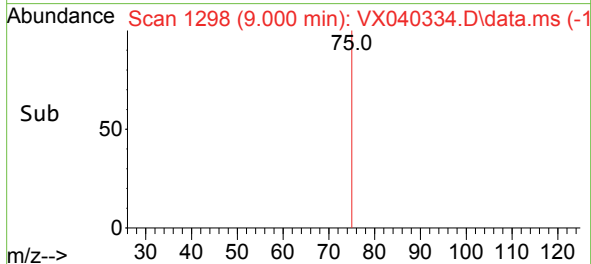
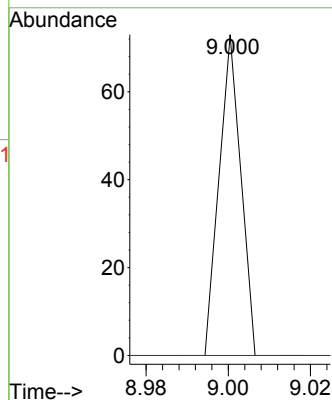
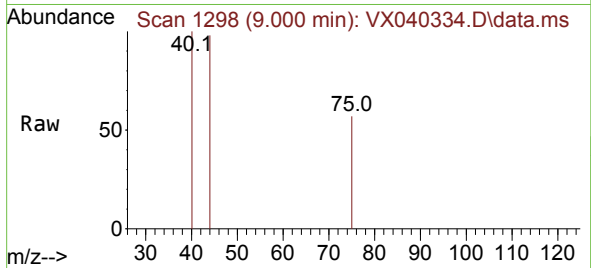




#53
 t-1,3-Dichloropropene
 Concen: 1.974 ug/l
 RT: 9.000 min Scan# 11
 Delta R.T. 0.024 min
 Lab File: VX040334.D
 Acq: 19 Feb 2024 16:35

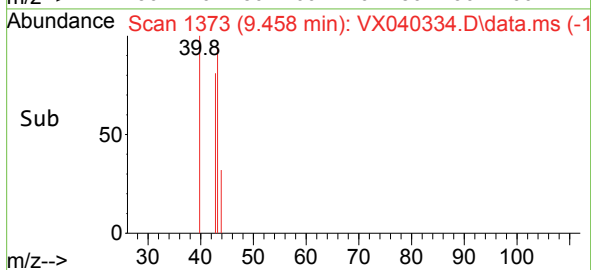
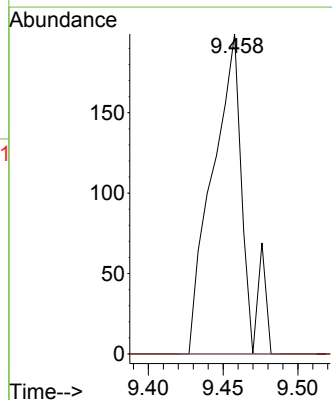
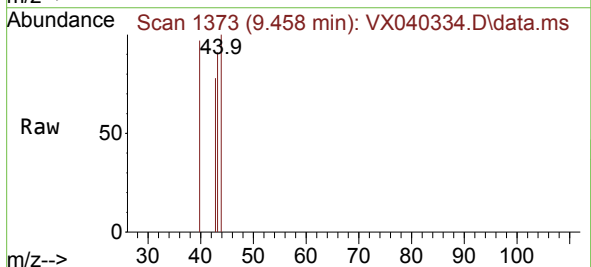
Instrument :
 MSVOA_X
 ClientSampleId :
 TB020724

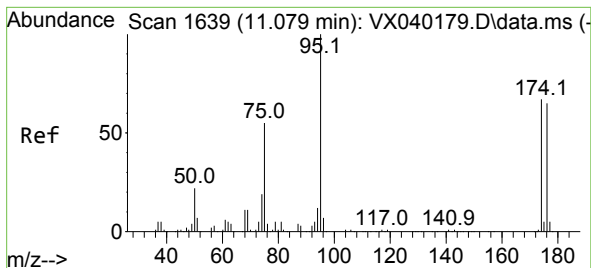
Tgt Ion: 75 Resp: 27
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 0.220 ug/l
 RT: 9.458 min Scan# 1373
 Delta R.T. 0.031 min
 Lab File: VX040334.D
 Acq: 19 Feb 2024 16:35

Tgt Ion: 43 Resp: 288
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.5#

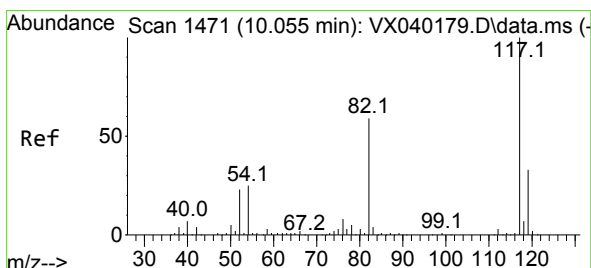
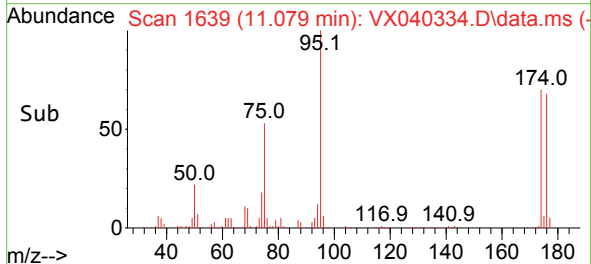
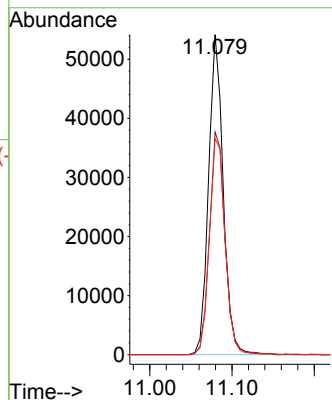
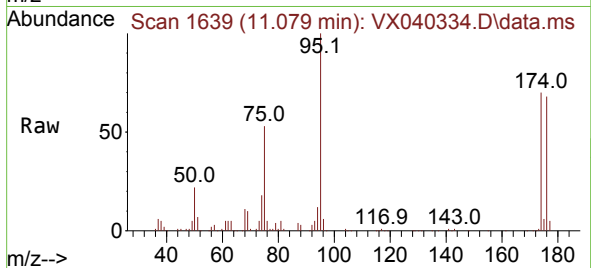




#62
4-Bromofluorobenzene
Concen: 44.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

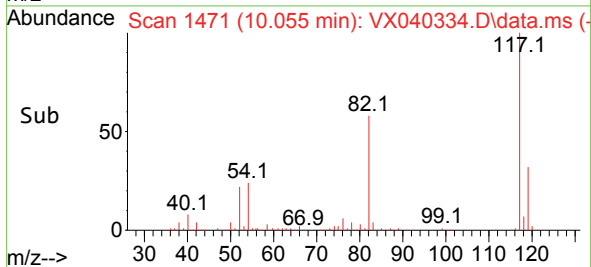
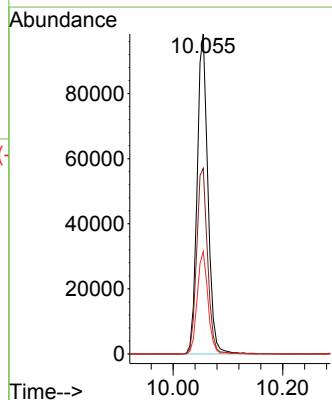
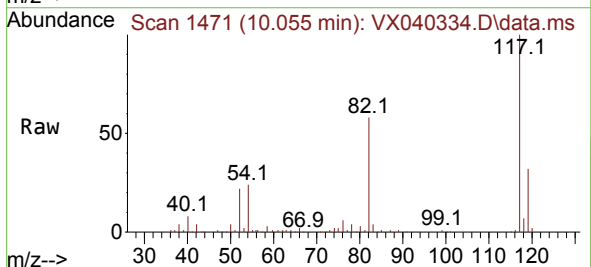
Instrument :
MSVOA_X
ClientSampleId :
TB020724

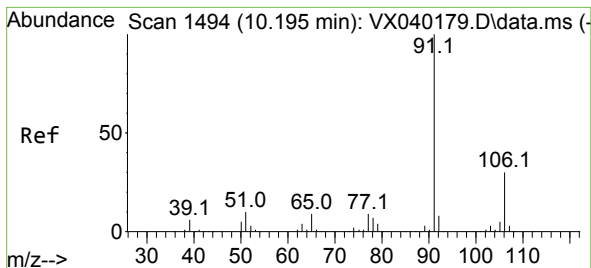
Tgt Ion: 95 Resp: 67009
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 72.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 117 Resp: 134692
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 32.0 25.5 38.3





#67

Ethyl Benzene

Concen: 0.468 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

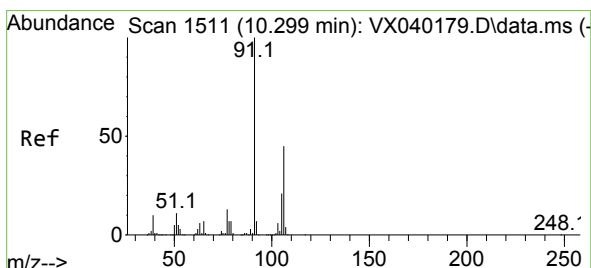
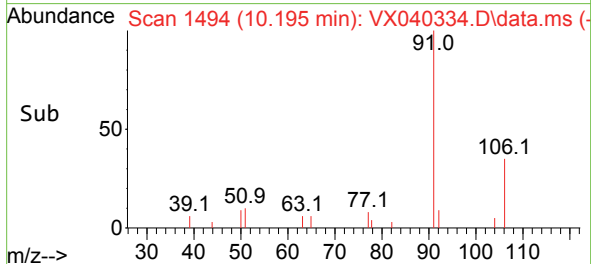
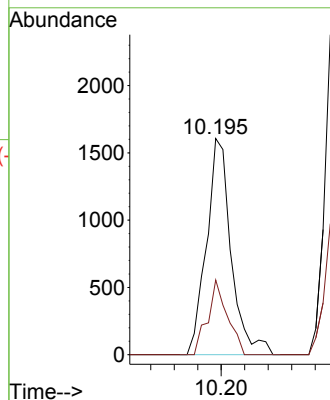
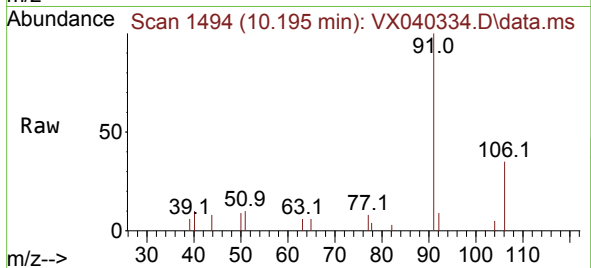
TB020724

Tgt Ion: 91 Resp: 2342

Ion Ratio Lower Upper

91 100

106 34.6 24.9 37.3



#68

m/p-Xylenes

Concen: 1.508 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX040334.D

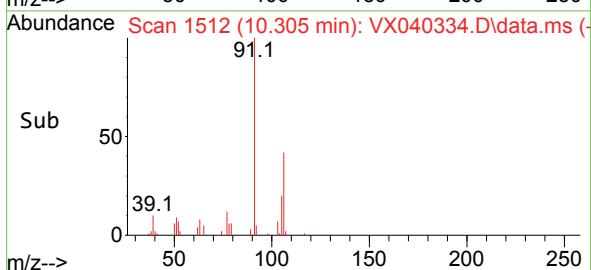
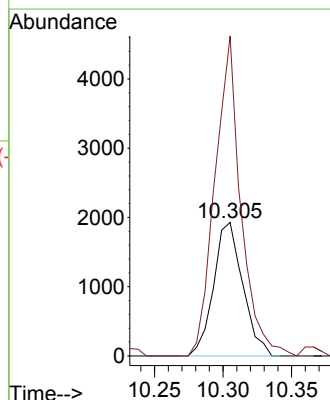
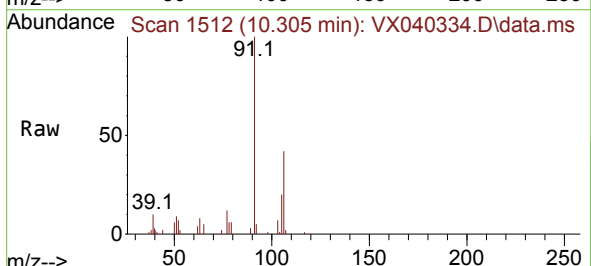
Acq: 19 Feb 2024 16:35

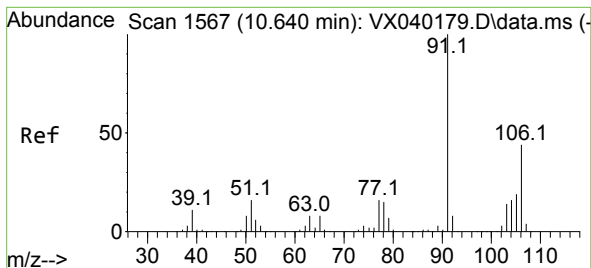
Tgt Ion: 106 Resp: 2851

Ion Ratio Lower Upper

106 100

91 213.3 165.5 248.3





#69

o-Xylene

Concen: 0.290 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

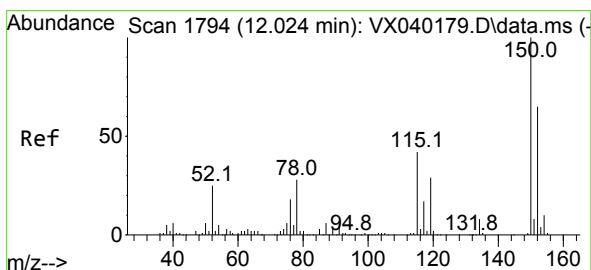
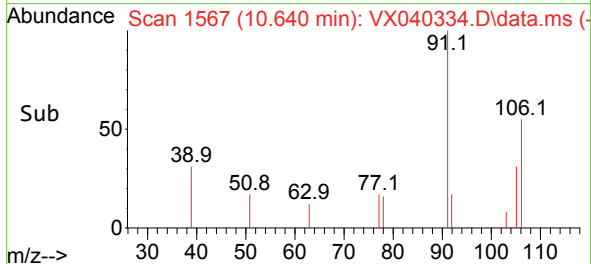
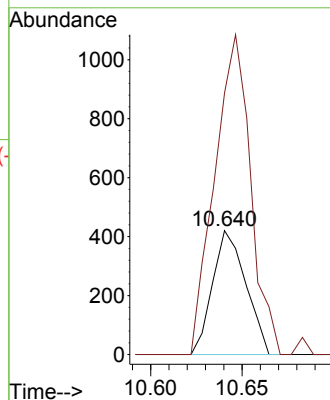
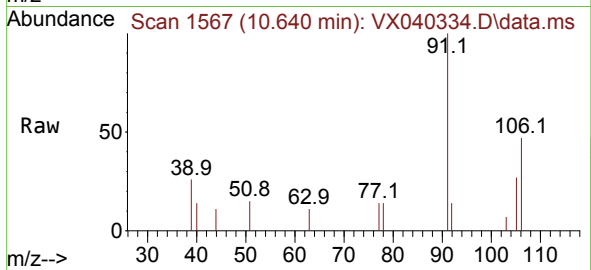
TB020724

Tgt Ion:106 Resp: 533

Ion Ratio Lower Upper

106 100

91 278.2 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

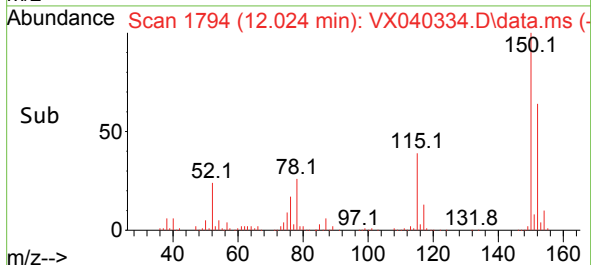
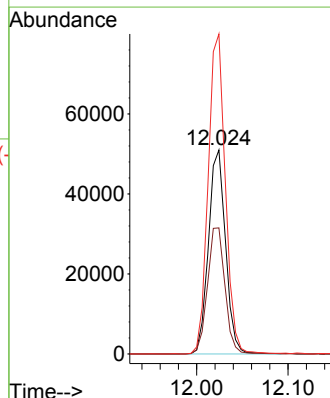
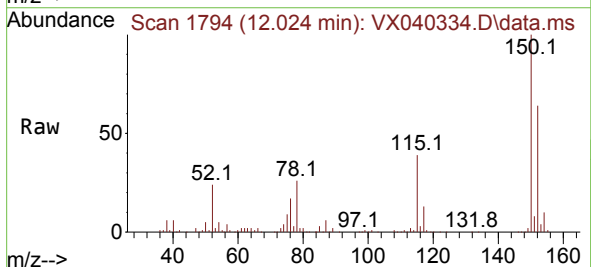
Tgt Ion:152 Resp: 66264

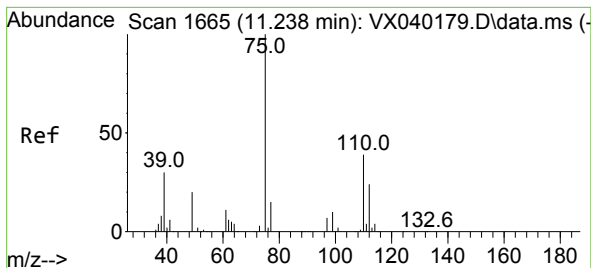
Ion Ratio Lower Upper

152 100

115 63.2 43.3 129.9

150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.394 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

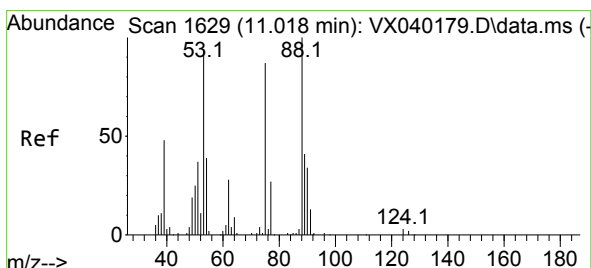
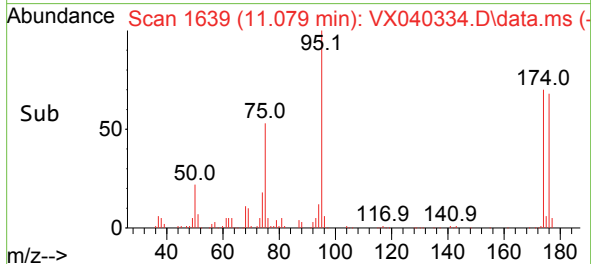
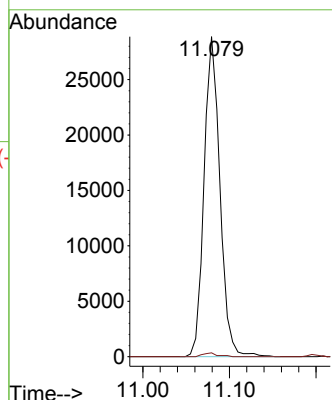
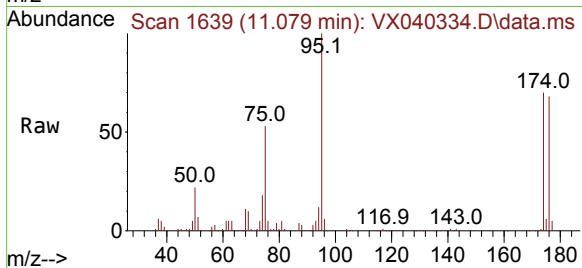
TB020724

Tgt Ion: 75 Resp: 36759

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.013 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

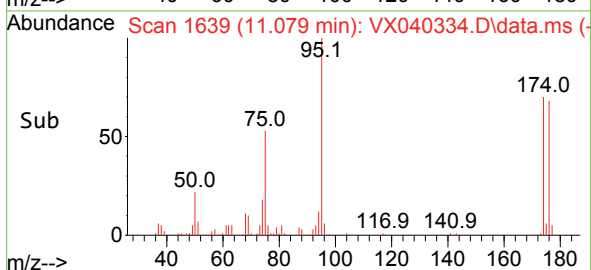
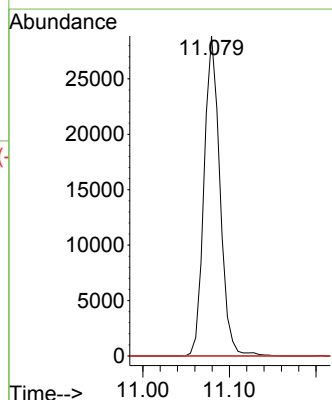
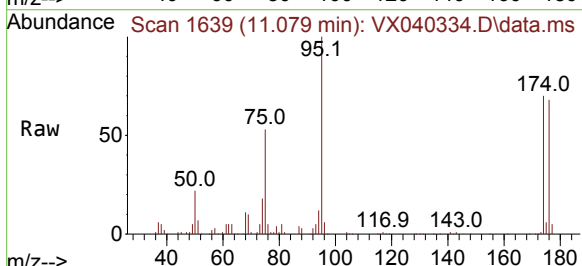
Tgt Ion: 75 Resp: 36759

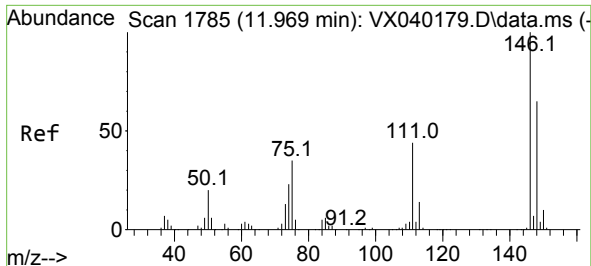
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

TB020724

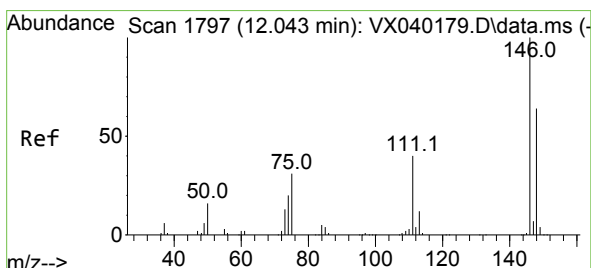
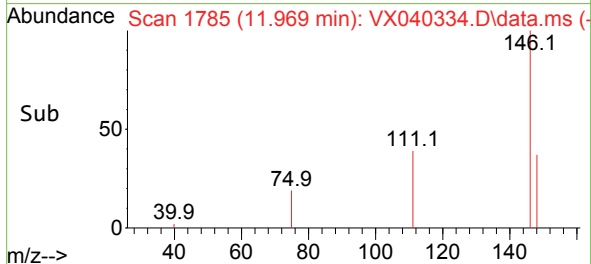
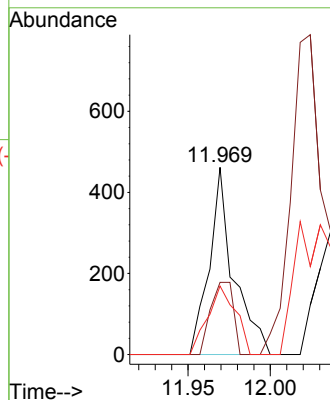
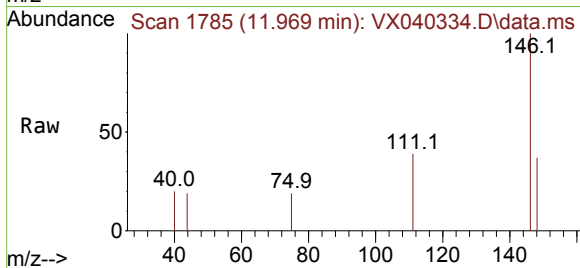
Tgt Ion:146 Resp: 475

Ion Ratio Lower Upper

146 100

111 35.8 22.1 66.1

148 42.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.205 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX040334.D

Acq: 19 Feb 2024 16:35

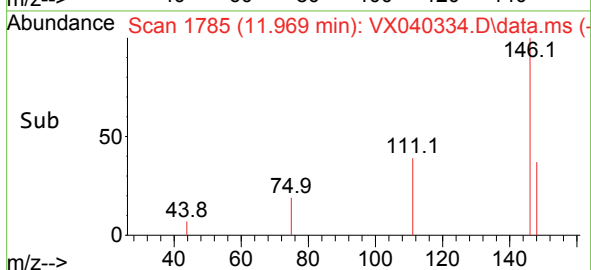
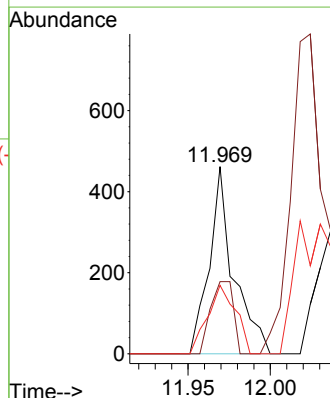
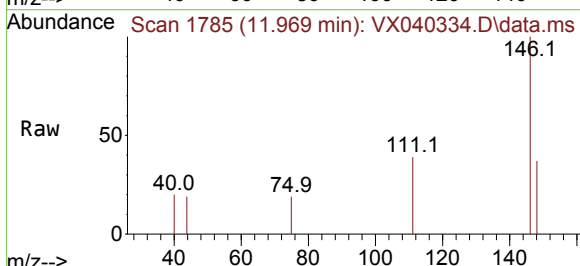
Tgt Ion:146 Resp: 475

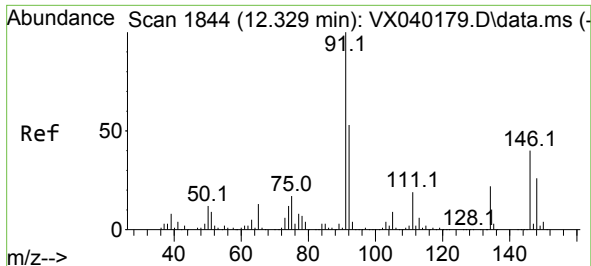
Ion Ratio Lower Upper

146 100

111 35.8 21.3 63.7

148 42.1 31.8 95.4

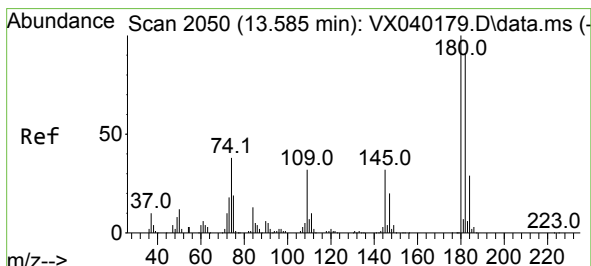
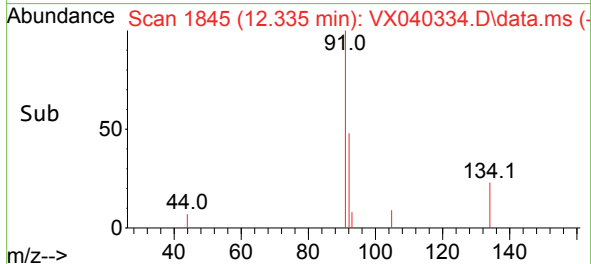
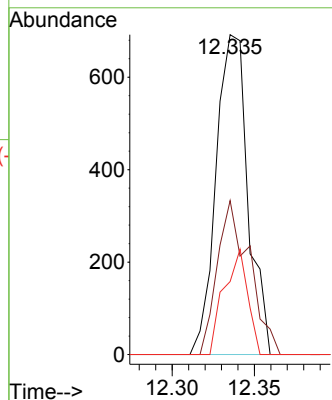
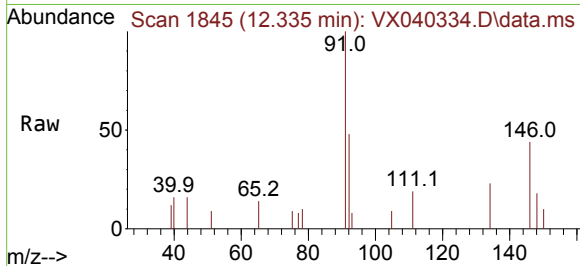




#89
n-Butylbenzene
Concen: 0.239 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

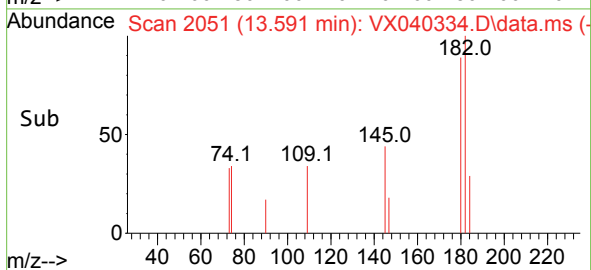
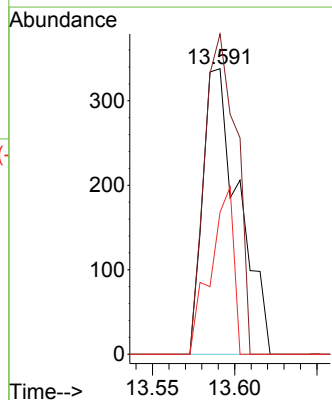
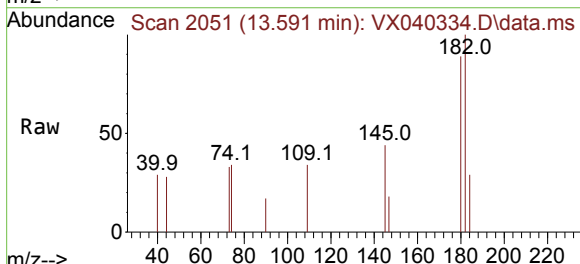
Instrument :
MSVOA_X
ClientSampleId :
TB020724

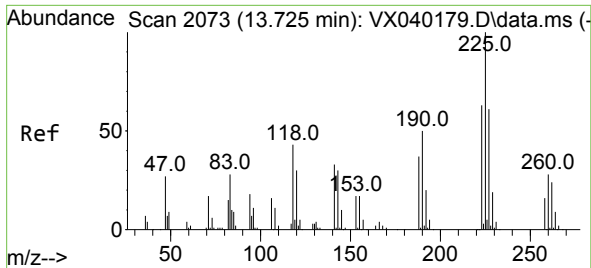
Tgt Ion: 91	Resp:	935
Ion	Ratio	Lower Upper
91	100	
92	48.3	27.4 82.0
134	24.3	12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.354 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion: 180	Resp:	513
Ion	Ratio	Lower Upper
180	100	
182	99.8	48.3 144.8
145	37.8	18.0 54.0

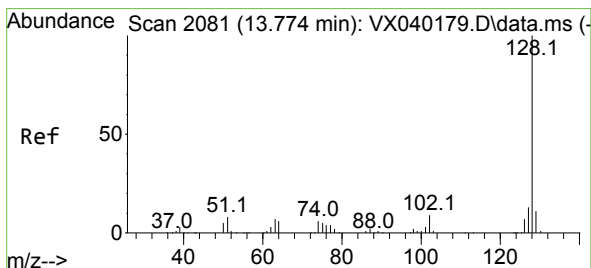
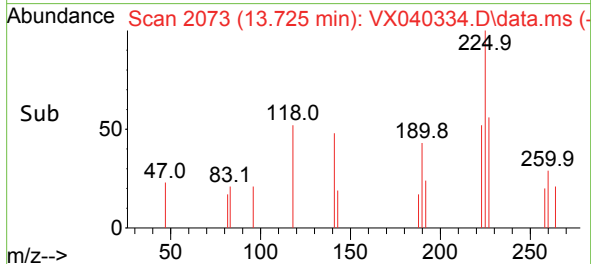
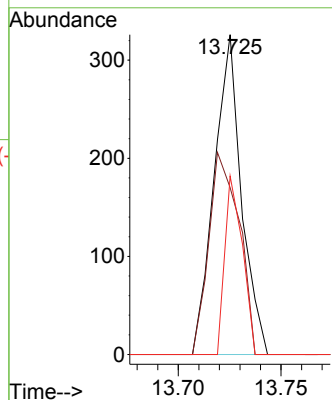
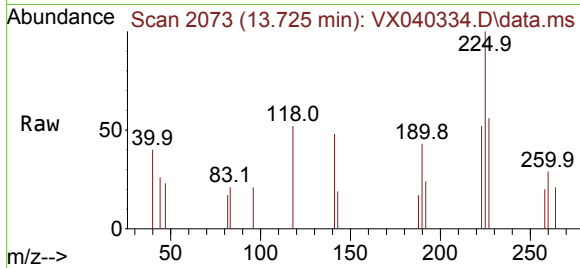




#94
Hexachlorobutadiene
Concen: 0.519 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

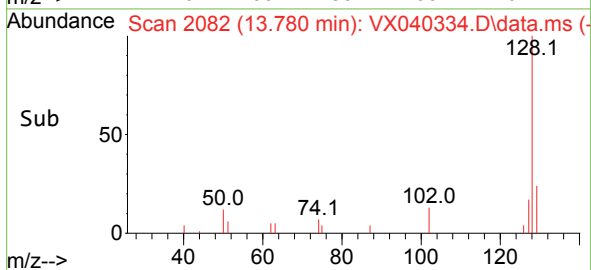
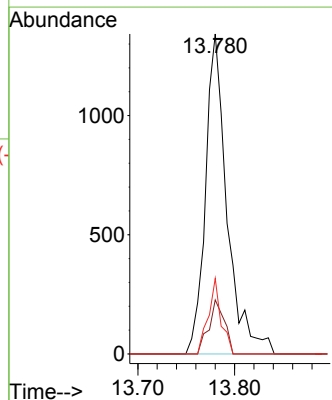
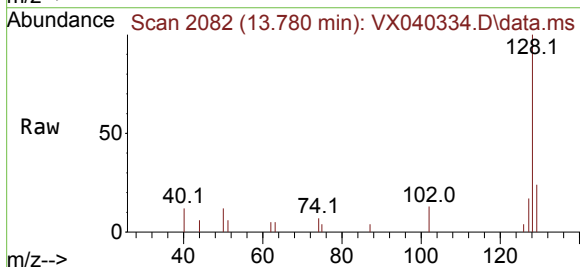
Instrument :
MSVOA_X
ClientSampleId :
TB020724

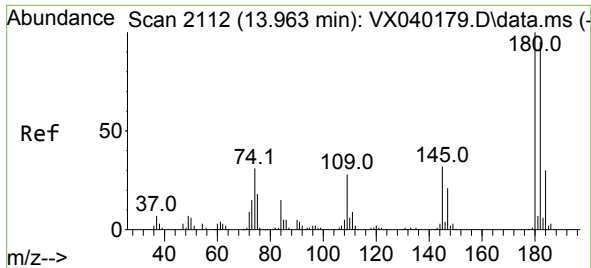
Tgt Ion:	225	Resp:	300
Ion	Ratio	Lower	Upper
225	100		
223	70.3	31.1	93.2
227	36.0	32.5	97.5



#95
Naphthalene
Concen: 0.457 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040334.D
Acq: 19 Feb 2024 16:35

Tgt Ion:	128	Resp:	2089
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	13.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX040334.D
 Acq: 19 Feb 2024 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TB020724

Tgt Ion:180 Resp: 437
 Ion Ratio Lower Upper
 180 100
 182 104.3 46.9 140.6
 145 38.9 17.8 53.5

