

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020624\
 Data File : VX040139.D
 Acq On : 06 Feb 2024 15:16
 Operator : JC/MD
 Sample : P1376-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-195-DUP-20240202

Quant Time: Feb 07 00:36:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

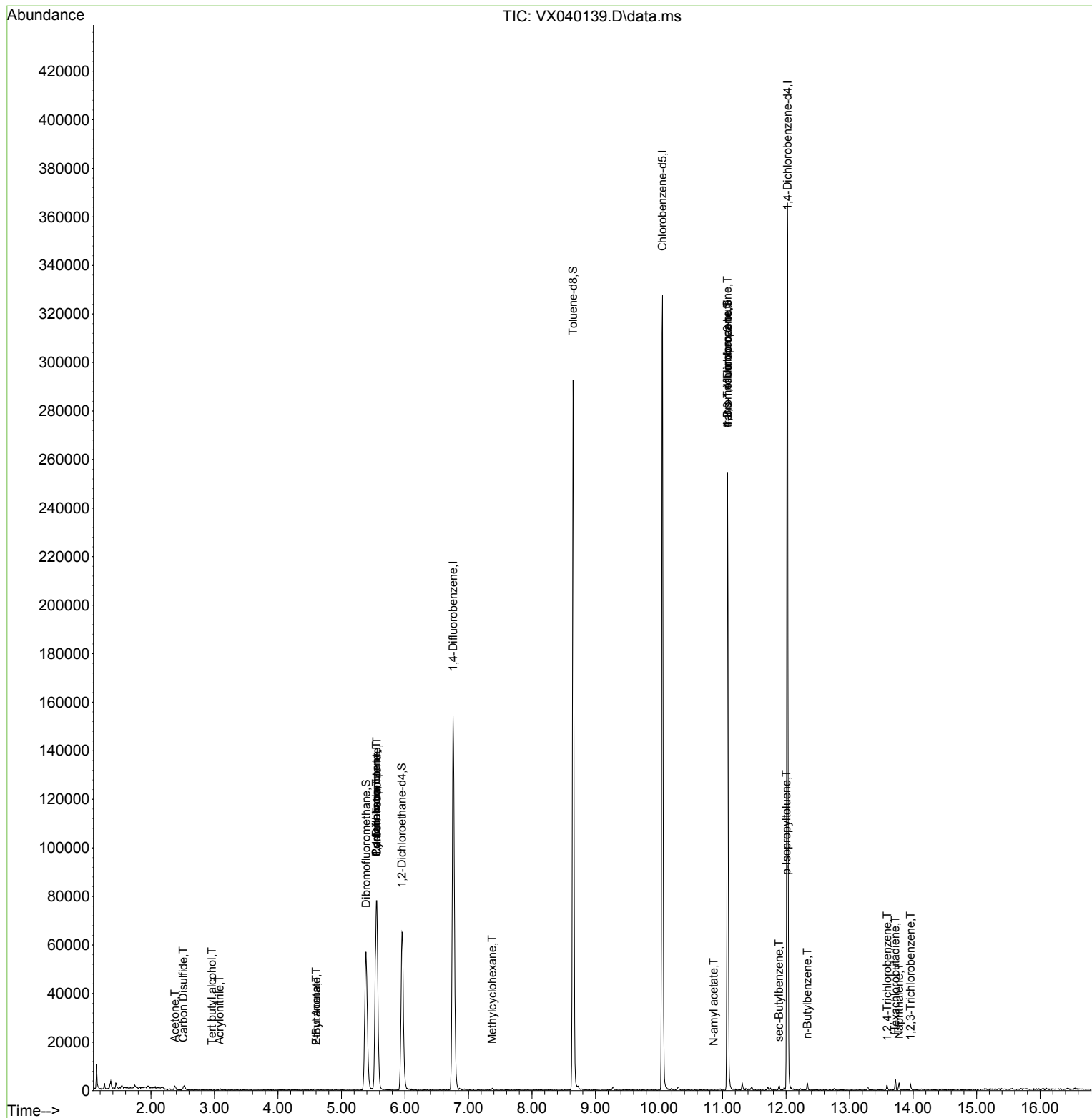
Internal Standards						
1) Pentafluorobenzene	5.550	168	71244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62067	54.132	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.260%			
35) Dibromofluoromethane	5.385	113	49425	47.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.220%			
50) Toluene-d8	8.647	98	166439	42.425	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 84.840%#			
62) 4-Bromofluorobenzene	11.079	95	64376	42.616	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.240%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	81	0.389	ug/l #	78
15) Acrylonitrile	3.081	53	180	0.345	ug/l #	37
16) Acetone	2.380	43	1845	3.434	ug/l #	87
17) Carbon Disulfide	2.508	76	1165	0.497	ug/l #	72
25) 2-Butanone	4.605	43	396	0.530	ug/l #	51
31) Cyclohexane	5.550	56	2056	1.432	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	6558	4.322	ug/l #	51
37) Ethyl Acetate	4.605	43	396	0.239	ug/l #	69
38) Carbon Tetrachloride	5.556	117	7868	5.420	ug/l #	15
39) Methylcyclohexane	7.373	83	372	0.202	ug/l #	42
74) N-amyl acetate	10.860	43	23	0.208	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	36538	23.777	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	36538	70.866	ug/l #	5
85) sec-Butylbenzene	11.890	105	1168	0.207	ug/l	98
86) p-Isopropyltoluene	12.006	119	962	0.209	ug/l #	59
89) n-Butylbenzene	12.335	91	1469	0.328	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	536	0.369	ug/l #	79
94) Hexachlorobutadiene	13.719	225	683	1.193	ug/l	73
95) Naphthalene	13.780	128	1883	0.381	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	581	0.404	ug/l	83

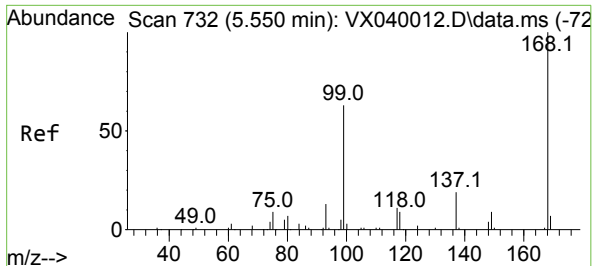
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 00:36:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

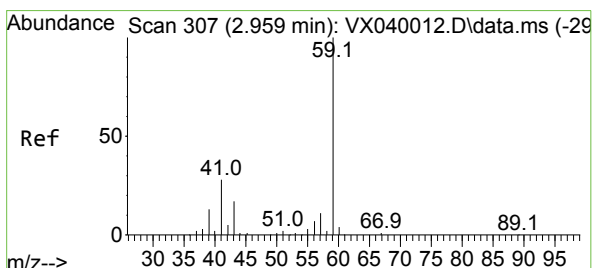
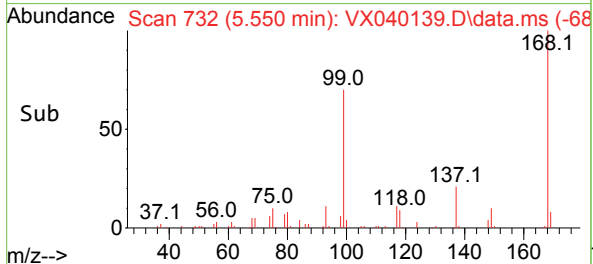
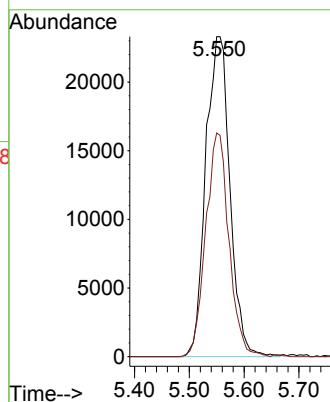
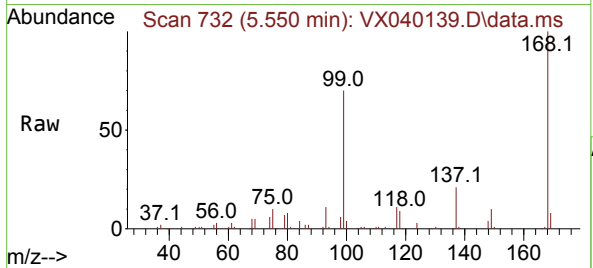




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

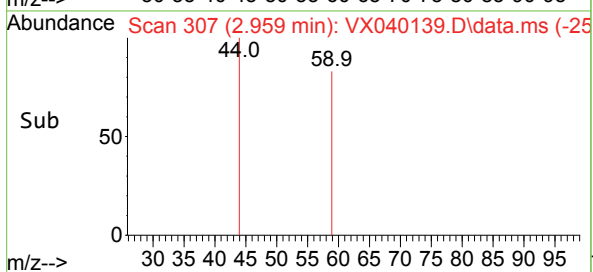
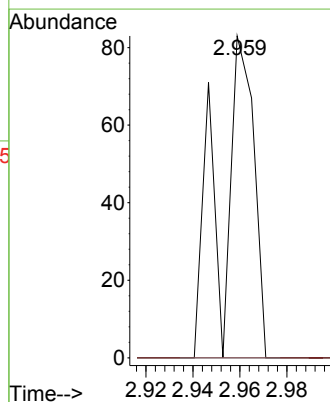
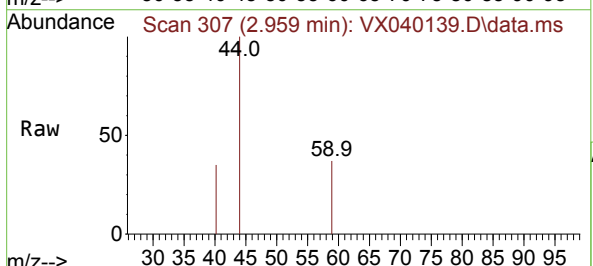
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202

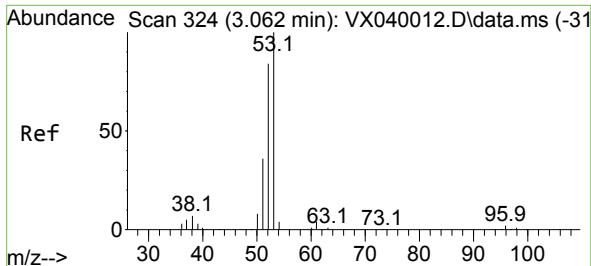
Tgt Ion:168 Resp: 71244
Ion Ratio Lower Upper
168 100
99 69.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

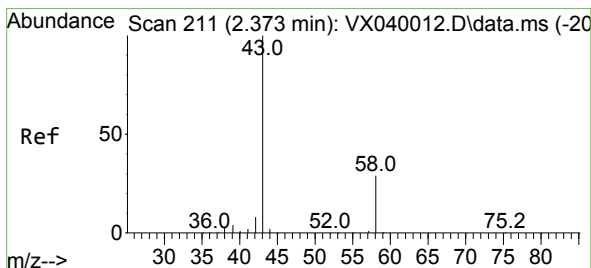
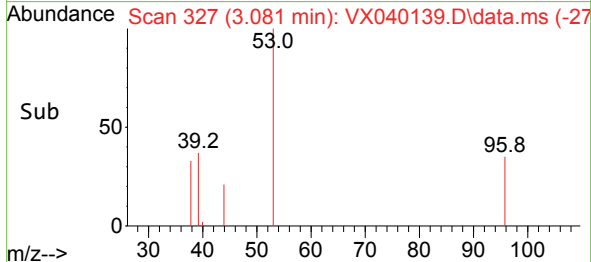
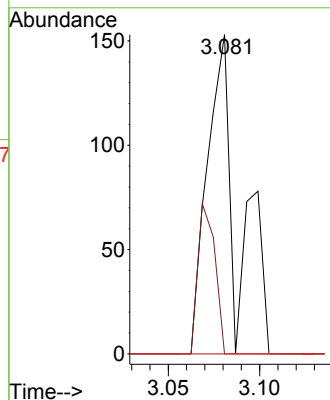
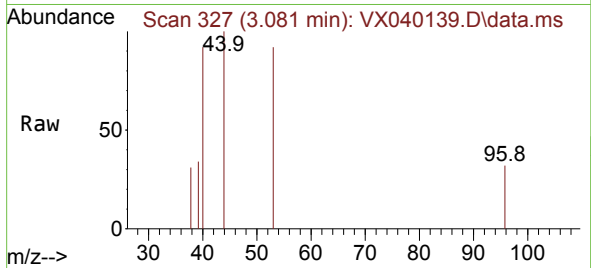




#15
Acrylonitrile
Concen: 0.345 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

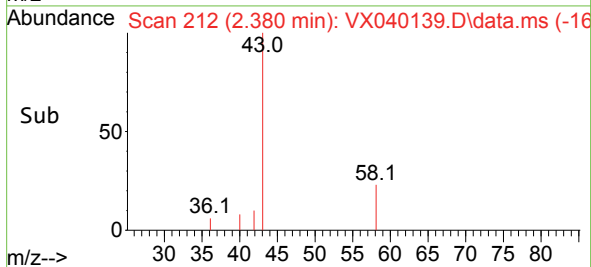
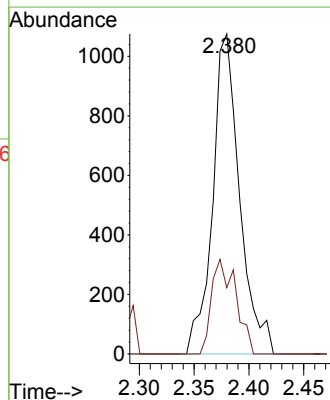
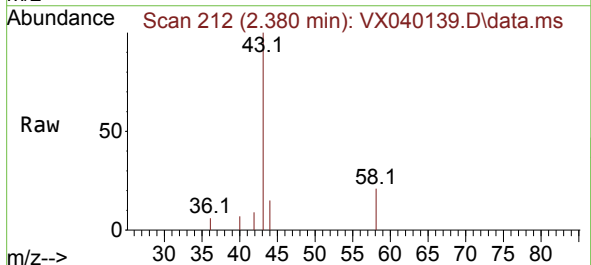
Instrument :
MSVOA_X
ClientSampleId :
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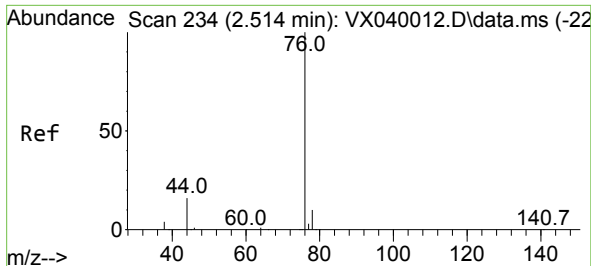
Tgt Ion: 53 Resp: 180
Ion Ratio Lower Upper
53 100
52 26.1 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 3.434 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 20.7 21.9 32.9#

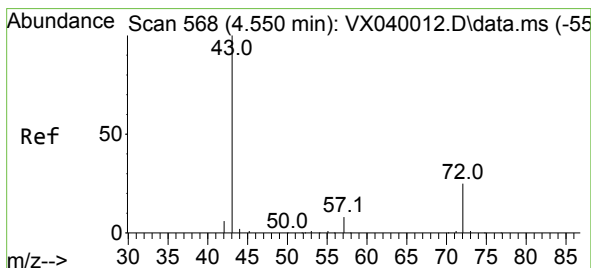
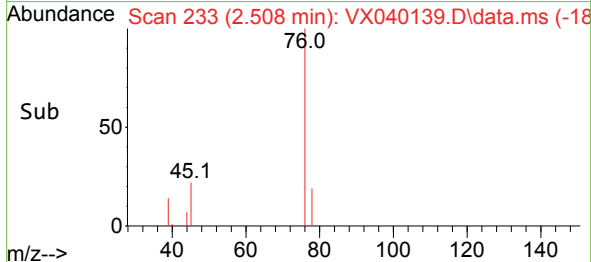
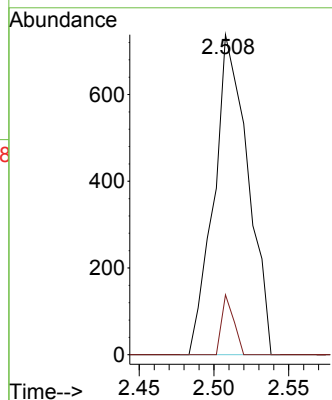
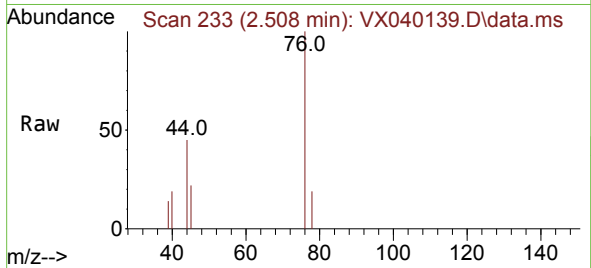




#17
Carbon Disulfide
Concen: 0.497 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

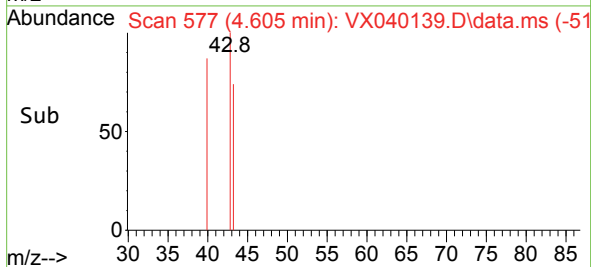
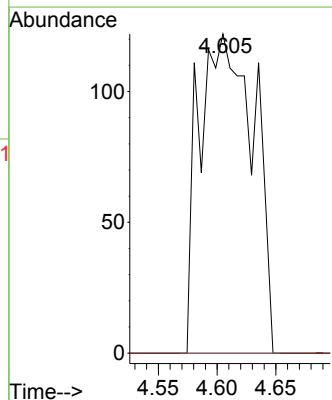
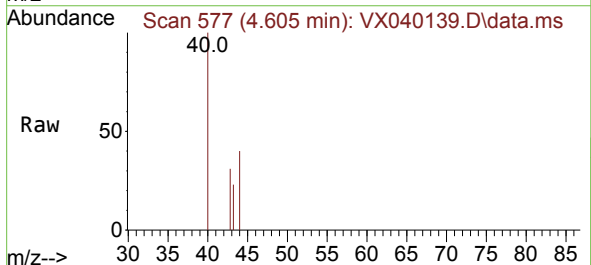
Instrument :
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BP-VPB-195-DUP-20240202

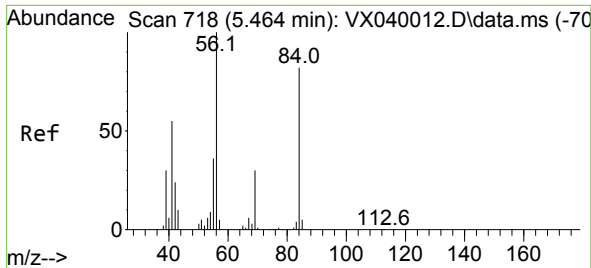
Tgt Ion: 76 Resp: 1165
Ion Ratio Lower Upper
76 100
78 18.7 7.0 10.6#



#25
2-Butanone
Concen: 0.530 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.055 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

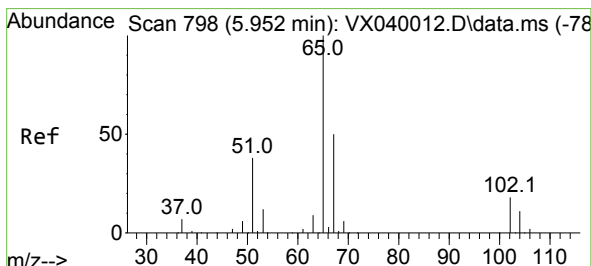
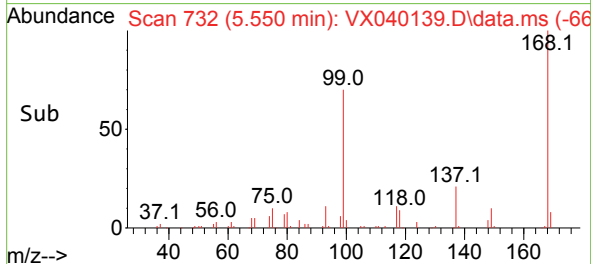
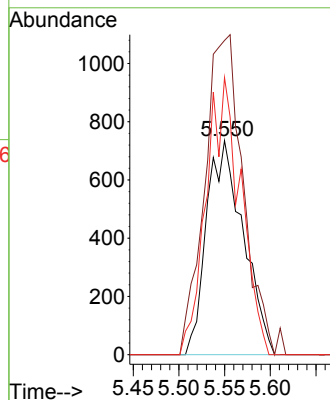
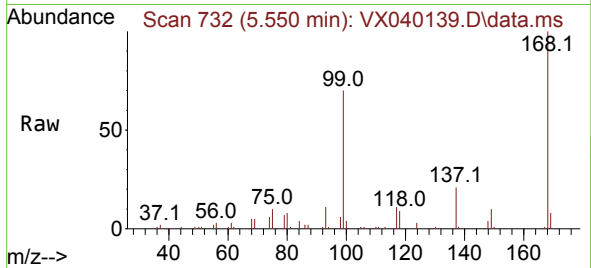




#31
Cyclohexane
Concen: 1.432 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

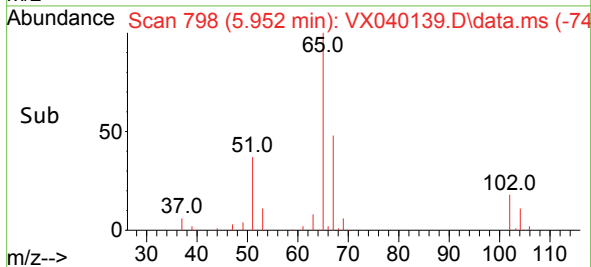
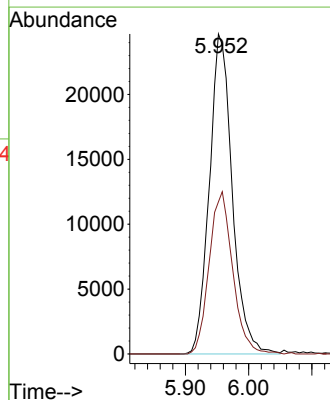
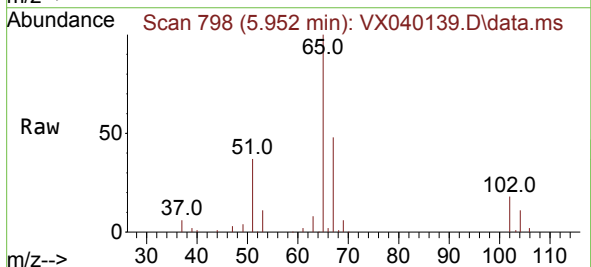
Instrument :
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ClientSampleId :
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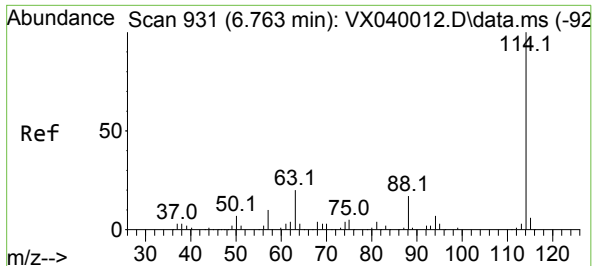
Tgt Ion: 56 Resp: 2056
Ion Ratio Lower Upper
56 100
69 146.8 23.4 35.2#
84 129.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.132 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 65 Resp: 62067
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

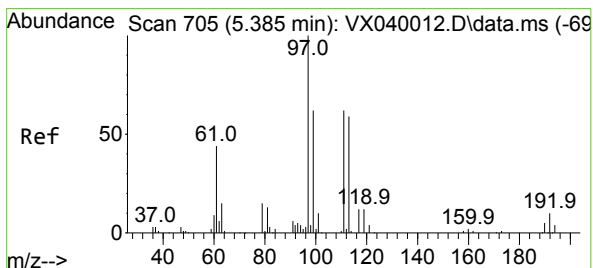
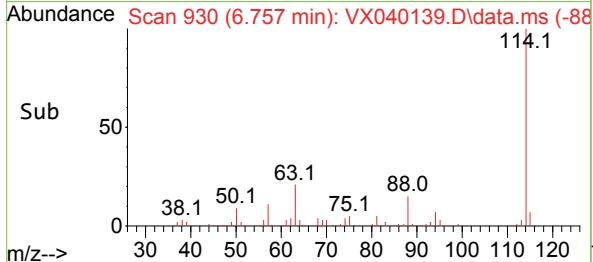
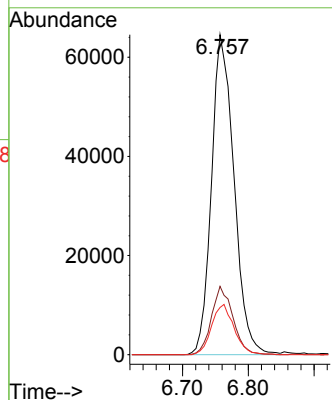
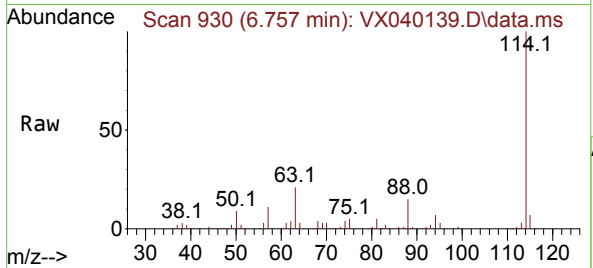




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

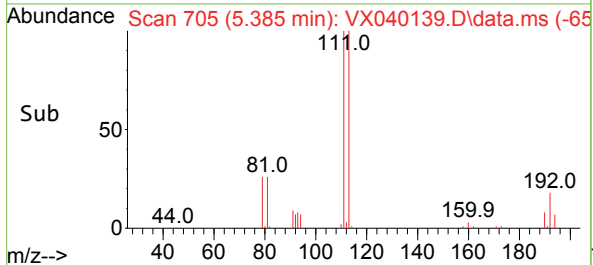
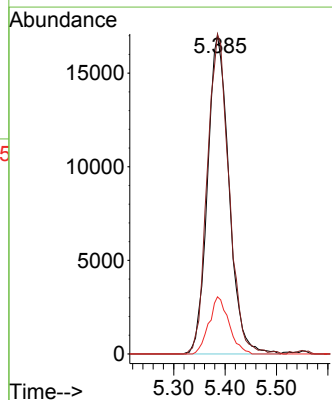
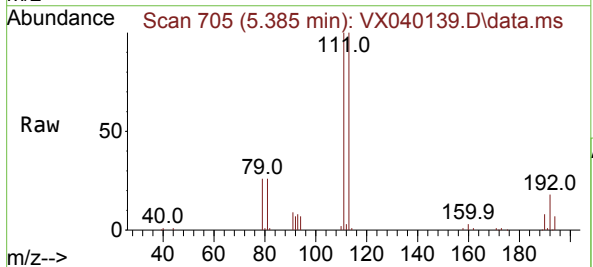
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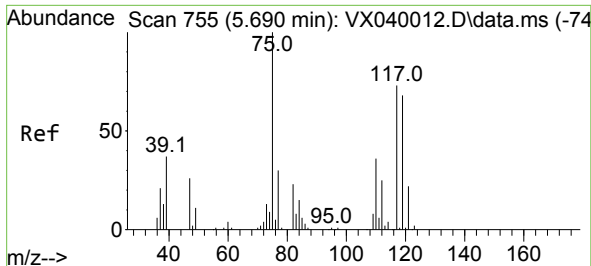
Tgt Ion:114 Resp: 154106
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.114 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion:113 Resp: 49425
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 16.7 13.3 19.9

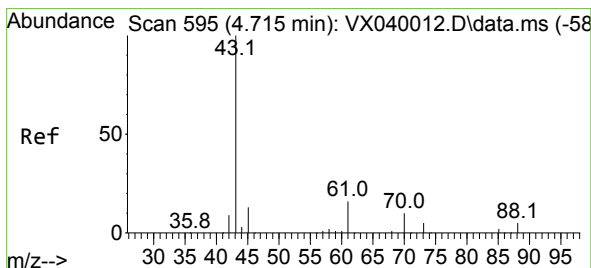
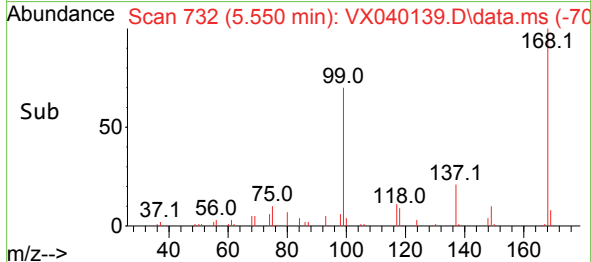
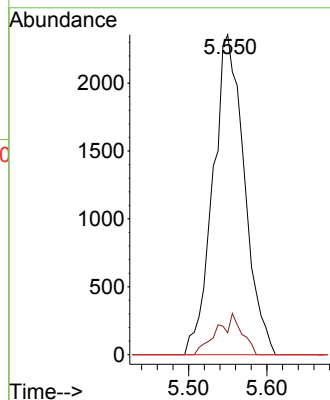
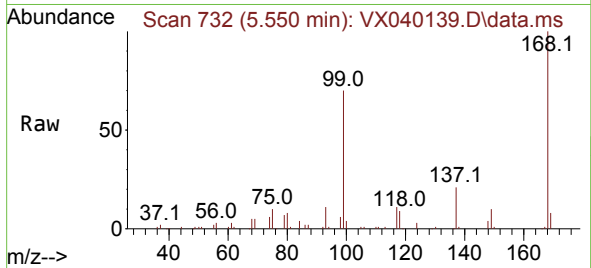




#36
1,1-Dichloropropene
Concen: 4.322 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

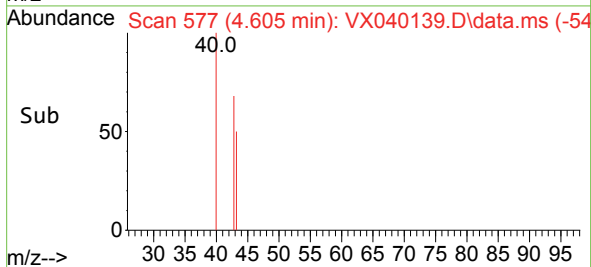
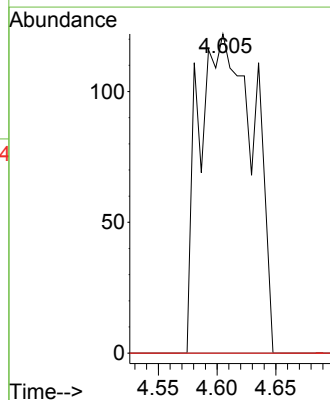
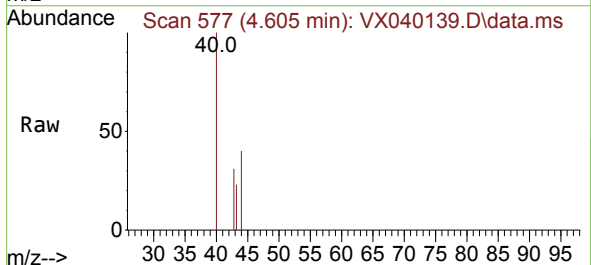
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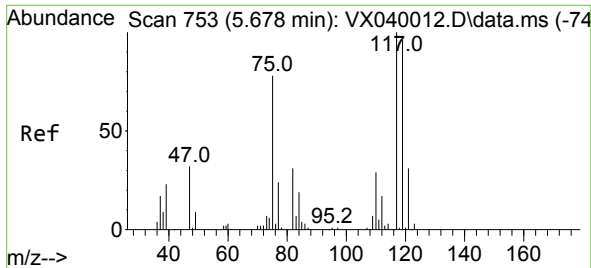
Tgt Ion: 75 Resp: 6558
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.239 ug/l
RT: 4.605 min Scan# 577
Delta R.T. -0.110 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

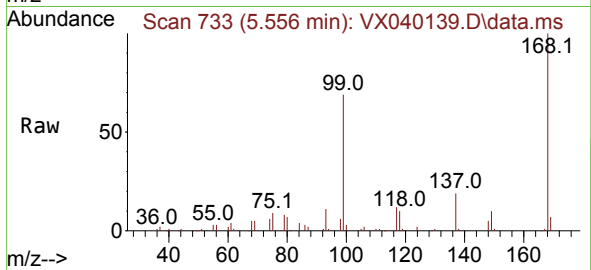
Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



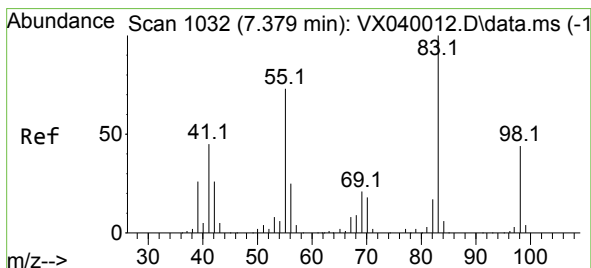
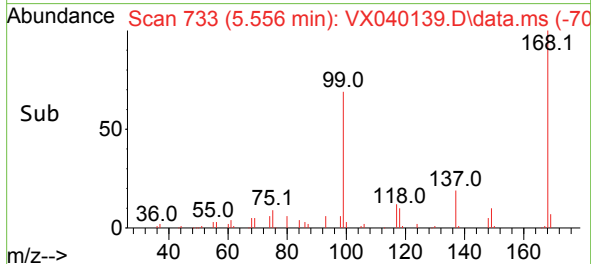
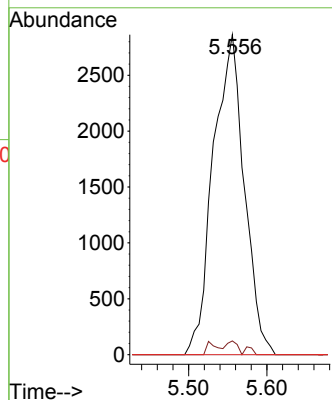


#38
Carbon Tetrachloride
Concen: 5.420 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Instrument :
MSVOA_X
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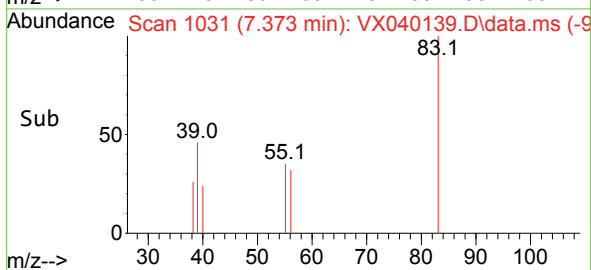
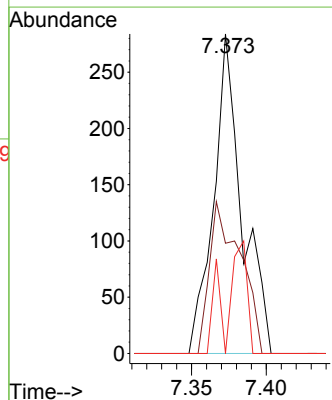
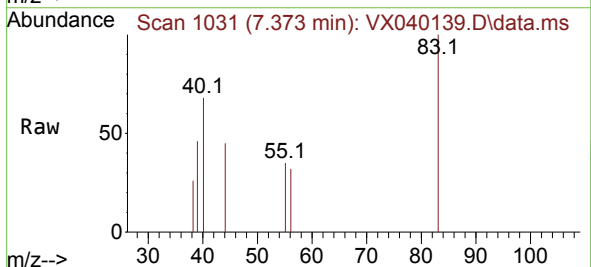


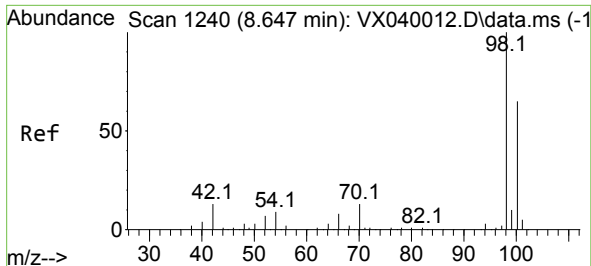
Tgt Ion:117 Resp: 7868
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.202 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 83 Resp: 372
Ion Ratio Lower Upper
83 100
55 34.5 64.6 97.0#
98 0.0 36.7 55.1#

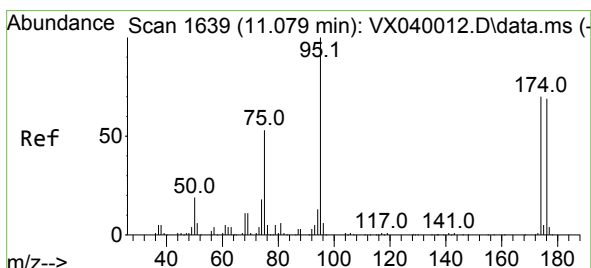
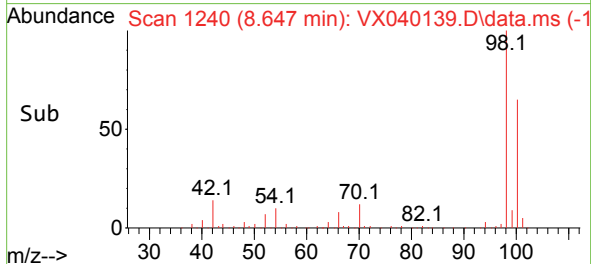
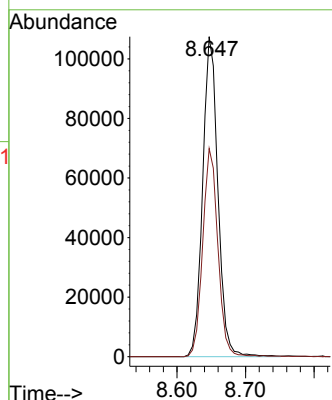
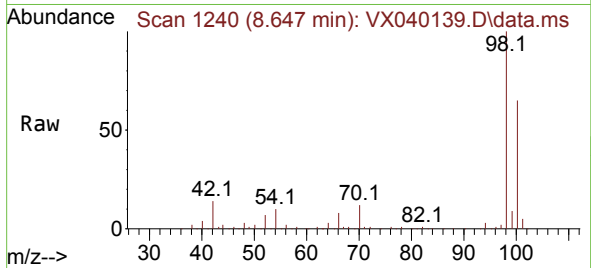




#50
Toluene-d8
Concen: 42.425 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

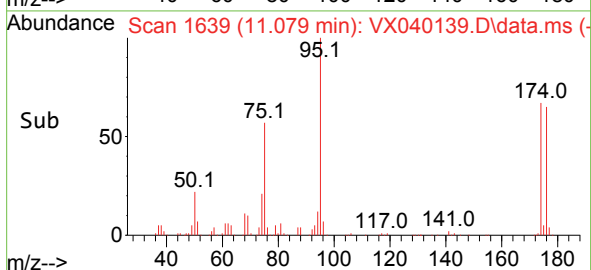
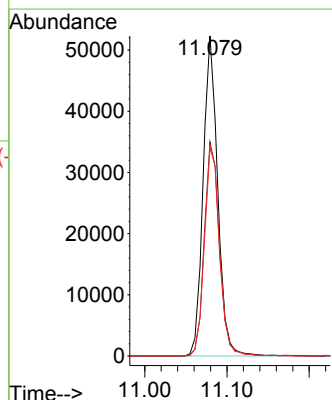
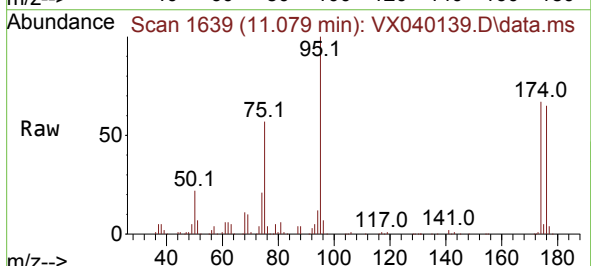
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202

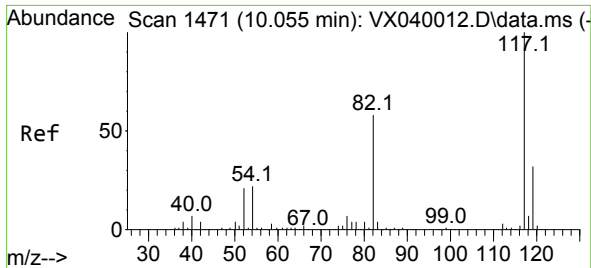
Tgt Ion: 98 Resp: 166439
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 42.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 95 Resp: 64376
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.6
176 67.3 0.0 131.0

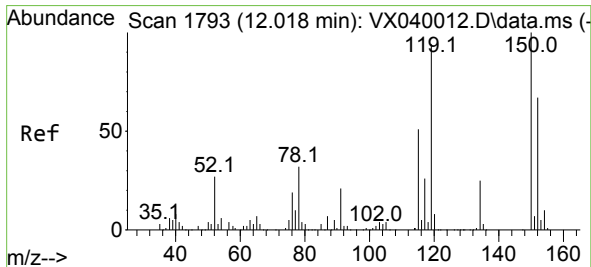
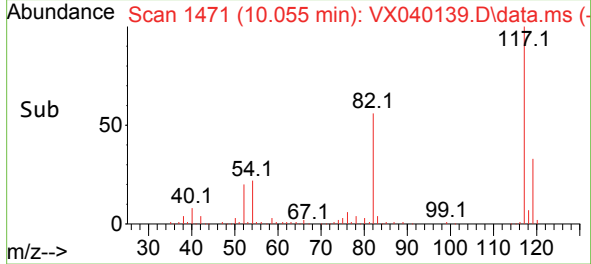
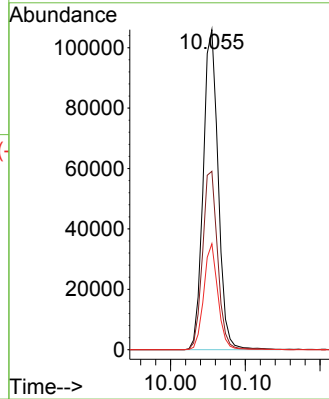
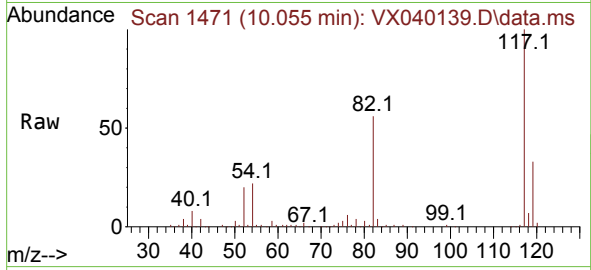




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

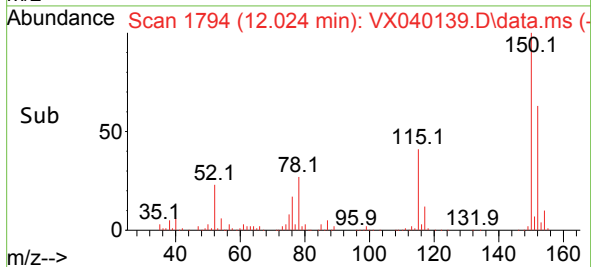
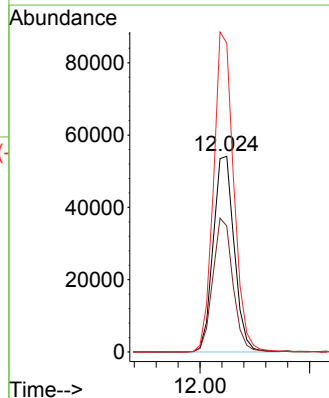
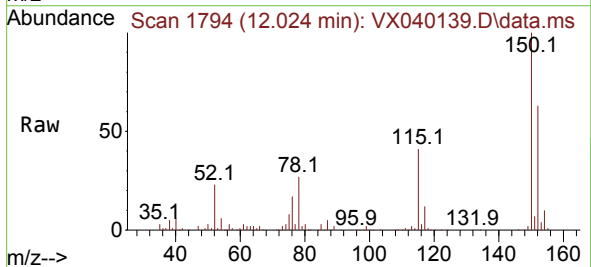
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202

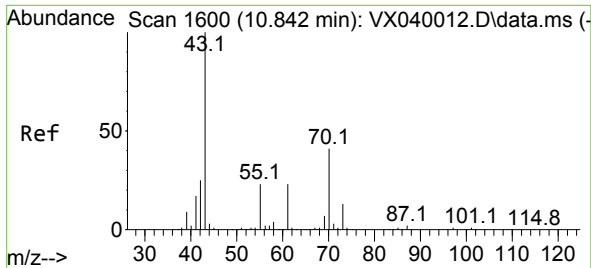
Tgt Ion:117 Resp: 147498
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion:152 Resp: 72162
Ion Ratio Lower Upper
152 100
115 65.5 43.3 129.9
150 157.7 0.0 345.0

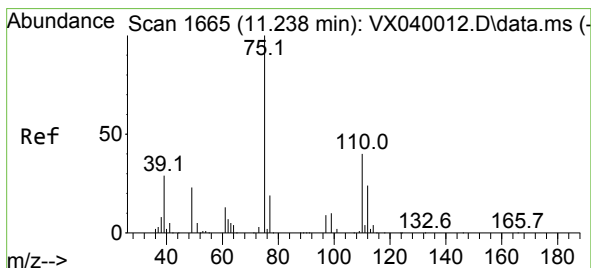
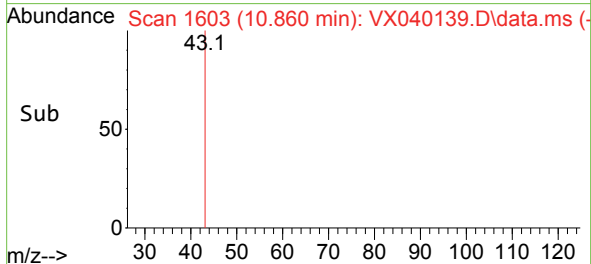
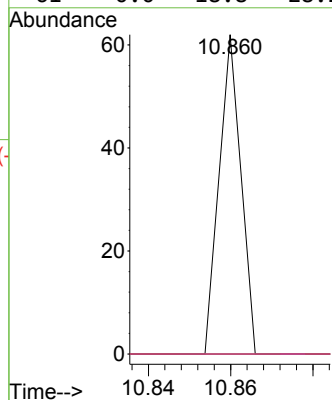
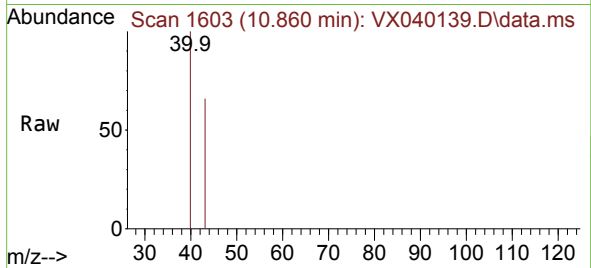




#74
N-amy1 acetate
Concen: 0.208 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

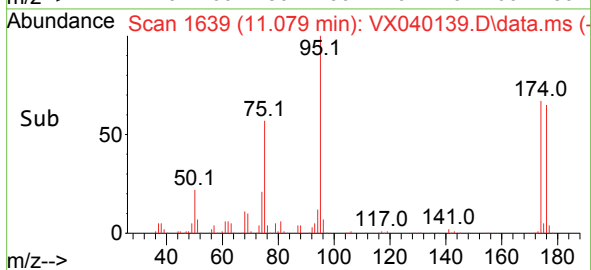
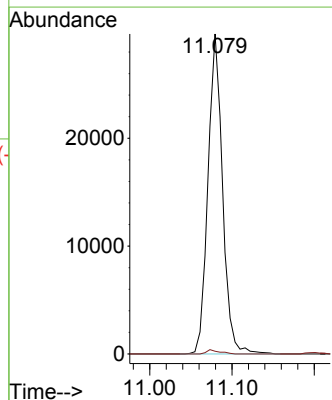
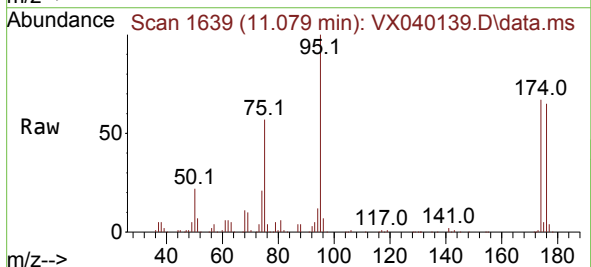
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202

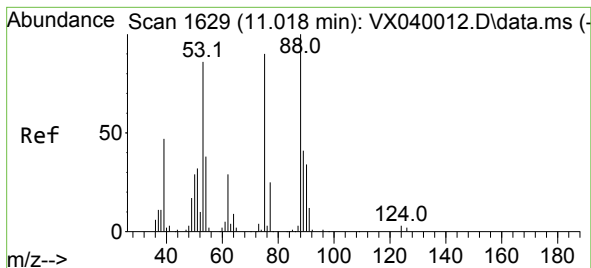
Tgt Ion:	43	Resp:	23
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	0.0	19.3	28.9#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 23.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion:	75	Resp:	36538
Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#

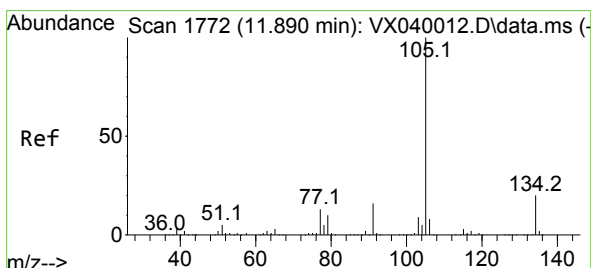
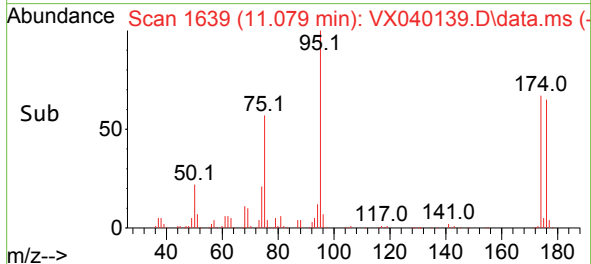
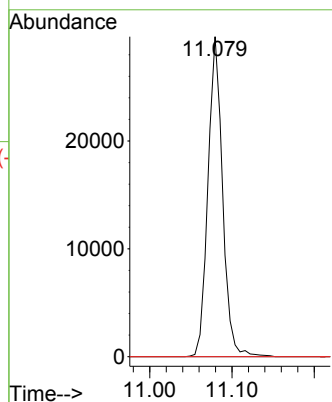
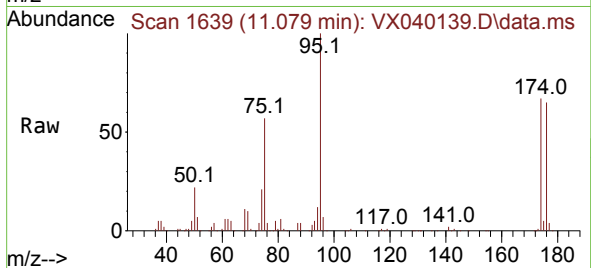




#81
trans-1,4-Dichloro-2-butene
Concen: 70.866 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

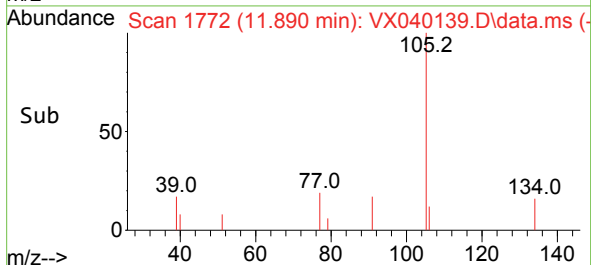
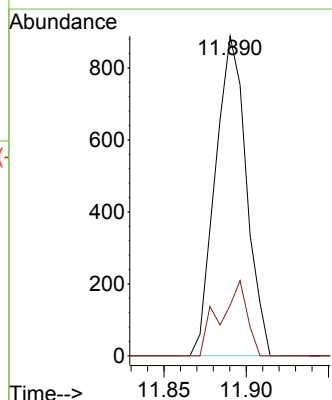
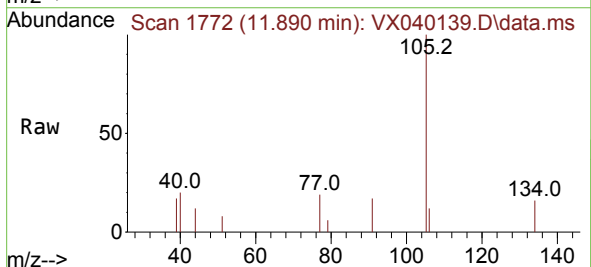
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202

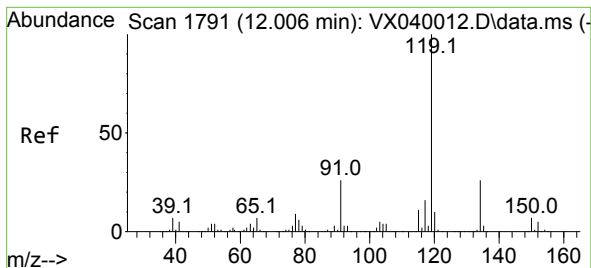
Tgt Ion: 75 Resp: 36538
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#85
sec-Butylbenzene
Concen: 0.207 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX040139.D
Acq: 06 Feb 2024 15:16

Tgt Ion: 105 Resp: 1168
Ion Ratio Lower Upper
105 100
134 20.4 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.209 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040139.D

Acq: 06 Feb 2024 15:16

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-DUP-20240202

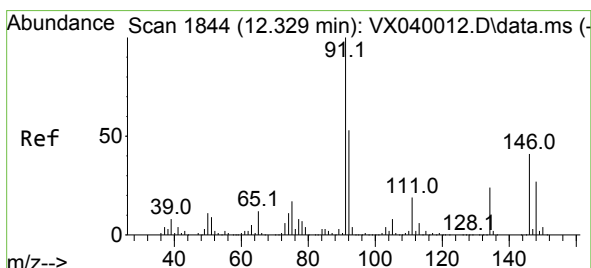
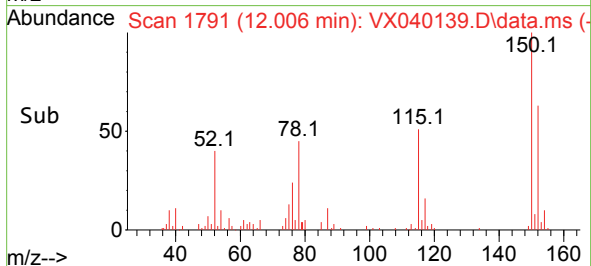
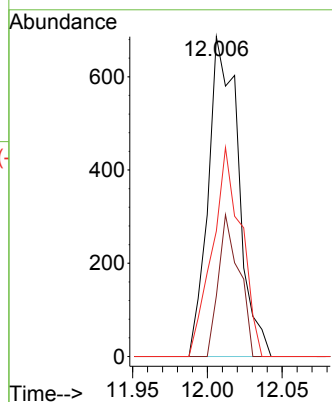
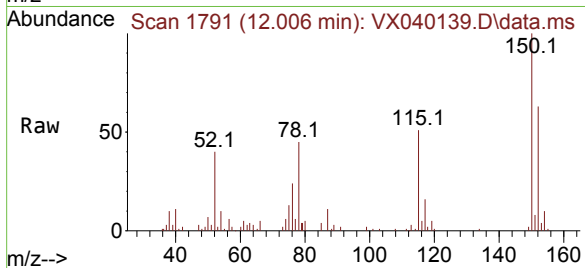
Tgt Ion:119 Resp: 962

Ion Ratio Lower Upper

119 100

134 30.5 12.8 38.3

91 62.6 13.1 39.3#



#89

n-Butylbenzene

Concen: 0.328 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040139.D

Acq: 06 Feb 2024 15:16

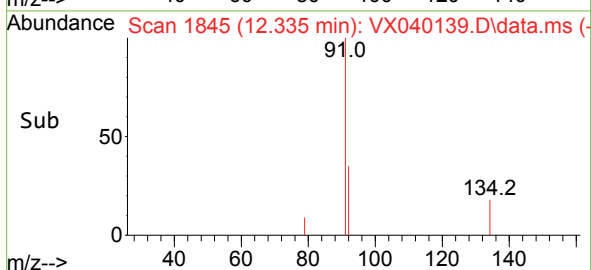
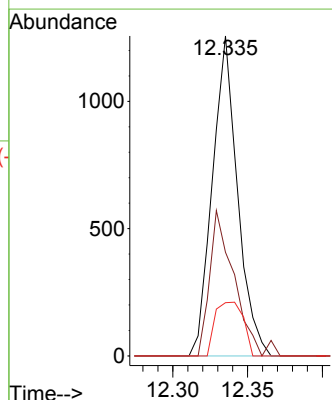
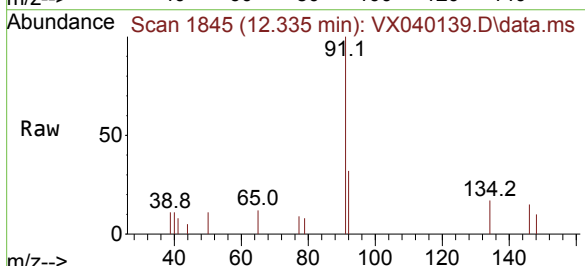
Tgt Ion: 91 Resp: 1469

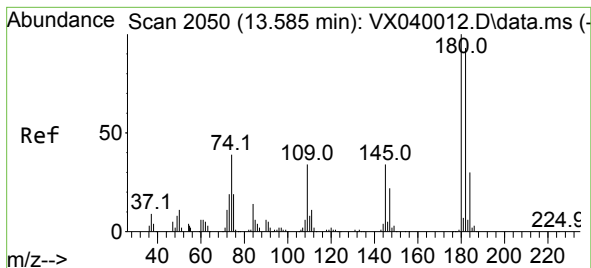
Ion Ratio Lower Upper

91 100

92 44.8 27.4 82.0

134 18.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.369 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX040139.D

Acq: 06 Feb 2024 15:16

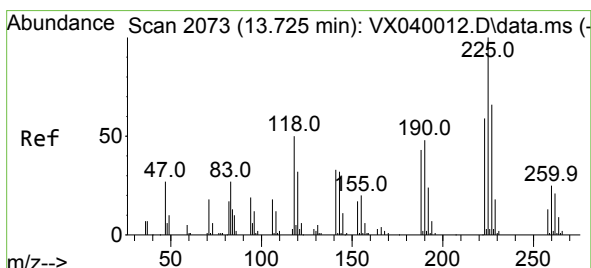
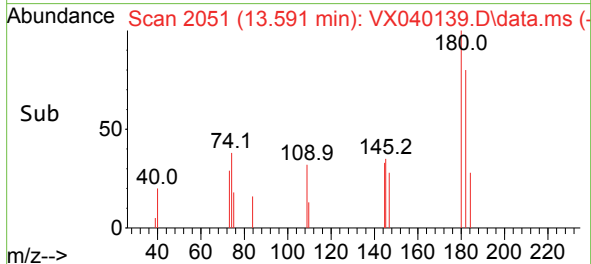
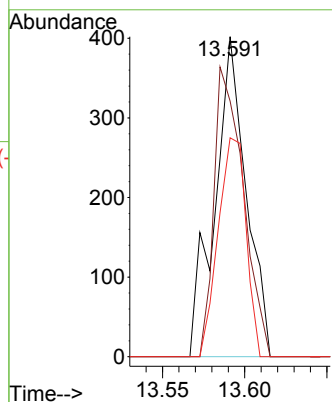
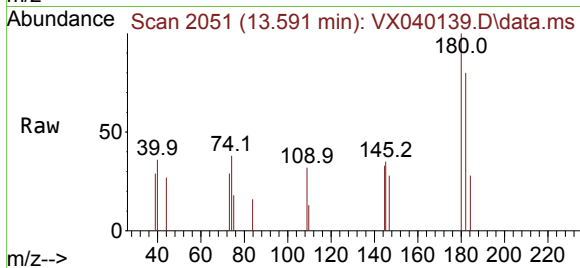
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-DUP-20240202

Tgt Ion:180	Resp:	536
Ion Ratio	Lower	Upper
180	100	
182	83.8	48.3 144.8
145	60.4	18.0 54.0#



#94

Hexachlorobutadiene

Concen: 1.193 ug/l

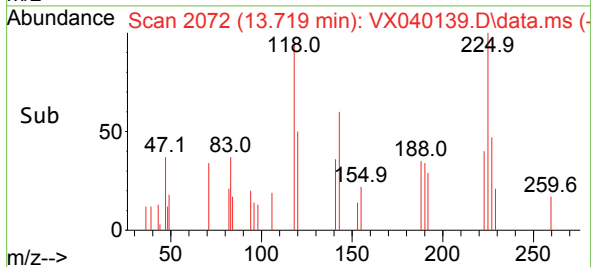
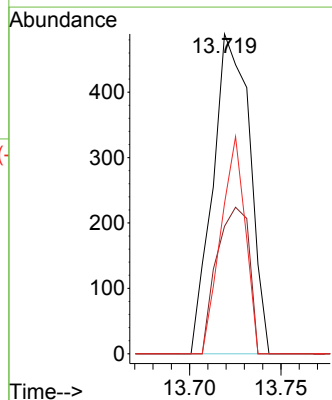
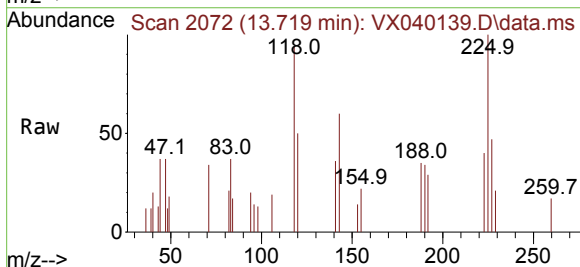
RT: 13.719 min Scan# 2072

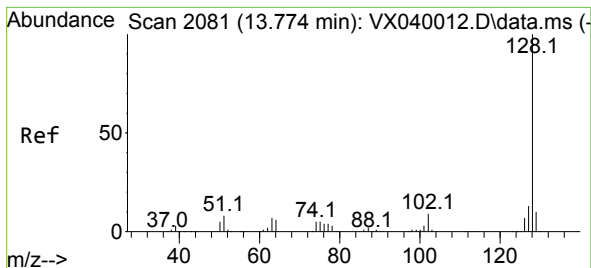
Delta R.T. -0.006 min

Lab File: VX040139.D

Acq: 06 Feb 2024 15:16

Tgt Ion:225	Resp:	683
Ion Ratio	Lower	Upper
225	100	
223	40.4	31.1 93.2
227	45.1	32.5 97.5





#95

Naphthalene

Concen: 0.381 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040139.D

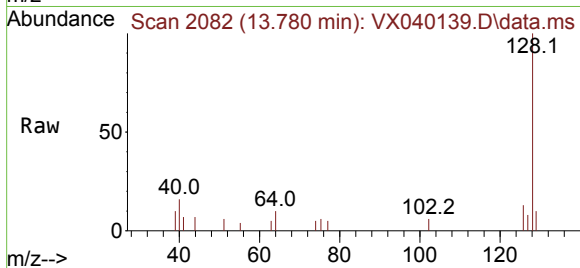
Acq: 06 Feb 2024 15:16

Instrument :

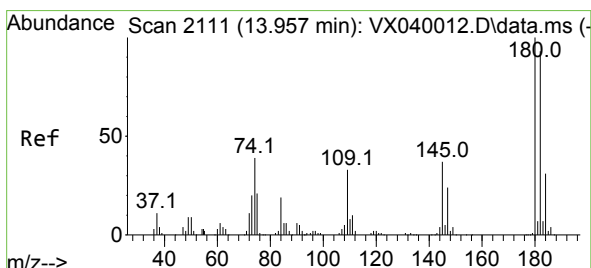
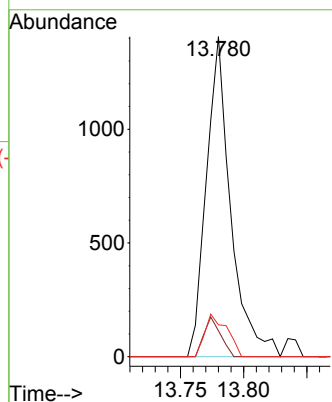
MSVOA_X

ClientSampleId :

BP-VPB-195-DUP-20240202



Tgt Ion:	128	Resp:	1883
Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.3	15.5#
129	12.1	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.404 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX040139.D

Acq: 06 Feb 2024 15:16

Tgt Ion:	180	Resp:	581
Ion	Ratio	Lower	Upper
180	100		
182	76.1	46.9	140.6
145	43.9	17.8	53.5

