

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020624\
 Data File : VX040143.D
 Acq On : 06 Feb 2024 16:46
 Operator : JC/MD
 Sample : P1376-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 07 00:38:17 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	5.556	168	78590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	111798	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73703	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57970	45.833	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.660%
35) Dibromofluoromethane	5.379	113	41268	54.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.460%
50) Toluene-d8	8.647	98	133842	47.026	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.060%
62) 4-Bromofluorobenzene	11.079	95	73988	67.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	135.020%#

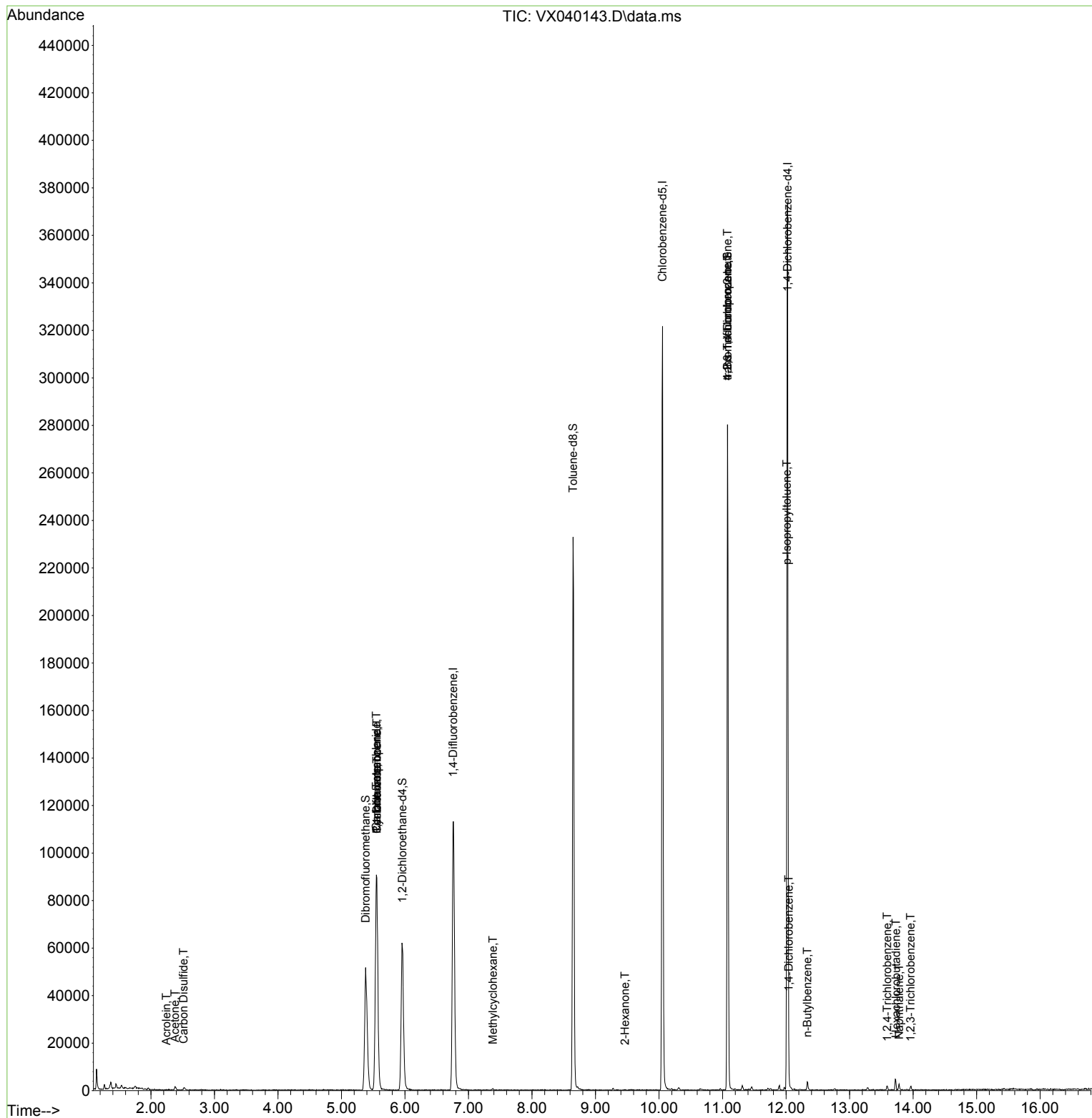
Target Compounds			Qvalue			
13) Acrolein	2.239	56	57	0.259	ug/l #	14
16) Acetone	2.380	43	1416	2.389	ug/l #	76
17) Carbon Disulfide	2.514	76	814	0.315	ug/l #	76
31) Cyclohexane	5.556	56	1918	1.211	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	7283	6.617	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8312	7.893	ug/l #	15
39) Methylcyclohexane	7.385	83	297	0.222	ug/l #	56
59) 2-Hexanone	9.464	43	243	0.236	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	38442	24.493	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	38442	72.658	ug/l #	5
86) p-Isopropyltoluene	12.012	119	976	0.207	ug/l #	60
88) 1,4-Dichlorobenzene	12.042	146	660	0.262	ug/l #	43
89) n-Butylbenzene	12.335	91	1564	0.342	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	562	0.379	ug/l	94
94) Hexachlorobutadiene	13.731	225	687	1.175	ug/l	98
95) Naphthalene	13.780	128	1768	0.351	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	446	0.304	ug/l	77

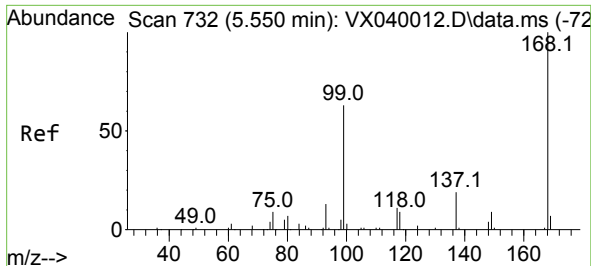
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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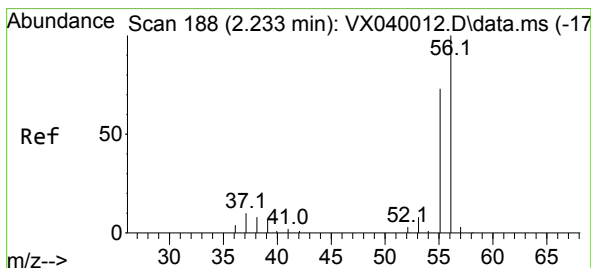
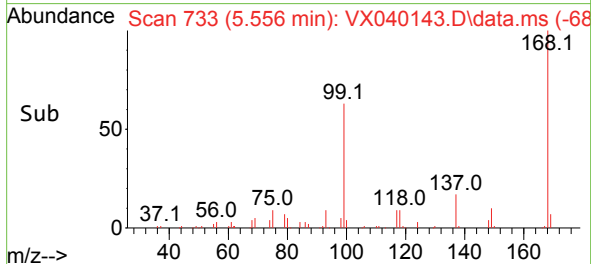
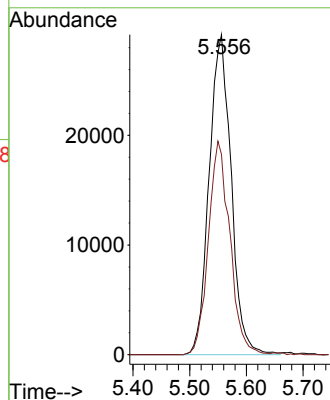
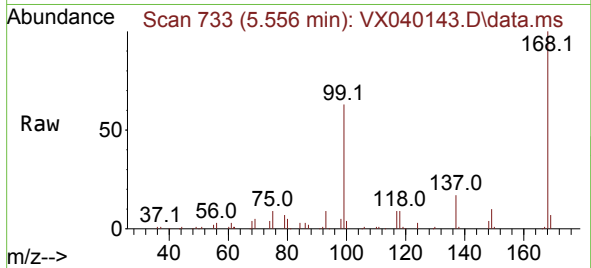




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

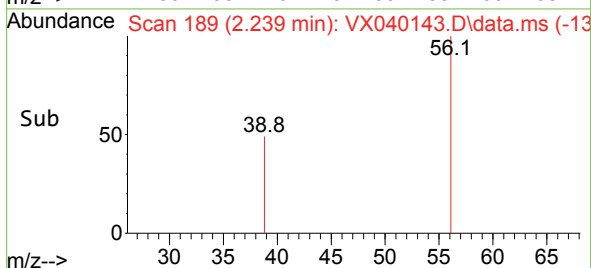
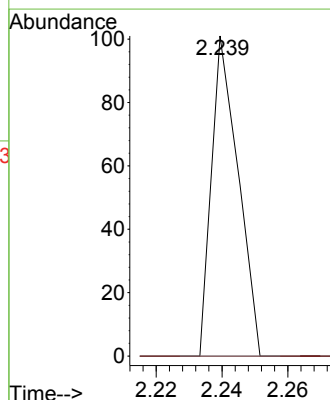
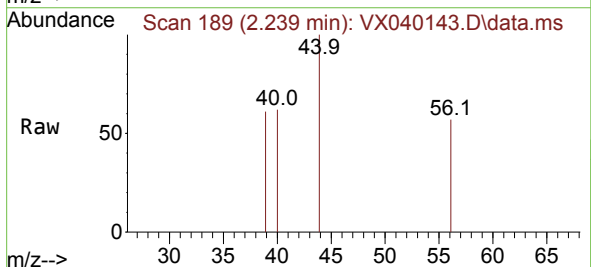
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202RE

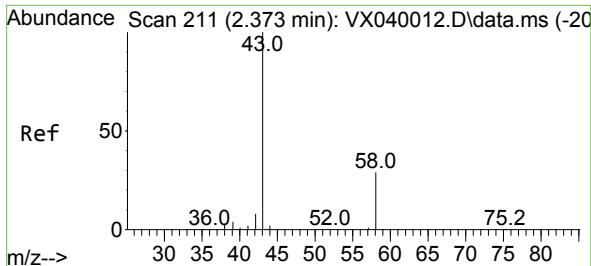
Tgt Ion:168 Resp: 78590
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#13
Acrolein
Concen: 0.259 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

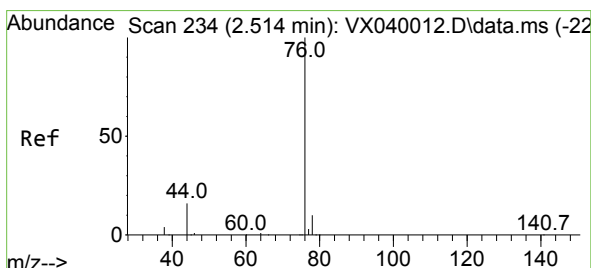
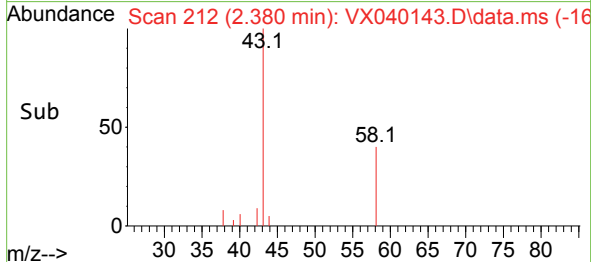
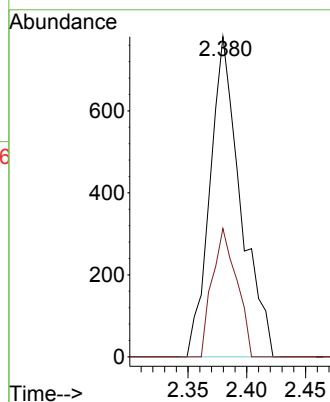
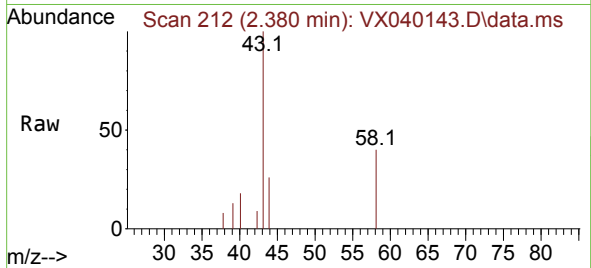




#16
Acetone
Concen: 2.389 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

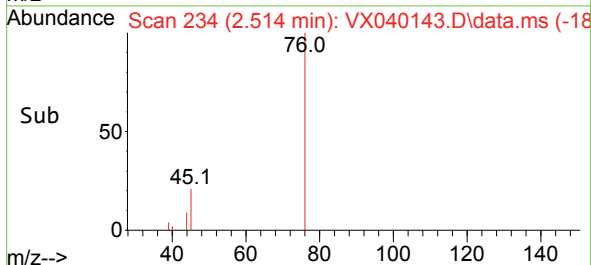
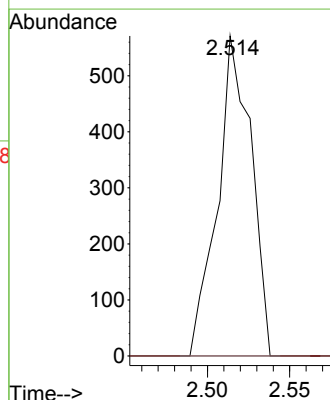
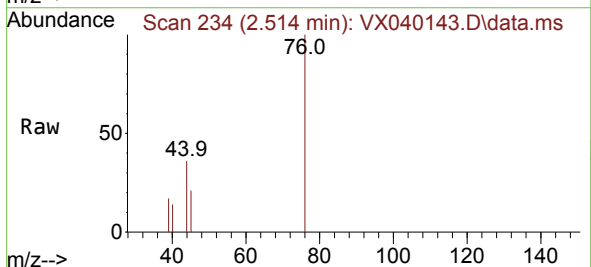
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202RE

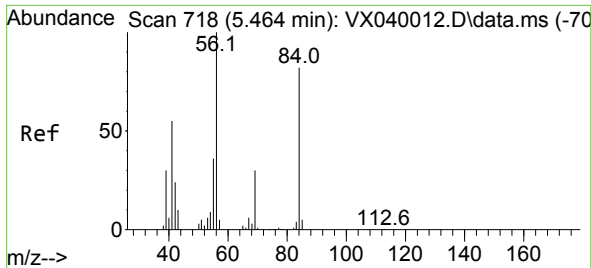
Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
58 40.1 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.315 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion: 76 Resp: 814
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

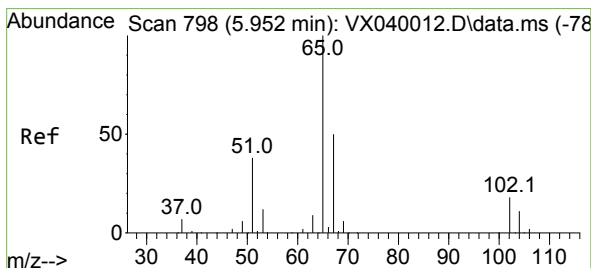
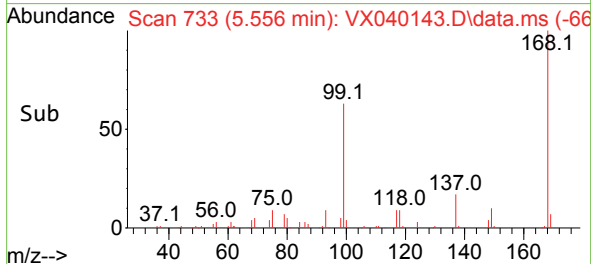
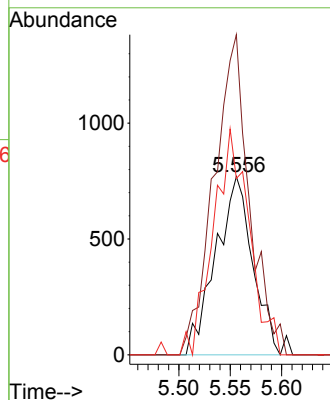
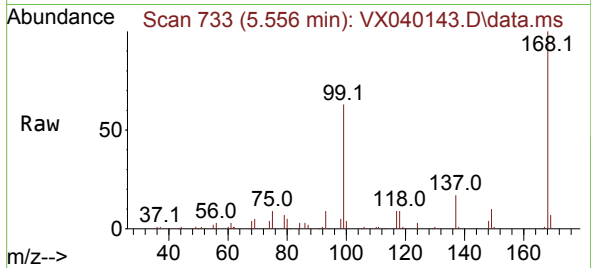




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

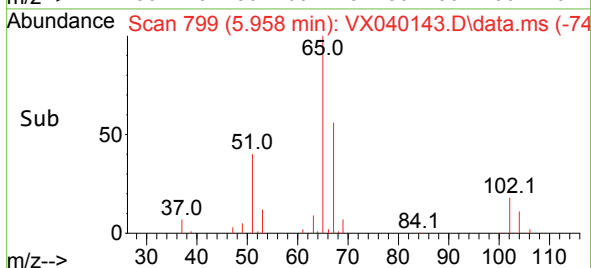
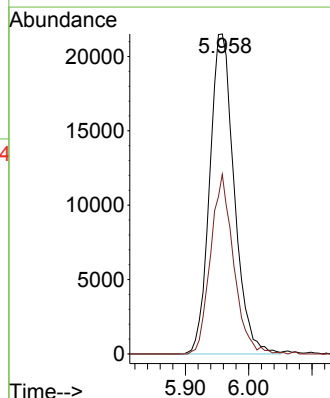
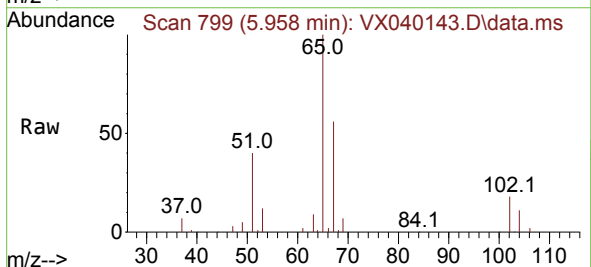
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202RE

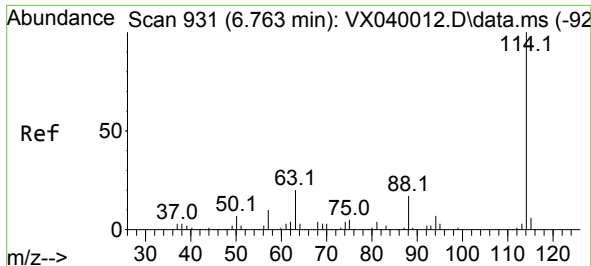
Tgt Ion: 56 Resp: 1918
Ion Ratio Lower Upper
56 100
69 179.7 23.4 35.2#
84 99.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.833 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion: 65 Resp: 57970
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

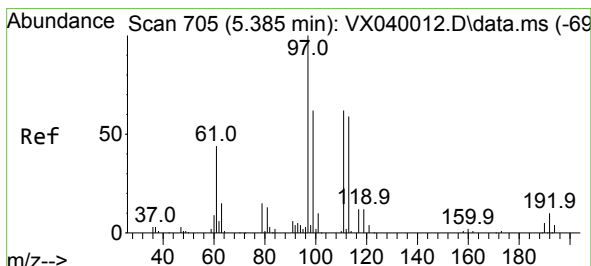
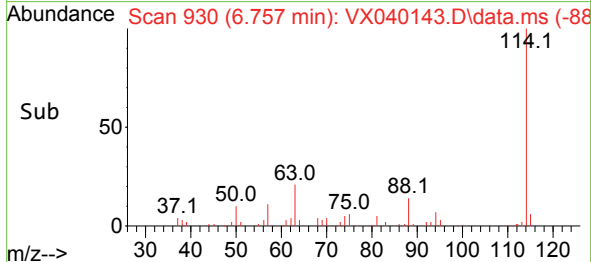
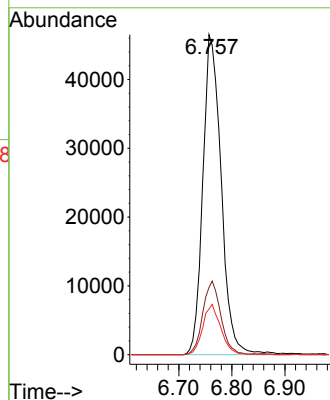
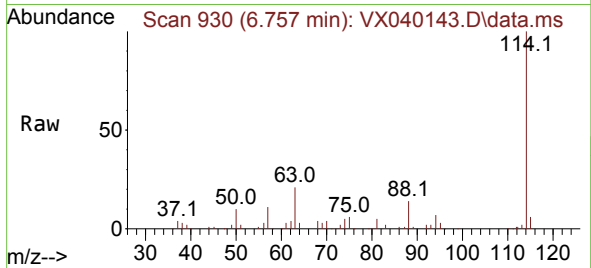




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

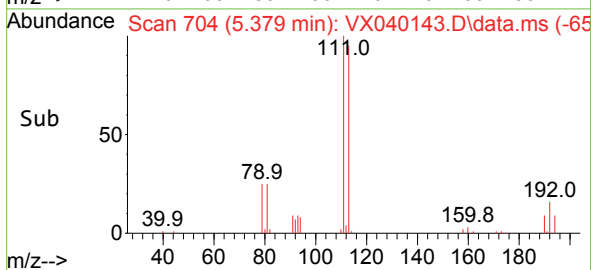
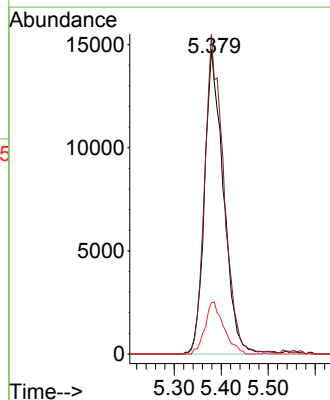
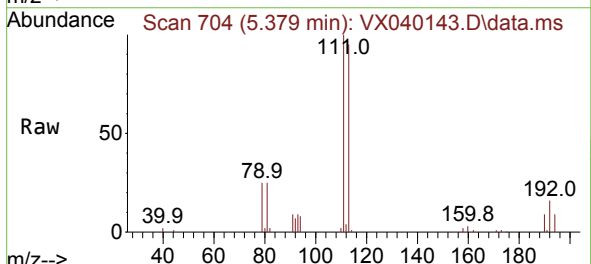
Instrument :
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ClientSampleId :
BP-VPB-195-DUP-20240202RE

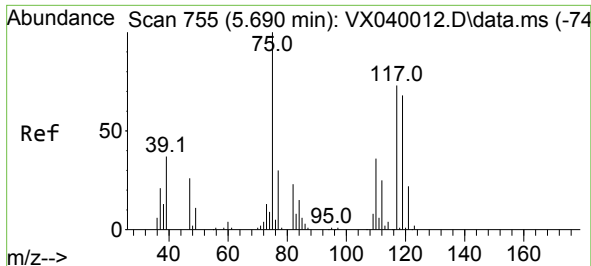
Tgt Ion:114 Resp: 111798
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 54.225 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion:113 Resp: 41268
Ion Ratio Lower Upper
113 100
111 104.9 82.9 124.3
192 17.0 13.3 19.9

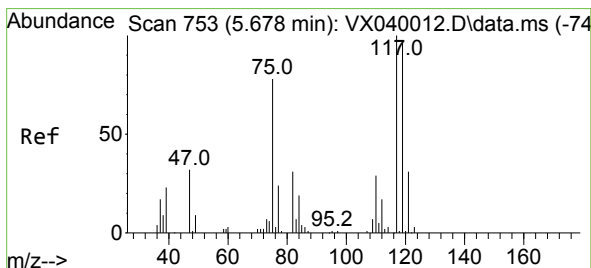
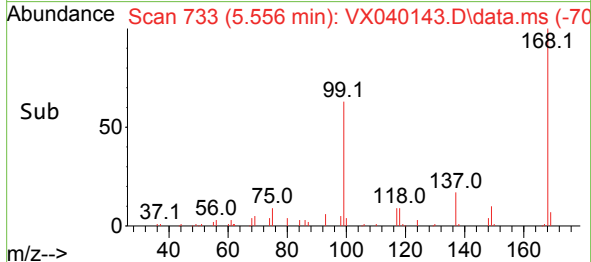
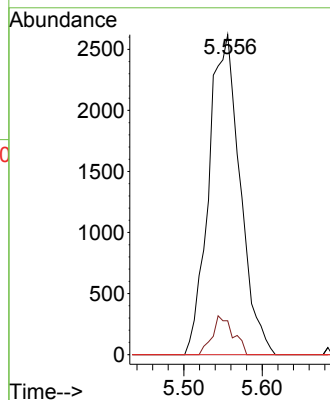
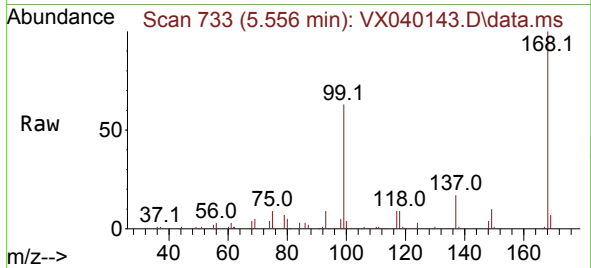




#36
1,1-Dichloropropene
Concen: 6.617 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

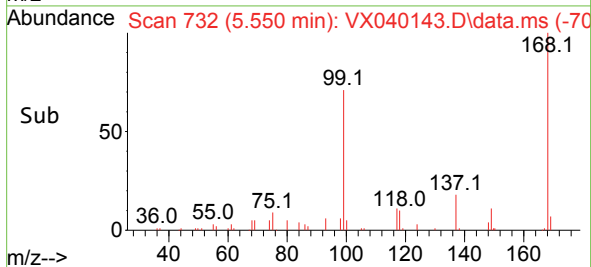
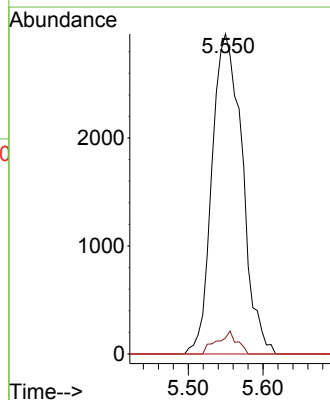
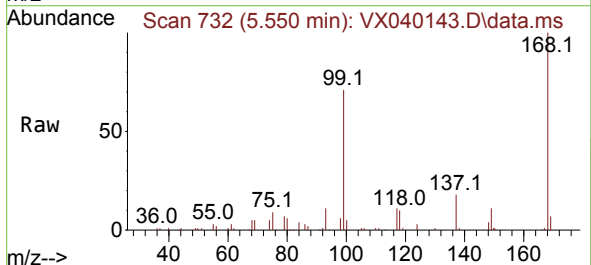
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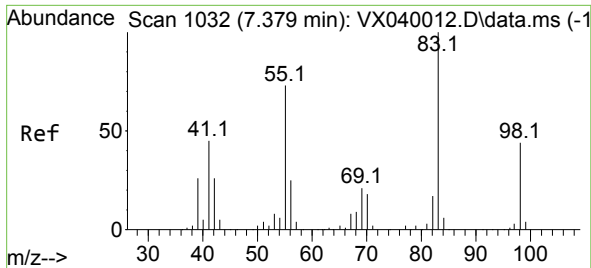
Tgt Ion: 75 Resp: 7283
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.893 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion: 117 Resp: 8312
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.222 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-DUP-20240202RE

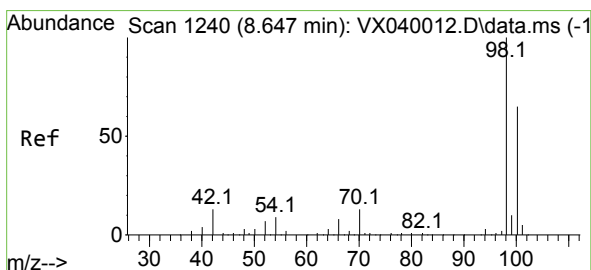
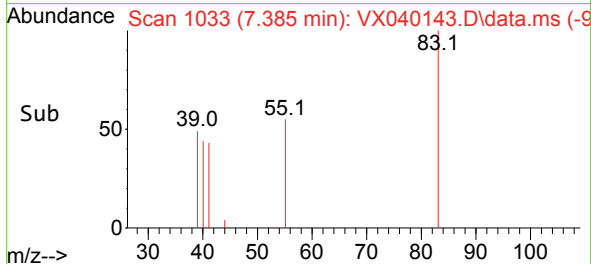
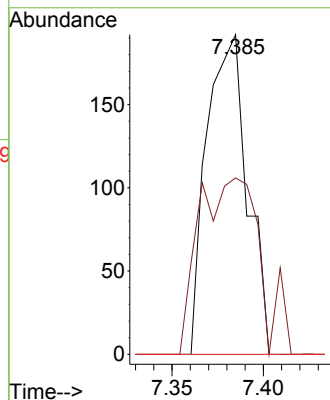
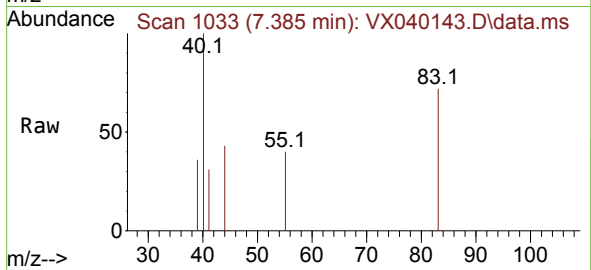
Tgt Ion: 83 Resp: 297

Ion Ratio Lower Upper

83 100

55 55.2 64.6 97.0#

98 0.0 36.7 55.1#



#50

Toluene-d8

Concen: 47.026 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040143.D

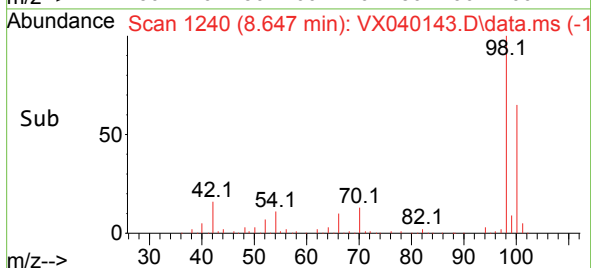
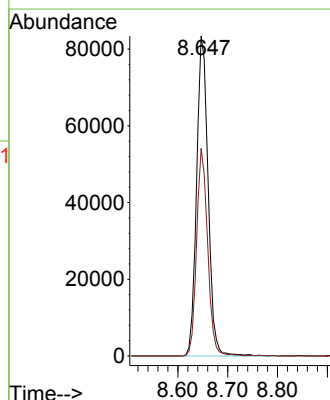
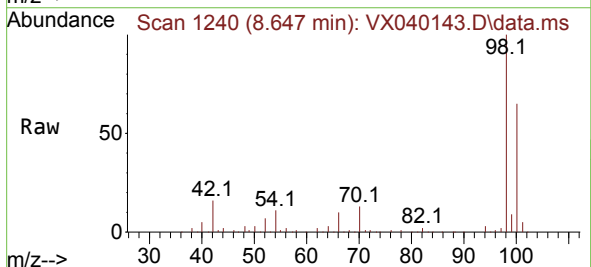
Acq: 06 Feb 2024 16:46

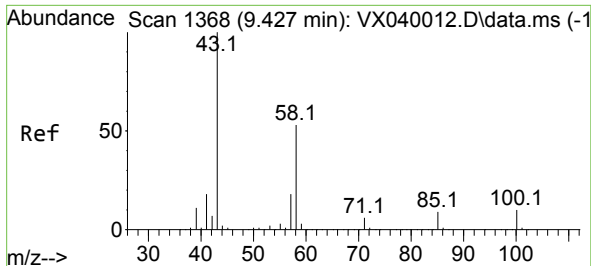
Tgt Ion: 98 Resp: 133842

Ion Ratio Lower Upper

98 100

100 62.1 53.1 79.7





#59

2-Hexanone

Concen: 0.236 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.037 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

Instrument :

MSVOA_X

ClientSampleId :

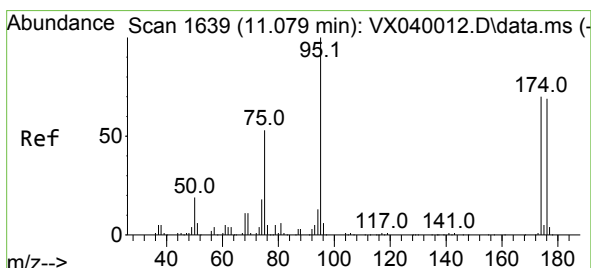
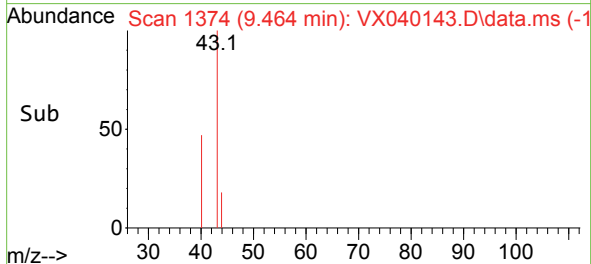
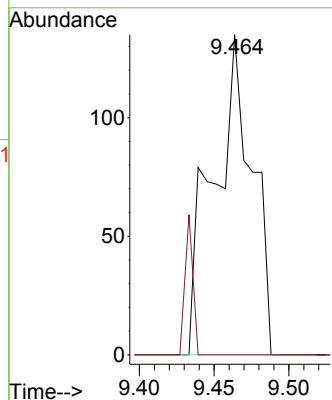
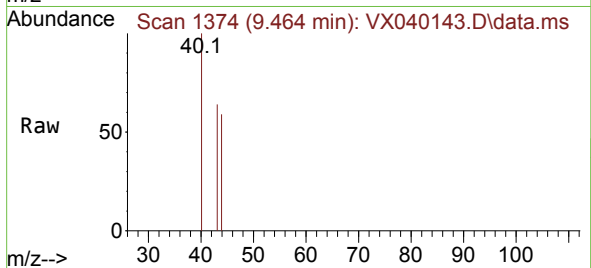
BP-VPB-195-DUP-20240202RE

Tgt Ion: 43 Resp: 243

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 67.513 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

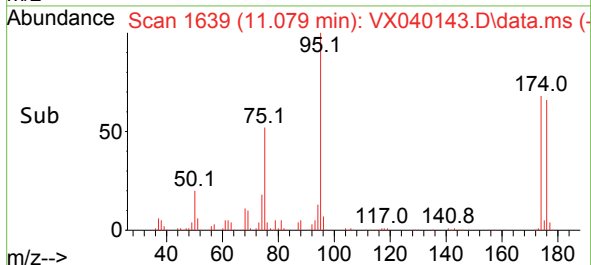
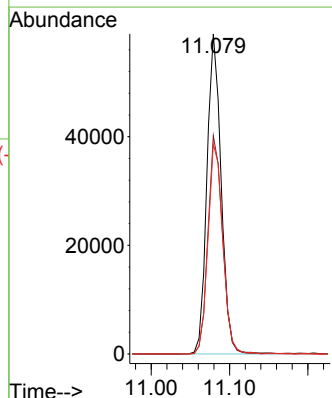
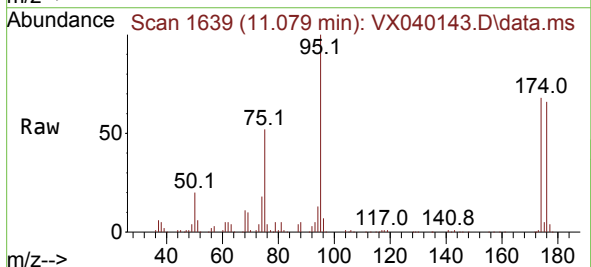
Tgt Ion: 95 Resp: 73988

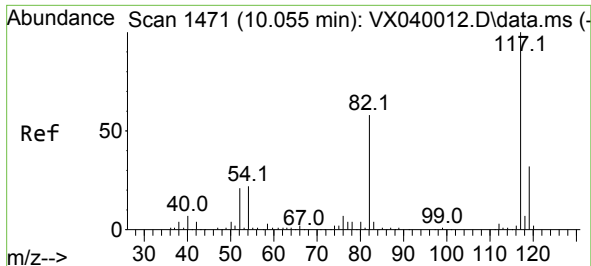
Ion Ratio Lower Upper

95 100

174 69.8 0.0 135.6

176 68.5 0.0 131.0

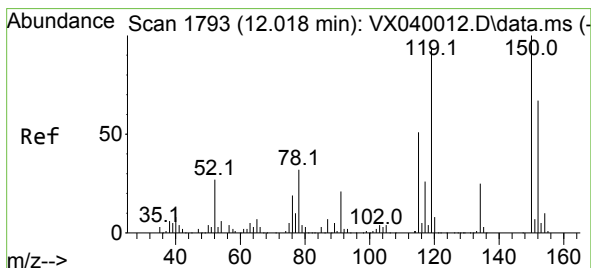
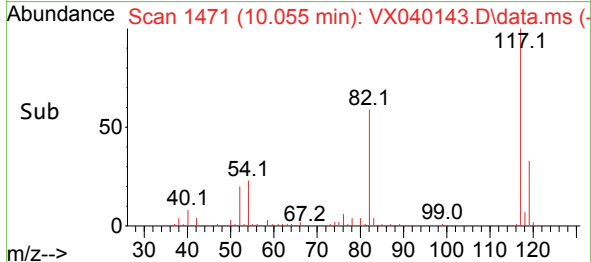
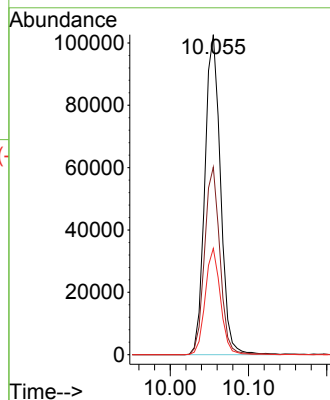
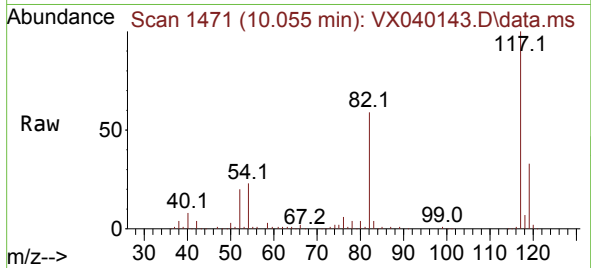




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

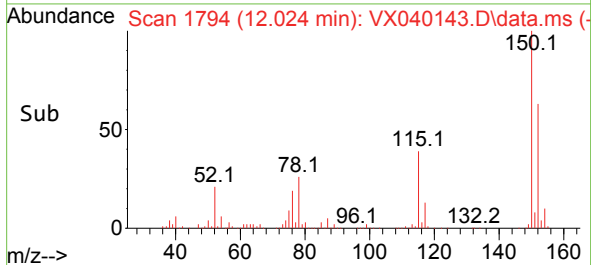
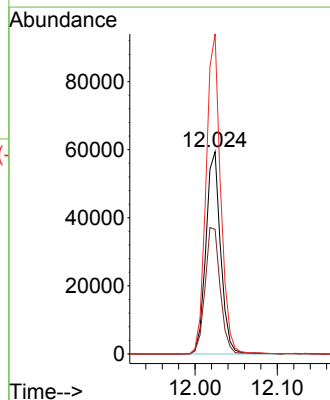
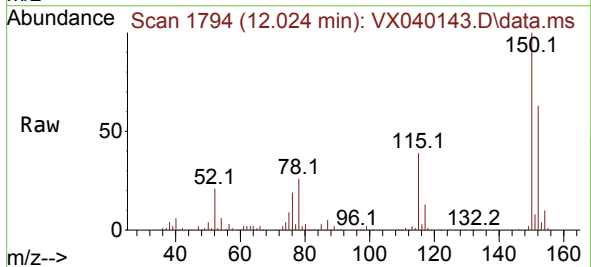
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202RE

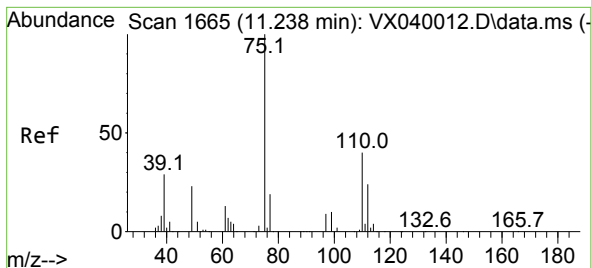
Tgt Ion:117 Resp: 142280
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion:152 Resp: 73703
Ion Ratio Lower Upper
152 100
115 64.6 43.3 129.9
150 157.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.493 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

Instrument :

MSVOA_X

ClientSampleId :

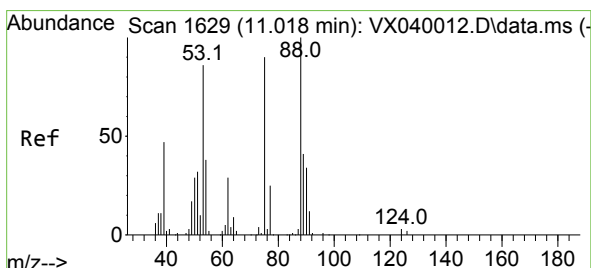
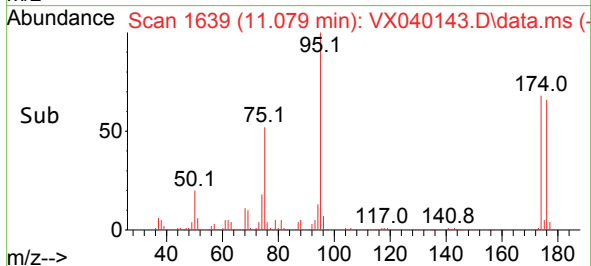
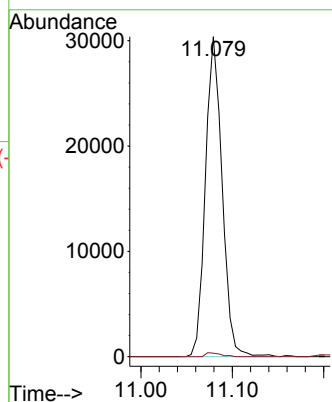
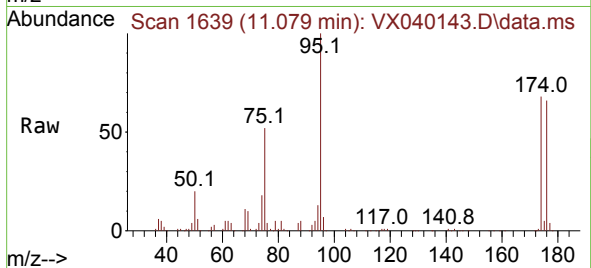
BP-VPB-195-DUP-20240202RE

Tgt Ion: 75 Resp: 38442

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

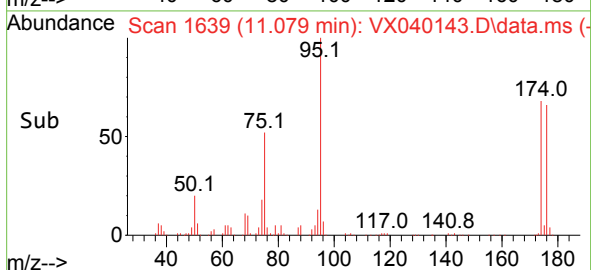
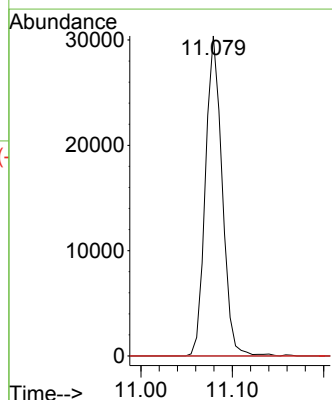
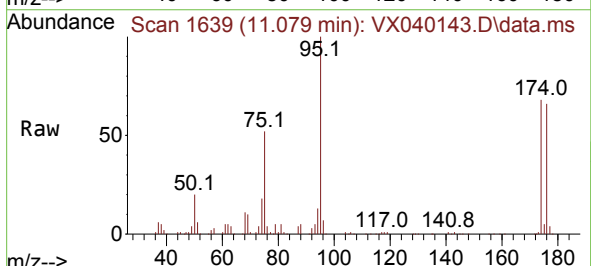
Tgt Ion: 75 Resp: 38442

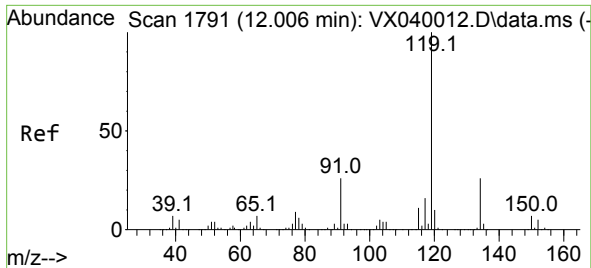
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

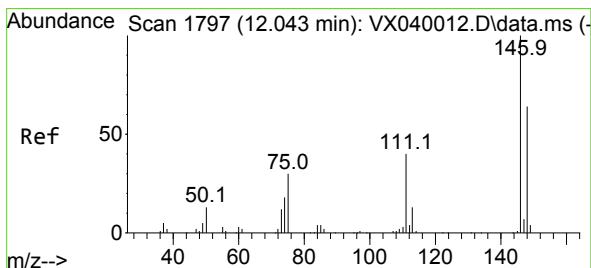
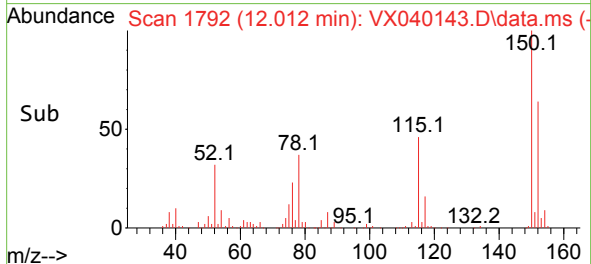
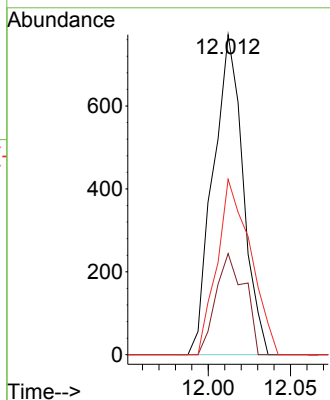
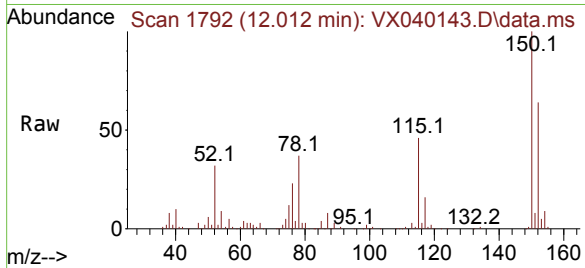




#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

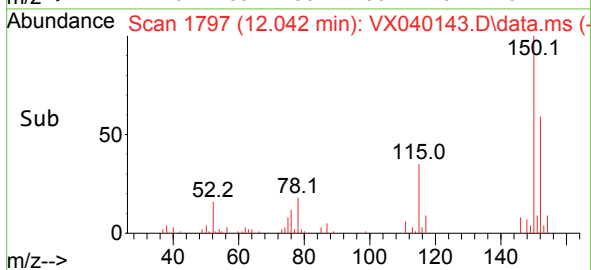
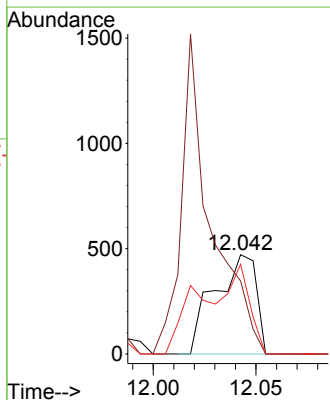
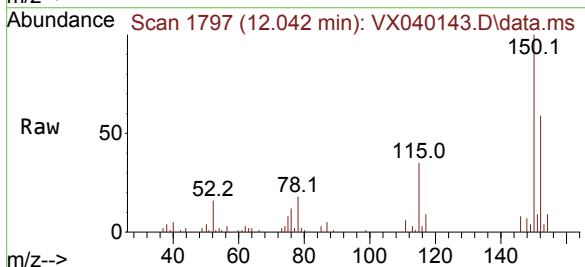
Instrument : MSVOA_X
ClientSampleId : BP-VPB-195-DUP-20240202RE

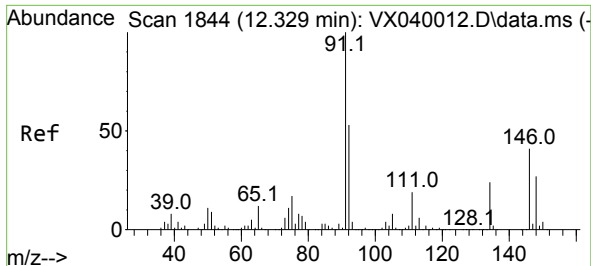
Tgt Ion:119 Resp: 976
Ion Ratio Lower Upper
119 100
134 30.4 12.8 38.3
91 61.4 13.1 39.3#



#88
1,4-Dichlorobenzene
Concen: 0.262 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

Tgt Ion:146 Resp: 660
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 102.6 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.342 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040143.D

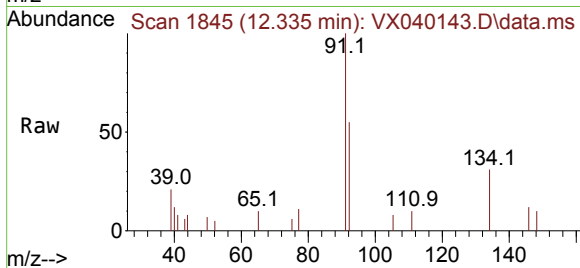
Acq: 06 Feb 2024 16:46

Instrument :

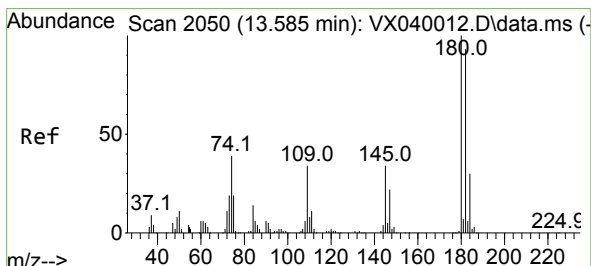
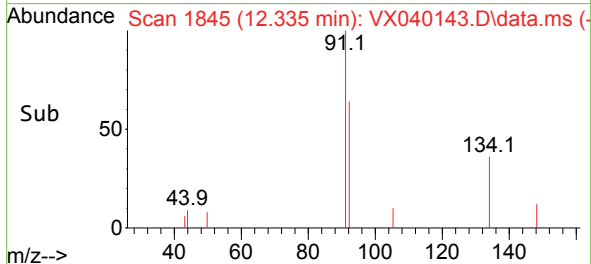
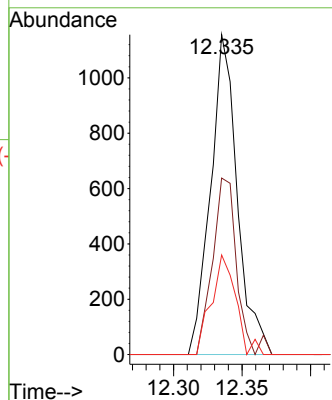
MSVOA_X

ClientSampleId :

BP-VPB-195-DUP-20240202RE



Tgt Ion: 91	Resp:	1564
Ion	Ratio	Lower Upper
91	100	
92	50.3	27.4 82.0
134	28.5	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.379 ug/l

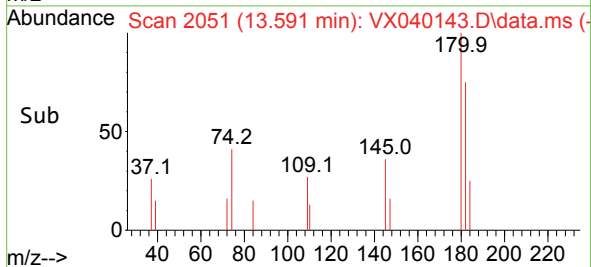
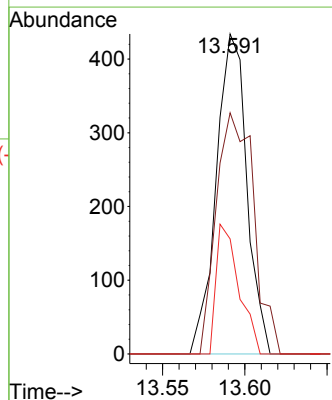
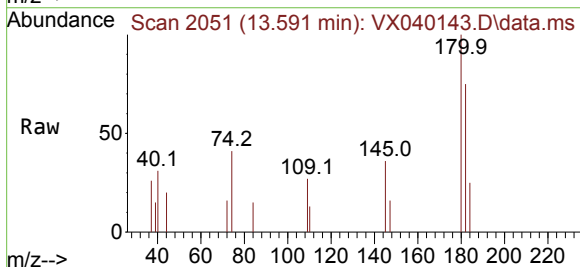
RT: 13.591 min Scan# 2051

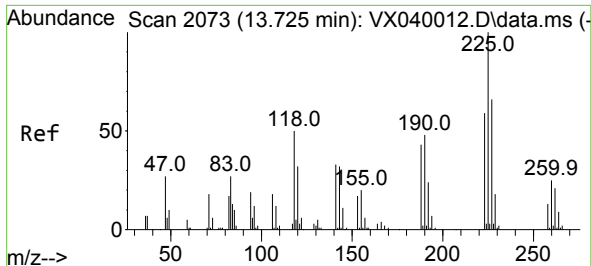
Delta R.T. 0.006 min

Lab File: VX040143.D

Acq: 06 Feb 2024 16:46

Tgt Ion: 180	Resp:	562
Ion	Ratio	Lower Upper
180	100	
182	92.0	48.3 144.8
145	29.9	18.0 54.0

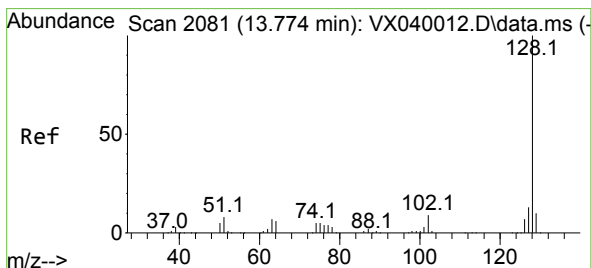
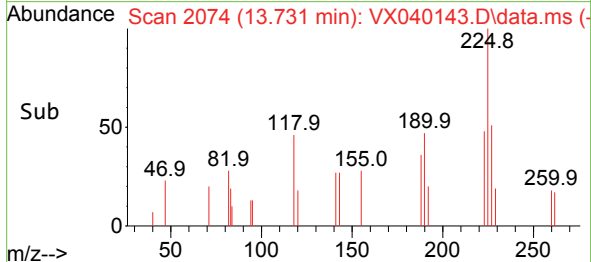
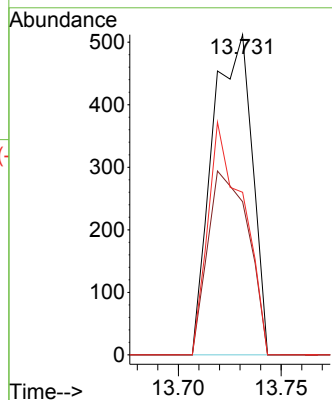
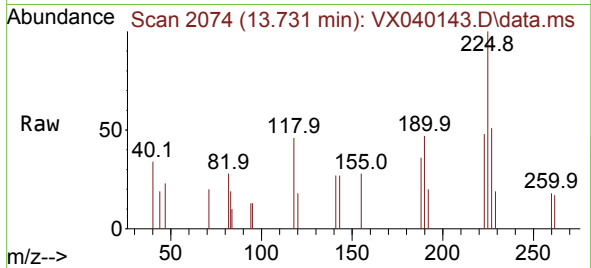




#94
Hexachlorobutadiene
Concen: 1.175 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

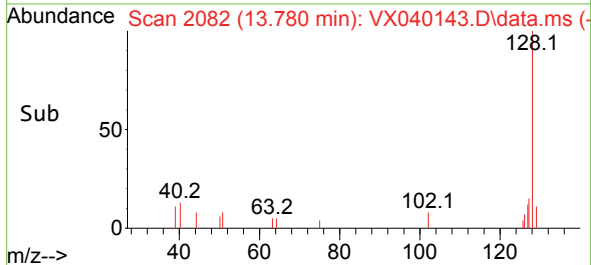
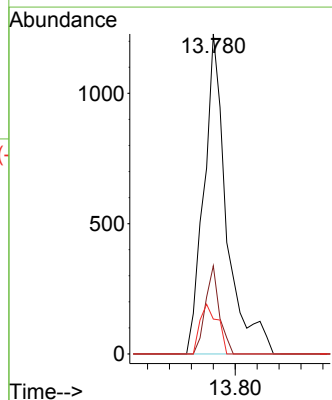
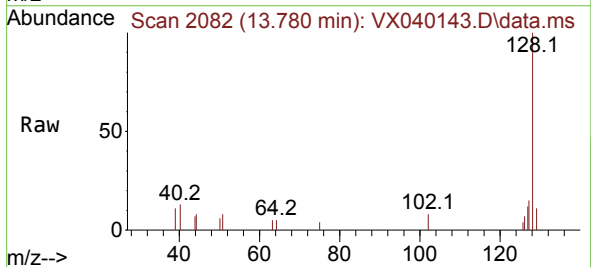
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-DUP-20240202RE

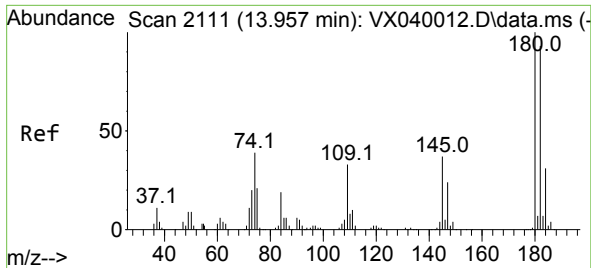
Tgt Ion:225 Resp: 687
Ion Ratio Lower Upper
225 100
223 58.5 31.1 93.2
227 64.8 32.5 97.5



#95
Naphthalene
Concen: 0.351 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040143.D
Acq: 06 Feb 2024 16:46

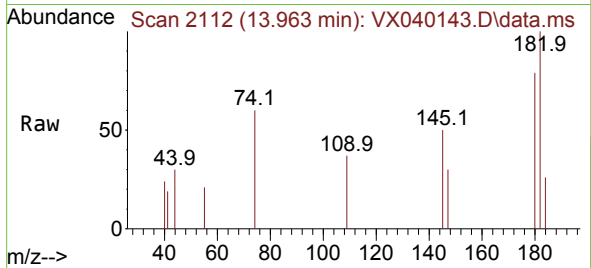
Tgt Ion:128 Resp: 1768
Ion Ratio Lower Upper
128 100
127 16.9 10.3 15.5#
129 12.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.304 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX040143.D
 Acq: 06 Feb 2024 16:46

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



Tgt Ion:180	Resp:	446
Ion	Ratio	Lower Upper
180	100	
182	118.6	46.9 140.6
145	45.3	17.8 53.5

