

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040195.D
 Acq On : 12 Feb 2024 13:32
 Operator : JC/MD
 Sample : P1439-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-195-GW-765-767

Quant Time: Feb 12 14:34:15 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)

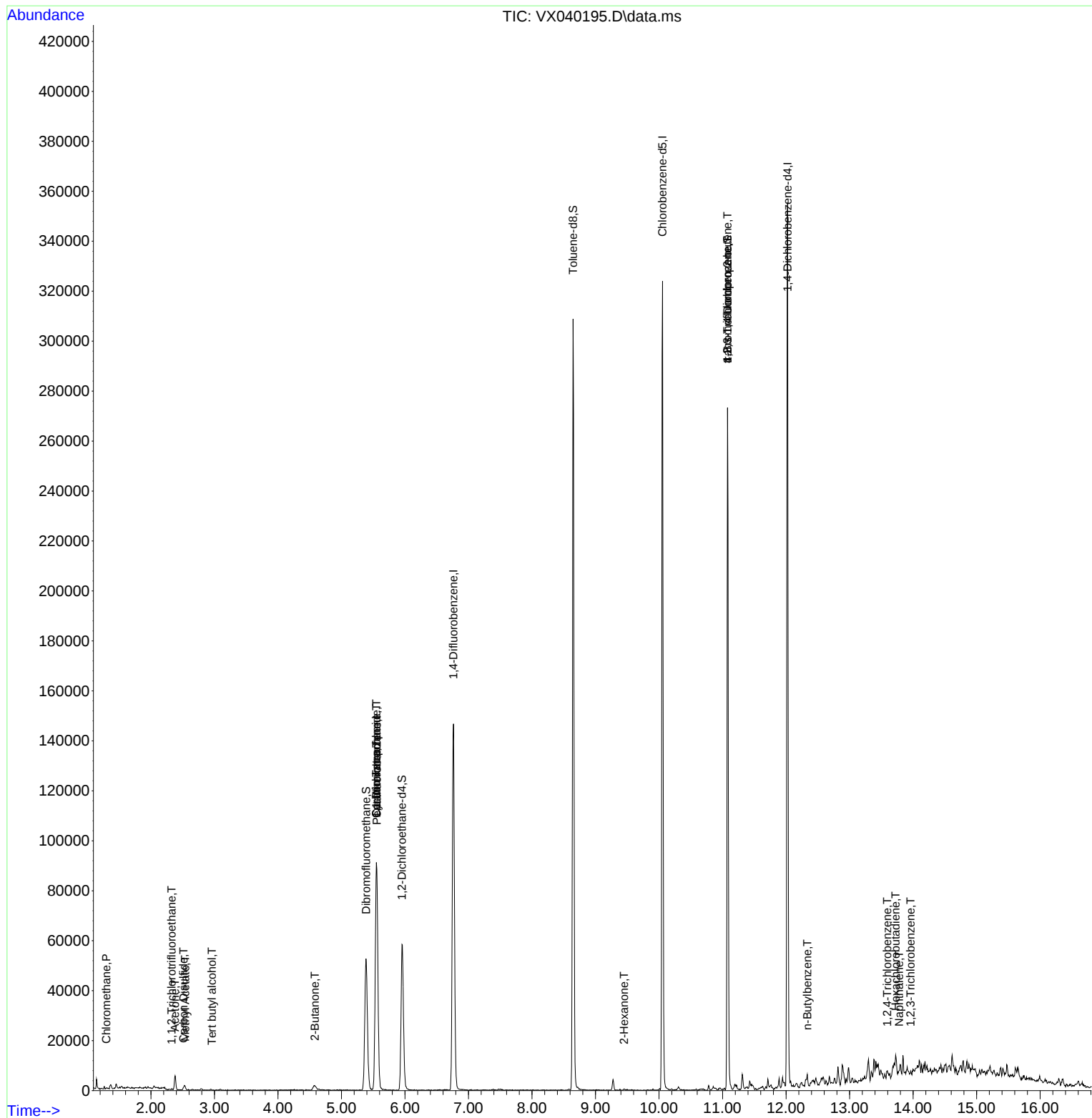
Internal Standards						
1) Pentafluorobenzene	5.556	168	88512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	149414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57422	43.607	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.220%
35) Dibromofluoromethane	5.385	113	45908	43.997	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.000%
50) Toluene-d8	8.647	98	179586	46.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.020%
62) 4-Bromofluorobenzene	11.079	95	72407	45.486	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	308	0.299	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	245	0.261	ug/l #	66
11) Tert butyl alcohol	2.959	59	291	1.135	ug/l #	78
16) Acetone	2.380	43	5673	10.490	ug/l	91
17) Carbon Disulfide	2.514	76	1110	0.465	ug/l	98
18) Methyl Acetate	2.538	43	485	0.335	ug/l #	53
20) Methylene Chloride	2.788	84	333	Below Cal	#	88
25) 2-Butanone	4.580	43	1266	1.498	ug/l	97
31) Cyclohexane	5.550	56	1891	1.204	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7430	5.083	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8595	6.185	ug/l #	16
59) 2-Hexanone	9.451	43	487	0.354	ug/l	79
76) 1,2,3-Trichloropropane	11.079	75	38668	25.379	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38668	69.758	ug/l #	5
89) n-Butylbenzene	12.335	91	1377	0.310	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	586	0.357	ug/l	96
94) Hexachlorobutadiene	13.725	225	697	1.063	ug/l	92
95) Naphthalene	13.780	128	2111	0.407	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	553	0.353	ug/l #	81

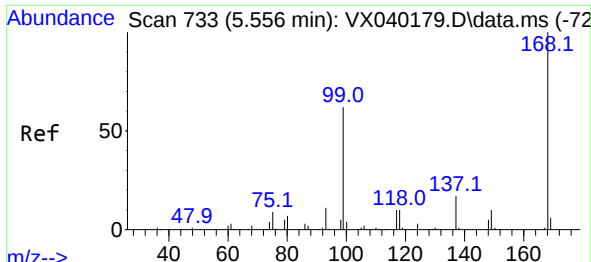
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

Quant Time: Feb 12 14:34:15 2024
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Response via : Initial Calibration

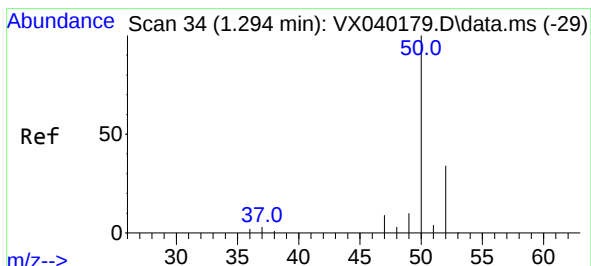
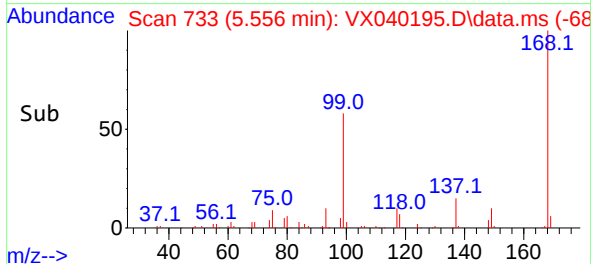
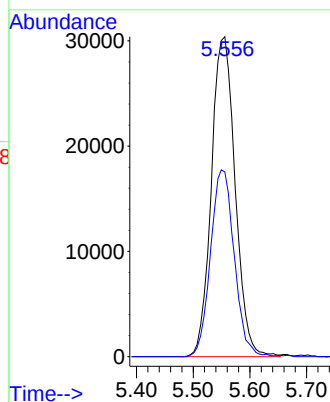
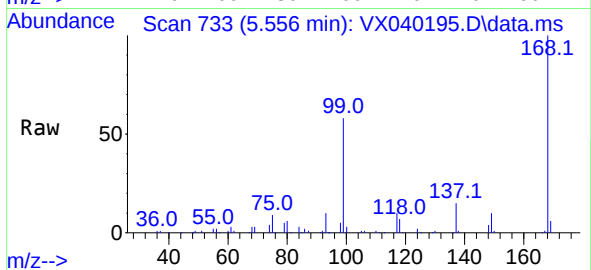




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

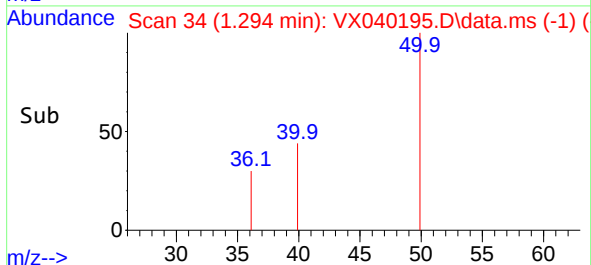
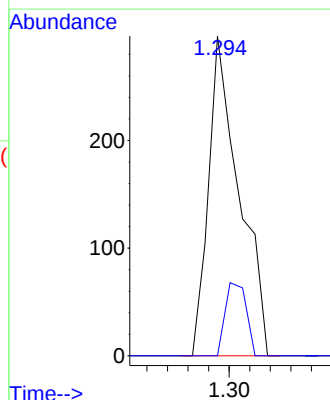
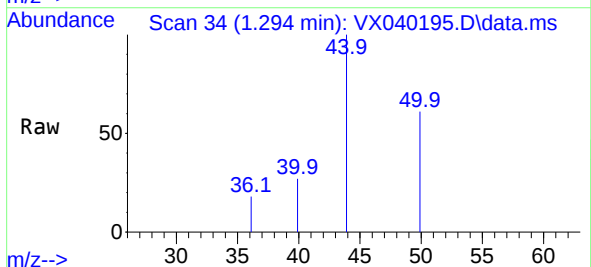
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

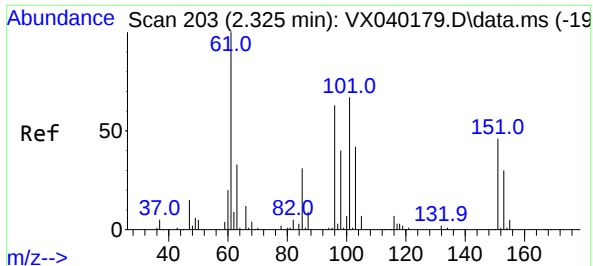
Tgt Ion:168 Resp: 88512
Ion Ratio Lower Upper
168 100
99 57.7 56.6 85.0



#3
Chloromethane
Concen: 0.299 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

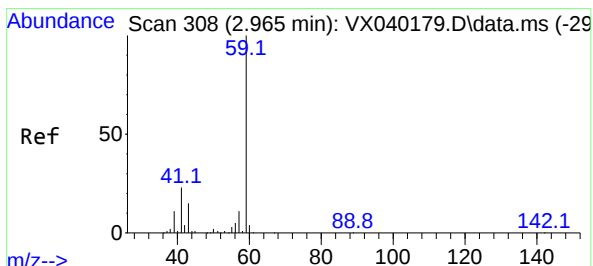
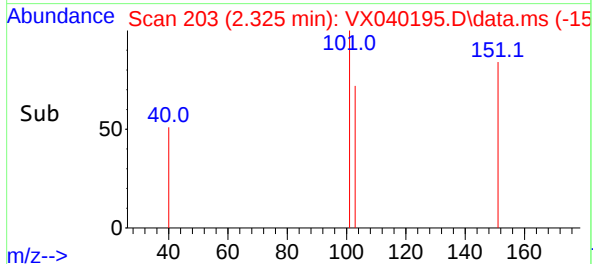
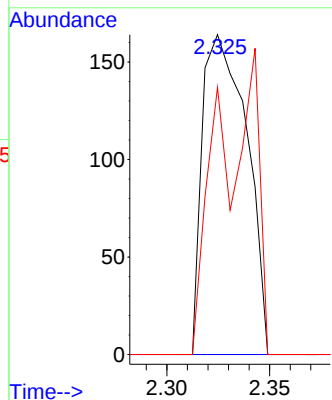
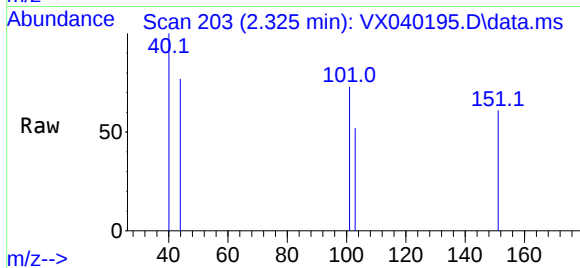




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.261 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

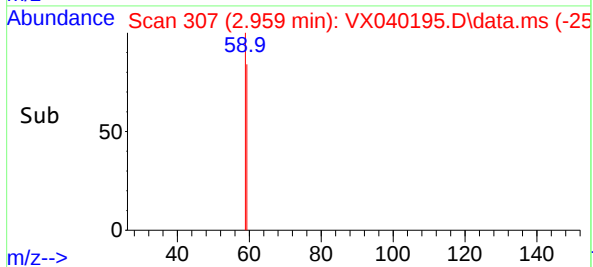
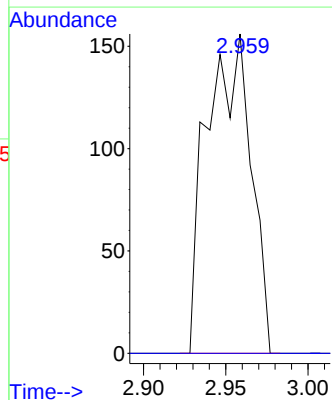
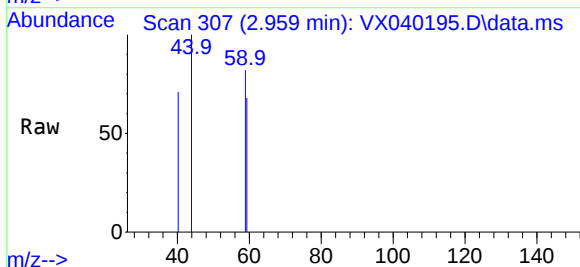
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

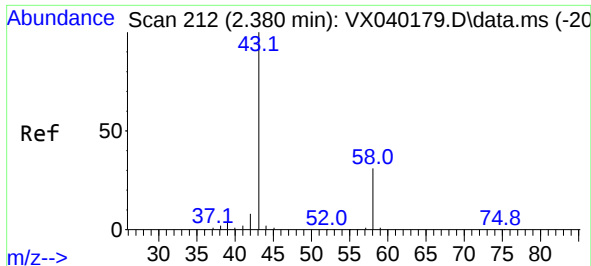
Tgt Ion:101 Resp: 245
Ion Ratio Lower Upper
101 100
85 0.0 37.0 55.6#
151 82.9 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.135 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

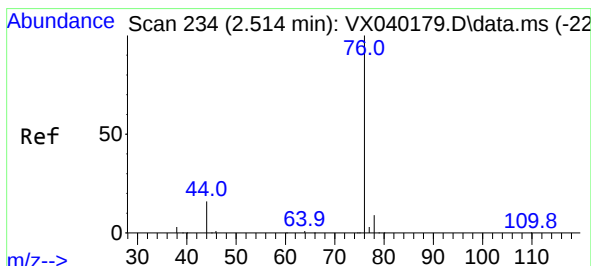
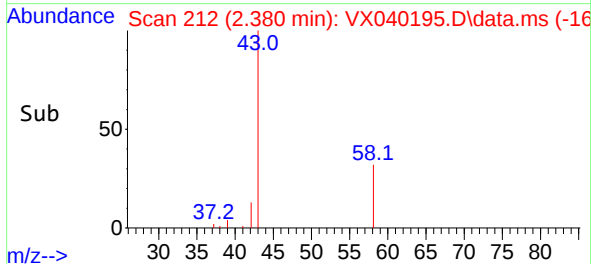
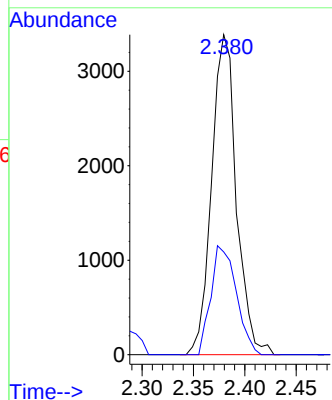
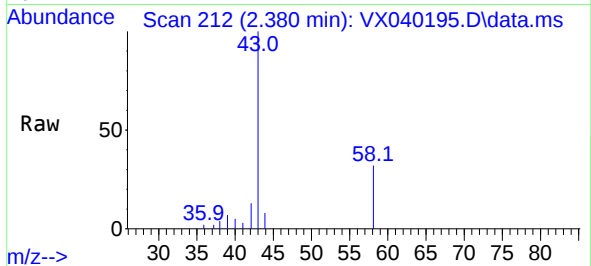




#16
Acetone
Concen: 10.490 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

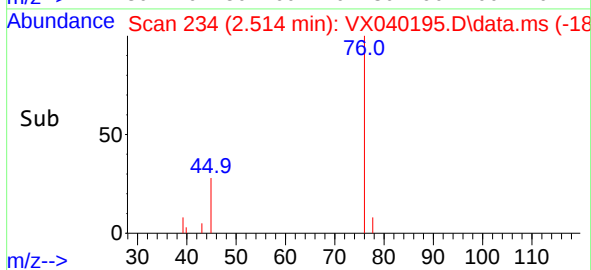
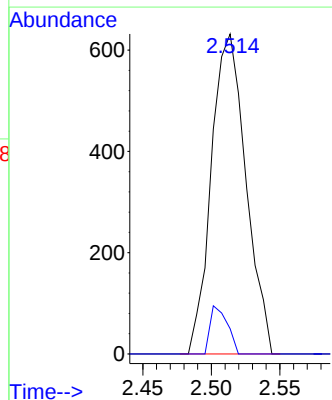
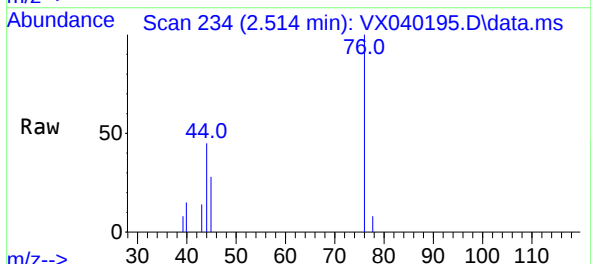
Instrument :
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BP-VPB-195-GW-765-767

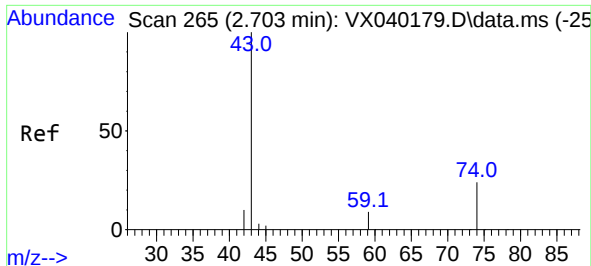
Tgt Ion: 43 Resp: 5673
Ion Ratio Lower Upper
43 100
58 32.1 21.9 32.9



#17
Carbon Disulfide
Concen: 0.465 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 76 Resp: 1110
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

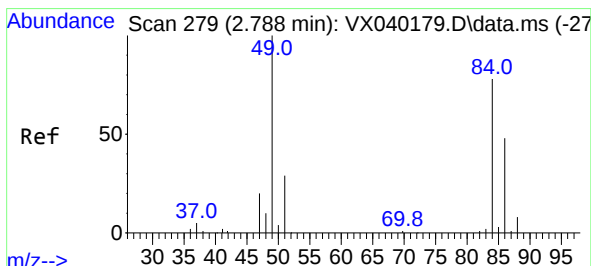
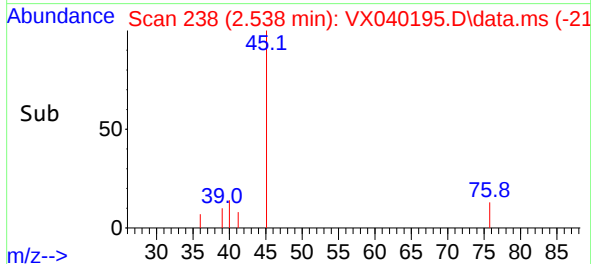
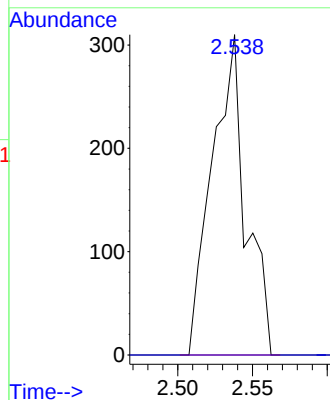
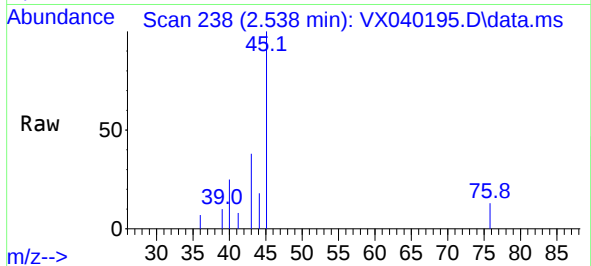




#18
Methyl Acetate
Concen: 0.335 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

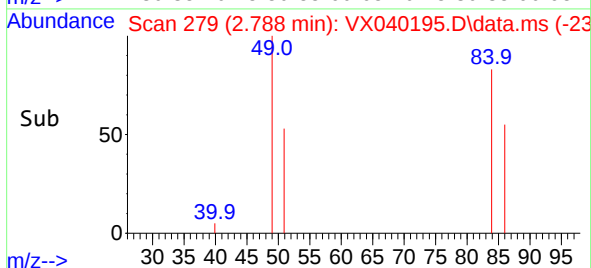
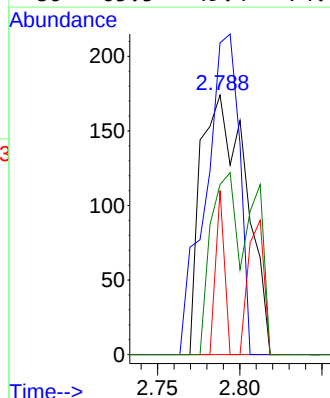
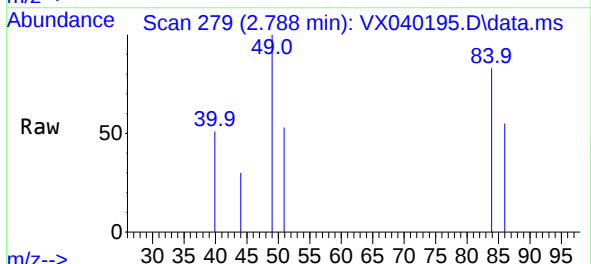
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

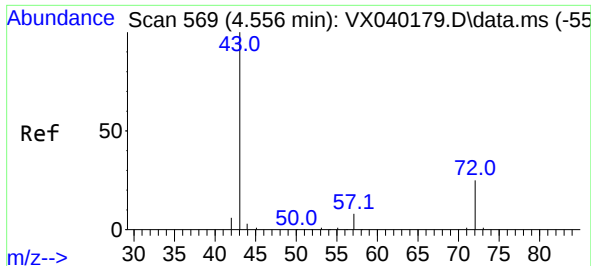
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 84 Resp: 333
Ion Ratio Lower Upper
84 100
49 120.1 103.6 155.4
51 63.2 33.8 50.6#
86 65.5 49.4 74.0





#25

2-Butanone

Concen: 1.498 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

Instrument :

MSVOA_X

ClientSampleId :

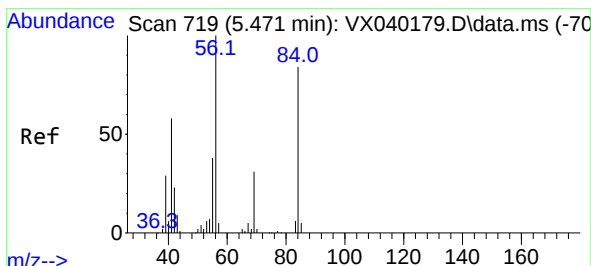
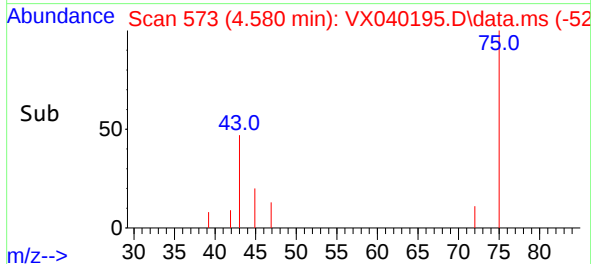
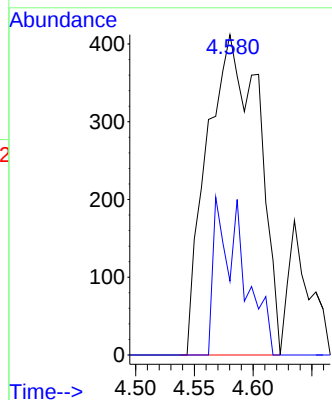
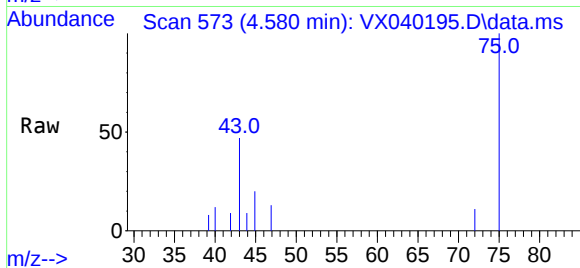
BP-VPB-195-GW-765-767

Tgt Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

72 23.1 19.4 29.2



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

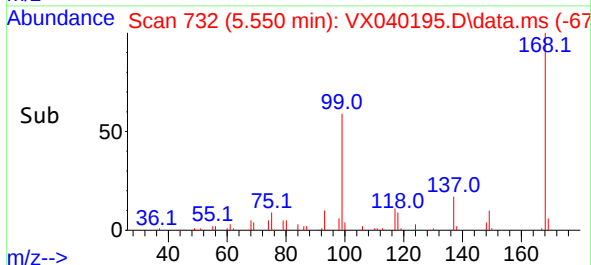
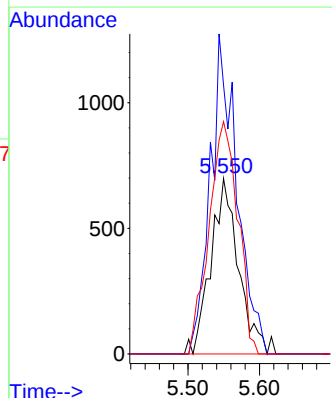
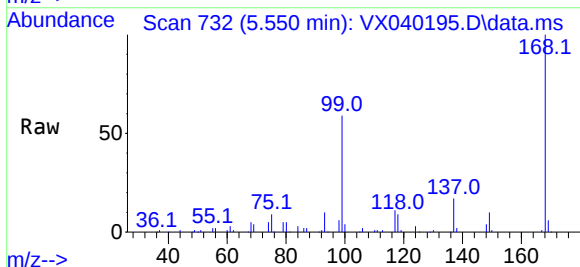
Tgt Ion: 56 Resp: 1891

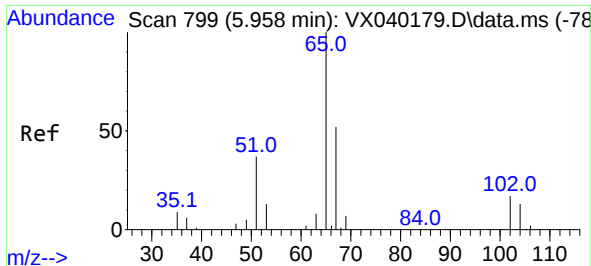
Ion Ratio Lower Upper

56 100

69 153.1 23.4 35.2#

84 132.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.607 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

Instrument :

MSVOA_X

ClientSampleId :

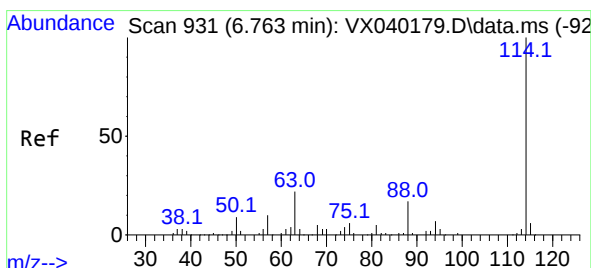
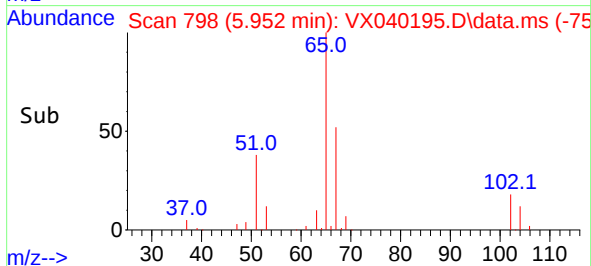
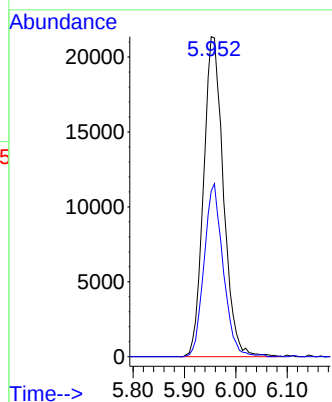
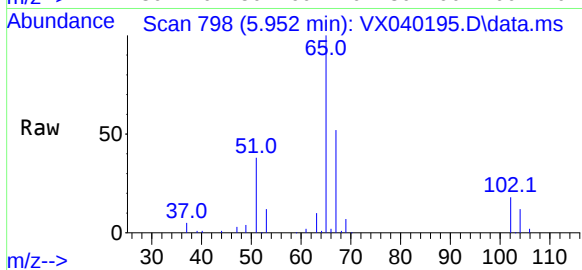
BP-VPB-195-GW-765-767

Tgt Ion: 65 Resp: 57422

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

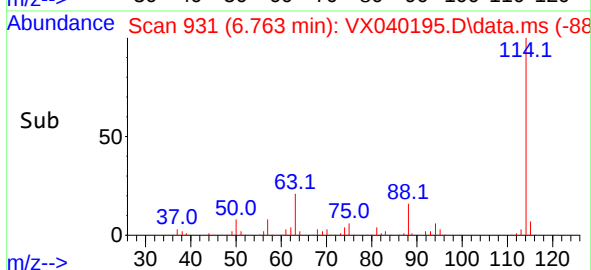
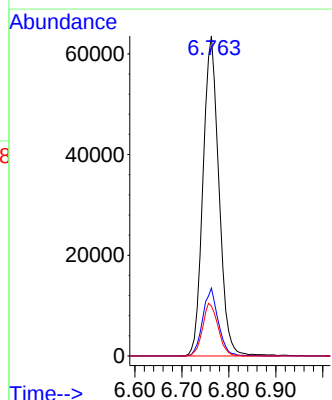
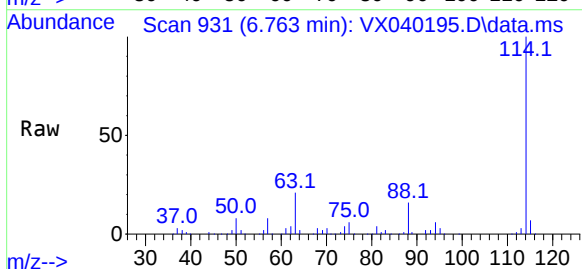
Tgt Ion: 114 Resp: 149414

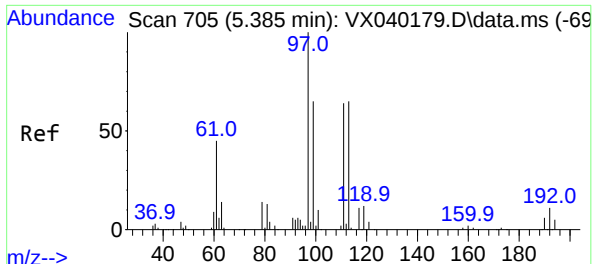
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 15.6 0.0 36.6

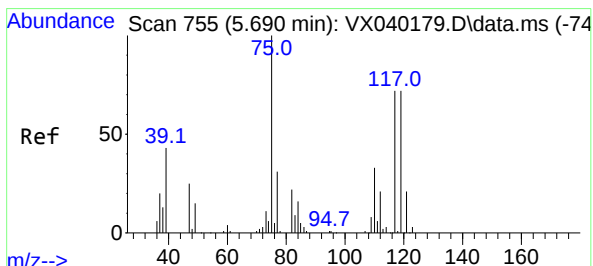
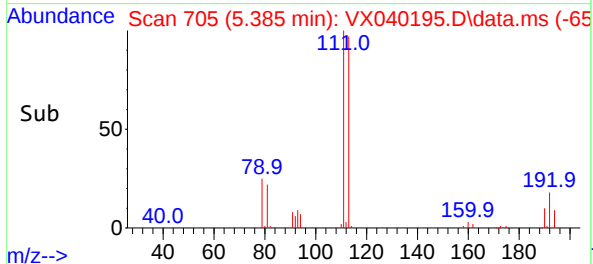
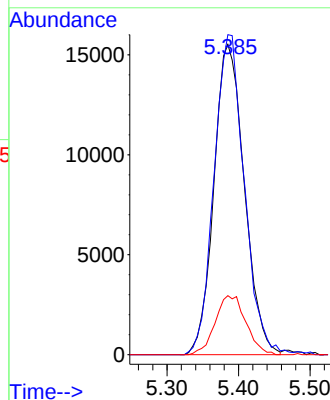
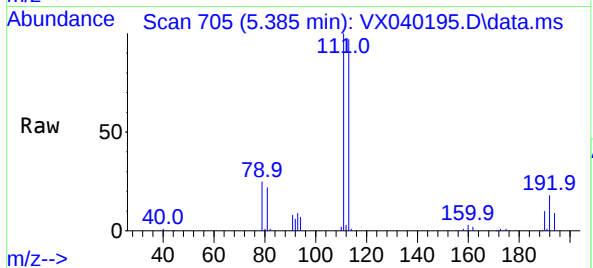




#35
Dibromofluoromethane
Concen: 43.997 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

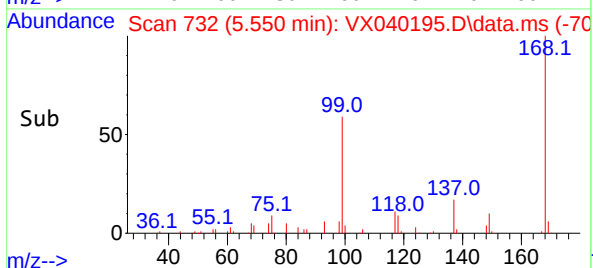
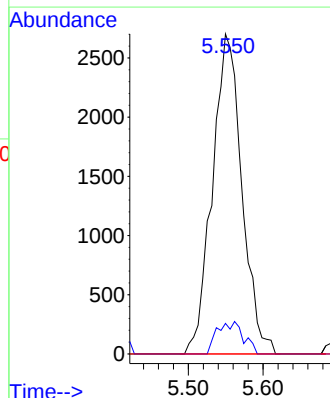
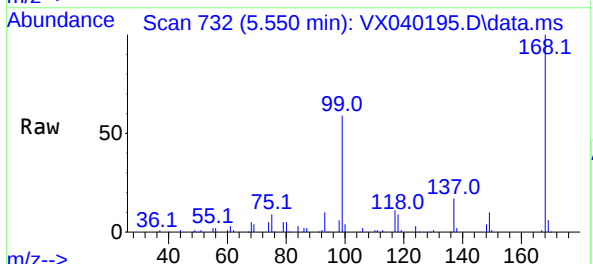
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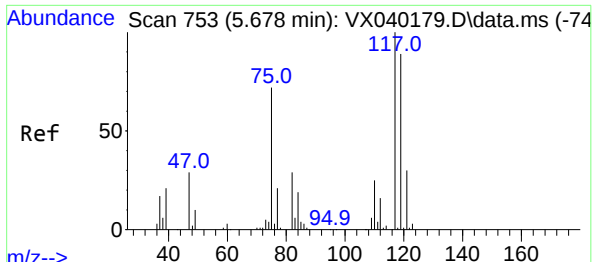
Tgt Ion:	113	Resp:	45908
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	19.2	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

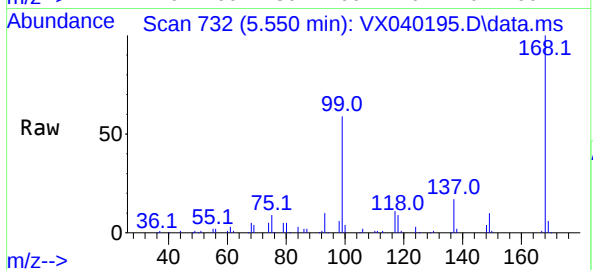
Tgt Ion:	75	Resp:	7430
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.7	37.1#



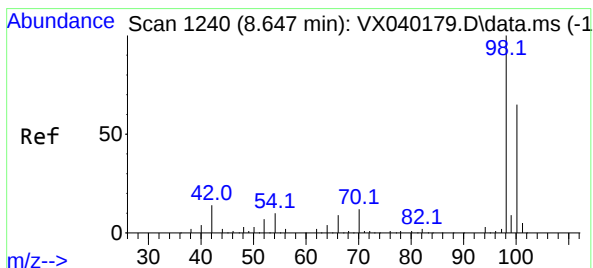
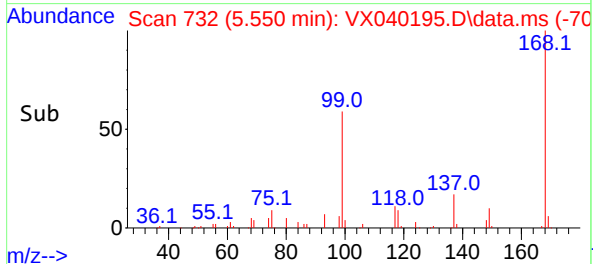
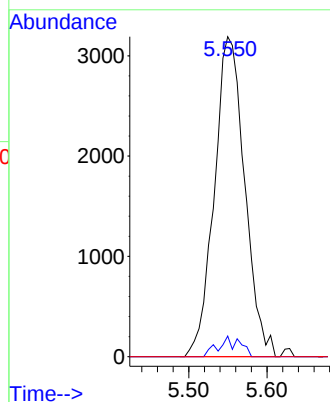


#38
Carbon Tetrachloride
Concen: 6.185 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

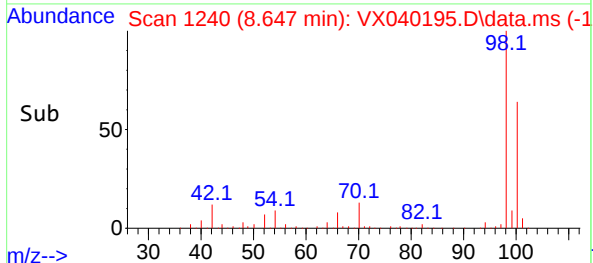
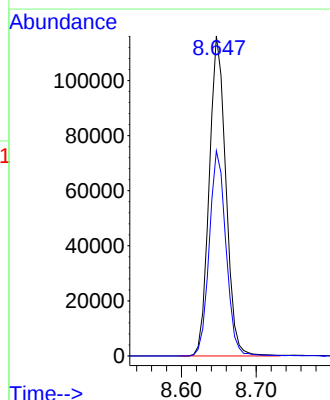
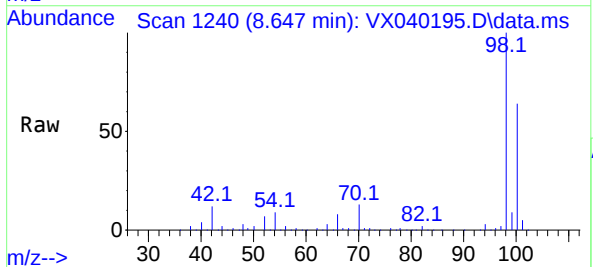


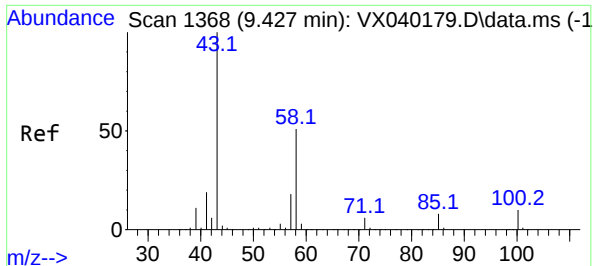
Tgt Ion:117 Resp: 8595
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.011 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 98 Resp: 179586
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

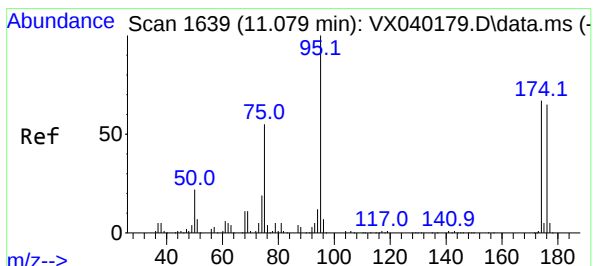
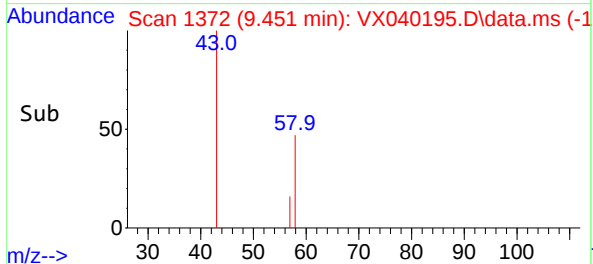
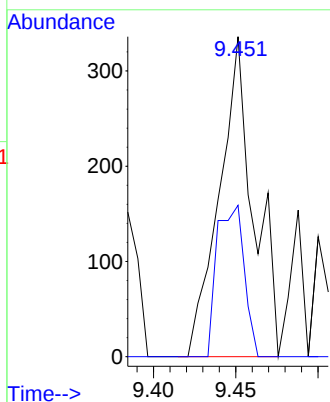
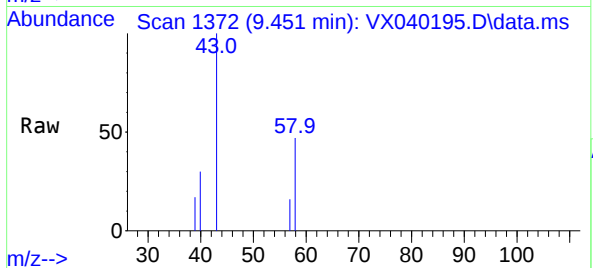




#59
2-Hexanone
Concen: 0.354 ug/l
RT: 9.451 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

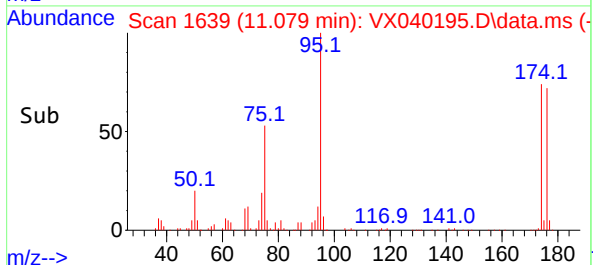
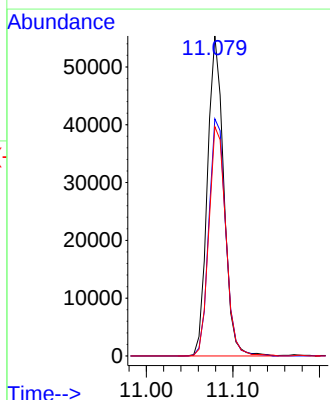
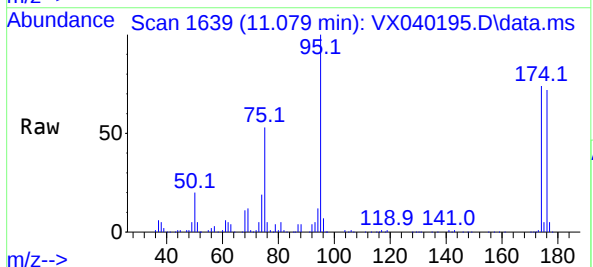
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

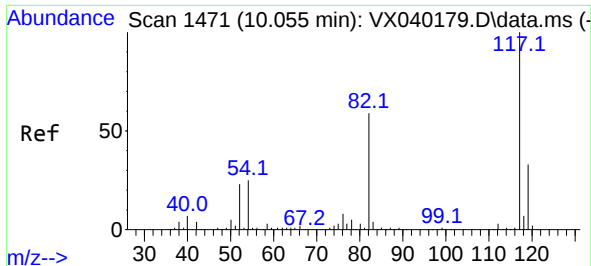
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 37.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 45.486 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 95 Resp: 72407
Ion Ratio Lower Upper
95 100
174 76.2 0.0 135.6
176 74.1 0.0 131.0

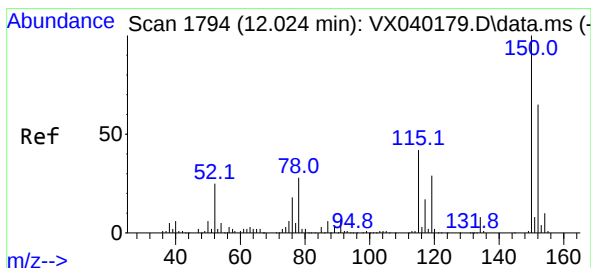
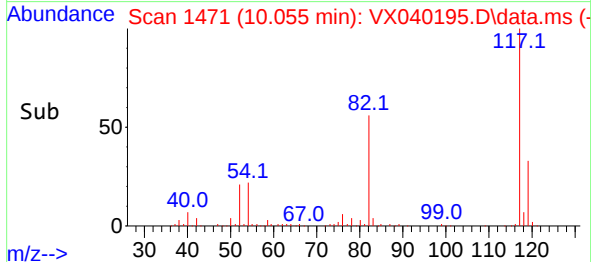
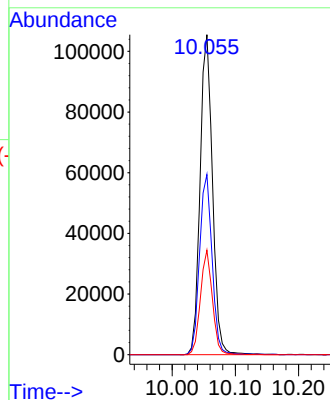
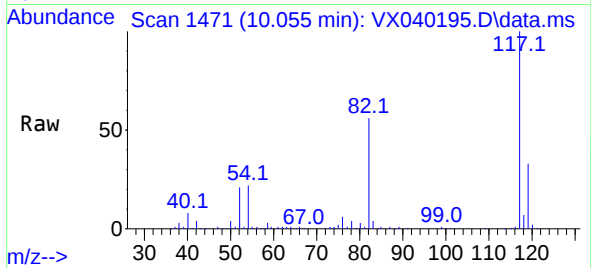




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

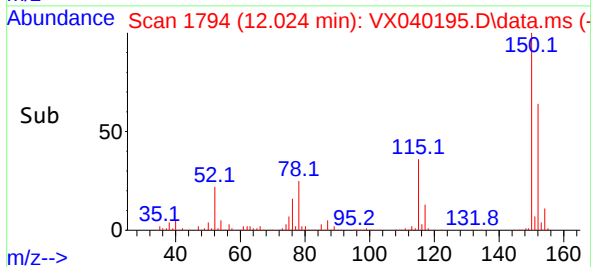
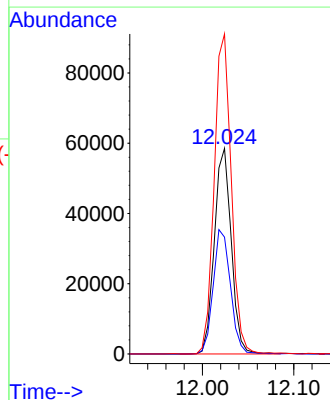
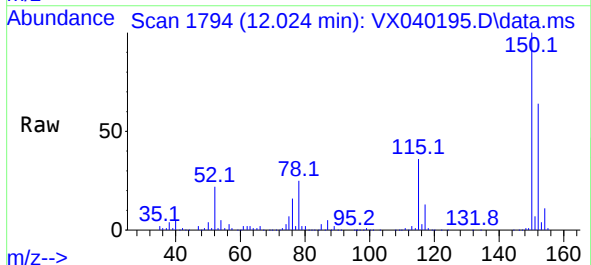
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

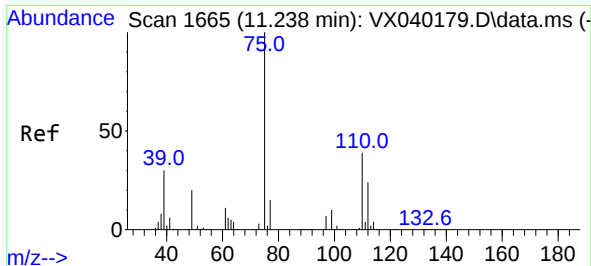
Tgt Ion:117 Resp: 144232
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion:152 Resp: 75238
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 157.1 0.0 345.0

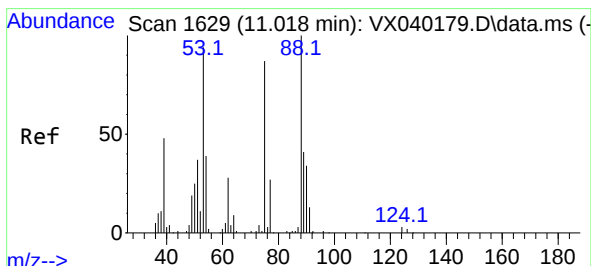
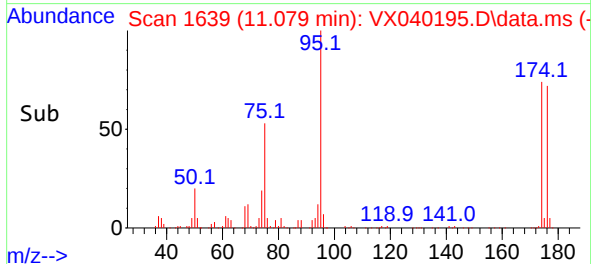
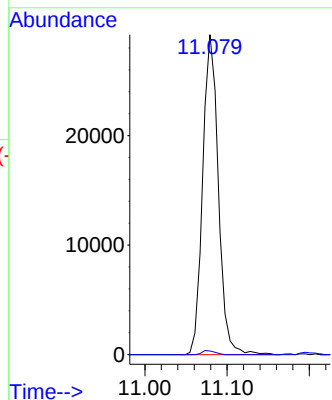
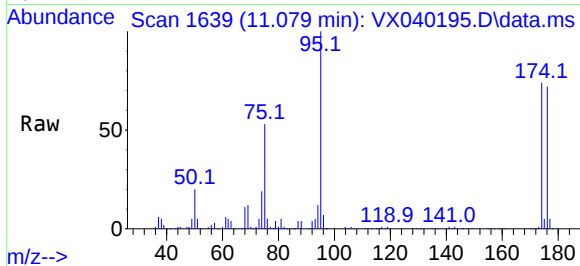




#76
1,2,3-Trichloropropane
Concen: 25.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

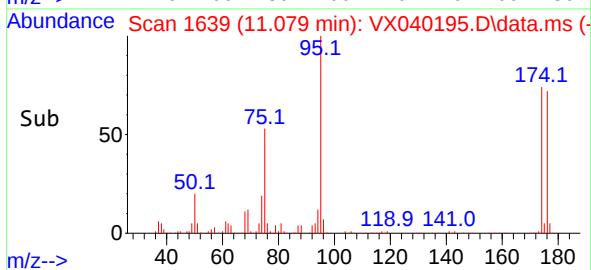
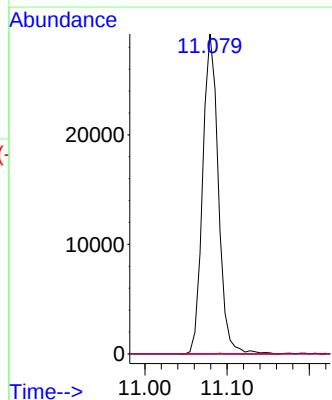
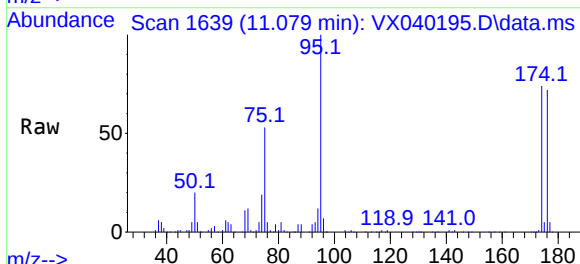
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

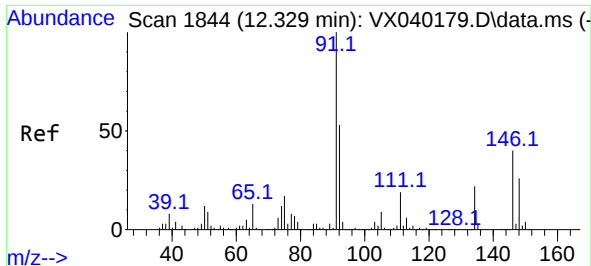
Tgt Ion: 75 Resp: 38668
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.758 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

Tgt Ion: 75 Resp: 38668
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.310 ug/l

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-GW-765-767

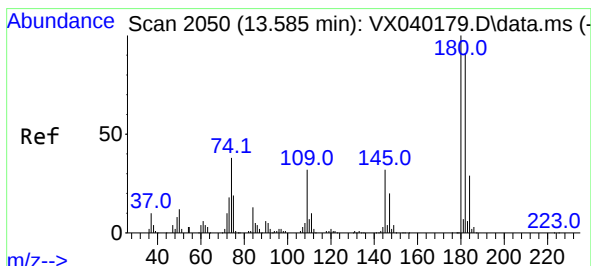
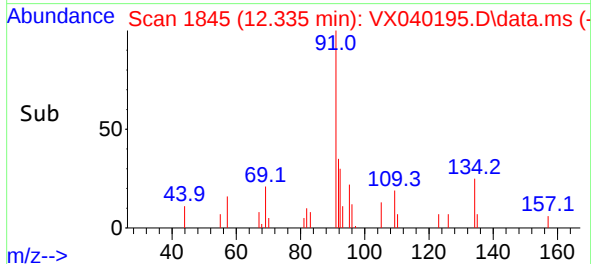
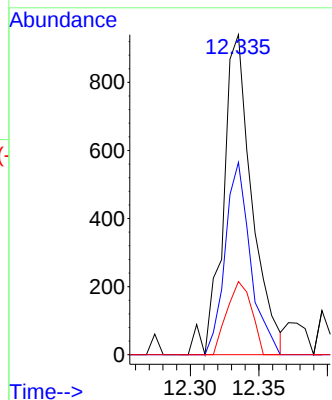
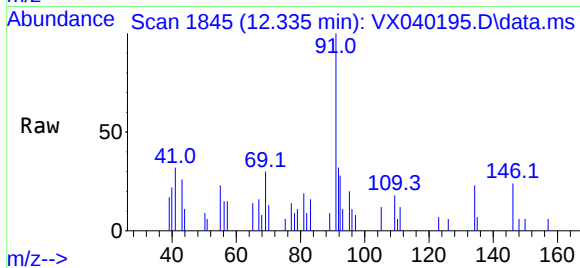
Tgt Ion: 91 Resp: 1377

Ion Ratio Lower Upper

91 100

92 52.6 27.4 82.0

134 19.5 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.357 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040195.D

Acq: 12 Feb 2024 13:32

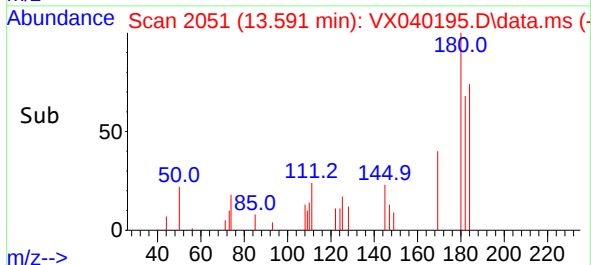
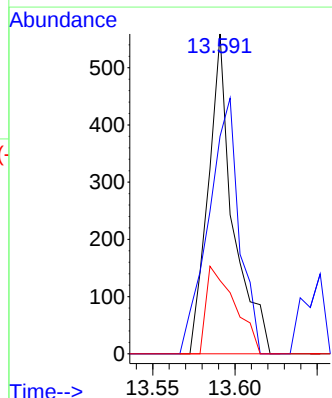
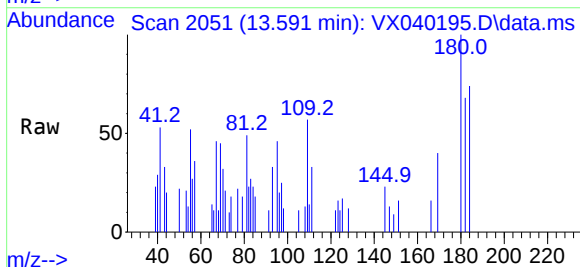
Tgt Ion:180 Resp: 586

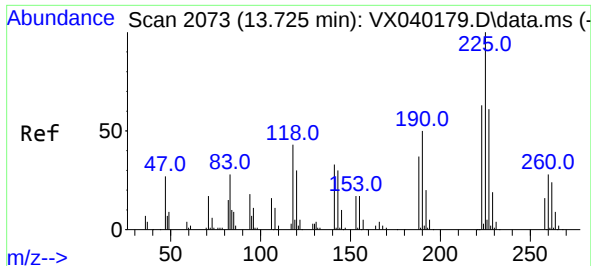
Ion Ratio Lower Upper

180 100

182 99.3 48.3 144.8

145 31.6 18.0 54.0

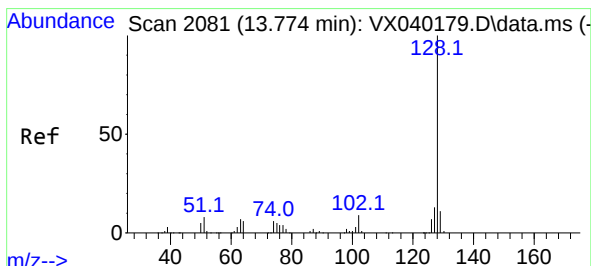
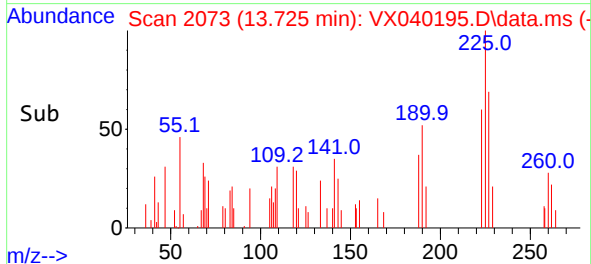
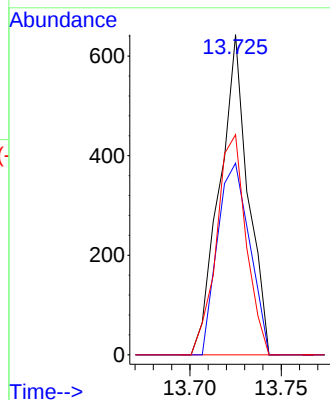
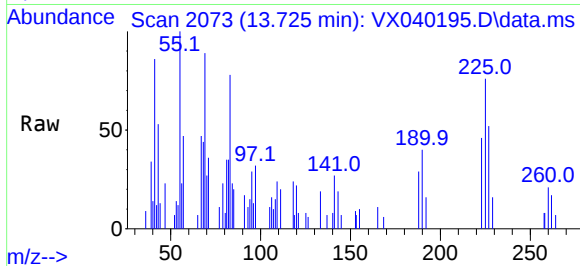




#94
Hexachlorobutadiene
Concen: 1.063 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

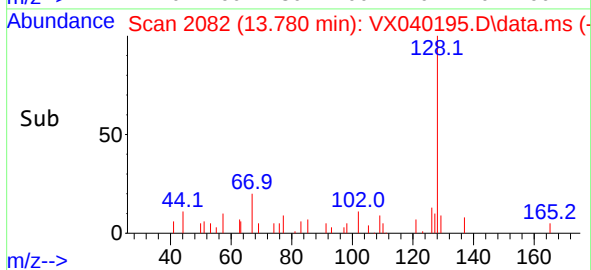
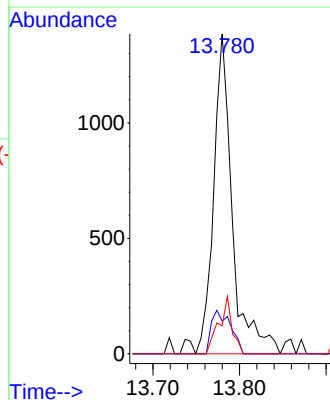
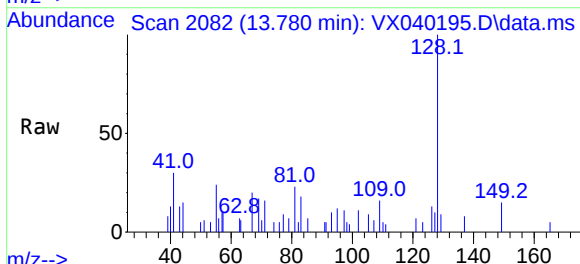
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-765-767

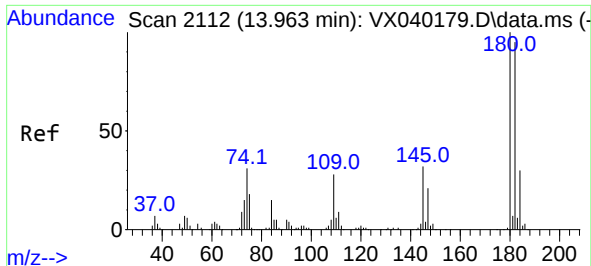
Tgt Ion:	225	Resp:	697
Ion	Ratio	Lower	Upper
225	100		
223	67.6	31.1	93.2
227	71.6	32.5	97.5



#95
Naphthalene
Concen: 0.407 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040195.D
Acq: 12 Feb 2024 13:32

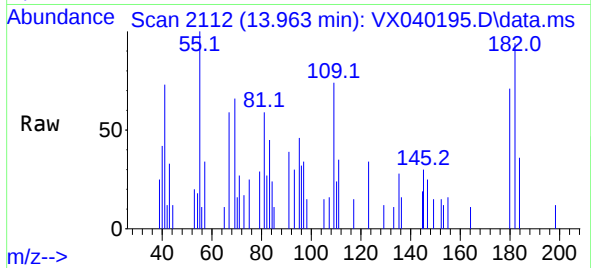
Tgt Ion:	128	Resp:	2111
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	12.4	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.353 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX040195.D
 Acq: 12 Feb 2024 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-195-GW-765-767



Tgt Ion:	180	Resp:	553
Ion	Ratio	Lower	Upper
180	100		
182	104.3	46.9	140.6
145	59.9	17.8	53.5#

