

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029815.D
 Acq On : 13 Jan 2023 17:53
 Operator : SY/MD
 Sample : 01138-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1X2

Quant Time: Jan 13 22:52:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	202936	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	198691	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	104487	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71130	4.621	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.564	69	65582	5.140	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.111	63	225194	8.025	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	160.600%#
20) 2-Butanone-d5	3.886	46	136116	49.892	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.780%
24) Chloroform-d	4.339	84	144831	5.129	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.024	65	64463	5.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	5.043	84	299818	5.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	6.063	67	92675	5.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.400%
41) Toluene-d8	7.307	98	260905	4.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	7.616	79	28695	4.555	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.085	63	127400	49.675	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	67665	5.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	101424	5.339	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1552	0.078	ug/L	97
5) Vinyl chloride	1.310	62	23388	1.200	ug/L	95
8) Chloroethane	1.584	64	5928	0.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1627	0.108	ug/L #	23
12) 1,1-Dichloroethene	2.118	96	261972	15.118	ug/L #	81
14) Carbon disulfide	2.294	76	4352	0.087	ug/L	97
16) Methylene chloride	2.503	84	4487	0.208	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	12063	0.403	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	1355	0.084	ug/L	88
19) 1,1-Dichloroethane	3.182	63	349708	12.978	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	10425	0.607	ug/L	100
25) Chloroform	4.368	83	11284	0.385	ug/L	94
27) 1,2-Dichloroethane	5.130	62	4528	0.318	ug/L #	91
29) 1,1,1-Trichloroethane	4.600	97	31567	1.224	ug/L	98
31) Carbon tetrachloride	4.596	117	3997	0.178	ug/L	96
33) Benzene	5.098	78	11091	0.169	ug/L	100
34) Trichloroethene	5.905	95	321202	19.294	ug/L	97
35) Methylcyclohexane	6.063	83	22700	0.808	ug/L #	20
37) 1,2-Dichloropropane	6.175	63	1999	0.130	ug/L #	88

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 Response via : Initial Calibration

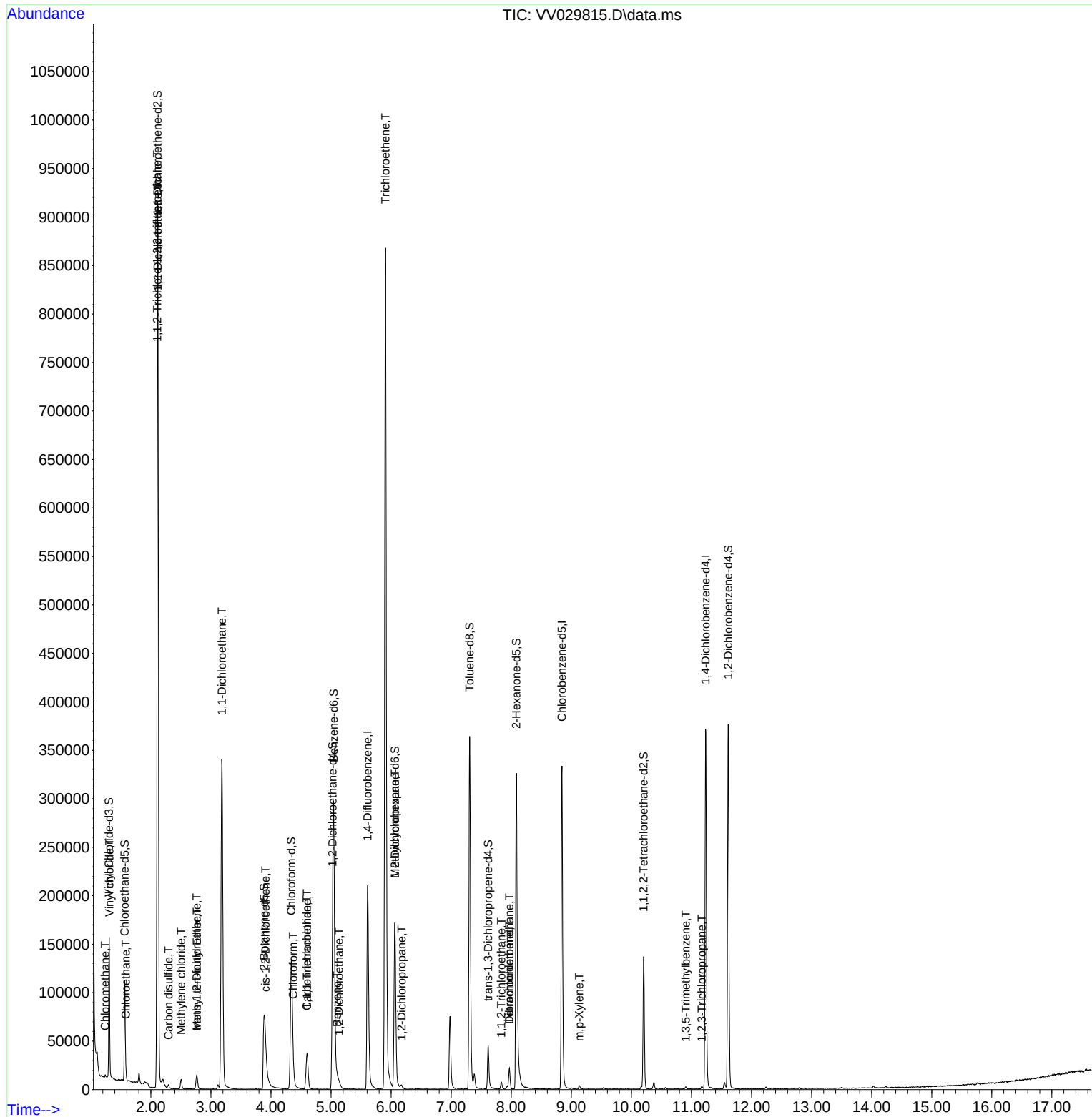
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	2520	0.227	ug/L	94
47) Tetrachloroethene	7.969	164	5068	0.362	ug/L	94
49) Dibromochloromethane	7.969	129	4567	0.351	ug/L #	11
53) m,p-Xylene	9.130	106	1362	0.046	ug/L	77
61) 1,2,3-Trichloropropane	11.172	75	485	0.063	ug/L #	58
62) 1,3,5-Trimethylbenzene	10.905	105	1770	0.031	ug/L	99

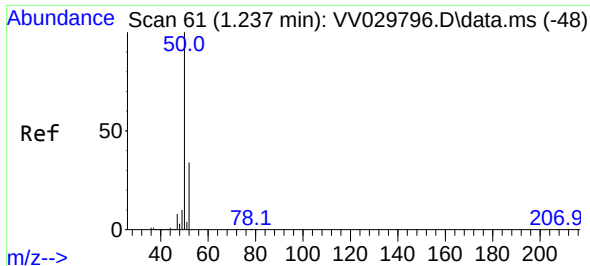
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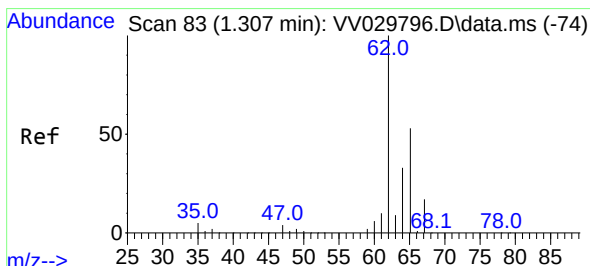
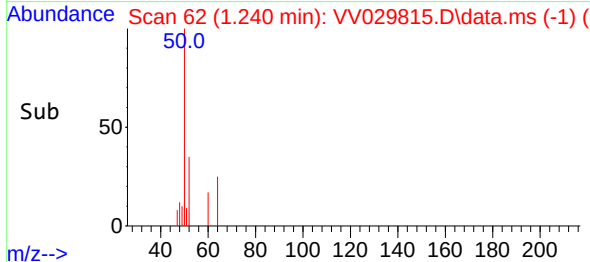
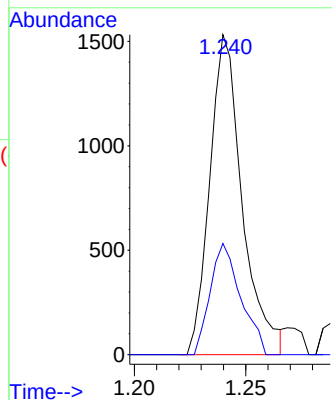
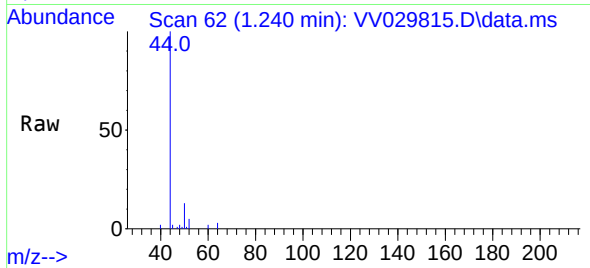




#3
Chloromethane
Concen: 0.078 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

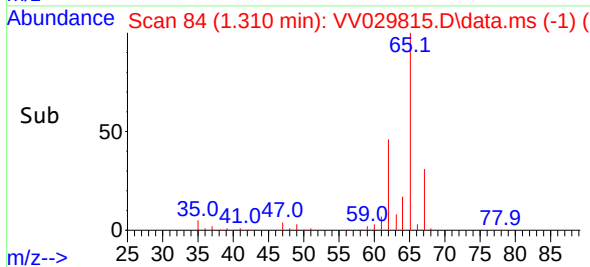
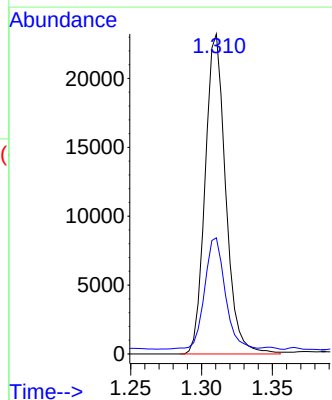
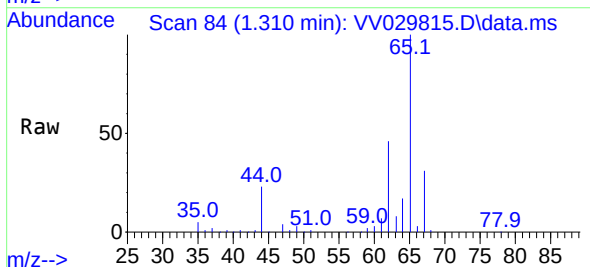
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

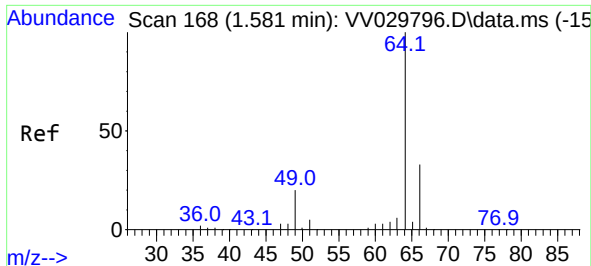
Tgt Ion: 50 Resp: 1552
Ion Ratio Lower Upper
50 100
52 34.7 23.1 42.9



#5
Vinyl chloride
Concen: 1.200 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.006 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 62 Resp: 23388
Ion Ratio Lower Upper
62 100
64 36.3 23.2 43.2

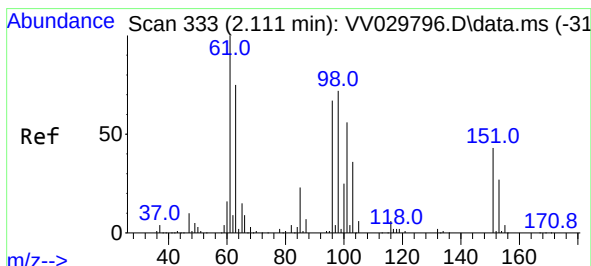
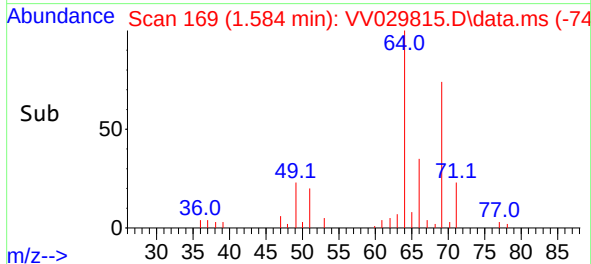
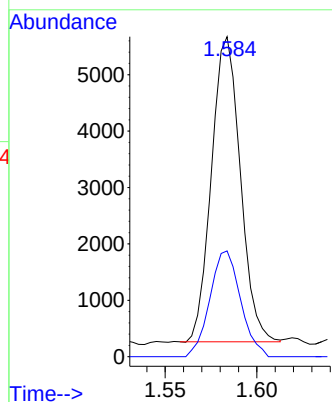
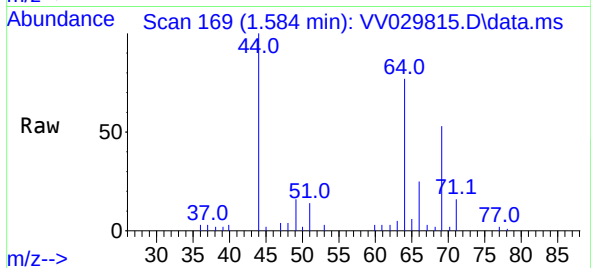




#8
Chloroethane
Concen: 0.501 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

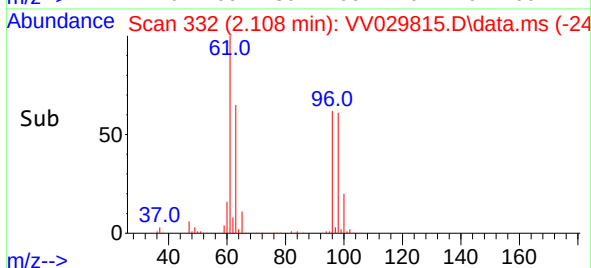
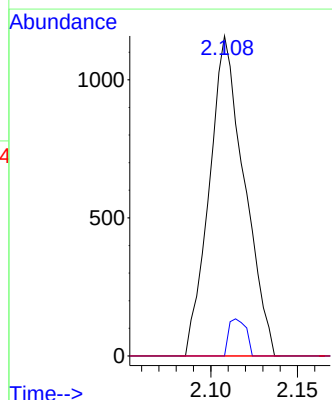
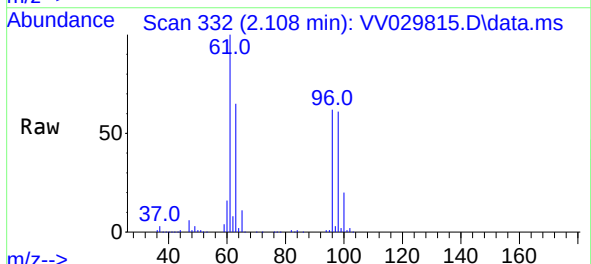
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

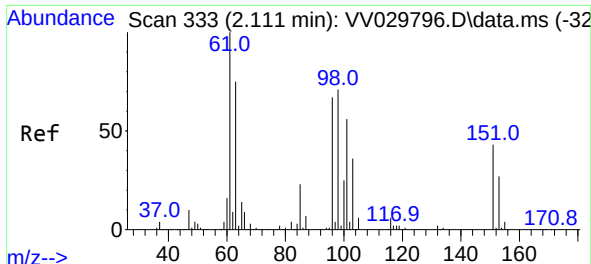
Tgt Ion: 64 Resp: 5928
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.108 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion:101 Resp: 1627
Ion Ratio Lower Upper
101 100
85 5.7 32.9 49.3#
151 0.0 60.9 91.3#

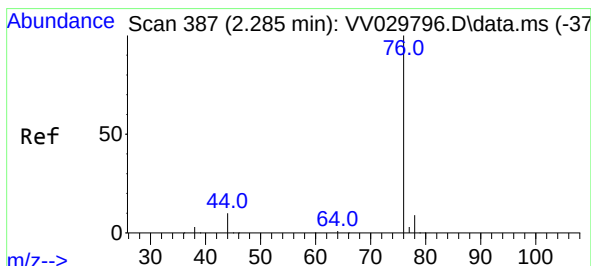
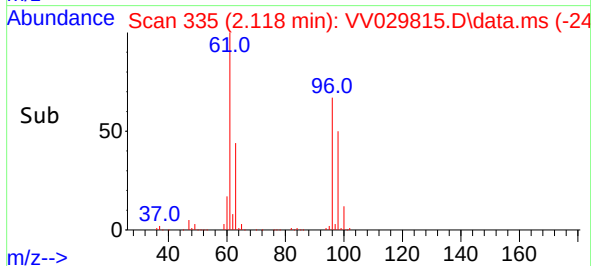
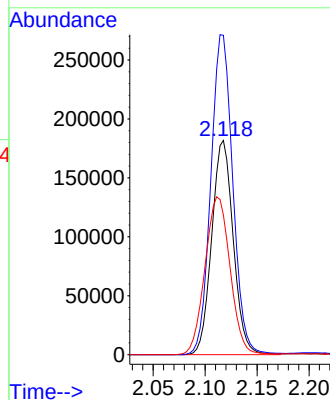
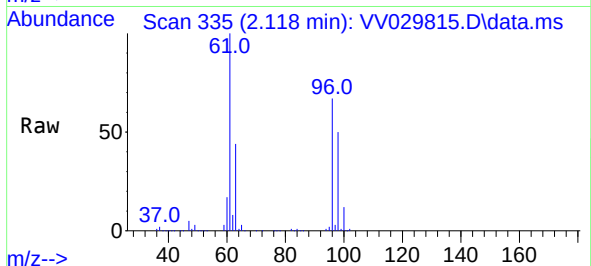




#12
1,1-Dichloroethene
Concen: 15.118 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

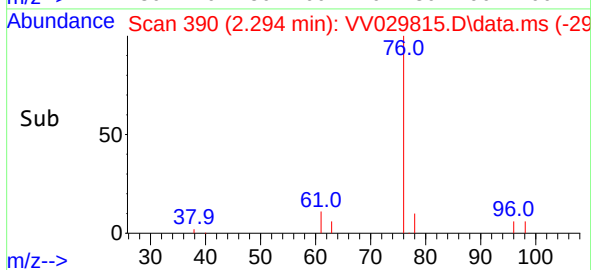
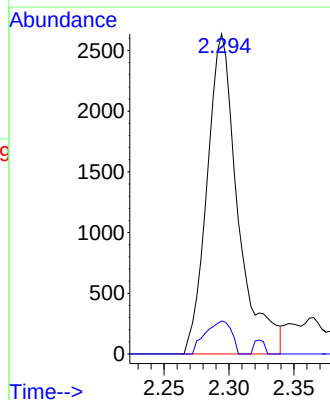
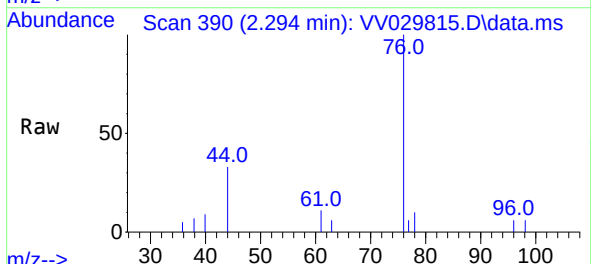
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

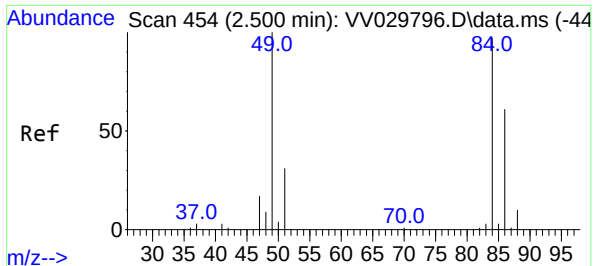
Tgt Ion: 96 Resp: 261972
Ion Ratio Lower Upper
96 100
61 149.0 106.1 197.1
63 65.2 76.4 141.8#



#14
Carbon disulfide
Concen: 0.087 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.010 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 76 Resp: 4352
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0

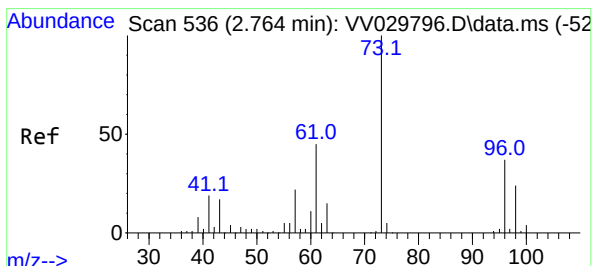
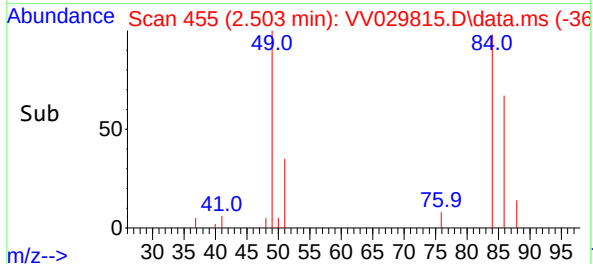
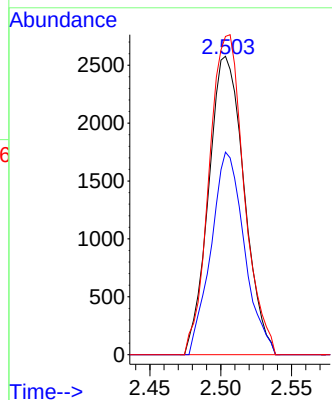
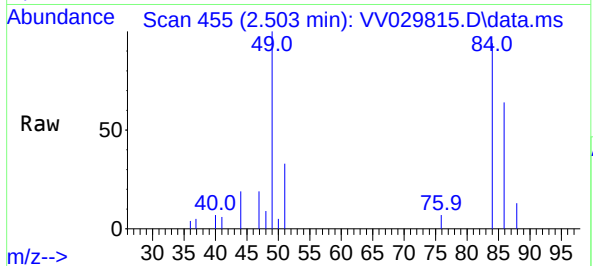




#16
Methylene chloride
Concen: 0.208 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

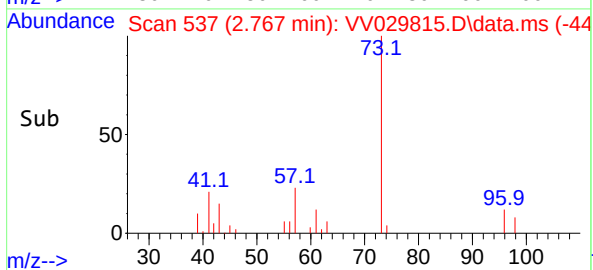
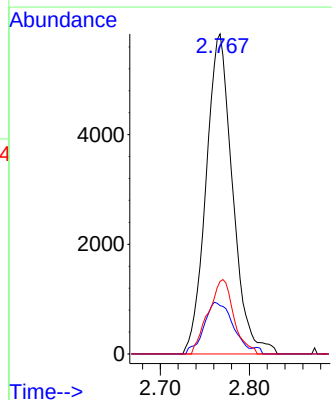
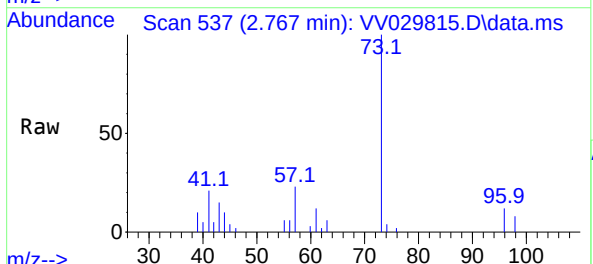
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ClientSampleId :
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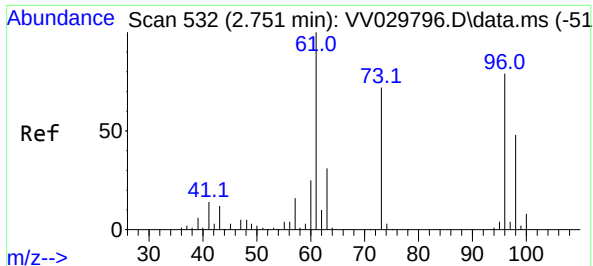
Tgt Ion: 84 Resp: 4487
Ion Ratio Lower Upper
84 100
86 67.9 45.0 83.6
49 106.6 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.403 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 73 Resp: 12063
Ion Ratio Lower Upper
73 100
43 17.6 13.0 19.4
57 22.4 17.1 25.7

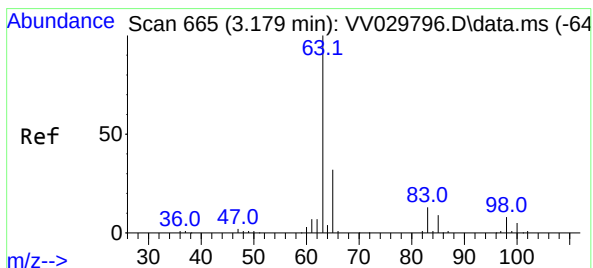
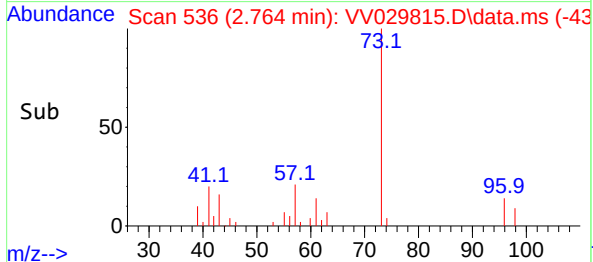
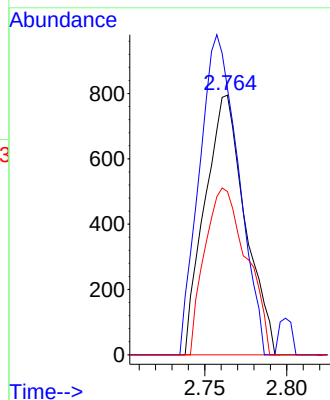
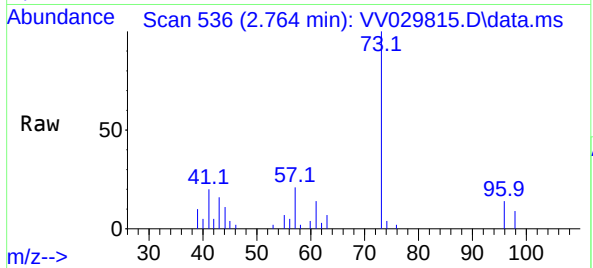




#18
trans-1,2-Dichloroethene
Concen: 0.084 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.013 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

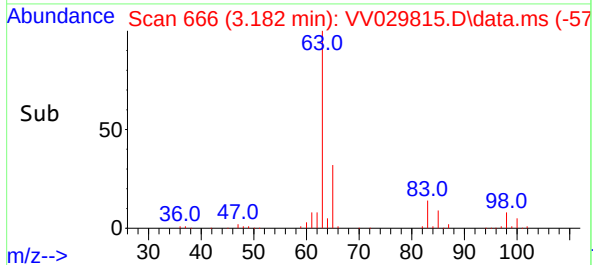
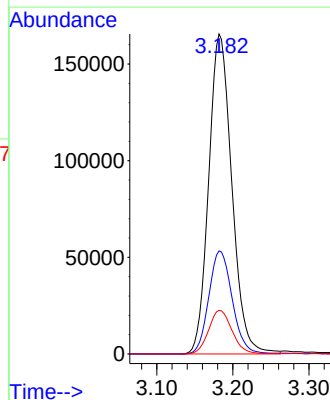
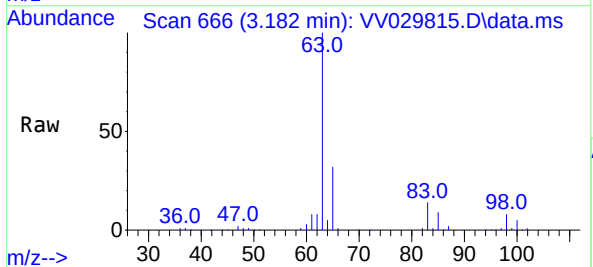
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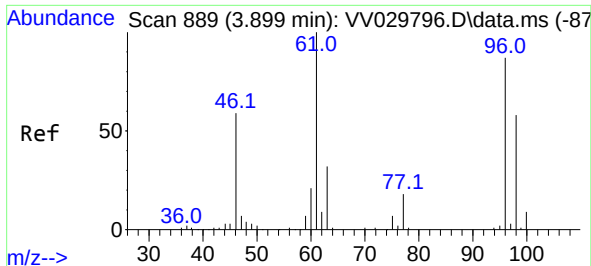
Tgt Ion: 96 Resp: 1355
Ion Ratio Lower Upper
96 100
61 102.8 86.1 159.9
98 62.9 43.9 81.5



#19
1,1-Dichloroethane
Concen: 12.978 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 63 Resp: 349708
Ion Ratio Lower Upper
63 100
65 32.2 22.4 41.6
83 13.6 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.607 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV029815.D

Acq: 13 Jan 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

BH1X2

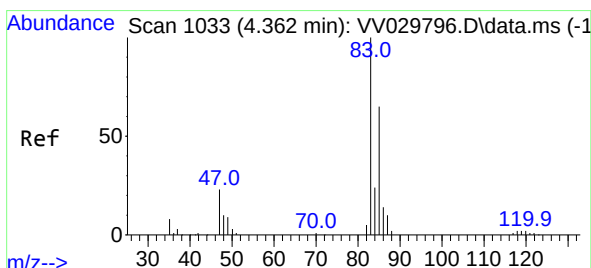
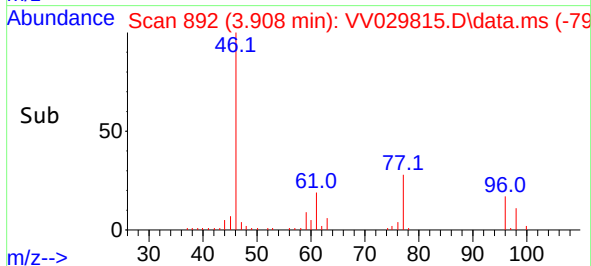
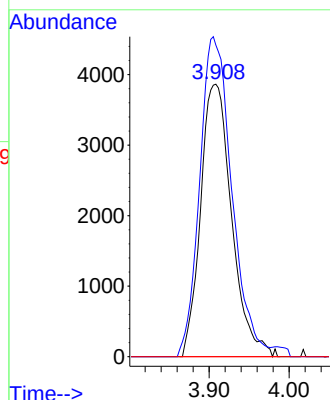
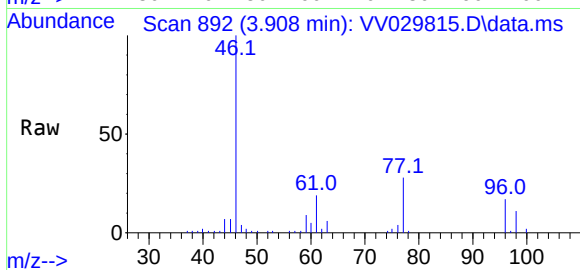
Tgt Ion: 96 Resp: 10425

Ion Ratio Lower Upper

96 100

61 114.3 80.0 148.6

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.385 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV029815.D

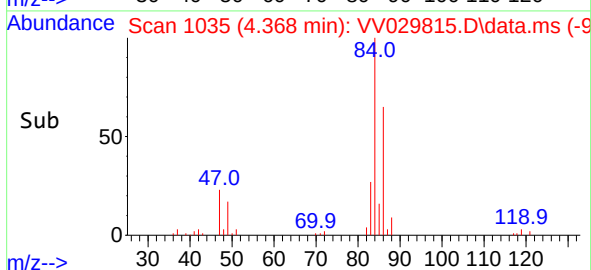
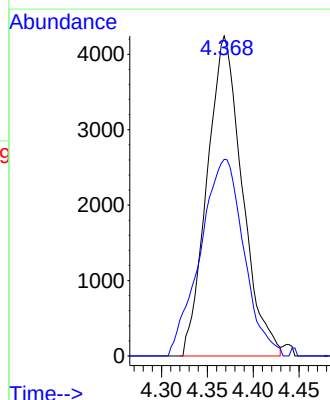
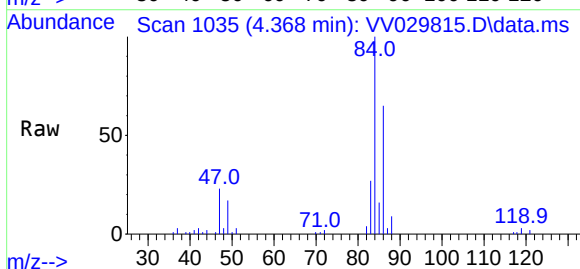
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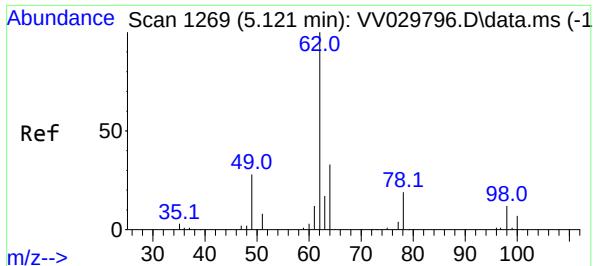
Tgt Ion: 83 Resp: 11284

Ion Ratio Lower Upper

83 100

85 61.5 46.5 86.5

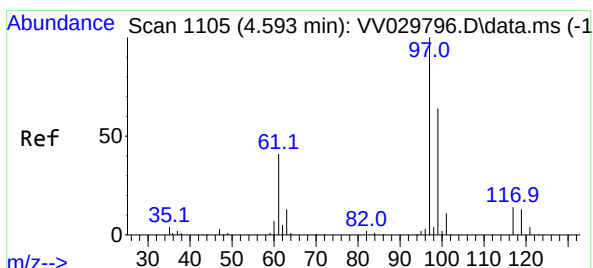
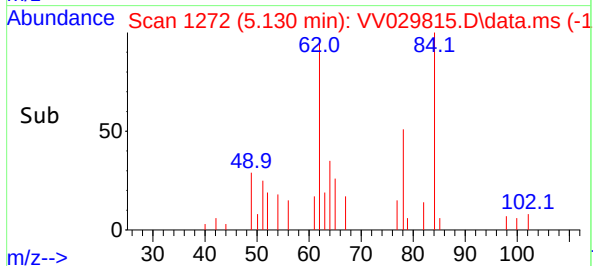
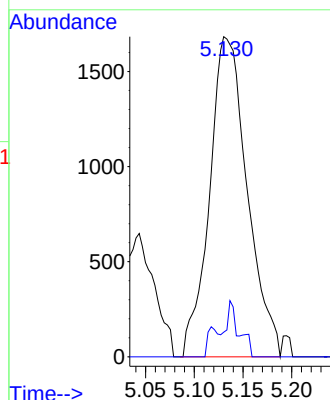
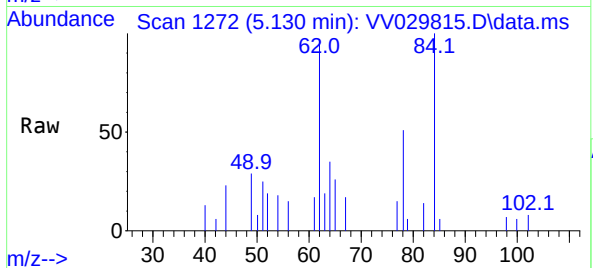




#27
1,2-Dichloroethane
Concen: 0.318 ug/L
RT: 5.130 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

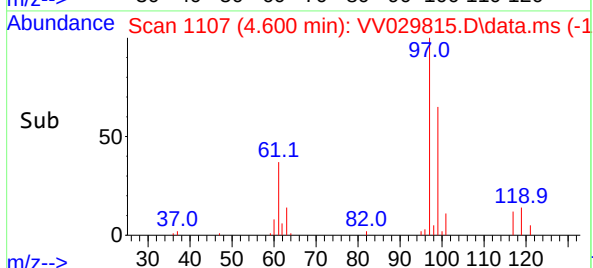
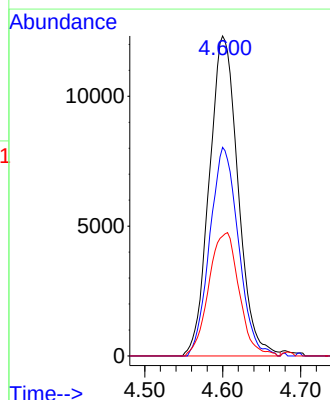
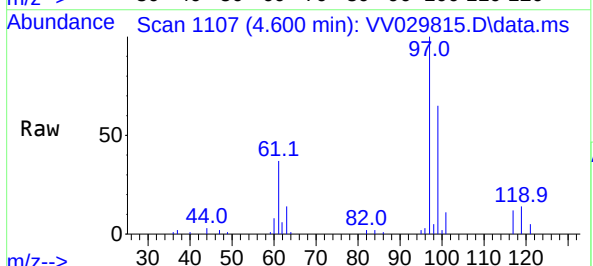
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

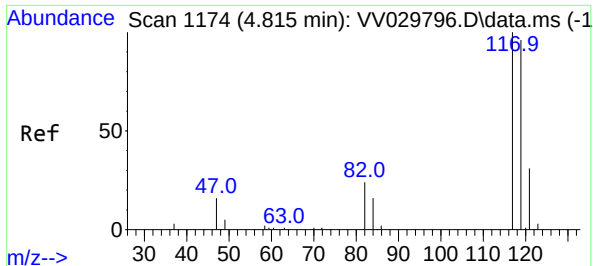
Tgt Ion: 62 Resp: 4528
Ion Ratio Lower Upper
62 100
98 7.7 8.9 13.3#



#29
1,1,1-Trichloroethane
Concen: 1.224 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 97 Resp: 31567
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 40.6 31.6 47.4

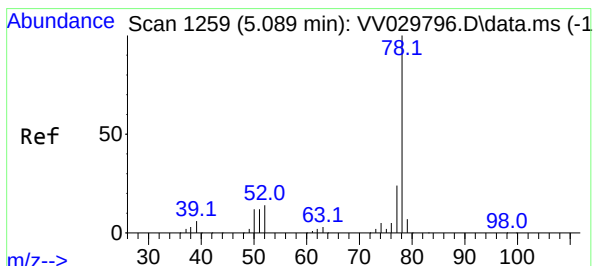
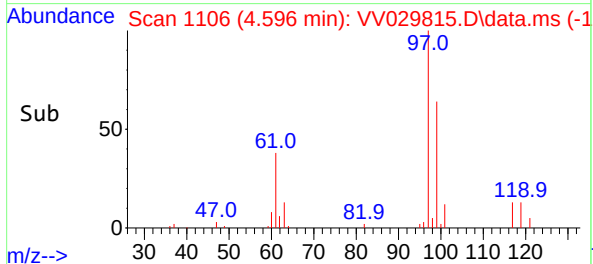
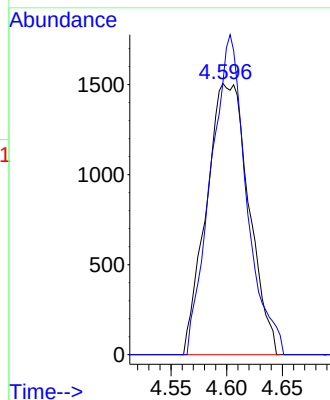
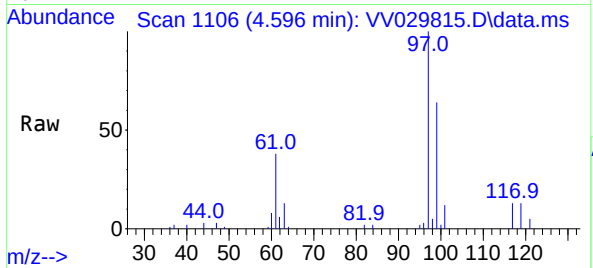




#31
Carbon tetrachloride
Concen: 0.178 ug/L
RT: 4.596 min Scan# 1174
Delta R.T. -0.219 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

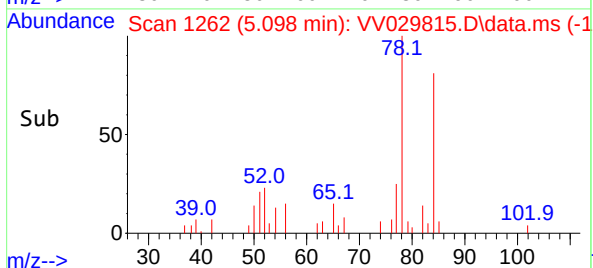
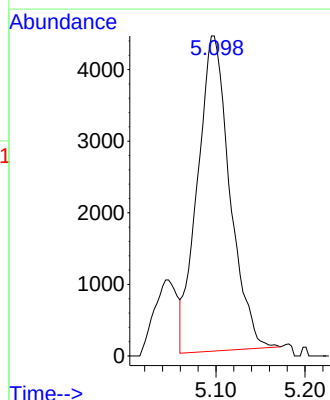
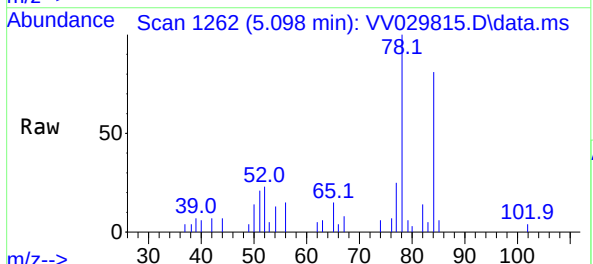
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

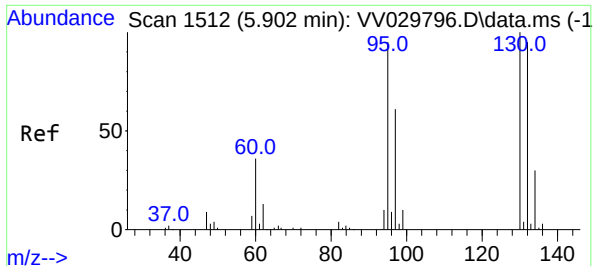
Tgt Ion:117 Resp: 3997
Ion Ratio Lower Upper
117 100
119 99.2 76.6 114.8



#33
Benzene
Concen: 0.169 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.010 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 78 Resp: 11091

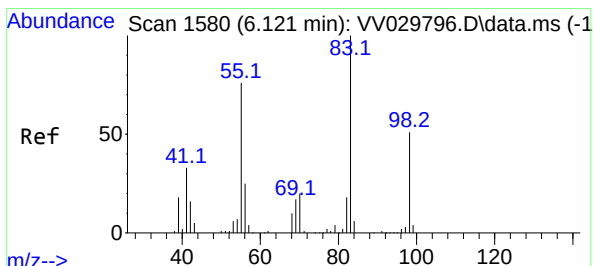
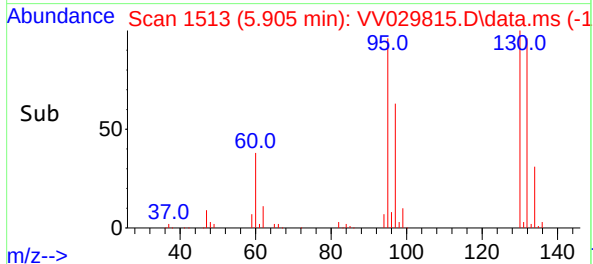
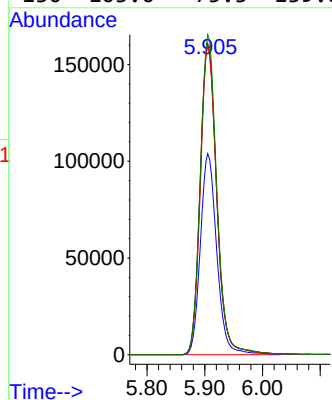
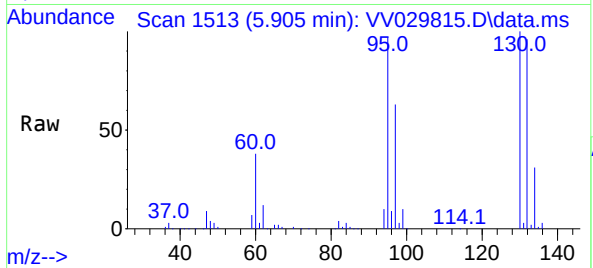




#34
Trichloroethene
Concen: 19.294 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

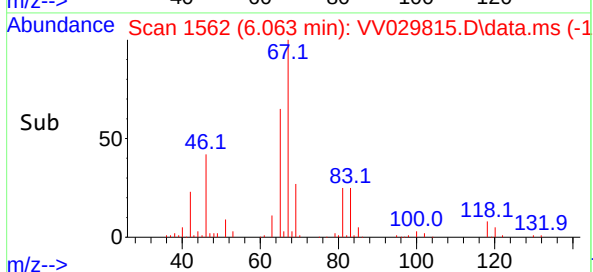
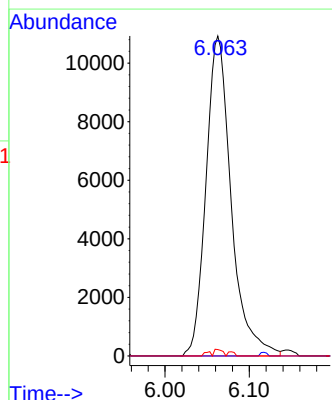
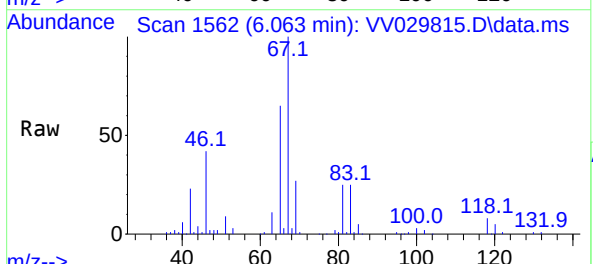
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

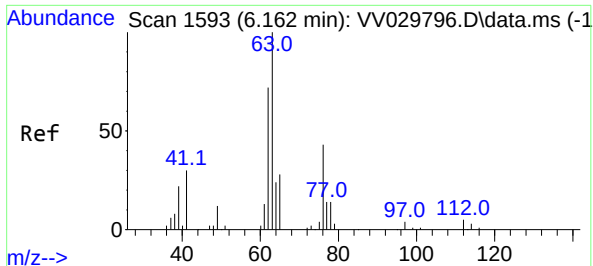
Tgt Ion: 95 Resp: 321202
Ion Ratio Lower Upper
95 100
97 64.7 44.9 83.3
132 99.4 71.8 133.4
130 103.0 75.3 139.8



#35
Methylcyclohexane
Concen: 0.808 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 83 Resp: 22700
Ion Ratio Lower Upper
83 100
55 0.3 57.3 85.9#
98 0.0 39.0 58.6#

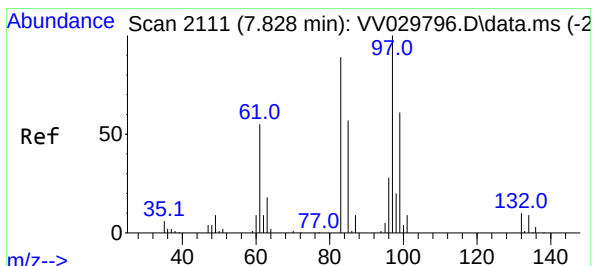
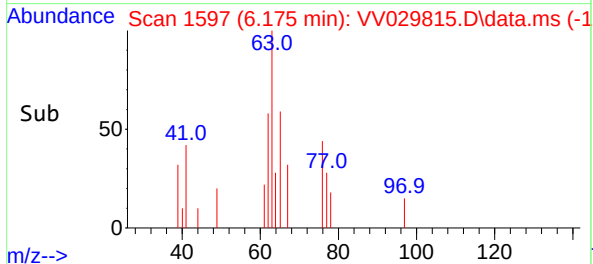
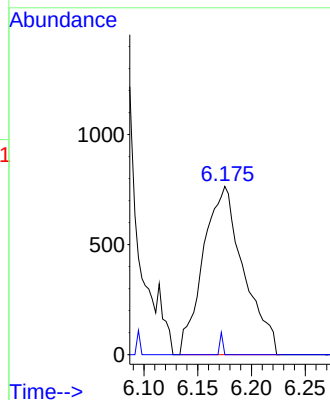
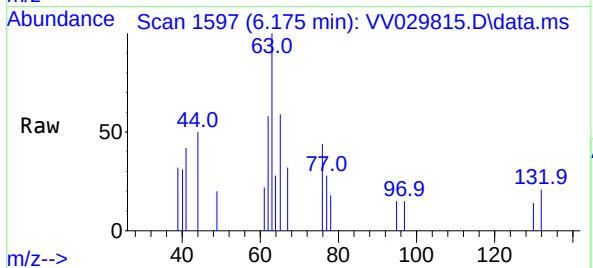




#37
1,2-Dichloropropane
Concen: 0.130 ug/L
RT: 6.175 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

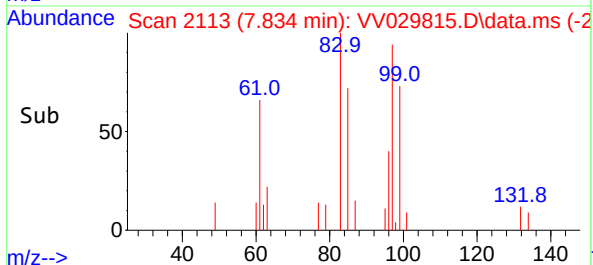
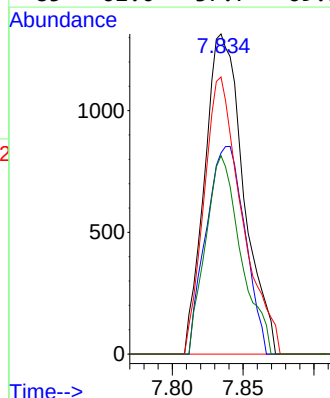
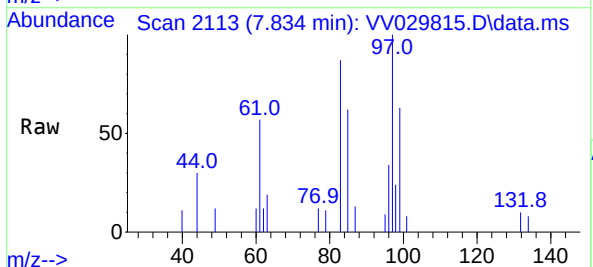
Instrument :
MSVOA_V
ClientSampleId :
BH1X2

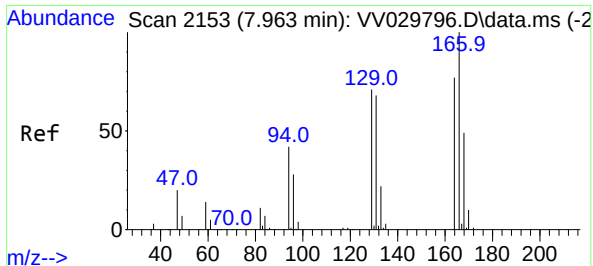
Tgt Ion: 63 Resp: 1999
Ion Ratio Lower Upper
63 100
112 1.0 3.9 5.9#



#45
1,1,2-Trichloroethane
Concen: 0.227 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Tgt Ion: 97 Resp: 2520
Ion Ratio Lower Upper
97 100
99 62.8 41.9 77.7
83 86.5 58.7 109.1
85 62.0 37.7 69.9





#47

Tetrachloroethene

Concen: 0.362 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029815.D

Acq: 13 Jan 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

BH1X2

Tgt Ion:164 Resp: 5068

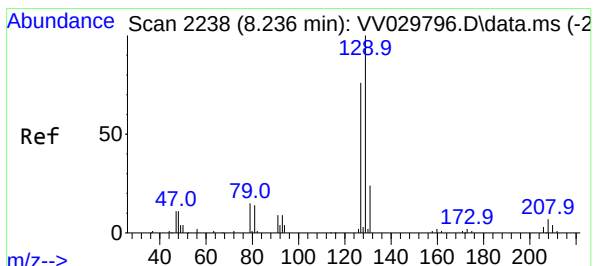
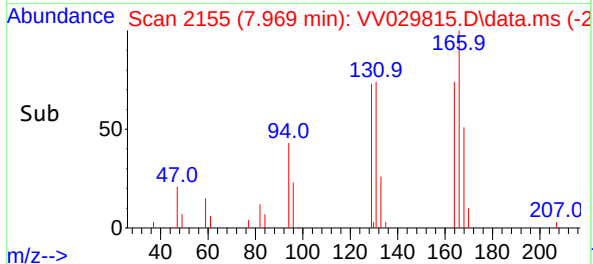
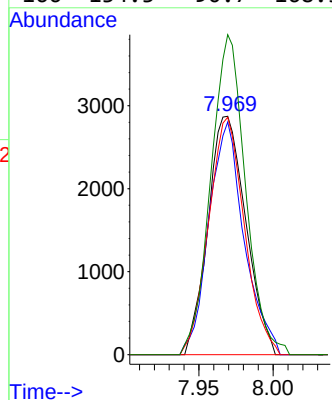
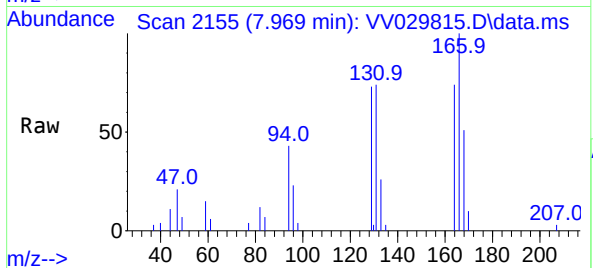
Ion Ratio Lower Upper

164 100

129 97.6 64.5 119.7

131 99.6 62.9 116.7

166 134.3 90.7 168.5



#49

Dibromochloromethane

Concen: 0.351 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029815.D

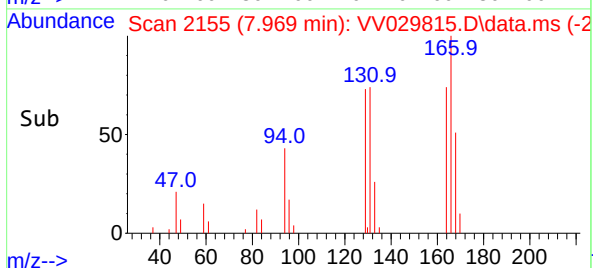
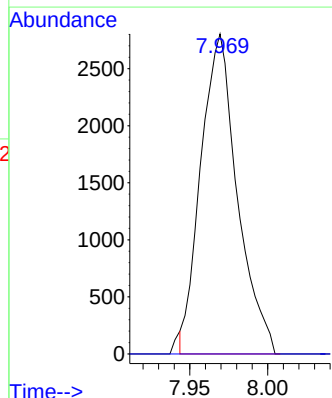
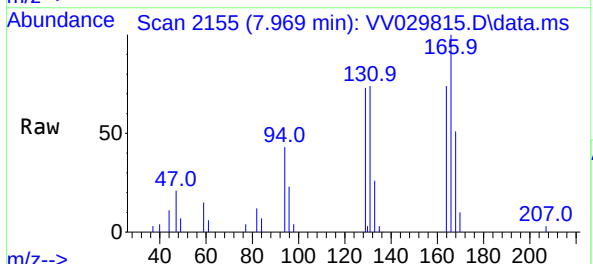
Acq: 13 Jan 2023 17:53

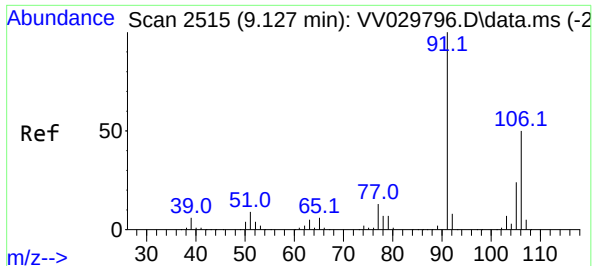
Tgt Ion:129 Resp: 4567

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#





#53

m,p-Xylene

Concen: 0.046 ug/L

RT: 9.130 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV029815.D

Acq: 13 Jan 2023 17:53

Instrument :

MSVOA_V

ClientSampleId :

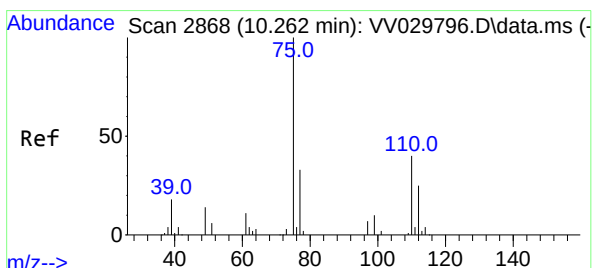
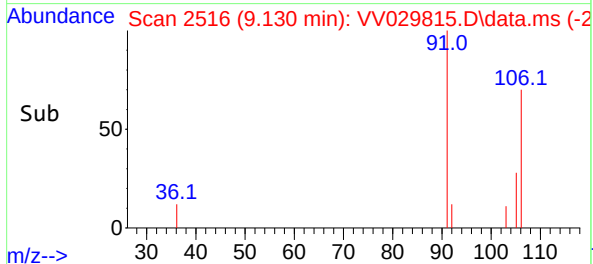
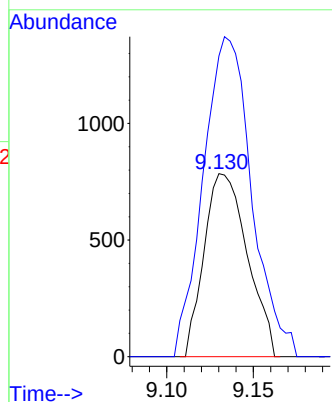
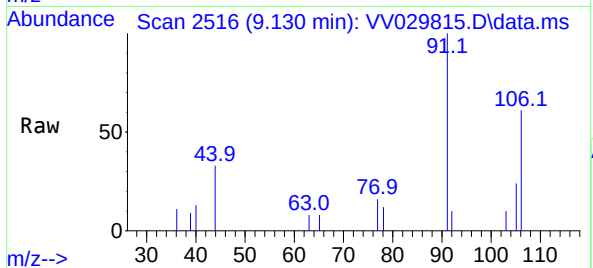
BH1X2

Tgt Ion:106 Resp: 1362

Ion Ratio Lower Upper

106 100

91 164.2 138.7 257.7



#61

1,2,3-Trichloropropane

Concen: 0.063 ug/L

RT: 11.172 min Scan# 3151

Delta R.T. 0.910 min

Lab File: VV029815.D

Acq: 13 Jan 2023 17:53

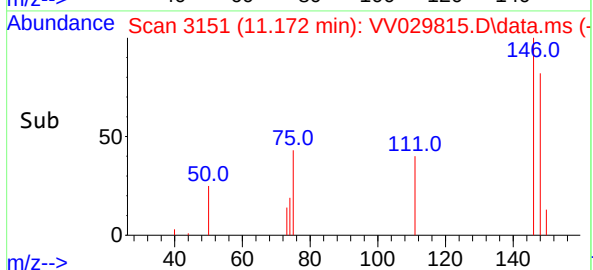
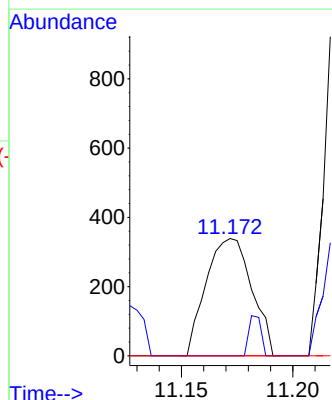
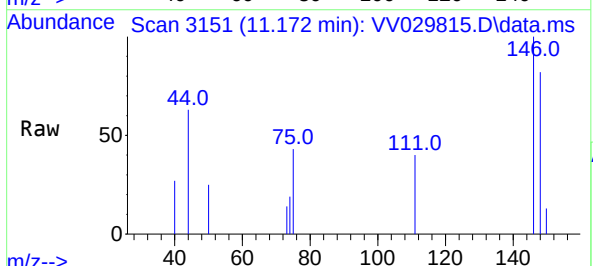
Tgt Ion: 75 Resp: 485

Ion Ratio Lower Upper

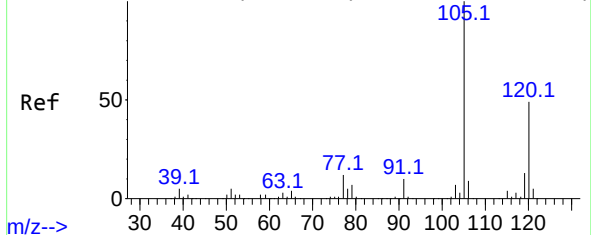
75 100

77 24.3 26.5 39.7#

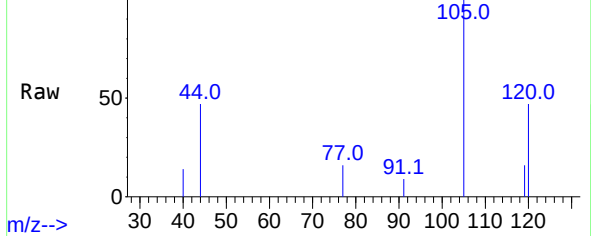
110 0.0 31.8 47.8#



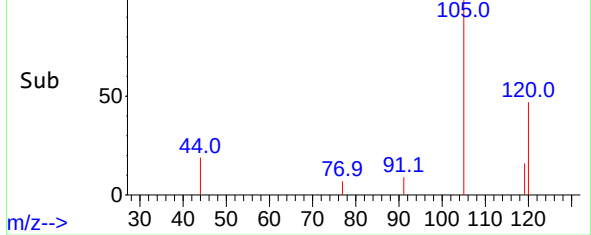
Abundance Scan 2951 (10.529 min): VV029796.D\data.ms (-



Abundance Scan 3068 (10.905 min): VV029815.D\data.ms (-



Abundance Scan 3068 (10.905 min): VV029815.D\data.ms (-



#62
1,3,5-Trimethylbenzene
Concen: 0.031 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.376 min
Lab File: VV029815.D
Acq: 13 Jan 2023 17:53

Instrument :
MSVOA_V
ClientSampleId :
BH1X2

Tgt Ion:105 Resp: 1770
Ion Ratio Lower Upper
105 100
120 50.7 40.1 60.1

