

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029183.D
 Acq On : 19 Nov 2022 20:14
 Operator : SY/MD
 Sample : N5694-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB45

Quant Time: Nov 20 01:01:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:53:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	324666	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	298244	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	144572	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	101379	5.122	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.400%
7) Chloroethane-d5	1.568	69	83802	4.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.108	63	137622	3.815	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	3.883	46	183625	55.421	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.840%
24) Chloroform-d	4.343	84	179576	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.027	65	80393	4.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.047	84	387560	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.066	67	112649	4.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.310	98	338687	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.622	79	32127	3.963	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.085	63	144016	41.615	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.240%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	73377	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	126241	4.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	4052	0.150	ug/L	99
3) Chloromethane	1.240	50	1835	0.082	ug/L	85
5) Vinyl chloride	1.311	62	1204	0.047	ug/L #	1
8) Chloroethane	1.394	64	116994	7.771	ug/L #	52
12) 1,1-Dichloroethene	2.118	96	14624	0.744	ug/L #	1
13) Acetone	2.172	43	9923	4.656	ug/L	86
17) Methyl tert-butyl Ether	2.764	73	17807	0.423	ug/L	96
19) 1,1-Dichloroethane	3.188	63	82492	2.214	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	183561	7.921	ug/L	98
27) 1,2-Dichloroethane	5.143	62	1430	0.071	ug/L #	70
29) 1,1,1-Trichloroethane	4.609	97	5986	0.171	ug/L	99
34) Trichloroethene	5.918	95	24420	1.047	ug/L	98
35) Methylcyclohexane	6.066	83	26075	0.636	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11783	0.561	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2405	0.082	ug/L #	56
42) Toluene	7.391	91	23066	0.234	ug/L	100
52) Ethylbenzene	9.014	91	12837	0.125	ug/L	99
53) m,p-Xylene	9.137	106	16623	0.408	ug/L	93
54) o-Xylene	9.542	106	8307	0.214	ug/L	98

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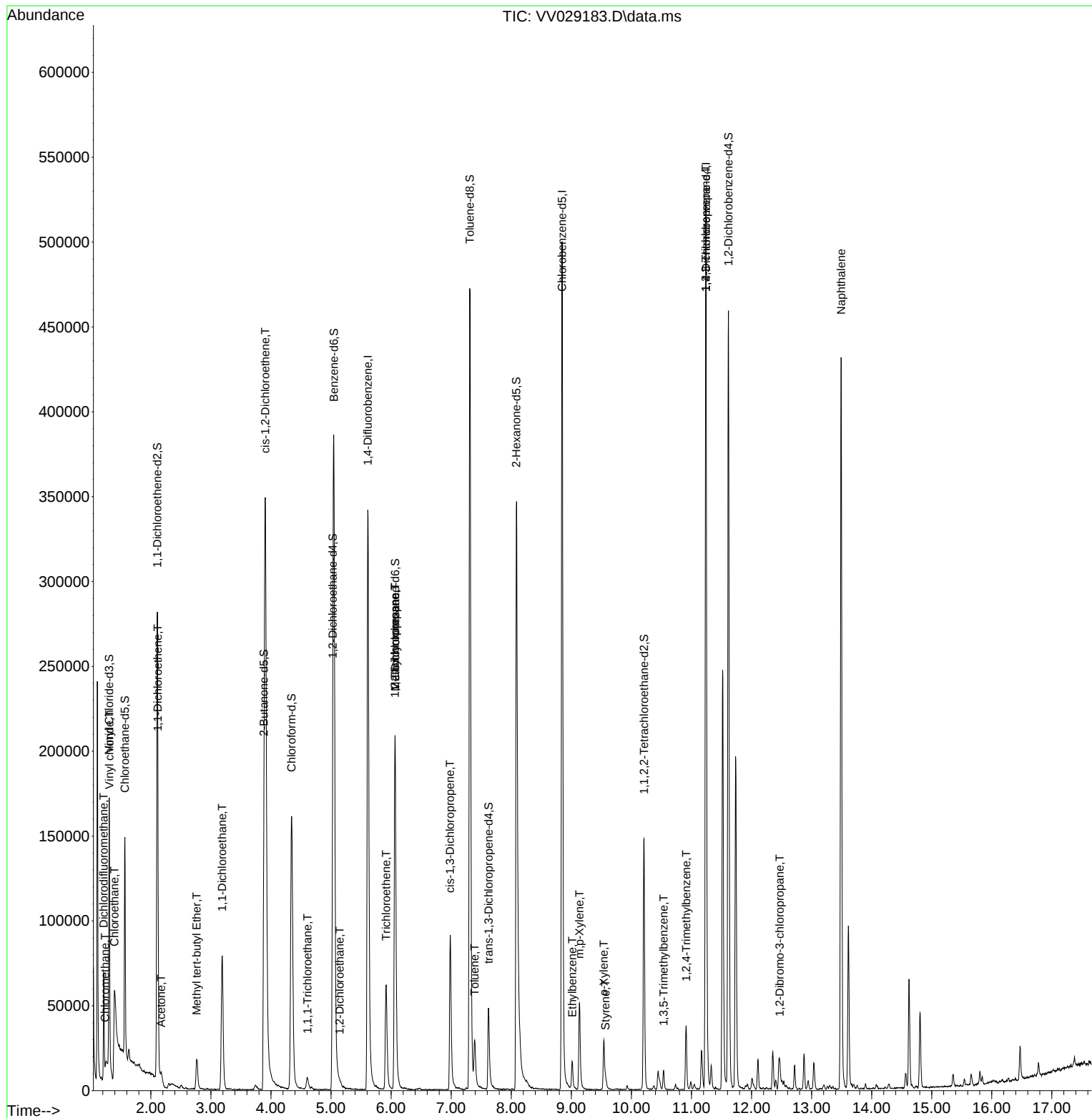
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.567	104	4772	0.073	ug/L #	79
61) 1,2,3-Trichloropropane	11.239	75	15409	1.560	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.535	105	6687	0.084	ug/L	98
63) 1,2,4-Trimethylbenzene	10.911	105	22297	0.280	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.471	75	371	0.191	ug/L #	2
71) Naphthalene	13.493	128	349846	10.538	ug/L	99

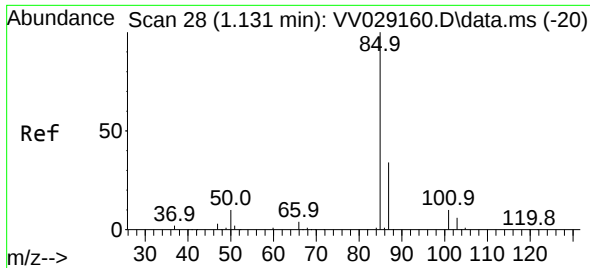
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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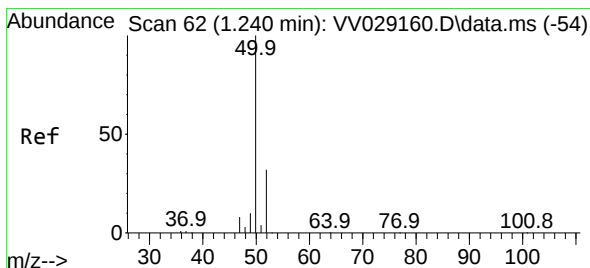
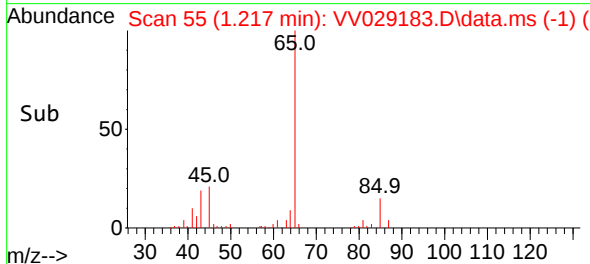
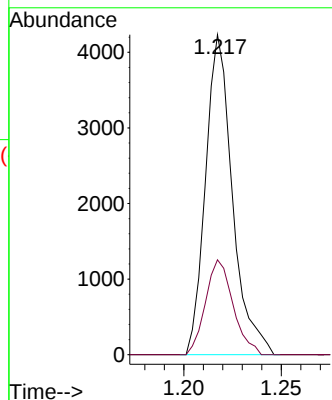
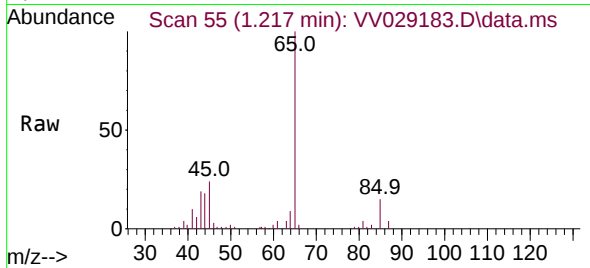




#2
 Dichlorodifluoromethane
 Concen: 0.150 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.087 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

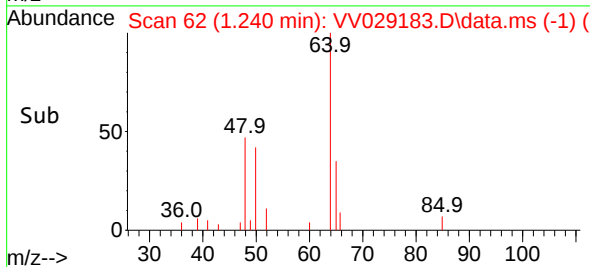
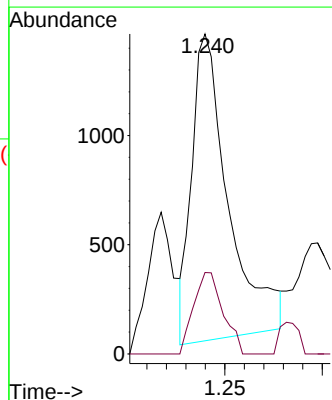
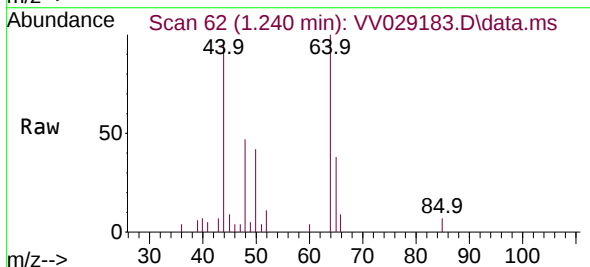
Instrument :
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 ClientSampleId :
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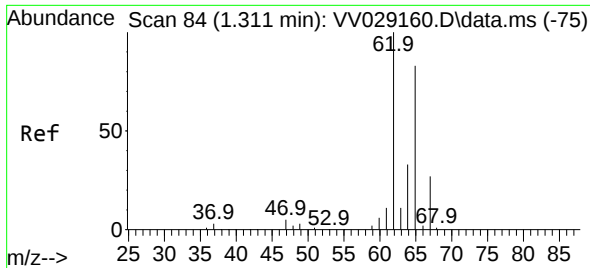
Tgt Ion: 85 Resp: 4052
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.0 37.4



#3
 Chloromethane
 Concen: 0.082 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

Tgt Ion: 50 Resp: 1835
 Ion Ratio Lower Upper
 50 100
 52 25.5 23.7 43.9

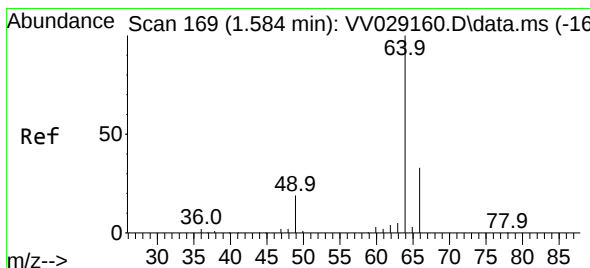
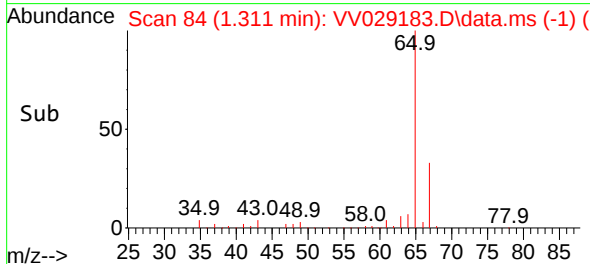
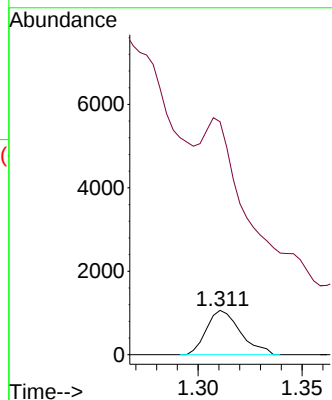
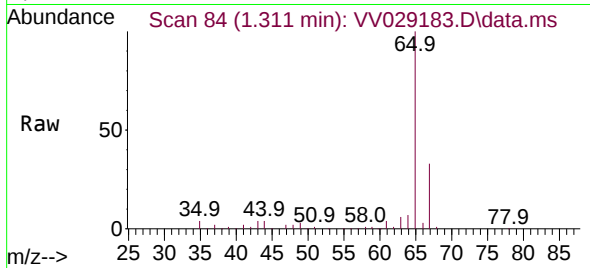




#5
 Vinyl chloride
 Concen: 0.047 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

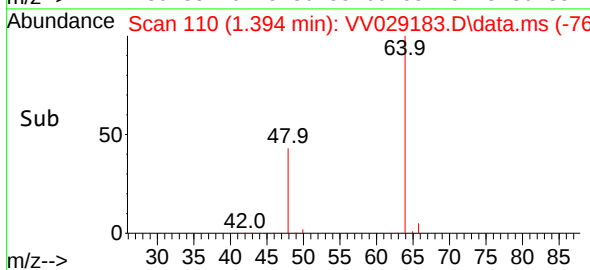
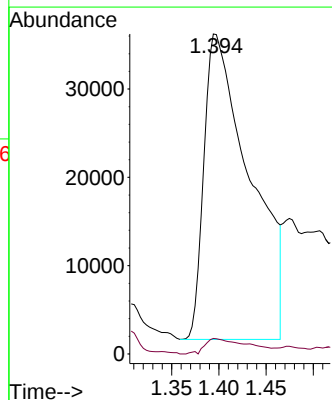
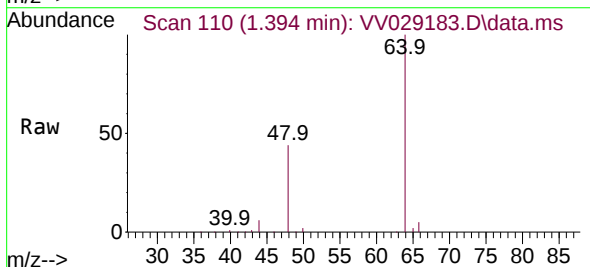
Instrument :
 MSVOA_V
 ClientSampleId :
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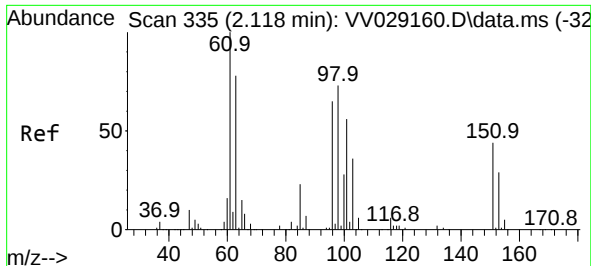
Tgt Ion: 62 Resp: 1204
 Ion Ratio Lower Upper
 62 100
 64 526.4 22.8 42.4#



#8
 Chloroethane
 Concen: 7.771 ug/L
 RT: 1.394 min Scan# 110
 Delta R.T. -0.190 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

Tgt Ion: 64 Resp: 116994
 Ion Ratio Lower Upper
 64 100
 66 4.9 22.0 40.8#

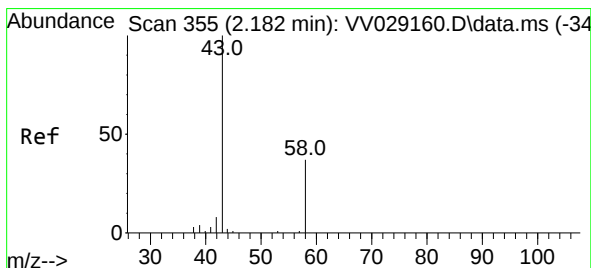
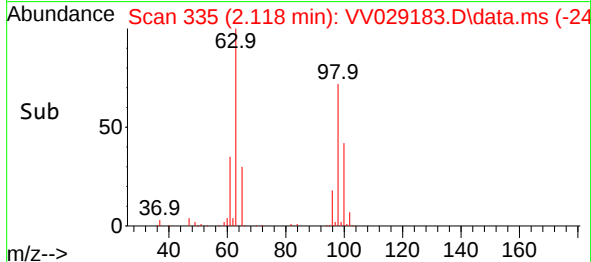
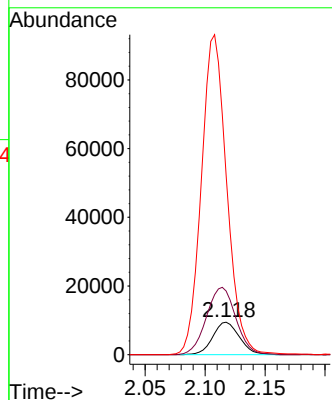
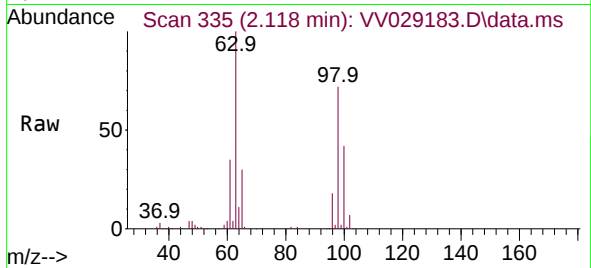




#12
 1,1-Dichloroethene
 Concen: 0.744 ug/L
 RT: 2.118 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

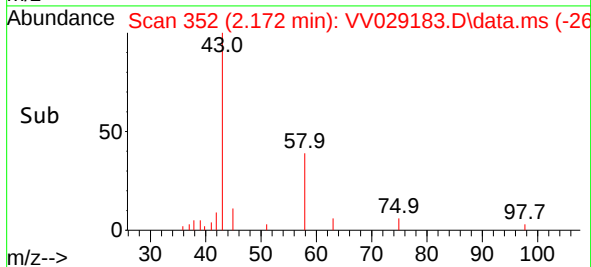
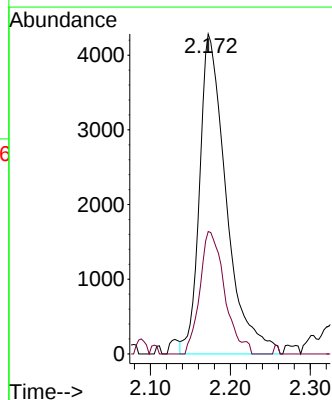
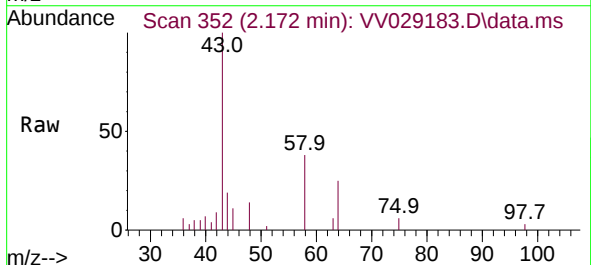
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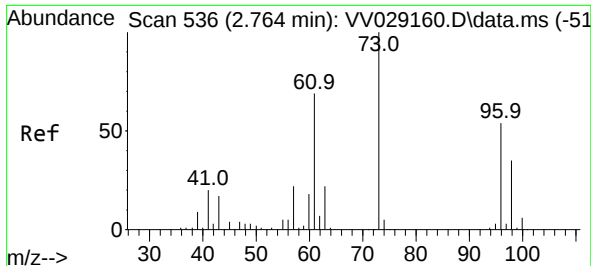
Tgt Ion: 96 Resp: 14624
 Ion Ratio Lower Upper
 96 100
 61 195.6 104.2 193.4#
 63 551.8 75.9 140.9#



#13
 Acetone
 Concen: 4.656 ug/L
 RT: 2.172 min Scan# 352
 Delta R.T. -0.010 min
 Lab File: VV029183.D
 Acq: 19 Nov 2022 20:14

Tgt Ion: 43 Resp: 9923
 Ion Ratio Lower Upper
 43 100
 58 35.5 0.0 56.6

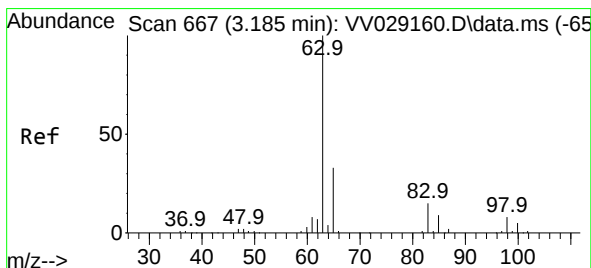
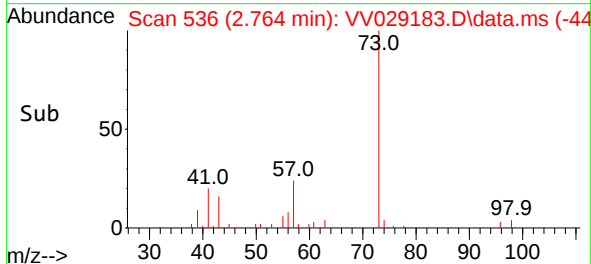
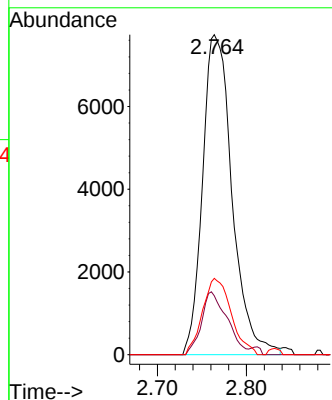
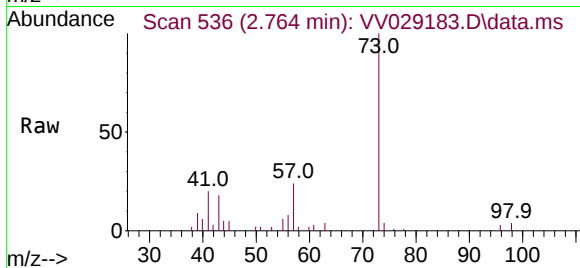




#17
Methyl tert-butyl Ether
Concen: 0.423 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

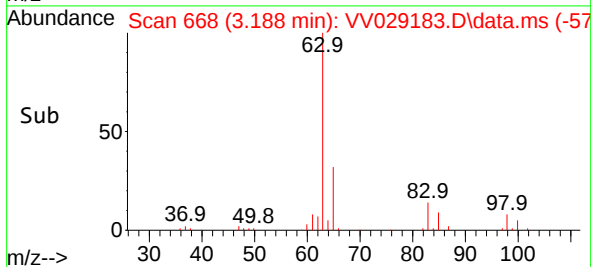
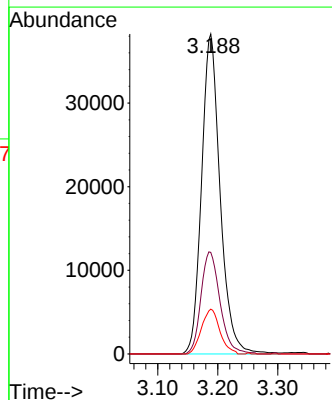
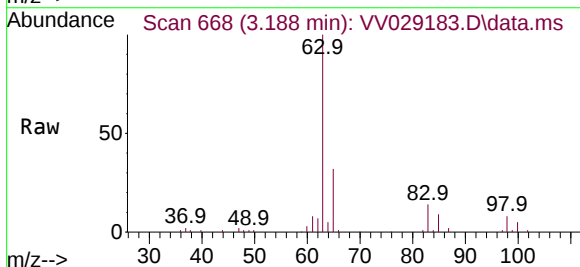
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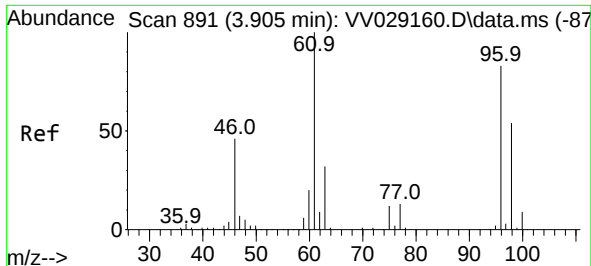
Tgt Ion: 73	Resp:	17807	
Ion	Ratio	Lower	Upper
73	100		
43	17.1	13.0	19.4
57	23.1	16.6	24.8



#19
1,1-Dichloroethane
Concen: 2.214 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

Tgt Ion: 63	Resp:	82492	
Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.0	42.6
83	14.0	9.4	17.6





#22

cis-1,2-Dichloroethene

Concen: 7.921 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Instrument :

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ClientSampleId :

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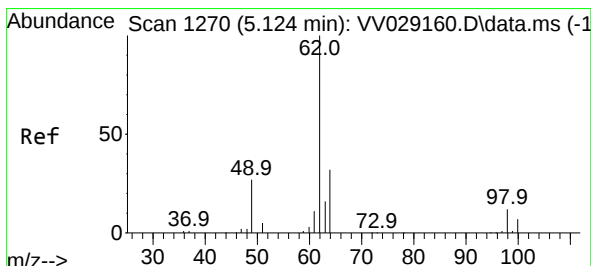
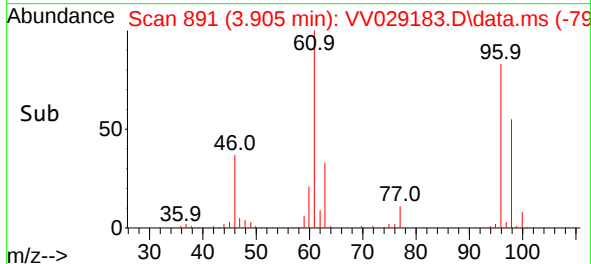
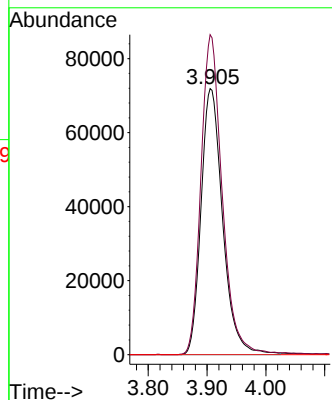
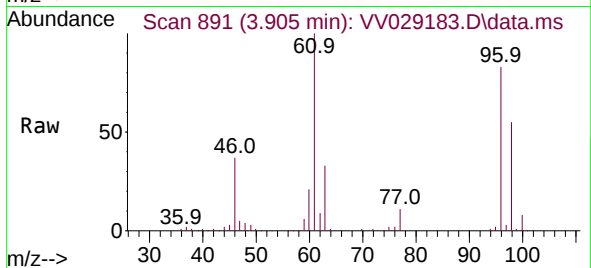
Tgt Ion: 96 Resp: 183561

Ion Ratio Lower Upper

96 100

61 120.3 82.3 152.9

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.071 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.019 min

Lab File: VV029183.D

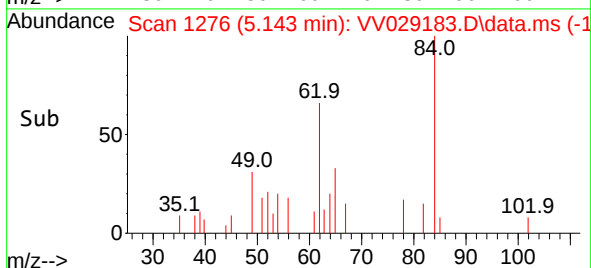
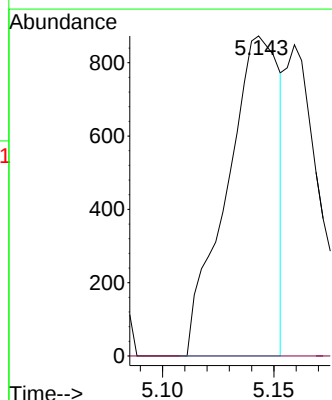
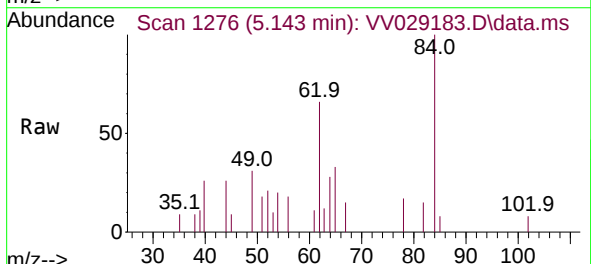
Acq: 19 Nov 2022 20:14

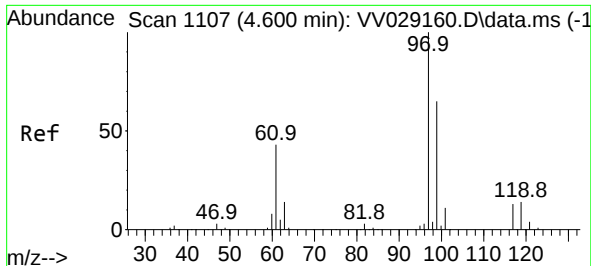
Tgt Ion: 62 Resp: 1430

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#





#29

1,1,1-Trichloroethane

Concen: 0.171 ug/L

RT: 4.609 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Instrument :

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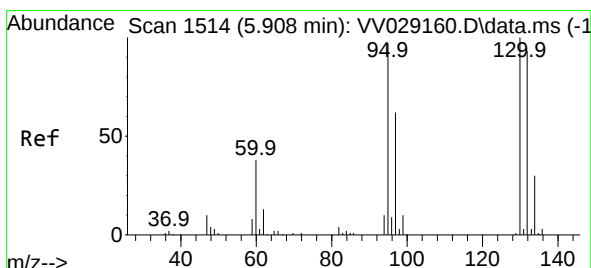
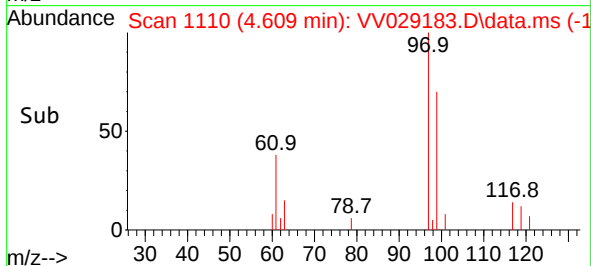
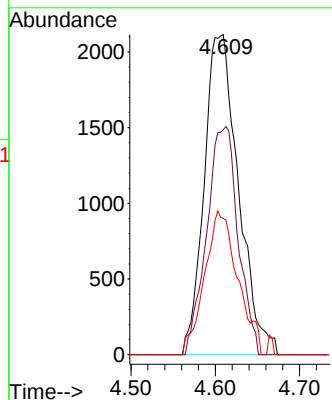
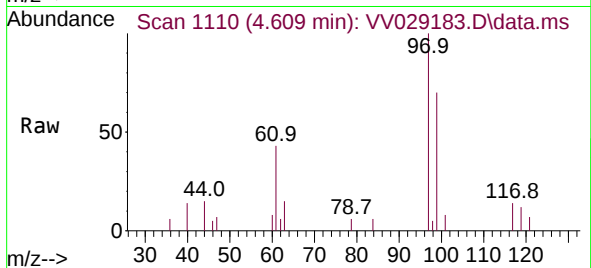
Tgt Ion: 97 Resp: 5986

Ion Ratio Lower Upper

97 100

99 65.1 52.7 79.1

61 43.4 33.8 50.6



#34

Trichloroethene

Concen: 1.047 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Tgt Ion: 95 Resp: 24420

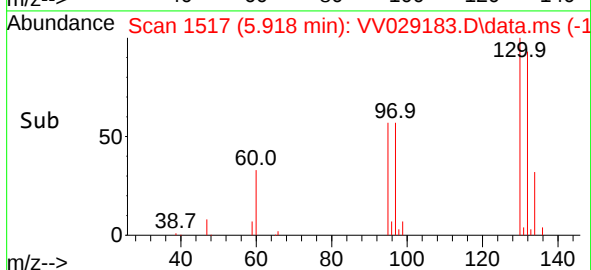
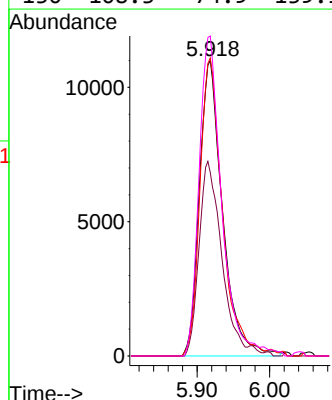
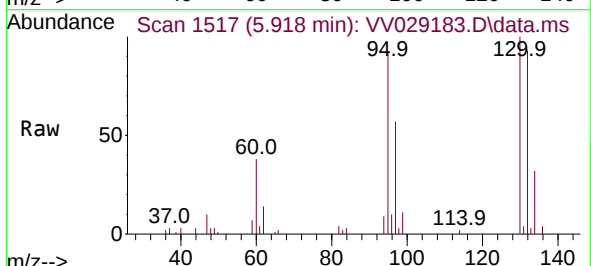
Ion Ratio Lower Upper

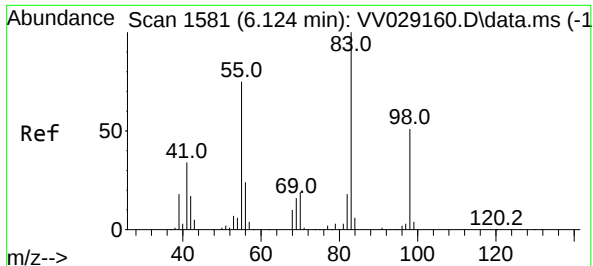
95 100

97 62.1 45.6 84.8

132 100.9 69.1 128.3

130 108.3 74.9 139.1





#35

Methylcyclohexane

Concen: 0.636 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

BHB45

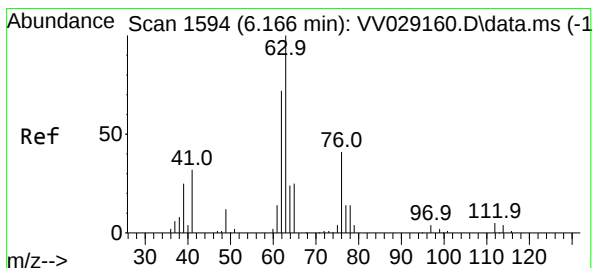
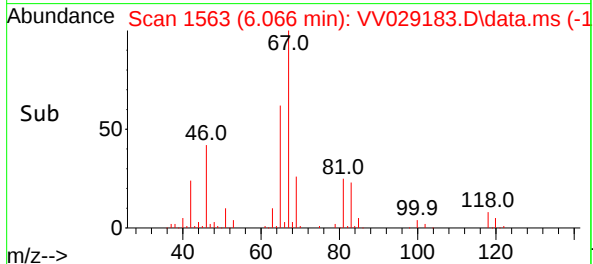
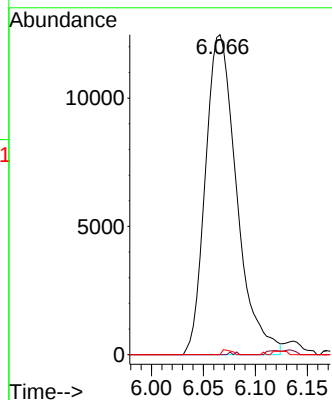
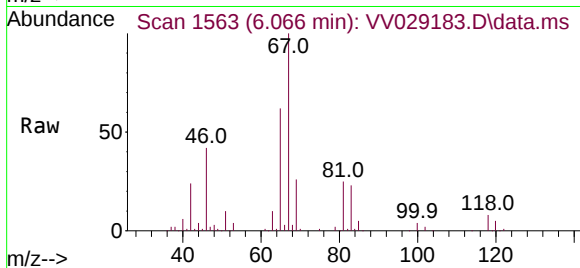
Tgt Ion: 83 Resp: 26075

Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 0.5 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.561 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.103 min

Lab File: VV029183.D

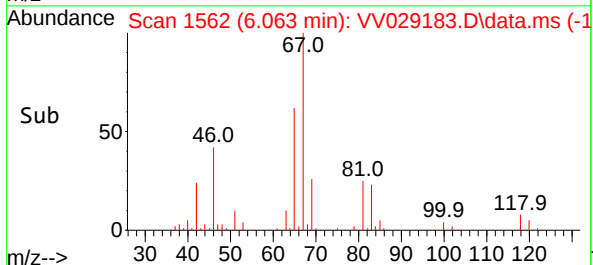
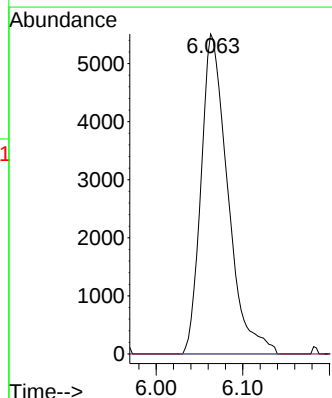
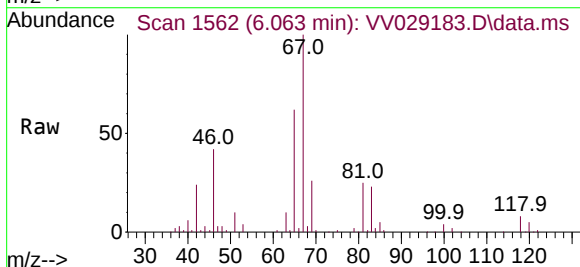
Acq: 19 Nov 2022 20:14

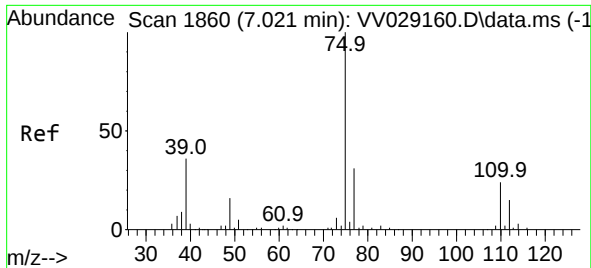
Tgt Ion: 63 Resp: 11783

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

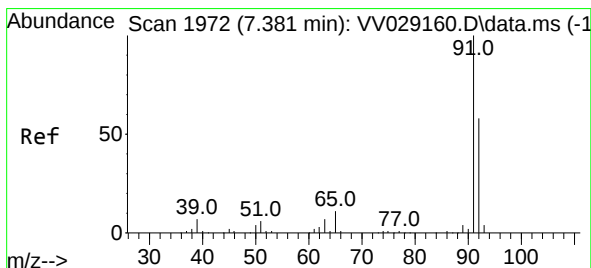
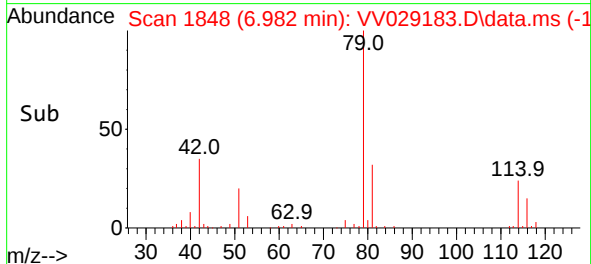
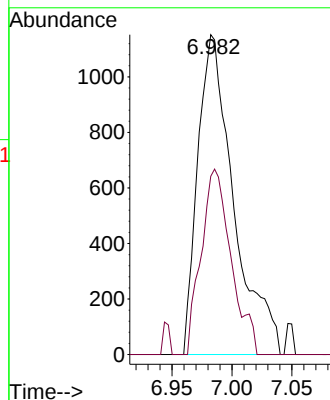
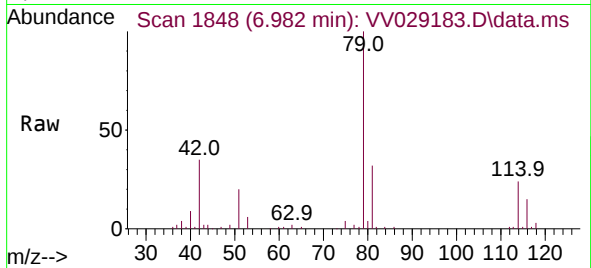
BHB45

Tgt Ion: 75 Resp: 2405

Ion Ratio Lower Upper

75 100

77 55.7 21.8 40.6#



#42

Toluene

Concen: 0.234 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.010 min

Lab File: VV029183.D

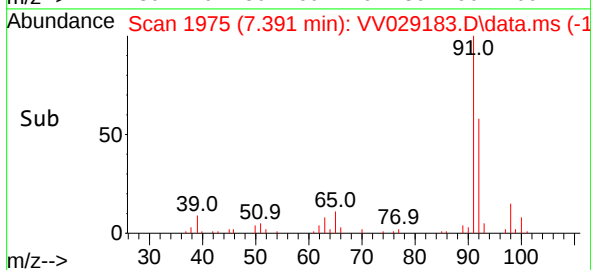
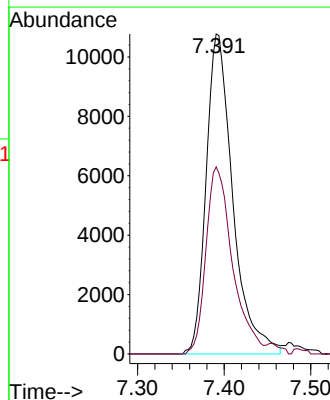
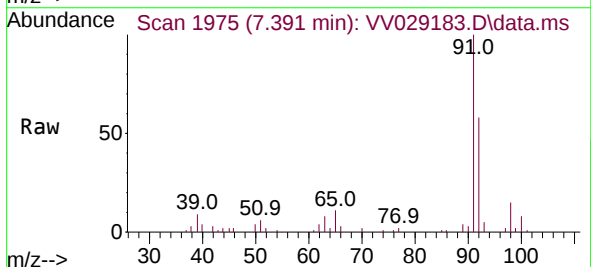
Acq: 19 Nov 2022 20:14

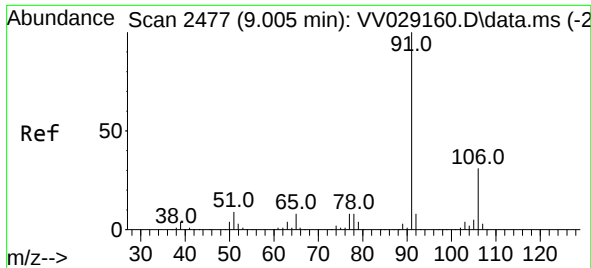
Tgt Ion: 91 Resp: 23066

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.5

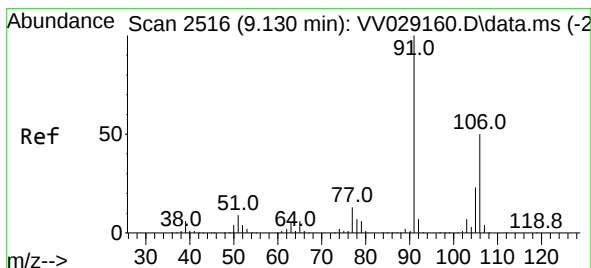
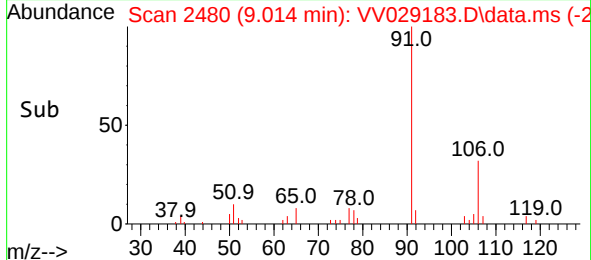
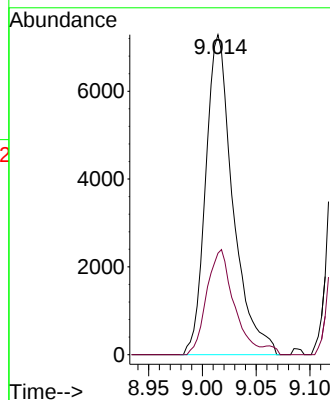
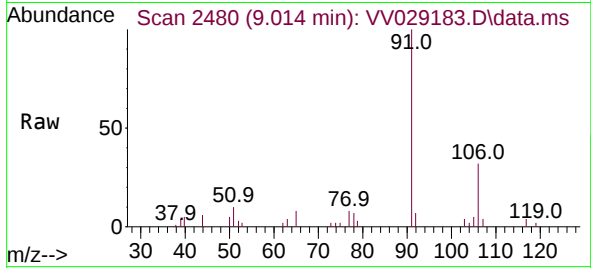




#52
Ethylbenzene
Concen: 0.125 ug/L
RT: 9.014 min Scan# 2477
Delta R.T. 0.010 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

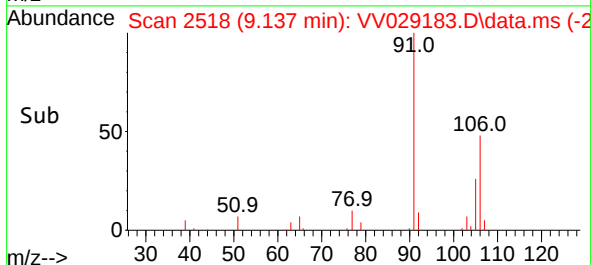
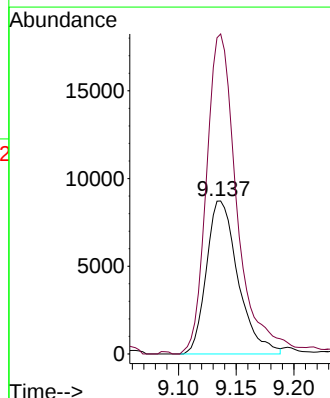
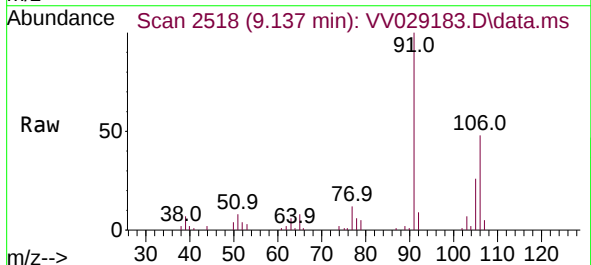
Instrument :
MSVOA_V
ClientSampleId :
BHB45

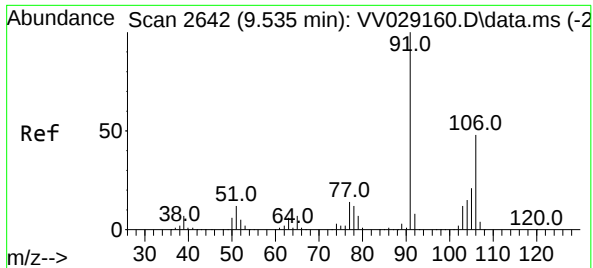
Tgt Ion: 91 Resp: 12837
Ion Ratio Lower Upper
91 100
106 31.7 21.6 40.2



#53
m,p-Xylene
Concen: 0.408 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

Tgt Ion: 106 Resp: 16623
Ion Ratio Lower Upper
106 100
91 209.2 139.1 258.3

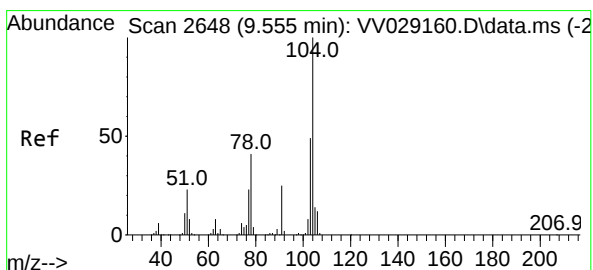
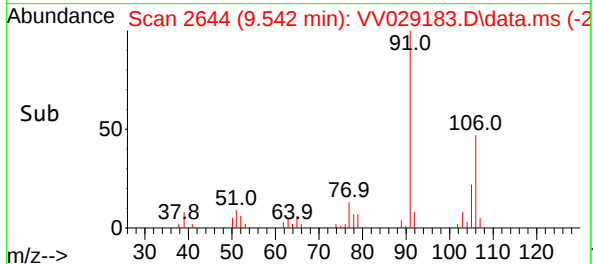
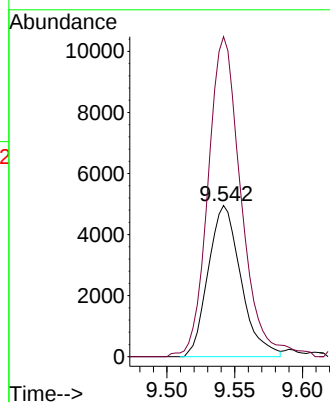
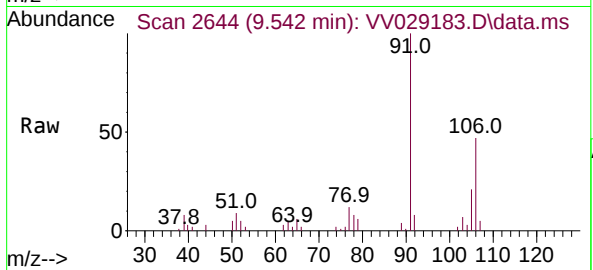




#54
o-Xylene
Concen: 0.214 ug/L
RT: 9.542 min Scan# 2642
Delta R.T. 0.006 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

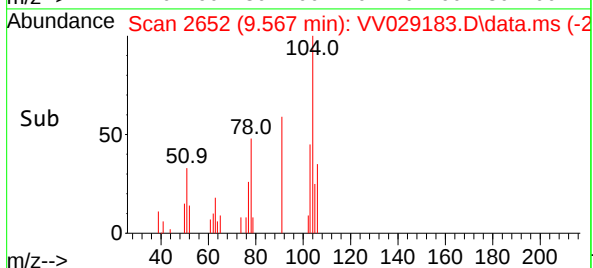
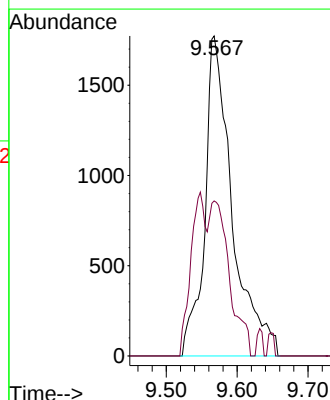
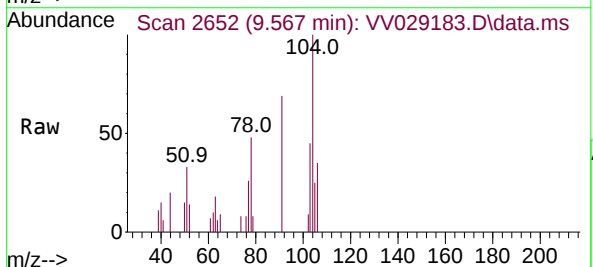
Instrument :
MSVOA_V
ClientSampleId :
BHB45

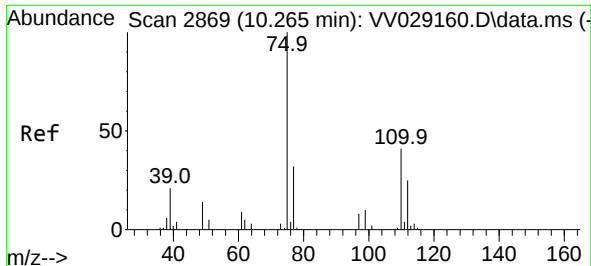
Tgt Ion:106 Resp: 8307
Ion Ratio Lower Upper
106 100
91 211.6 145.7 270.7



#55
Styrene
Concen: 0.073 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.013 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

Tgt Ion:104 Resp: 4772
Ion Ratio Lower Upper
104 100
78 56.7 30.1 55.9#

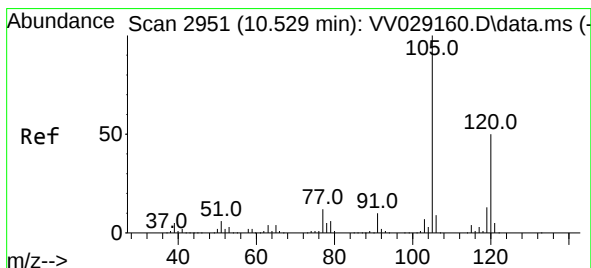
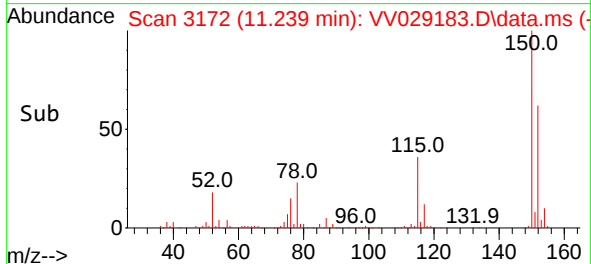
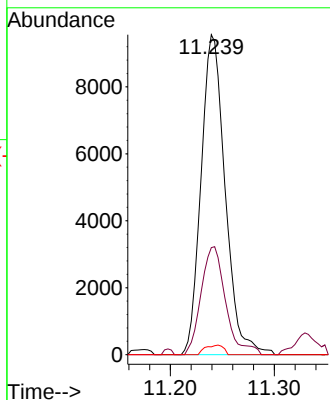
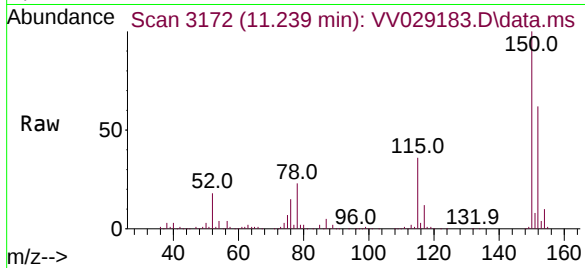




#61
1,2,3-Trichloropropane
Concen: 1.560 ug/L
RT: 11.239 min Scan# 31
Delta R.T. 0.974 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

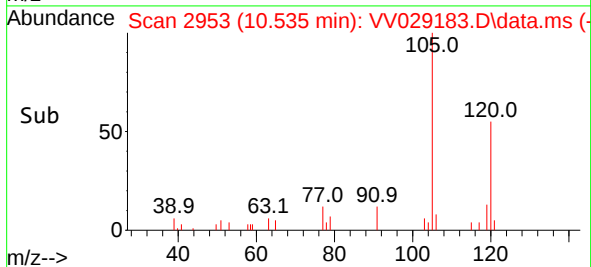
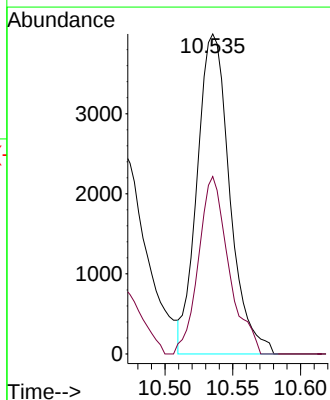
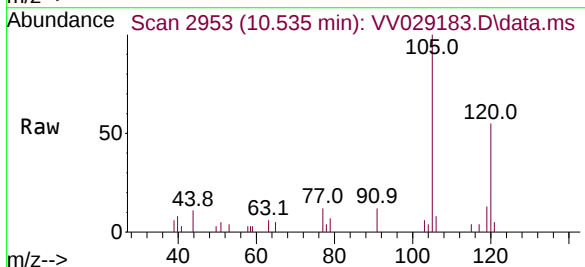
Instrument :
MSVOA_V
ClientSampleId :
BHB45

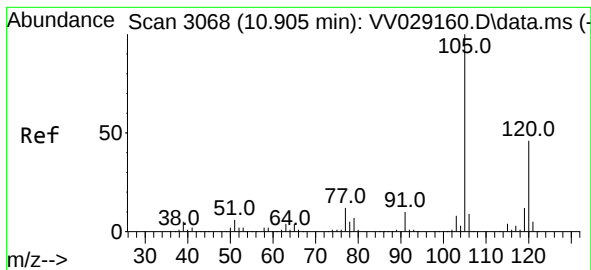
Tgt Ion: 75 Resp: 15409
Ion Ratio Lower Upper
75 100
77 34.4 26.2 39.2
110 2.3 32.6 48.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.084 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. 0.006 min
Lab File: VV029183.D
Acq: 19 Nov 2022 20:14

Tgt Ion: 105 Resp: 6687
Ion Ratio Lower Upper
105 100
120 51.5 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.280 ug/L

RT: 10.911 min Scan# 3068

Delta R.T. 0.006 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

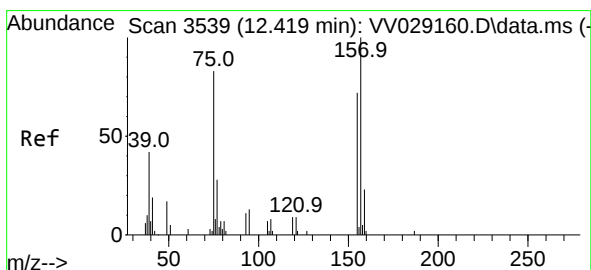
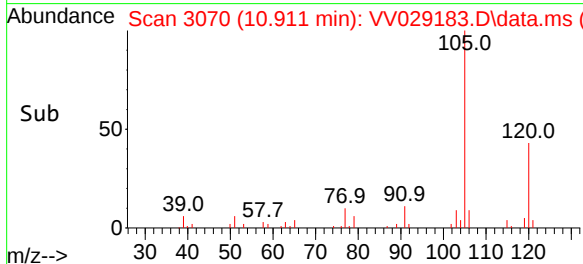
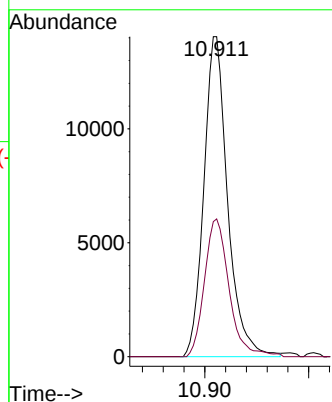
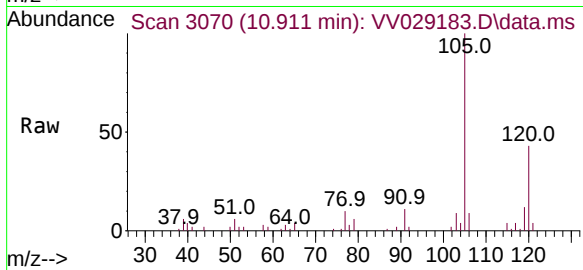
BHB45

Tgt Ion:105 Resp: 22297

Ion Ratio Lower Upper

105 100

120 44.6 37.8 56.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.191 ug/L

RT: 12.471 min Scan# 3555

Delta R.T. 0.051 min

Lab File: VV029183.D

Acq: 19 Nov 2022 20:14

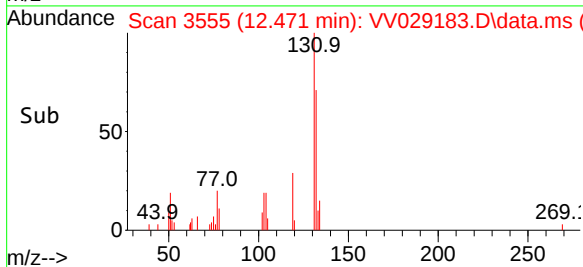
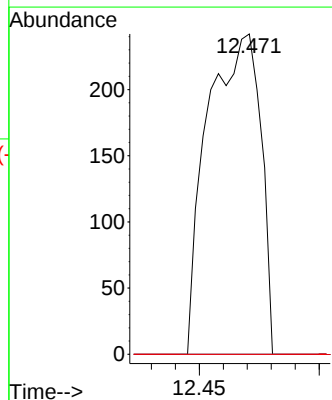
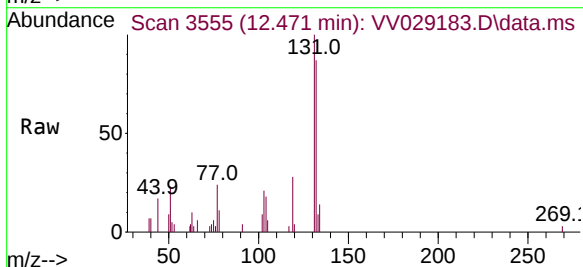
Tgt Ion: 75 Resp: 371

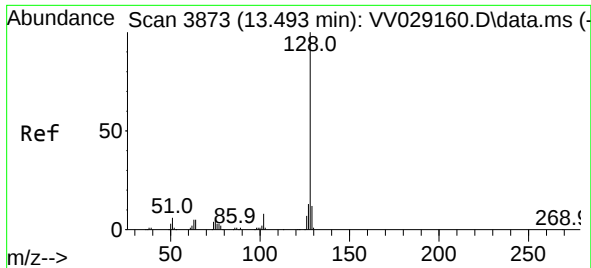
Ion Ratio Lower Upper

75 100

155 0.0 64.8 97.2#

157 0.0 86.3 129.5#





#71

Naphthalene

Concen: 10.538 ug/L

RT: 13.493 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029183.D

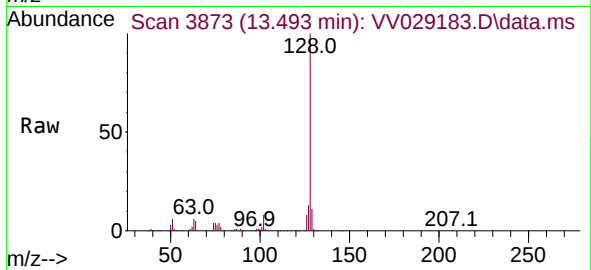
Acq: 19 Nov 2022 20:14

Instrument :

MSVOA_V

ClientSampleId :

BHB45



Tgt Ion:128 Resp: 349846

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 9.8 14.8

