

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029235.D
 Acq On : 20 Nov 2022 19:17
 Operator : SY/MD
 Sample : N5652-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:00:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	314765	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	286672	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	131666	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	91144	4.750	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.000%	
7) Chloroethane-d5	1.568	69	76036	4.507	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.200%	
11) 1,1-Dichloroethene-d2	2.105	63	113856	3.256	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	65.200%	
20) 2-Butanone-d5	3.896	46	184291	57.371	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	114.740%	
24) Chloroform-d	4.343	84	175151	4.446	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.000%	
26) 1,2-Dichloroethane-d4	5.027	65	81549	4.600	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.000%	
32) Benzene-d6	5.047	84	357196	4.174	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.400%	
36) 1,2-Dichloropropane-d6	6.066	67	106721	4.466	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.400%	
41) Toluene-d8	7.310	98	310036	4.025	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.600%	
43) trans-1,3-Dichloroprop...	7.622	79	33061	4.242	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.800%	
46) 2-Hexanone-d5	8.088	63	150216	45.159	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	90.320%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	77729	4.692	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	93.800%	
66) 1,2-Dichlorobenzene-d4	11.616	152	114114	4.844	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2181	0.100	ug/L	88
8) Chloroethane	1.455	64	19131	1.311	ug/L #	53
9) Trichlorofluoromethane	1.751	101	3004	0.090	ug/L	87
17) Methyl tert-butyl Ether	2.767	73	15081	0.369	ug/L #	95
19) 1,1-Dichloroethane	3.188	63	3143	0.087	ug/L	96
25) Chloroform	4.372	83	19528	0.516	ug/L	93
27) 1,2-Dichloroethane	5.044	62	1687	0.086	ug/L #	70
29) 1,1,1-Trichloroethane	4.606	97	1076	0.032	ug/L #	86
34) Trichloroethene	5.921	95	5988	0.267	ug/L	91
35) Methylcyclohexane	6.066	83	26623	0.675	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11015	0.545	ug/L #	85
38) Bromodichloromethane	6.513	83	1607	0.063	ug/L #	95
39) cis-1,3-Dichloropropene	6.982	75	2036	0.072	ug/L #	32
47) Tetrachloroethene	7.969	164	58639	3.265	ug/L	99
49) Dibromochloromethane	7.969	129	53690	3.358	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.246	75	441	0.249	ug/L #	2

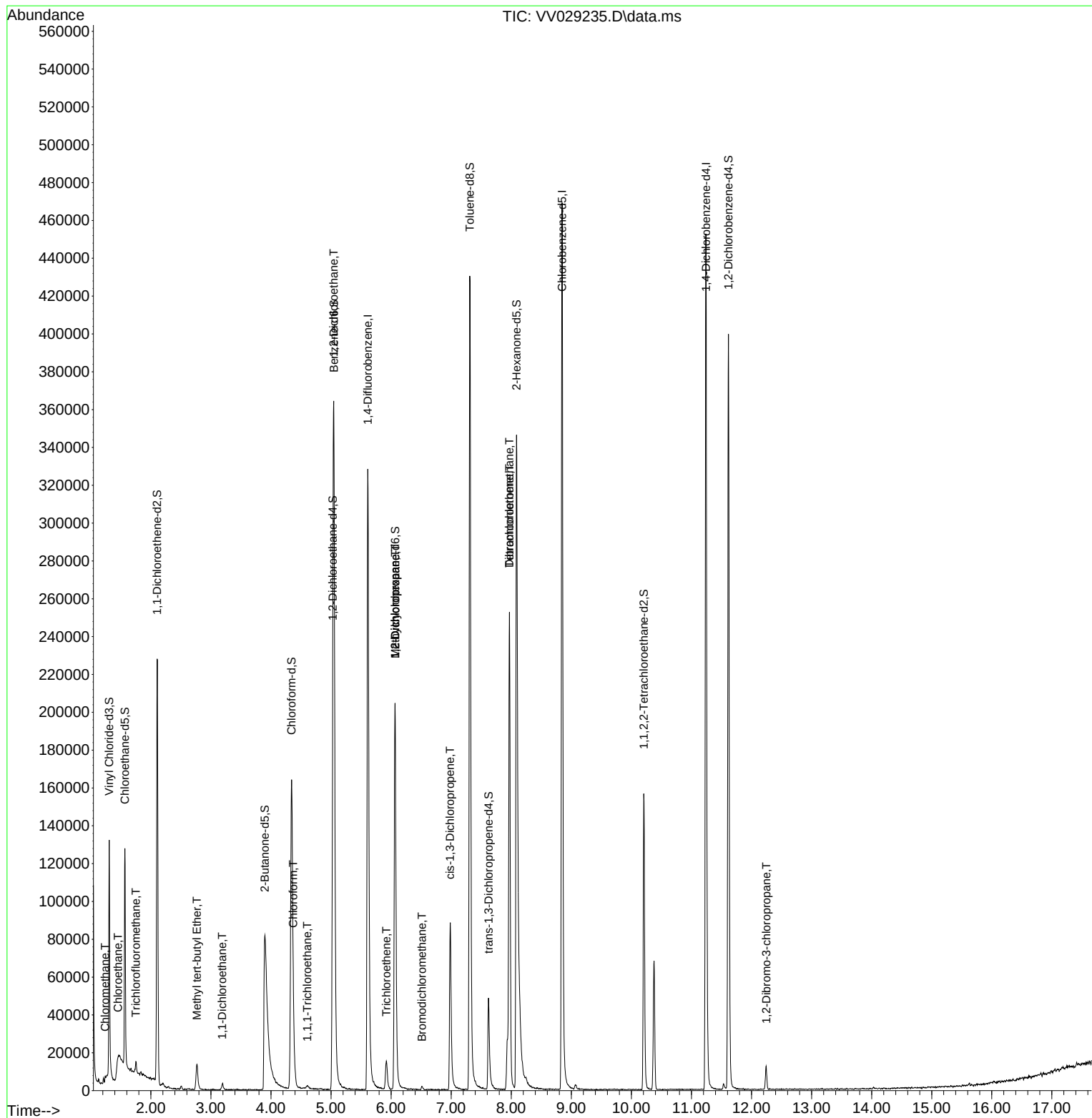
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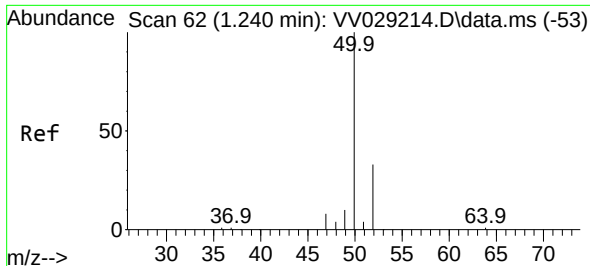
Instrument :
MSVOA_V
ClientSampleId :

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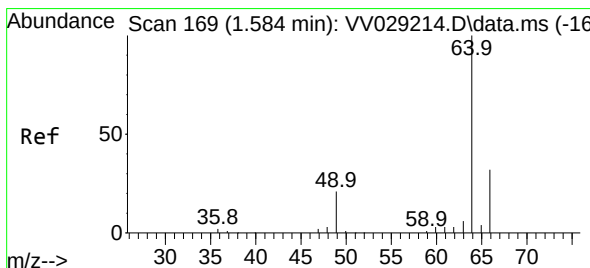
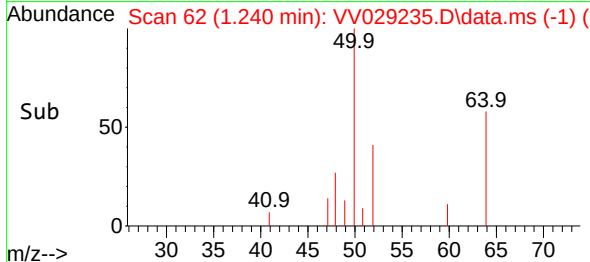
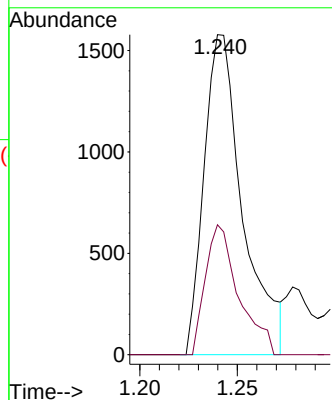
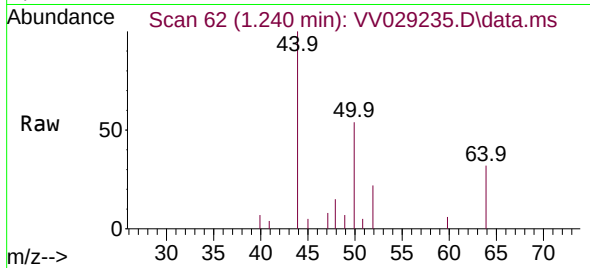




#3
Chloromethane
Concen: 0.100 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029235.D
Acq: 20 Nov 2022 19:17

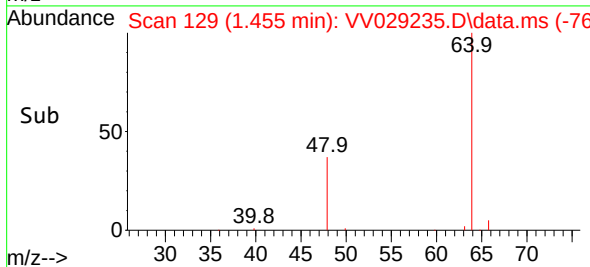
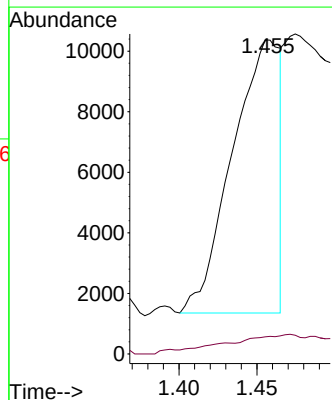
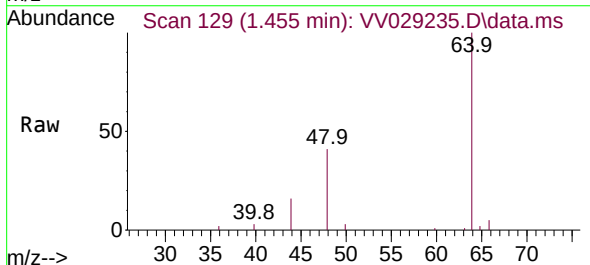
Instrument :
MSVOA_V
ClientSampleId :

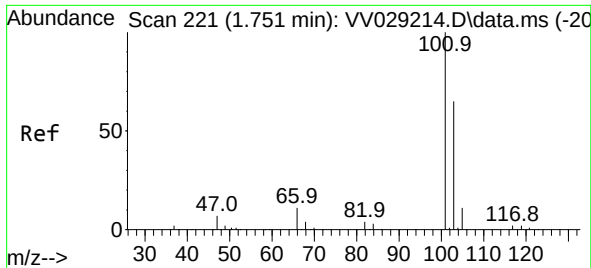
Tgt Ion: 50 Resp: 2181
Ion Ratio Lower Upper
50 100
52 40.6 23.7 43.9



#8
Chloroethane
Concen: 1.311 ug/L
RT: 1.455 min Scan# 129
Delta R.T. -0.129 min
Lab File: VV029235.D
Acq: 20 Nov 2022 19:17

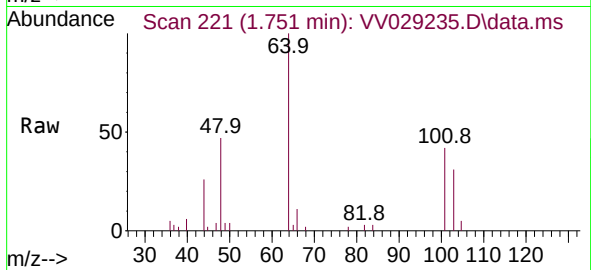
Tgt Ion: 64 Resp: 19131
Ion Ratio Lower Upper
64 100
66 5.4 22.0 40.8#



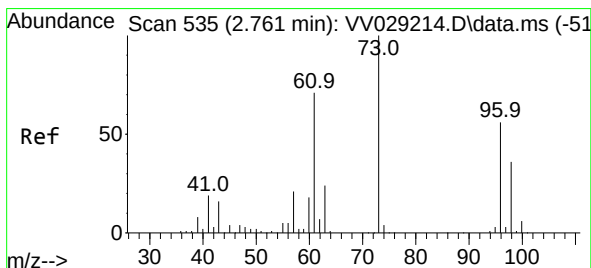
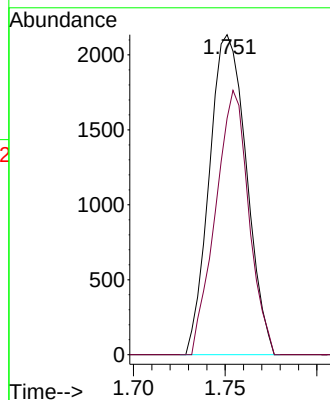
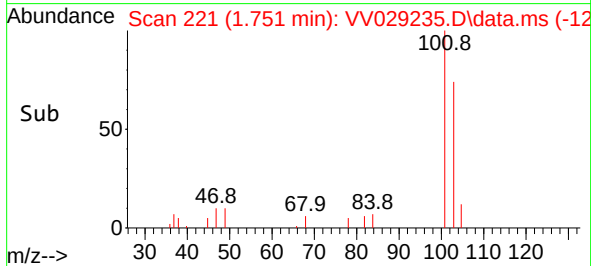


#9
 Trichlorofluoromethane
 Concen: 0.090 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029235.D
 Acq: 20 Nov 2022 19:17

Instrument :
 MSVOA_V
 ClientSampleId :

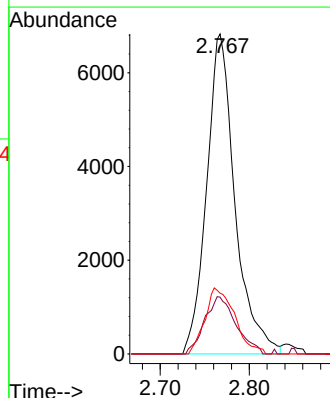
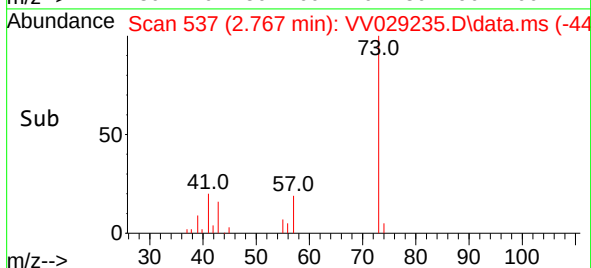
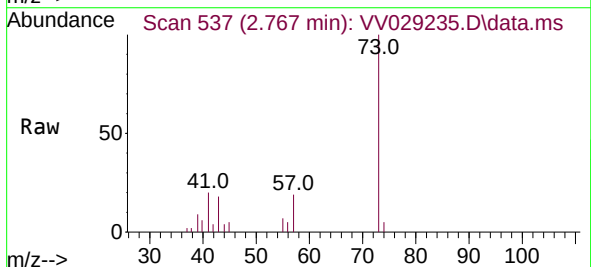


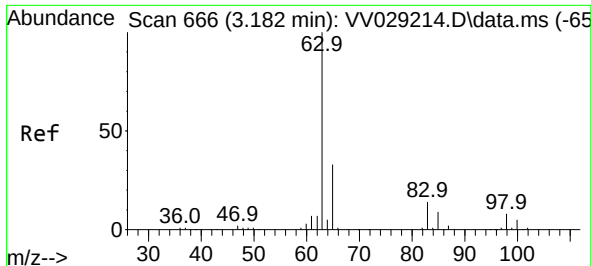
Tgt Ion:101 Resp: 3004
 Ion Ratio Lower Upper
 101 100
 103 74.1 51.3 76.9



#17
 Methyl tert-butyl Ether
 Concen: 0.369 ug/L
 RT: 2.767 min Scan# 537
 Delta R.T. 0.006 min
 Lab File: VV029235.D
 Acq: 20 Nov 2022 19:17

Tgt Ion: 73 Resp: 15081
 Ion Ratio Lower Upper
 73 100
 43 19.8 13.0 19.4#
 57 21.6 16.6 24.8





#19

1,1-Dichloroethane

Concen: 0.087 ug/L

RT: 3.188 min Scan# 60

Delta R.T. 0.006 min

Lab File: VV029235.D

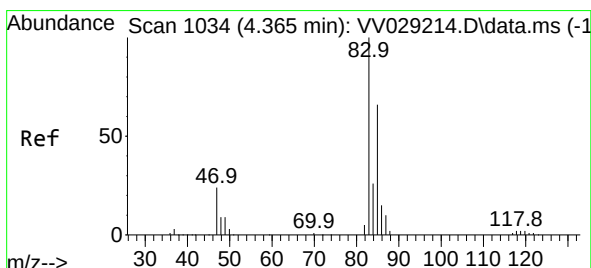
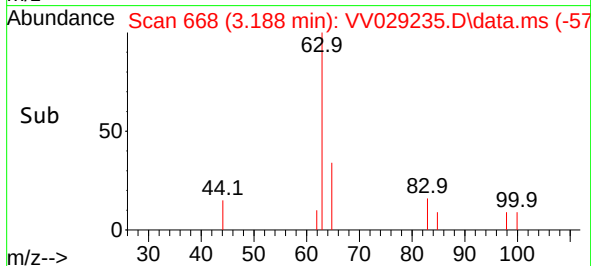
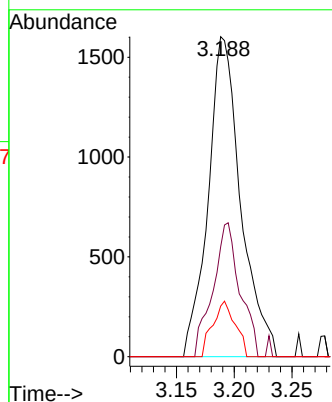
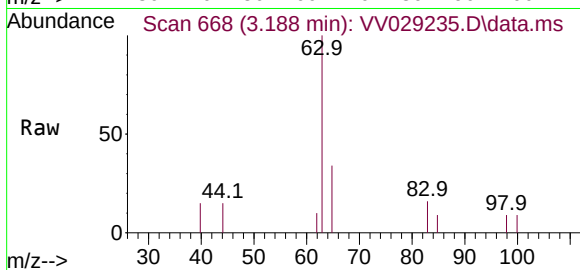
Acq: 20 Nov 2022 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 3143
Ion Ratio	Lower Upper
63 100	
65 34.4	23.0 42.6
83 15.8	9.4 17.6



#25

Chloroform

Concen: 0.516 ug/L

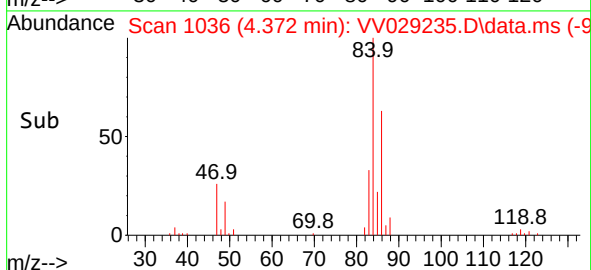
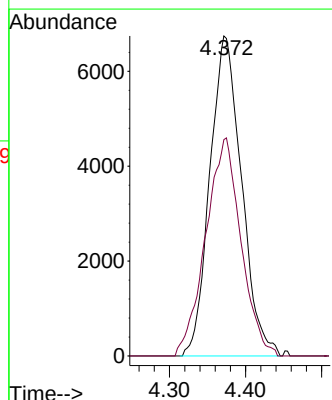
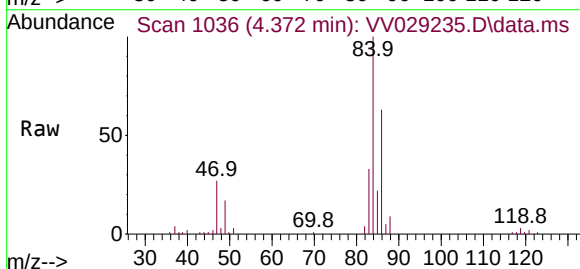
RT: 4.372 min Scan# 1036

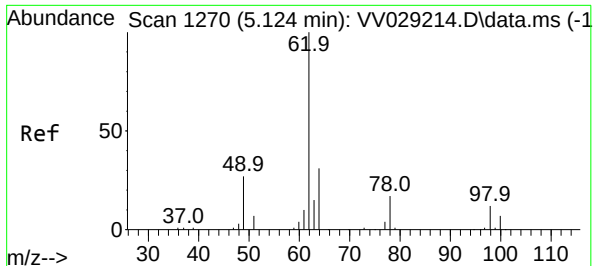
Delta R.T. 0.006 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Tgt Ion: 83	Resp: 19528
Ion Ratio	Lower Upper
83 100	
85 67.6	43.7 81.1

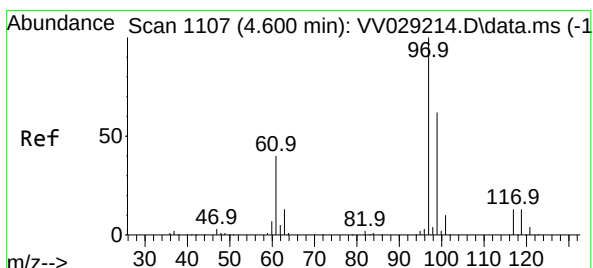
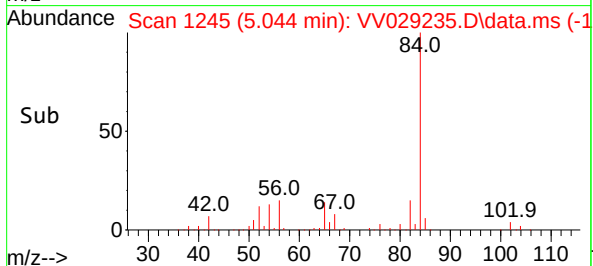
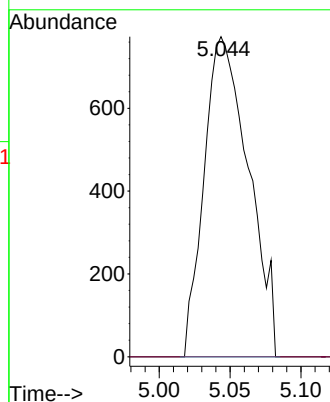
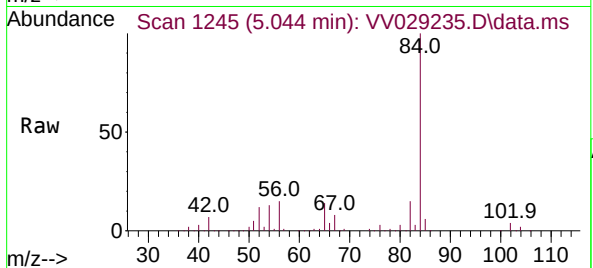




#27
1,2-Dichloroethane
Concen: 0.086 ug/L
RT: 5.044 min Scan# 1109
Delta R.T. -0.080 min
Lab File: VV029235.D
Acq: 20 Nov 2022 19:17

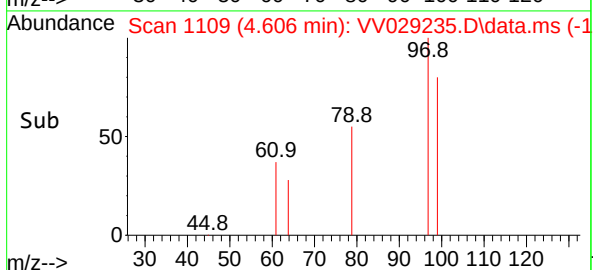
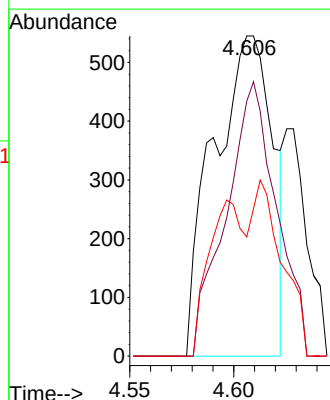
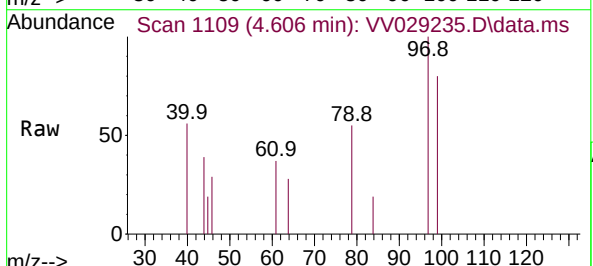
Instrument :
MSVOA_V
ClientSampleId :

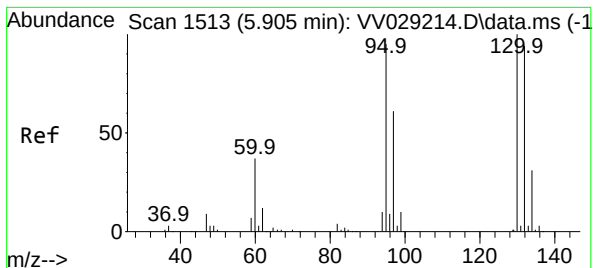
Tgt Ion: 62 Resp: 1687
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.6#



#29
1,1,1-Trichloroethane
Concen: 0.032 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VV029235.D
Acq: 20 Nov 2022 19:17

Tgt Ion: 97 Resp: 1076
Ion Ratio Lower Upper
97 100
99 73.2 52.7 79.1
61 28.1 33.8 50.6#





#34

Trichloroethene

Concen: 0.267 ug/L

RT: 5.921 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 5988

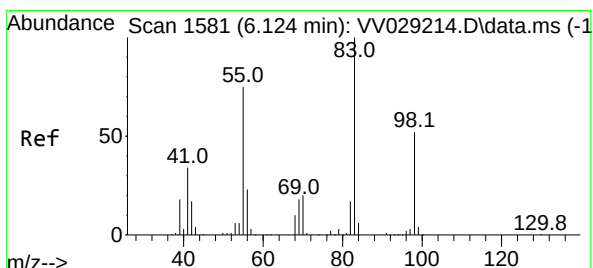
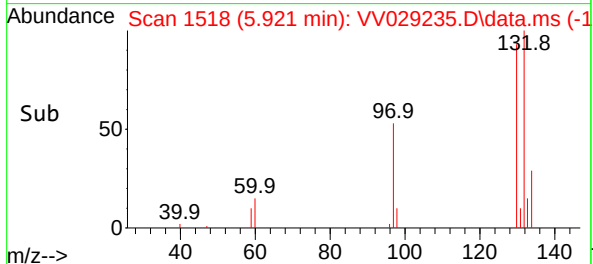
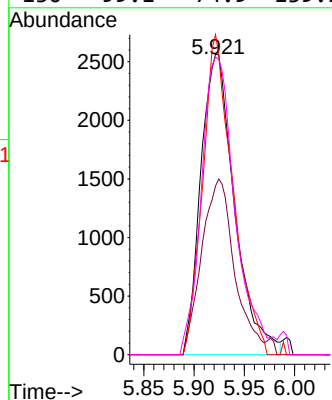
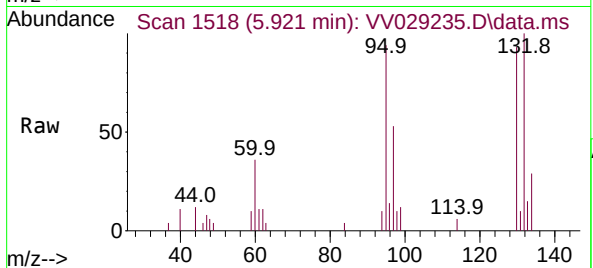
Ion Ratio Lower Upper

95 100

97 56.2 45.6 84.8

132 106.5 69.1 128.3

130 99.1 74.9 139.1



#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

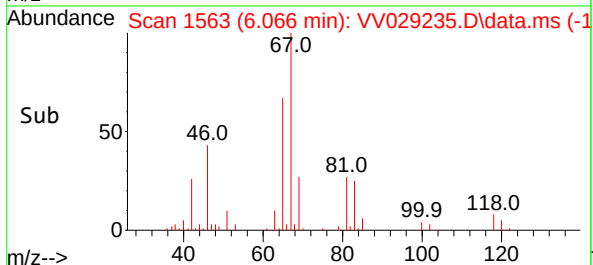
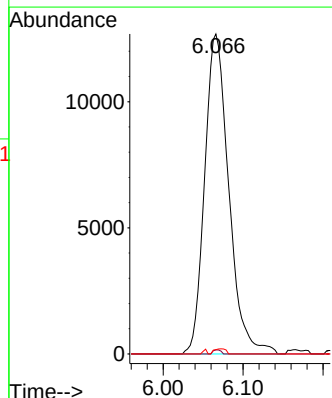
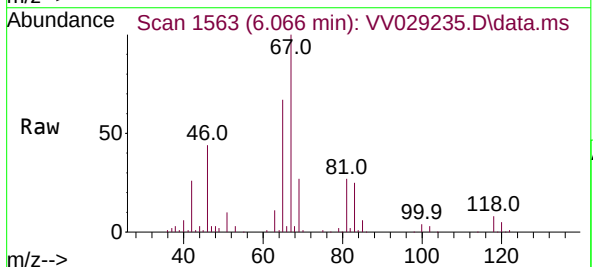
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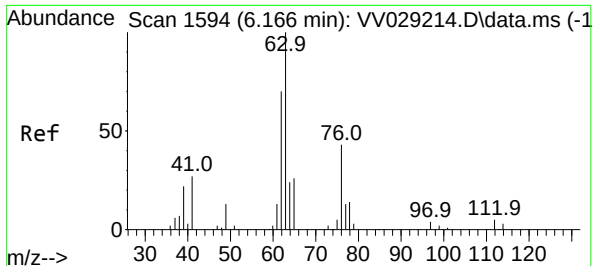
Ion Ratio Lower Upper

83 100

55 0.4 55.8 83.6#

98 0.8 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Instrument :

MSVOA_V

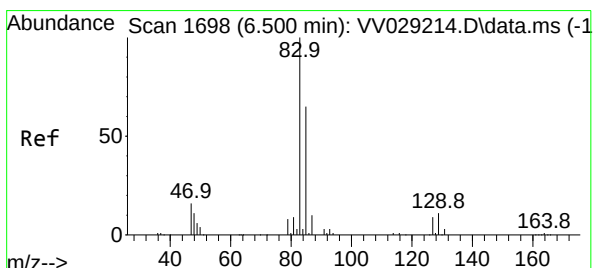
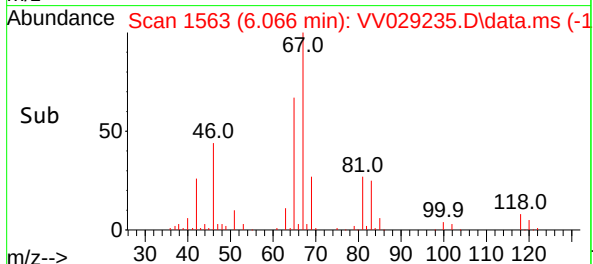
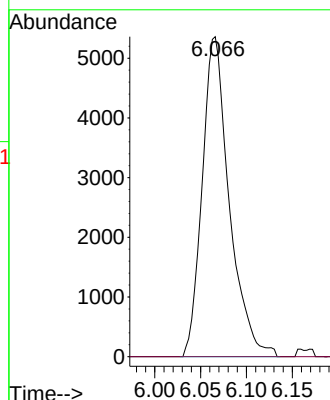
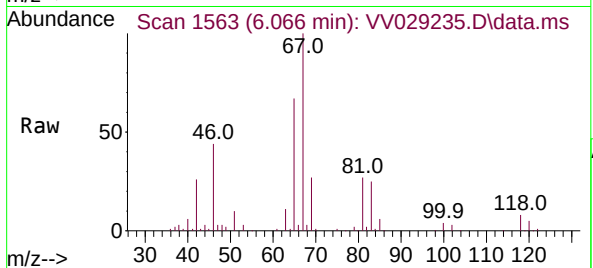
ClientSampleId :

Tgt Ion: 63 Resp: 11015

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 0.063 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.013 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

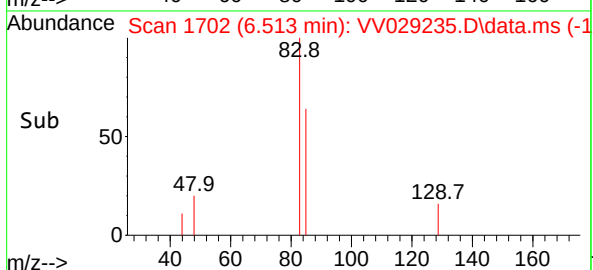
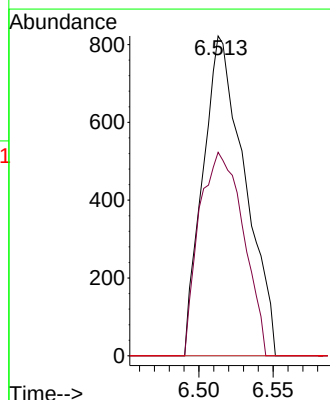
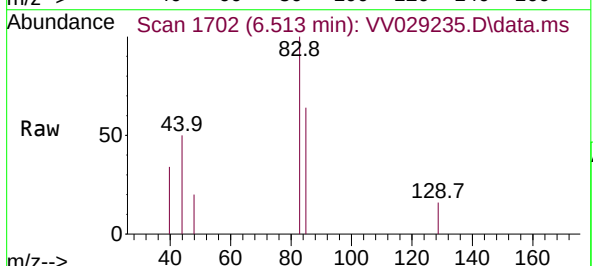
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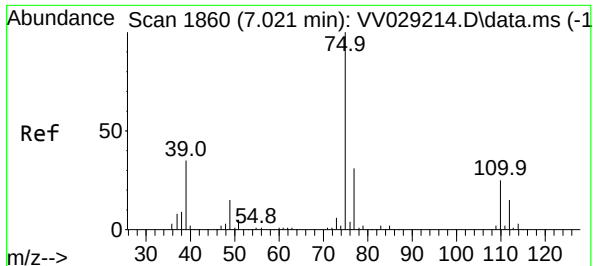
Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.5

127 0.0 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Instrument :

MSVOA_V

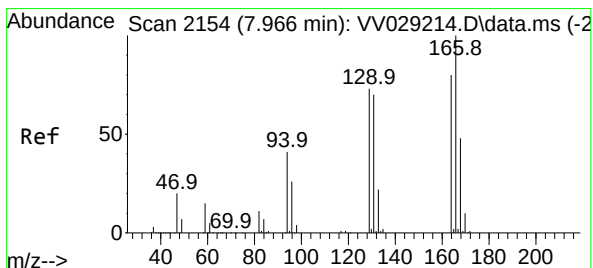
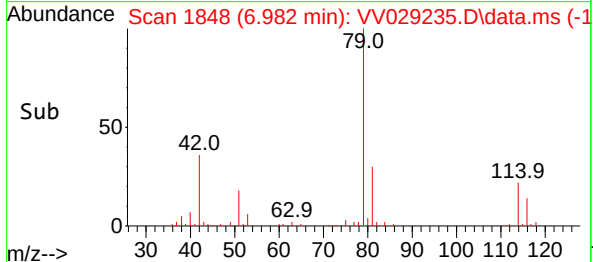
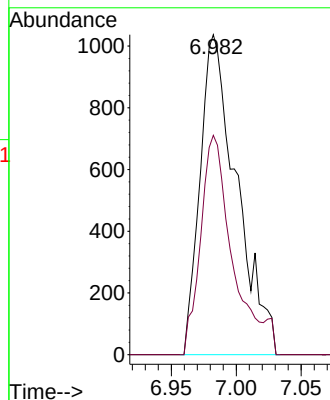
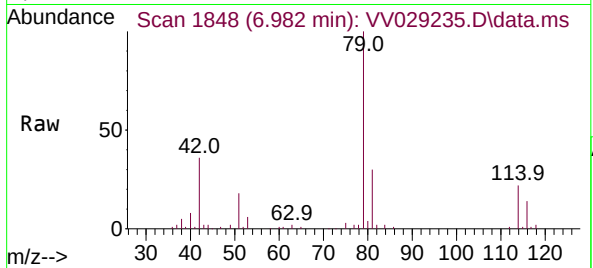
ClientSampleId :

Tgt Ion: 75 Resp: 2036

Ion Ratio Lower Upper

75 100

77 68.6 21.8 40.6#



#47

Tetrachloroethene

Concen: 3.265 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Tgt Ion: 164 Resp: 58639

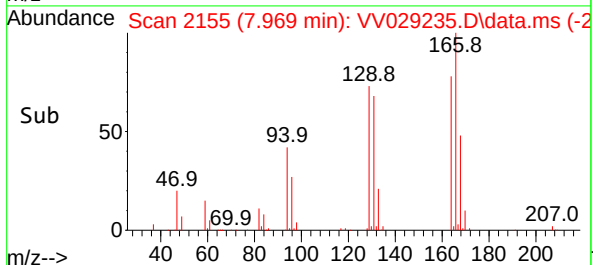
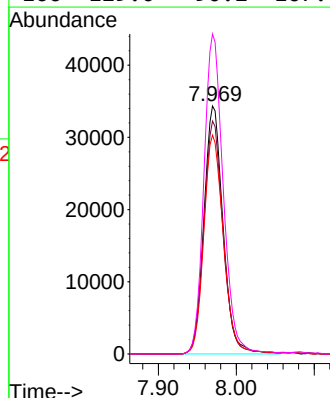
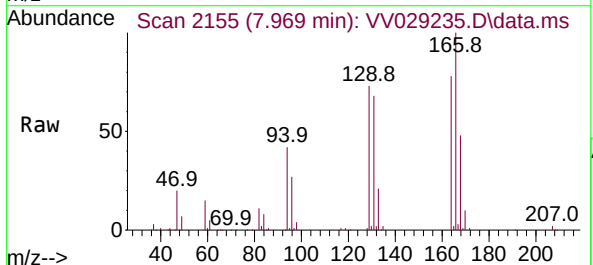
Ion Ratio Lower Upper

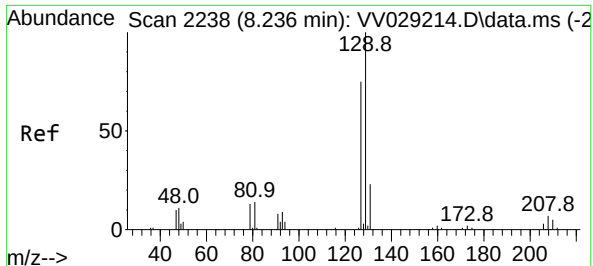
164 100

129 93.9 63.9 118.7

131 88.2 61.8 114.8

166 129.0 90.2 167.4





#49

Dibromochloromethane

Concen: 3.358 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Instrument :

MSVOA_V

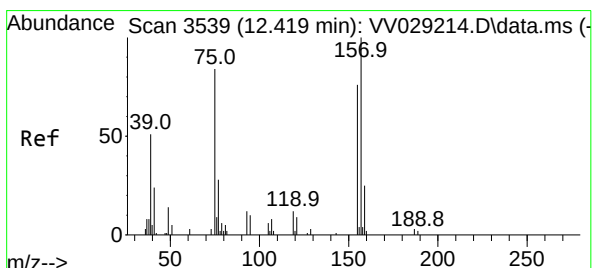
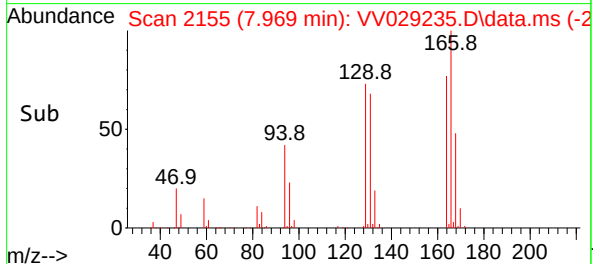
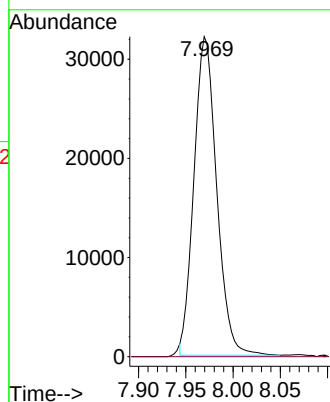
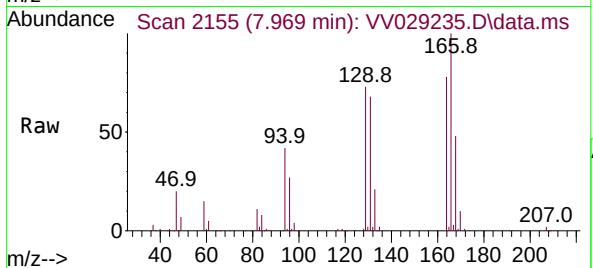
ClientSampleId :

Tgt Ion:129 Resp: 53690

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.249 ug/L

RT: 12.246 min Scan# 3485

Delta R.T. -0.174 min

Lab File: VV029235.D

Acq: 20 Nov 2022 19:17

Tgt Ion: 75 Resp: 441

Ion Ratio Lower Upper

75 100

155 0.0 64.8 97.2#

157 0.0 86.3 129.5#

