

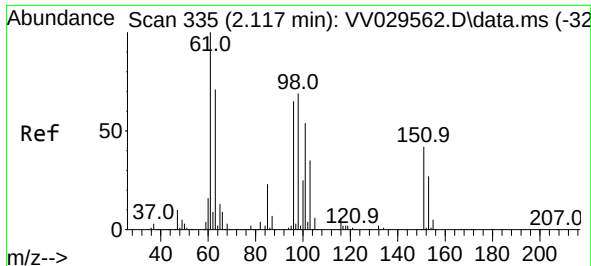
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029565.D
 Acq On : 10 Dec 2022 08:59
 Operator : SY/MD
 Sample : N5929-02DL 5X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ97DL

Quant Time: Dec 12 00:03:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	560783	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	517210	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	264202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	136873	39.858	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	79.720%	
7) Chloroethane-d5	1.564	69	120120	45.873	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	91.740%	
11) 1,1-Dichloroethene-d2	2.108	63	212122	39.604	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	79.200%	
21) 2-Butanone-d5	3.876	46	202043	96.448	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	96.450%	
24) Chloroform-d	4.339	84	269232	41.663	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	83.320%	
26) 1,2-Dichloroethane-d4	5.024	65	160747	43.554	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	87.100%	
32) Benzene-d6	5.043	84	577036	42.223	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	84.440%	
36) 1,2-Dichloropropane-d6	6.063	67	174911	41.900	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	83.800%	
41) Toluene-d8	7.310	98	519468	40.341	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	80.680%	
43) trans-1,3-Dichloroprop...	7.612	79	70386	33.391	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	66.780%	
47) 2-Hexanone-d5	8.085	63	164487	92.274	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	92.270%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	249411	41.810	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	83.620%	
66) 1,2-Dichlorobenzene-d4	11.612	152	208989	41.554	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	83.100%	
Target Compounds						
12) 1,1-Dichloroethene	2.118	96	65231	21.762	ug/L #	70
19) 1,1-Dichloroethane	3.185	63	117617	19.878	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	73658	19.394	ug/L	91
25) Chloroform	4.368	83	5581	0.910	ug/L	93
30) 1,1,1-Trichloroethane	4.603	97	321198	57.001	ug/L	99
34) Trichloroethene	5.908	95	67530	18.485	ug/L	99
39) cis-1,3-Dichloropropene	6.979	75	3808	0.658	ug/L #	51
46) Tetrachloroethene	7.966	164	37658	12.821	ug/L	95
49) Dibromochloromethane	7.969	129	33195	8.271	ug/L #	10

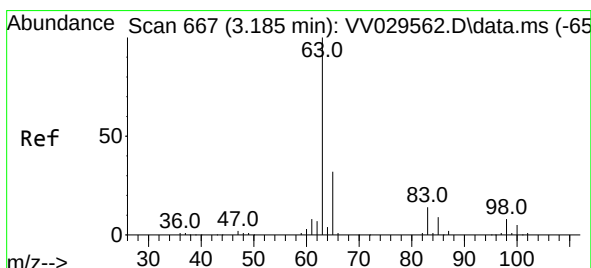
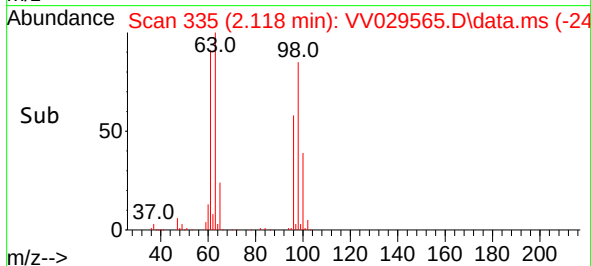
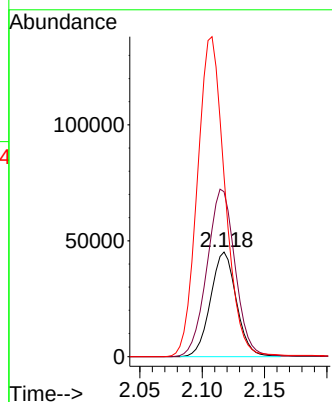
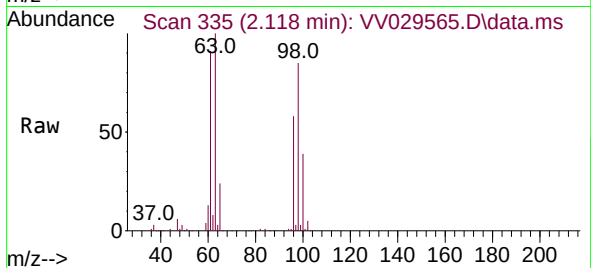
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
1,1-Dichloroethene
Concen: 21.762 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029565.D
Acq: 10 Dec 2022 08:59

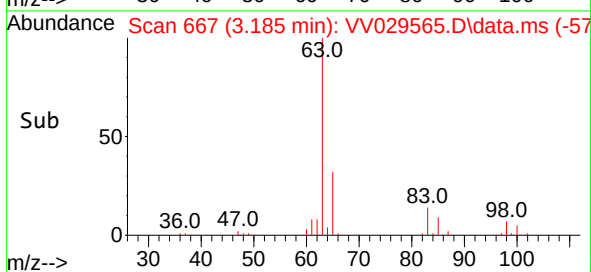
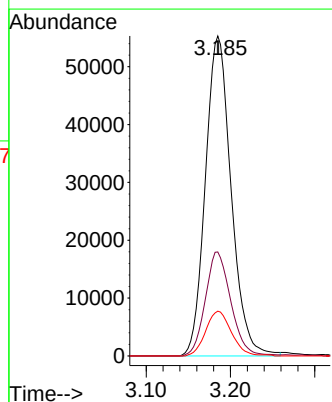
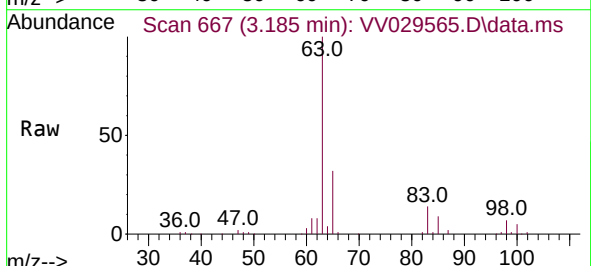
Instrument :
MSVOA_V
ClientSampleId :
EXZ97DL

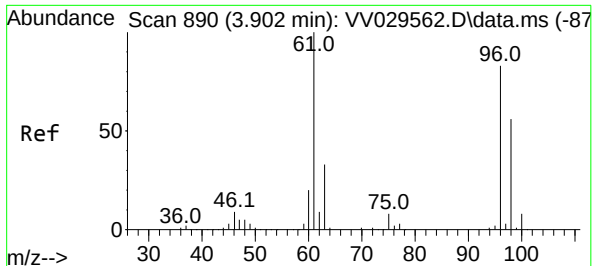
Tgt Ion: 96 Resp: 65231
Ion Ratio Lower Upper
96 100
61 157.6 103.3 191.9
63 172.4 77.3 143.7#



#19
1,1-Dichloroethane
Concen: 19.878 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.000 min
Lab File: VV029565.D
Acq: 10 Dec 2022 08:59

Tgt Ion: 63 Resp: 117617
Ion Ratio Lower Upper
63 100
65 32.5 22.5 41.7
83 14.0 10.4 19.2





#20

cis-1,2-Dichloroethene

Concen: 19.394 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV029565.D

Acq: 10 Dec 2022 08:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ97DL

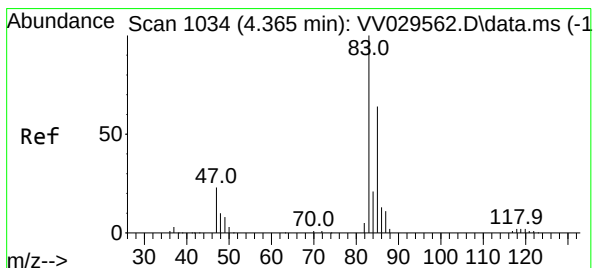
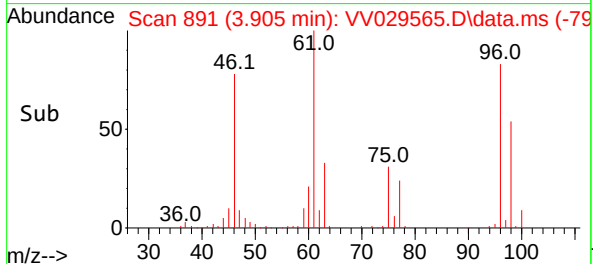
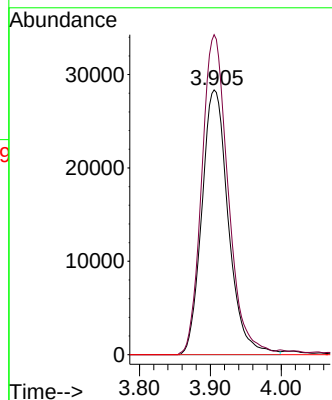
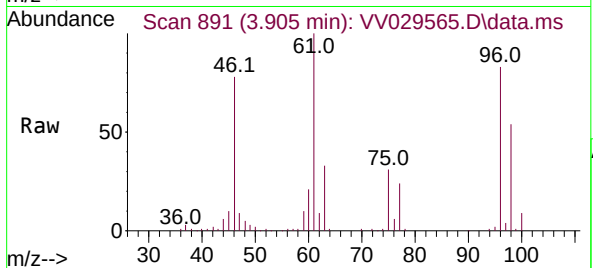
Tgt Ion: 96 Resp: 73658

Ion Ratio Lower Upper

96 100

61 120.8 78.0 144.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.910 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV029565.D

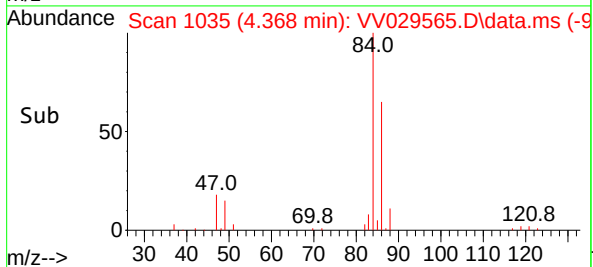
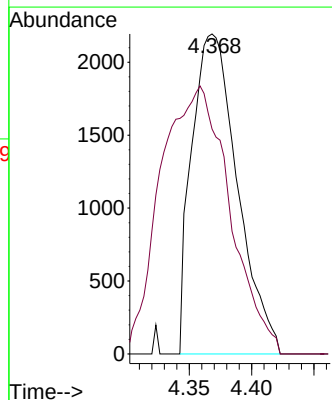
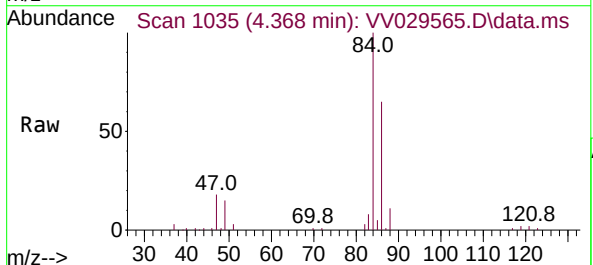
Acq: 10 Dec 2022 08:59

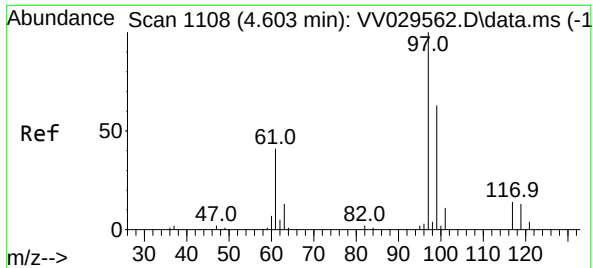
Tgt Ion: 83 Resp: 5581

Ion Ratio Lower Upper

83 100

85 70.3 45.1 83.9





#30

1,1,1-Trichloroethane

Concen: 57.001 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV029565.D

Acq: 10 Dec 2022 08:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ97DL

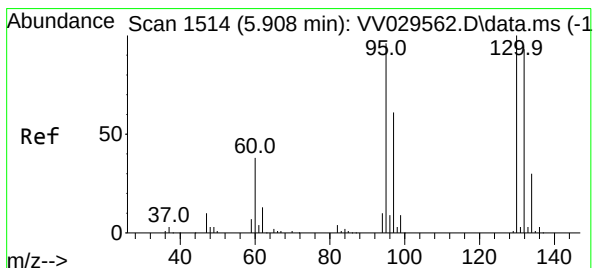
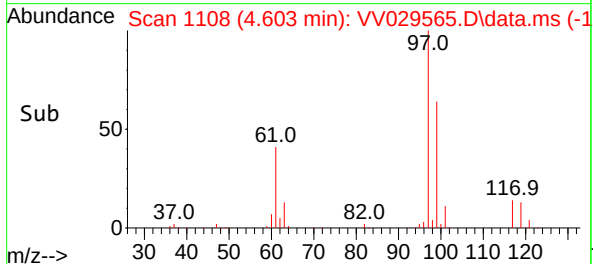
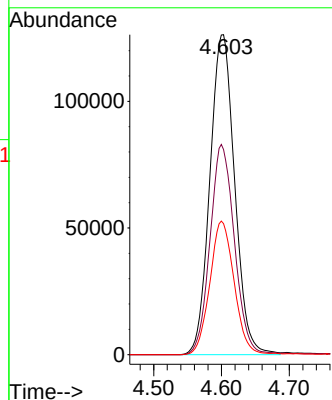
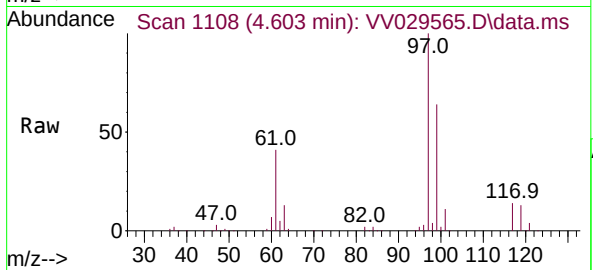
Tgt Ion: 97 Resp: 321198

Ion Ratio Lower Upper

97 100

99 64.7 52.1 78.1

61 40.8 31.8 47.8



#34

Trichloroethene

Concen: 18.485 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VV029565.D

Acq: 10 Dec 2022 08:59

Tgt Ion: 95 Resp: 67530

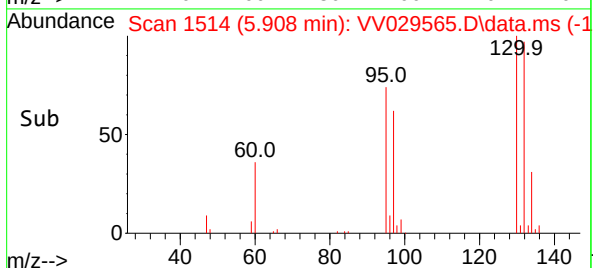
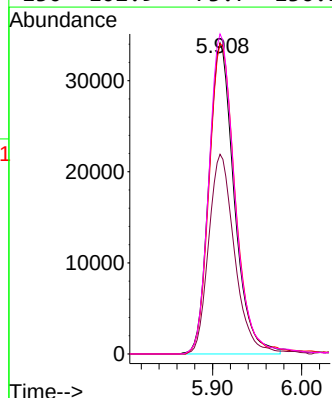
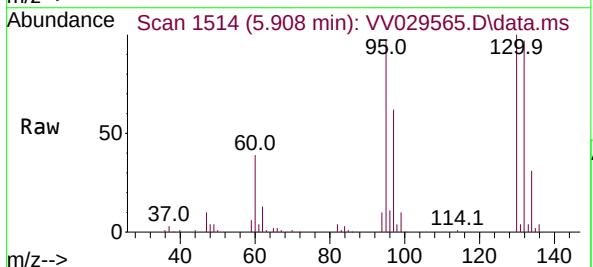
Ion Ratio Lower Upper

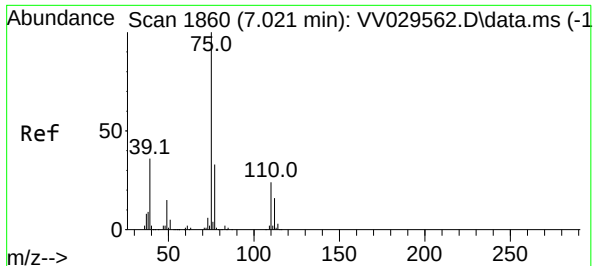
95 100

97 64.2 44.0 81.8

132 99.8 69.9 129.9

130 102.9 73.7 136.9





#39

cis-1,3-Dichloropropene

Concen: 0.658 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029565.D

Acq: 10 Dec 2022 08:59

Instrument :

MSVOA_V

ClientSampleId :

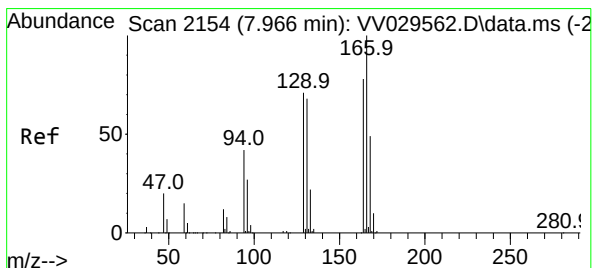
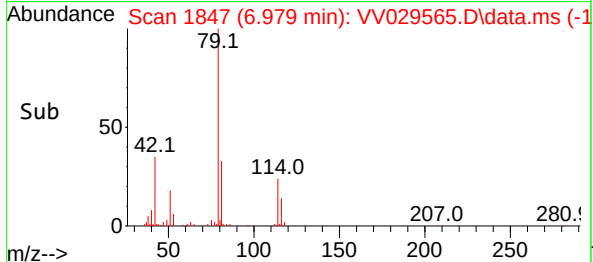
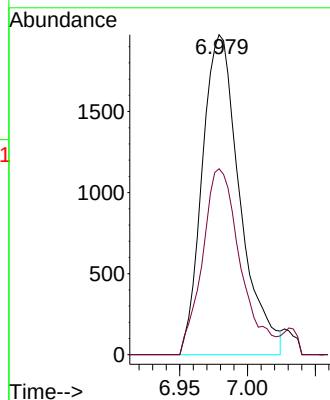
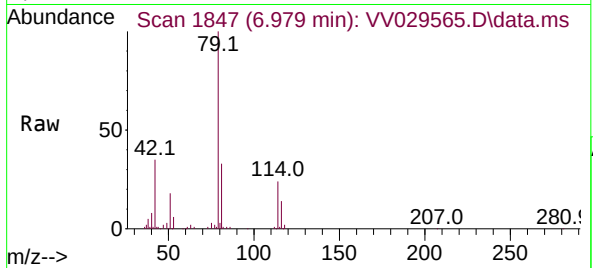
EXZ97DL

Tgt Ion: 75 Resp: 3808

Ion Ratio Lower Upper

75 100

77 58.1 21.9 40.7#



#46

Tetrachloroethene

Concen: 12.821 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VV029565.D

Acq: 10 Dec 2022 08:59

Tgt Ion: 164 Resp: 37658

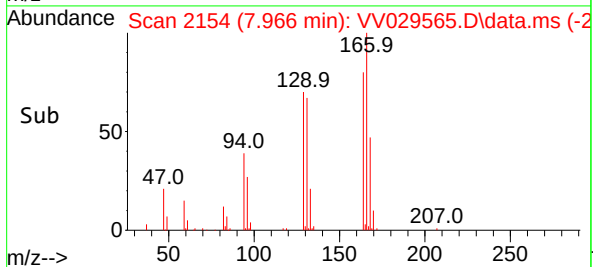
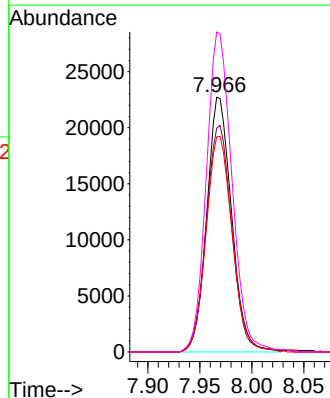
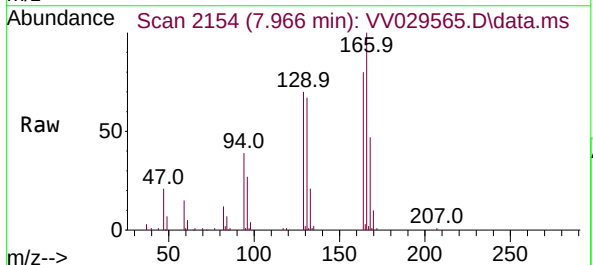
Ion Ratio Lower Upper

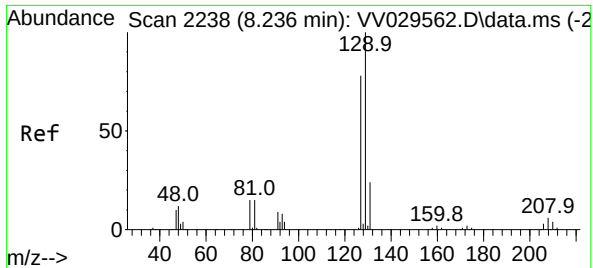
164 100

129 87.8 65.3 121.3

131 84.4 63.1 117.1

166 125.6 90.8 168.6





#49

Dibromochloromethane

Concen: 8.271 ug/L

RT: 7.969 min Scan# 21

Delta R.T. -0.267 min

Lab File: VV029565.D

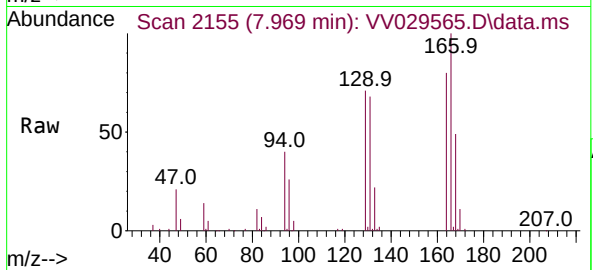
Acq: 10 Dec 2022 08:59

Instrument :

MSVOA_V

ClientSampleId :

EXZ97DL



Tgt Ion:129 Resp: 33195

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#

