

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091123\
 Data File : VW032027.D
 Acq On : 11 Sep 2023 15:33
 Operator : SY/MD
 Sample : 04307-21
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 06:00:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 09 21:51:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	107904	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	112978	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	59903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	19123	5.247	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.000%		
7) Chloroethane-d5	1.532	69	23372	5.598	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 112.000%		
11) 1,1-Dichloroethene-d2	2.060	65	10504	4.897	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 98.000%		
20) 2-Butanone-d5	3.799	46	88374	50.094	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 100.180%		
24) Chloroform-d	4.256	84	55815	4.525	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 90.600%		
26) 1,2-Dichloroethane-d4	4.950	65	28252	4.445	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 89.000%		
32) Benzene-d6	4.966	84	111150	4.323	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 86.400%		
36) 1,2-Dichloropropane-d6	5.995	67	37924	4.183	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 83.600%		
41) Toluene-d8	7.249	98	99215	4.159	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 83.200%		
43) trans-1,3-Dichloroprop...	7.564	79	10303	3.117	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 62.400%		
46) 2-Hexanone-d5	8.031	63	74948	42.523	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 85.040%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	29068	4.469	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 89.400%		
66) 1,2-Dichlorobenzene-d4	11.564	152	37173	3.832	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 76.600%#		
Target Compounds						
						Qvalue
3) Chloromethane	1.220	50	1518	0.230	ug/L	100
5) Vinyl chloride	1.285	62	681	0.101	ug/L #	45
12) 1,1-Dichloroethene	2.073	96	8979	1.848	ug/L #	62
13) Acetone	2.121	43	1795	1.727	ug/L	88
17) Methyl tert-butyl Ether	2.709	73	3722	0.247	ug/L #	83
18) trans-1,2-Dichloroethene	2.700	96	1512	0.275	ug/L	97
19) 1,1-Dichloroethane	3.118	63	3888	0.343	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	145605	22.956	ug/L	97
25) Chloroform	4.285	83	7673	0.664	ug/L	99
31) Carbon tetrachloride	4.741	117	5112	0.579	ug/L	93
34) Trichloroethene	5.838	95	108405	14.252	ug/L	98
35) Methylcyclohexane	5.995	83	9124	0.824	ug/L #	19
45) 1,1,2-Trichloroethane	7.783	97	1008	0.196	ug/L	88
47) Tetrachloroethene	7.912	164	12815	2.637	ug/L	97
49) Dibromochloromethane	7.912	129	12373	2.313	ug/L #	11
61) 1,2,3-Trichloropropane	11.191	75	7987	1.810	ug/L #	69

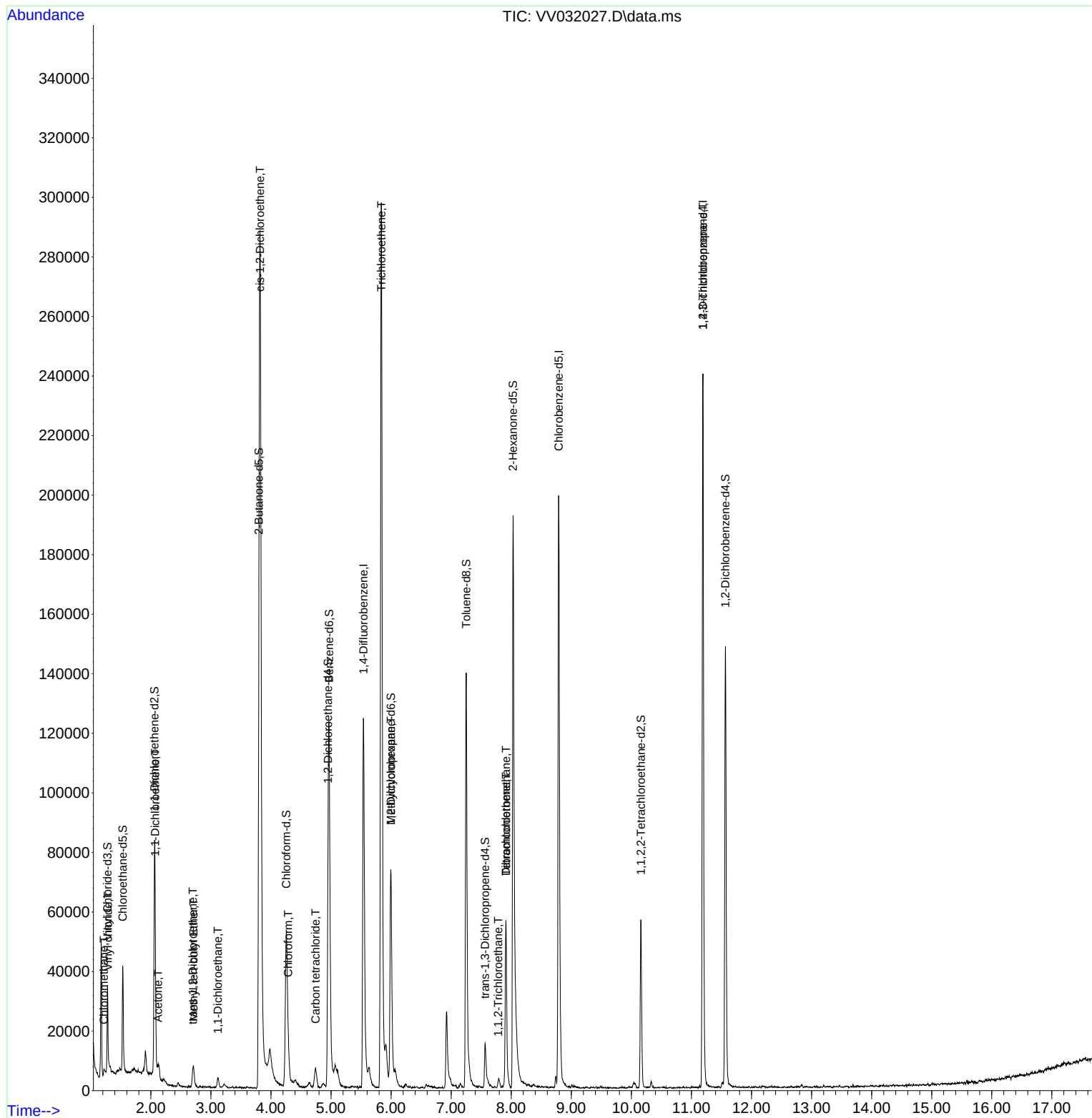
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_V
ClientSampleId :

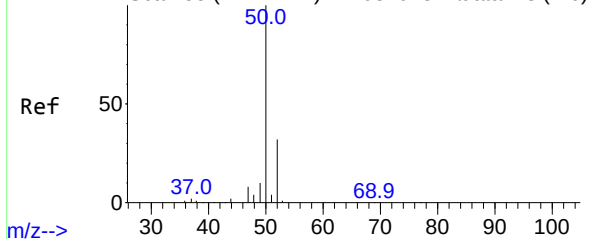
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091123\
Data File : VV032027.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 09 21:51:31 2023
Response via : Initial Calibration



Abundance Scan 55 (1.217 min): VV032013.D\data.ms (-46)



#3

Chloromethane

Concen: 0.230 ug/L

RT: 1.220 min Scan# 50

Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

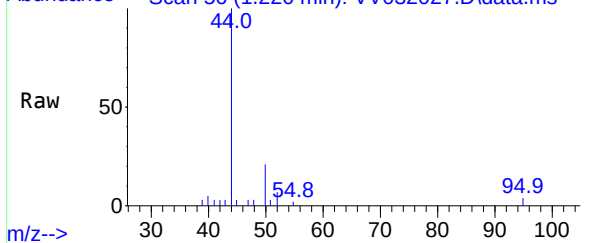
Tgt Ion: 50 Resp: 1518

Ion Ratio Lower Upper

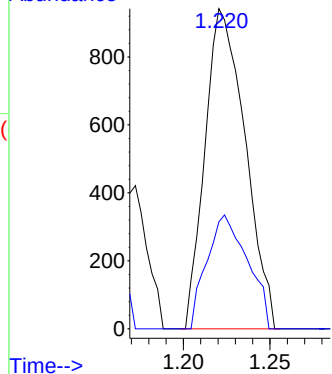
50 100

52 33.4 23.3 43.3

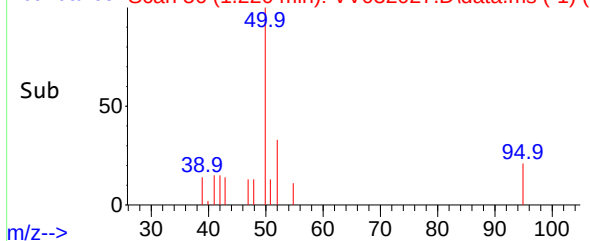
Abundance Scan 56 (1.220 min): VV032027.D\data.ms



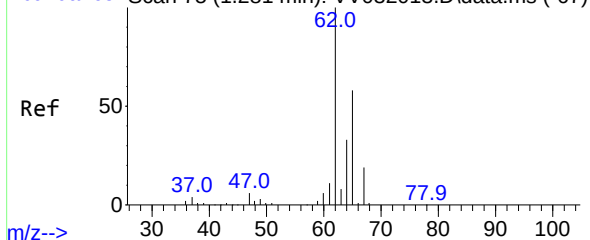
Abundance



Abundance Scan 56 (1.220 min): VV032027.D\data.ms (-1) (



Abundance Scan 75 (1.281 min): VV032013.D\data.ms (-67)



#5

Vinyl chloride

Concen: 0.101 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

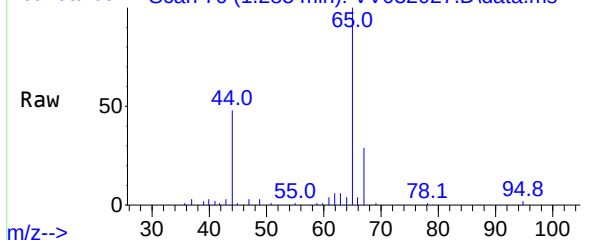
Tgt Ion: 62 Resp: 681

Ion Ratio Lower Upper

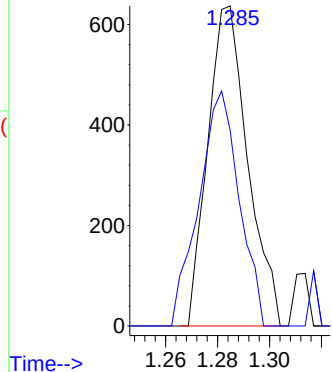
62 100

64 61.2 21.7 40.3#

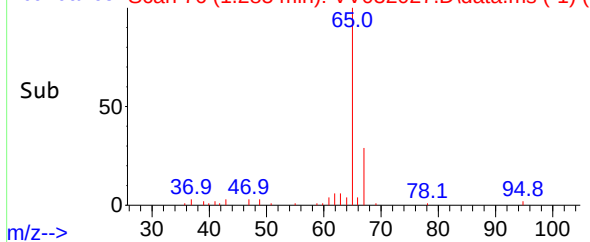
Abundance Scan 76 (1.285 min): VV032027.D\data.ms

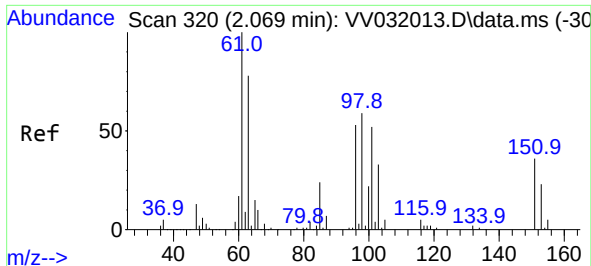


Abundance



Abundance Scan 76 (1.285 min): VV032027.D\data.ms (-1) (





#12

1,1-Dichloroethene

Concen: 1.848 ug/L

RT: 2.073 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

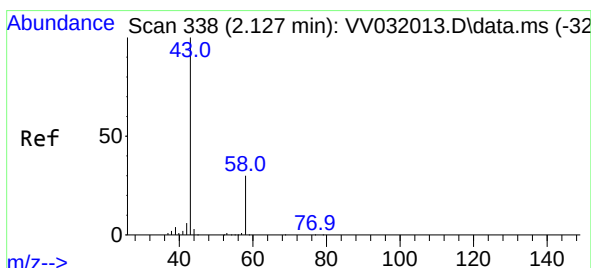
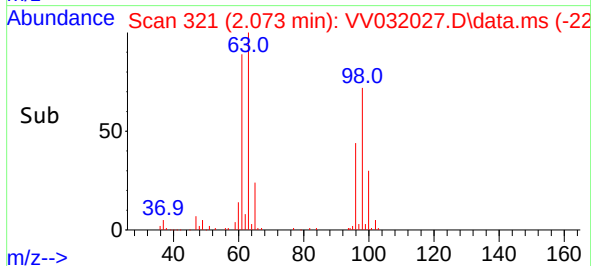
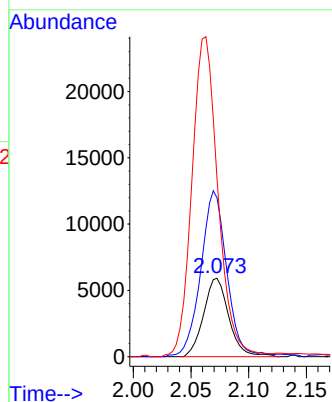
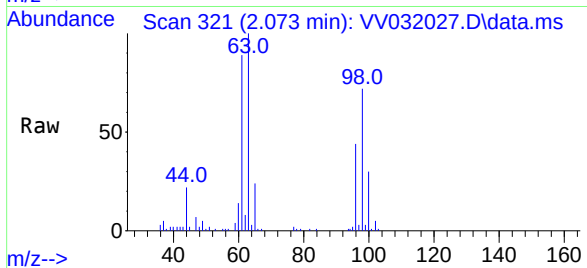
Tgt Ion: 96 Resp: 8979

Ion Ratio Lower Upper

96 100

61 202.7 129.0 239.6

63 227.4 99.0 183.8#



#13

Acetone

Concen: 1.727 ug/L

RT: 2.121 min Scan# 336

Delta R.T. -0.006 min

Lab File: VV032027.D

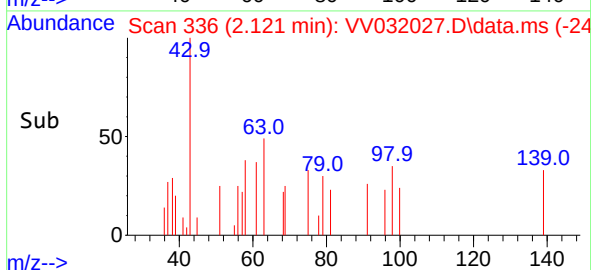
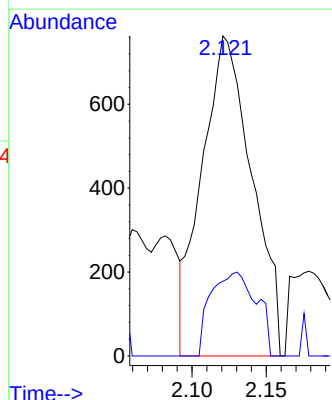
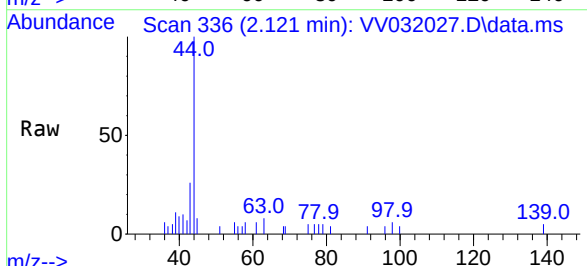
Acq: 11 Sep 2023 15:33

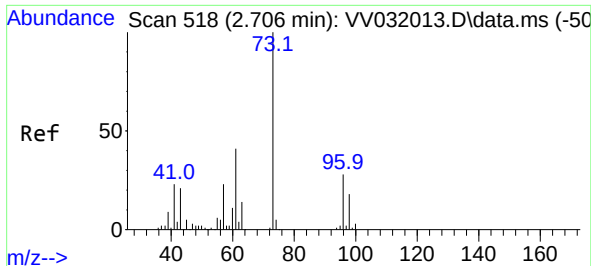
Tgt Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

58 23.7 0.0 37.0





#17

Methyl tert-butyl Ether

Concen: 0.247 ug/L

RT: 2.709 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032027.D

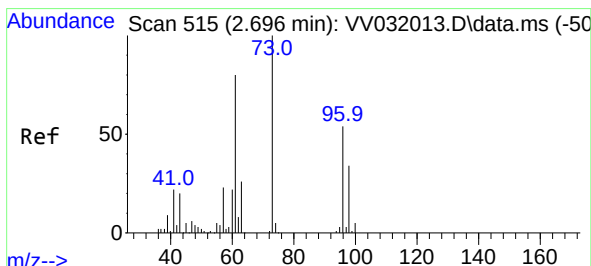
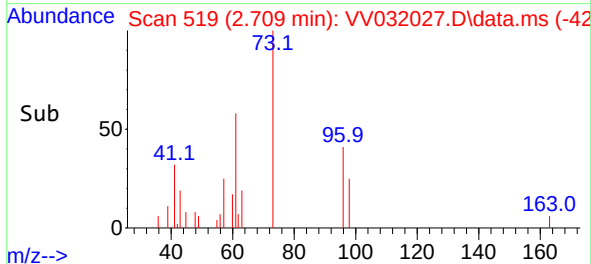
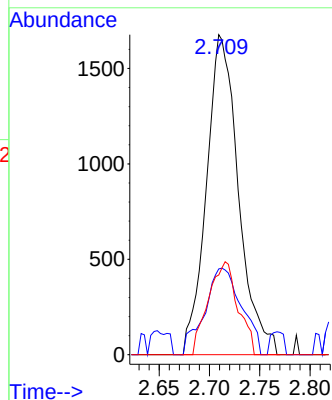
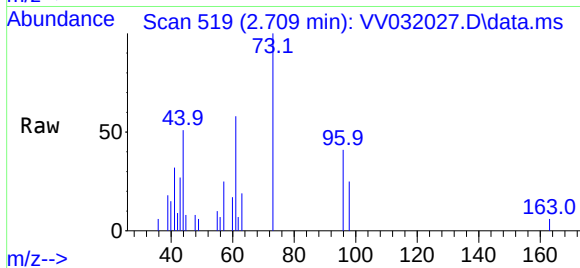
Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73	Resp: 3722
Ion Ratio	Lower Upper
73 100	
43 31.3	15.6 23.4#
57 26.8	17.8 26.8#



#18

trans-1,2-Dichloroethene

Concen: 0.275 ug/L

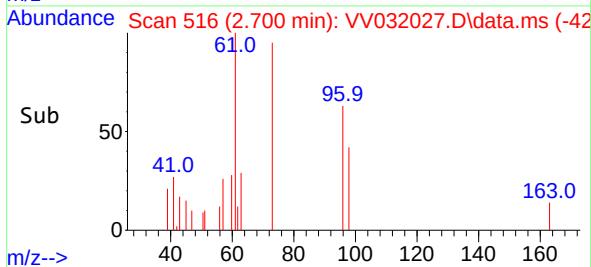
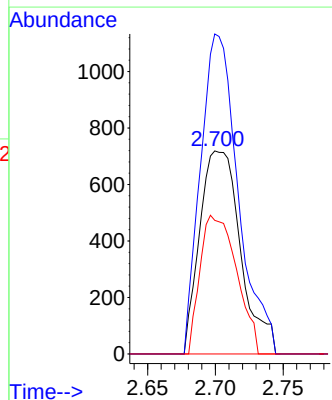
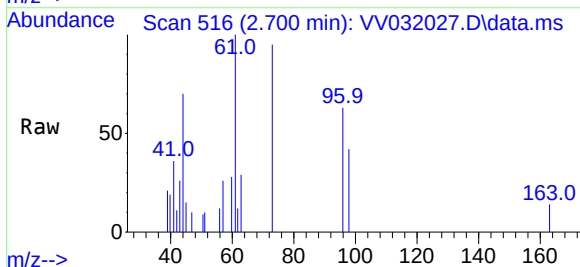
RT: 2.700 min Scan# 516

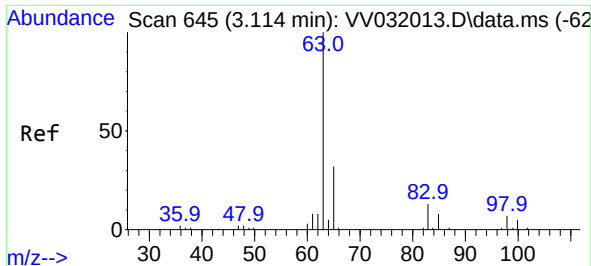
Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Tgt Ion: 96	Resp: 1512		
Ion Ratio	Lower	Upper	
96	100		
61	157.6	106.8	198.4
98	65.8	44.9	83.3





#19

1,1-Dichloroethane

Concen: 0.343 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.003 min

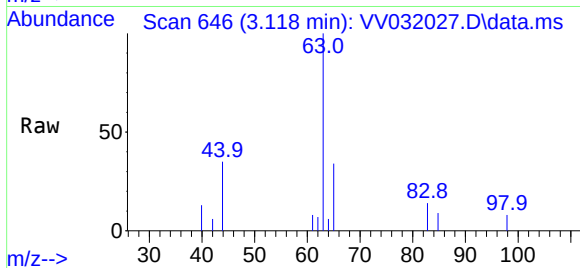
Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

ClientSampleId :



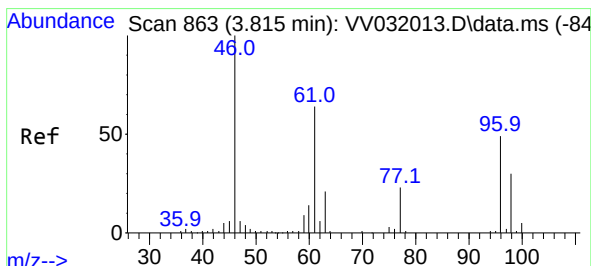
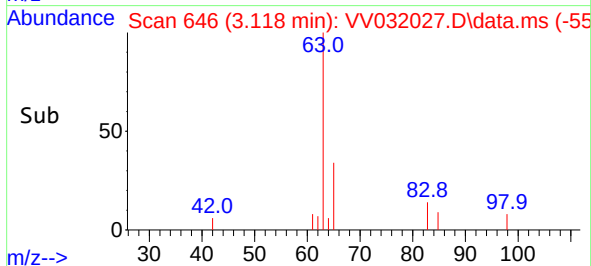
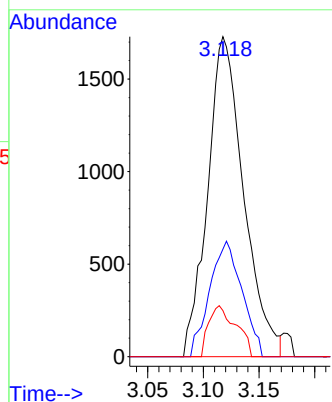
Tgt Ion: 63 Resp: 3888

Ion Ratio Lower Upper

63 100

65 33.6 21.9 40.7

83 14.4 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 22.956 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

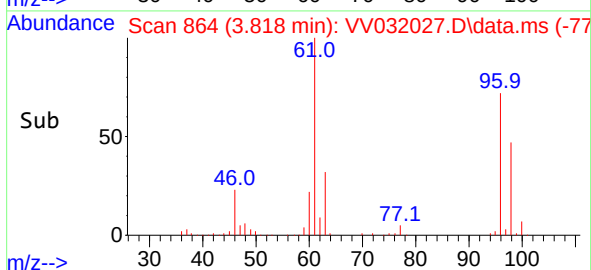
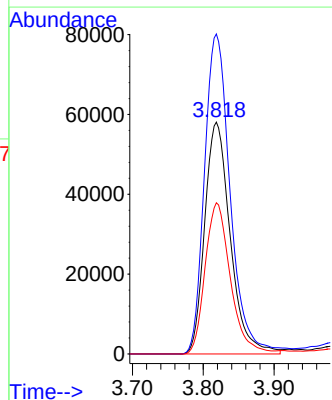
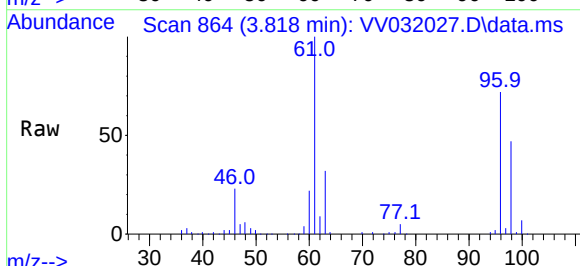
Tgt Ion: 96 Resp: 145605

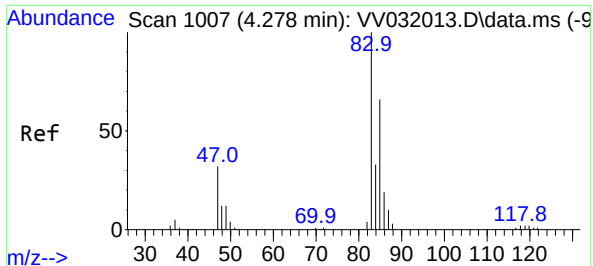
Ion Ratio Lower Upper

96 100

61 138.0 94.1 174.8

98 65.2 43.8 81.4





#25

Chloroform

Concen: 0.664 ug/L

RT: 4.285 min Scan# 1007

Delta R.T. 0.007 min

Lab File: VV032027.D

Acq: 11 Sep 2023 15:33

Instrument :

MSVOA_V

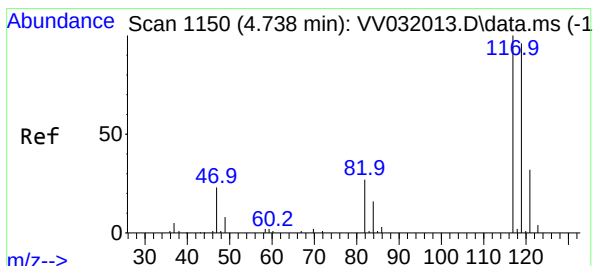
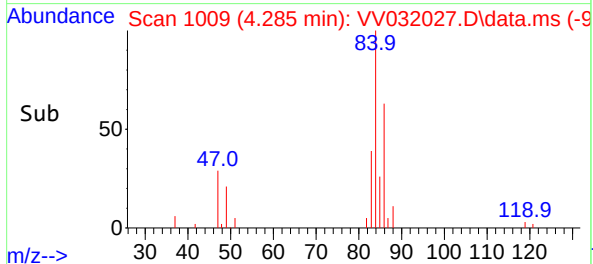
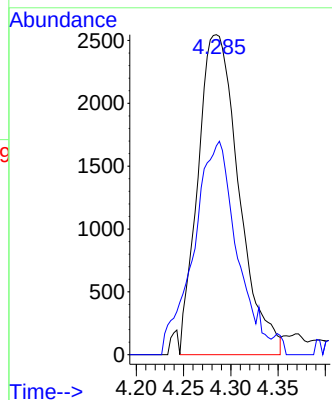
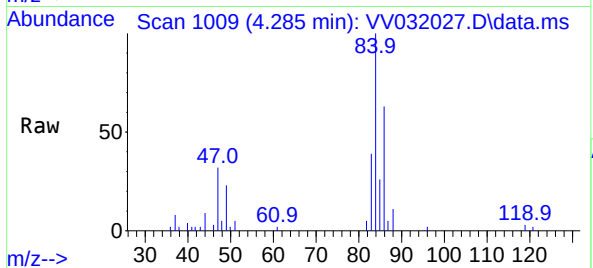
ClientSampleId :

Tgt Ion: 83 Resp: 7673

Ion Ratio Lower Upper

83 100

85 65.3 46.4 86.2



#31

Carbon tetrachloride

Concen: 0.579 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV032027.D

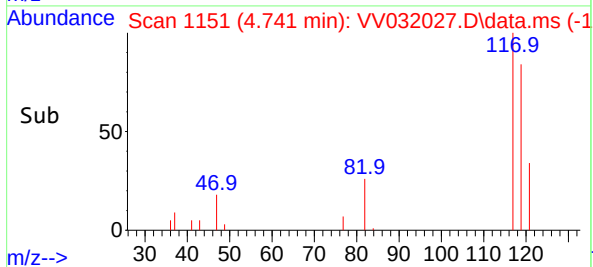
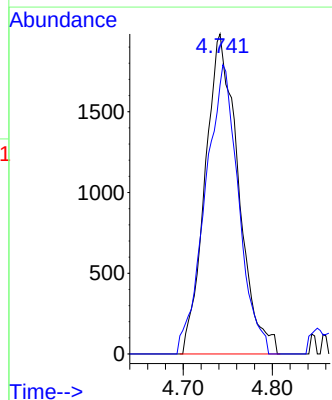
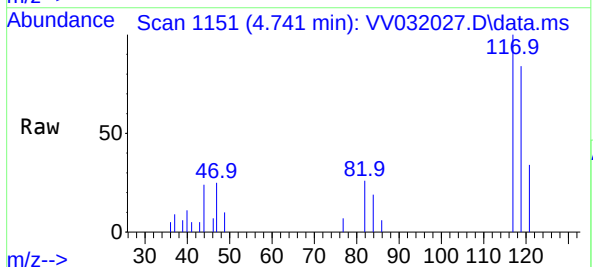
Acq: 11 Sep 2023 15:33

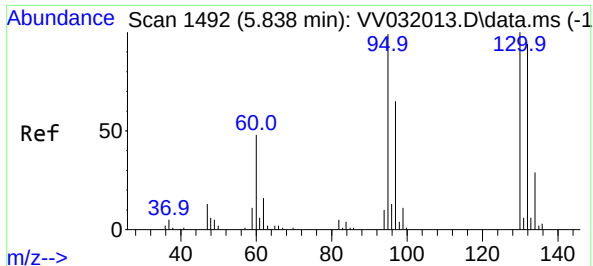
Tgt Ion: 117 Resp: 5112

Ion Ratio Lower Upper

117 100

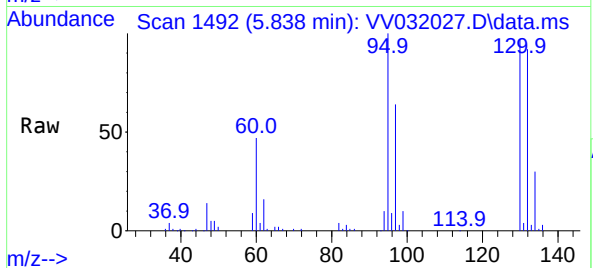
119 90.8 78.4 117.6



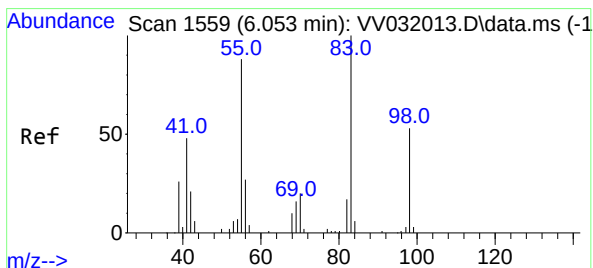
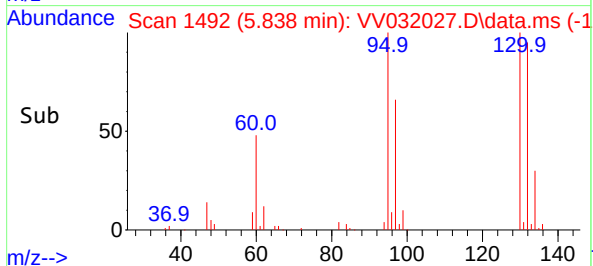
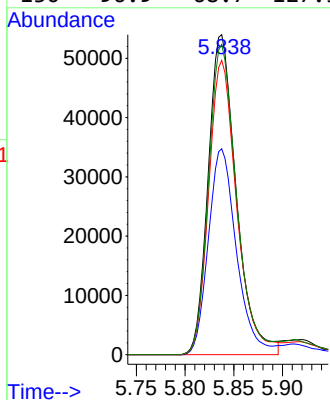


#34
Trichloroethene
Concen: 14.252 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Instrument :
MSVOA_V
ClientSampleId :

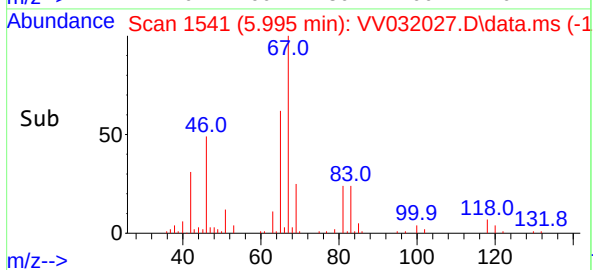
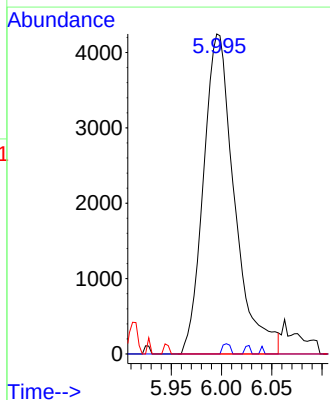
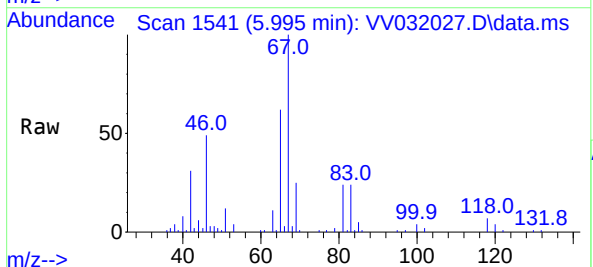


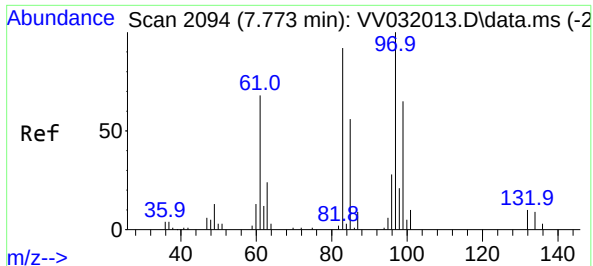
Tgt Ion: 95 Resp: 108405
Ion Ratio Lower Upper
95 100
97 64.4 47.7 88.7
132 92.0 63.8 118.4
130 96.9 68.7 127.5



#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.058 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

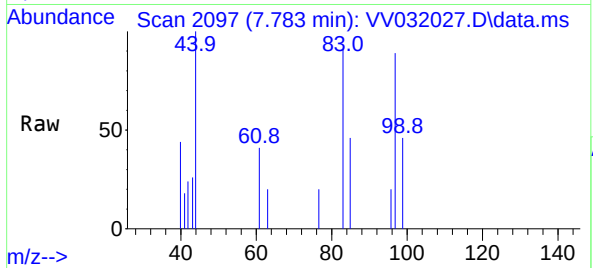
Tgt Ion: 83 Resp: 9124
Ion Ratio Lower Upper
83 100
55 0.8 62.6 94.0#
98 2.6 37.8 56.8#





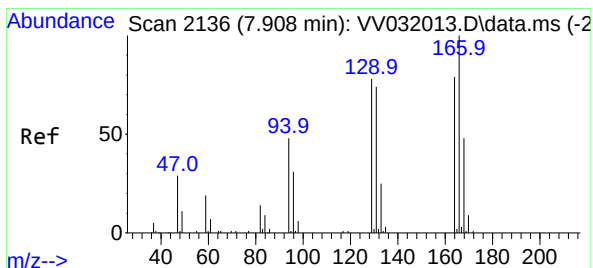
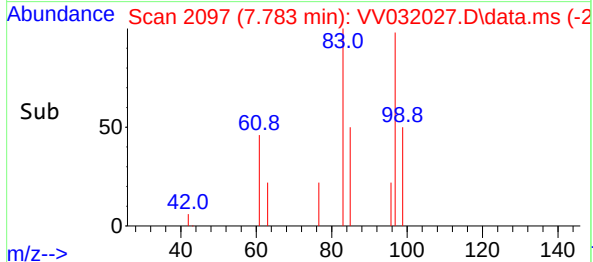
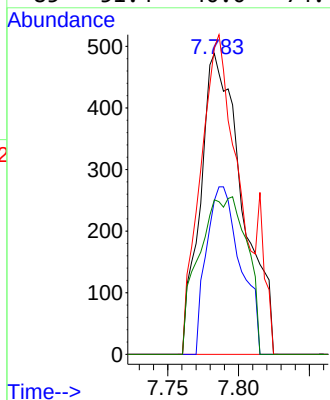
#45
1,1,2-Trichloroethane
Concen: 0.196 ug/L
RT: 7.783 min Scan# 2094
Delta R.T. 0.010 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 97 Resp: 1008

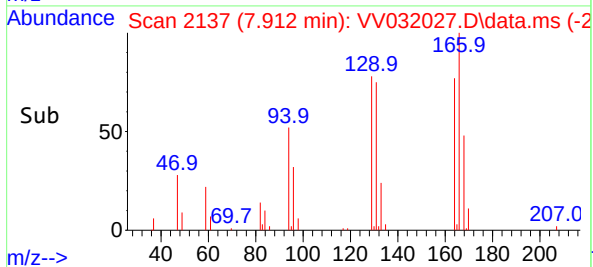
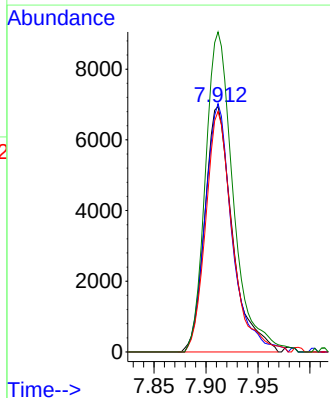
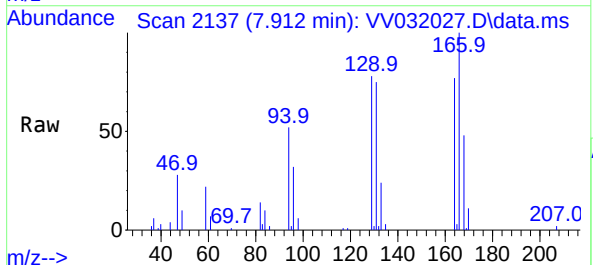
Ion	Ratio	Lower	Upper
97	100		
99	51.2	44.3	82.3
83	102.0	62.7	116.5
85	51.4	40.0	74.4

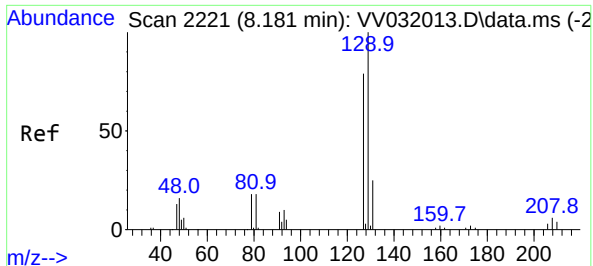


#47
Tetrachloroethene
Concen: 2.637 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 164 Resp: 12815

Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.6	131.2
131	98.0	64.6	120.0
166	130.4	88.3	164.1

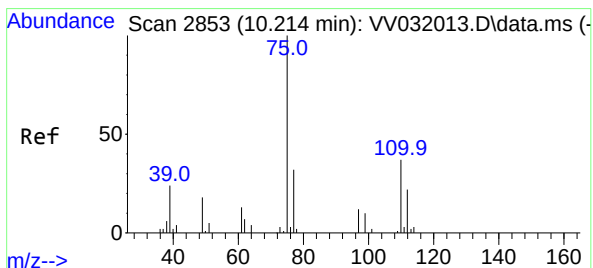
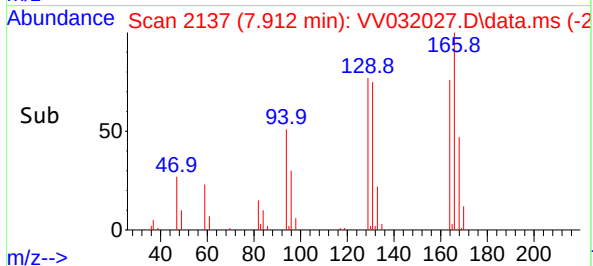
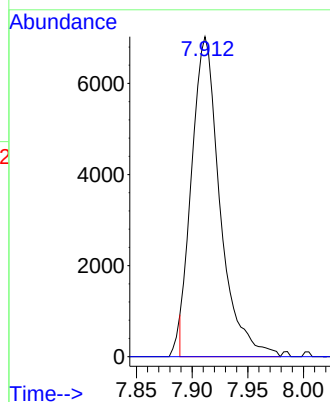
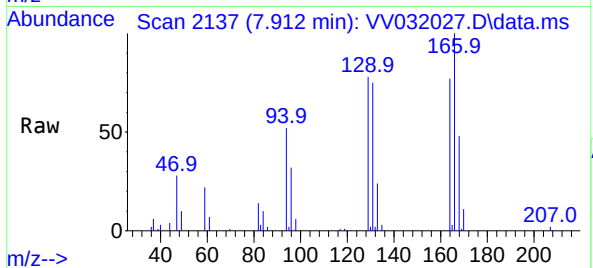




#49
Dibromochloromethane
Concen: 2.313 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.270 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:129 Resp: 12373
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#



#61
1,2,3-Trichloropropane
Concen: 1.810 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.978 min
Lab File: VV032027.D
Acq: 11 Sep 2023 15:33

Tgt Ion: 75 Resp: 7987
Ion Ratio Lower Upper
75 100
77 34.9 28.8 43.2
110 2.2 30.2 45.2#

