

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011323\
 Data File : VW029807.D
 Acq On : 13 Jan 2023 14:42
 Operator : SY/MD
 Sample : 01136-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1T9

Quant Time: Jan 13 22:51:37 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	198029	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	194777	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	103272	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71486	4.759	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.200%
7) Chloroethane-d5	1.565	69	62854	5.048	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.111	63	340594	12.439	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	248.800%#
20) 2-Butanone-d5	3.880	46	140522	52.783	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.560%
24) Chloroform-d	4.339	84	139844	5.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.024	65	63415	5.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.043	84	292250	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.063	67	91499	5.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.200%
41) Toluene-d8	7.307	98	253545	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.616	79	28302	4.583	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.085	63	127542	50.730	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.460%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	67053	5.411	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	100885	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	3234	0.167	ug/L	88
5) Vinyl chloride	1.307	62	4973	0.261	ug/L #	64
8) Chloroethane	1.581	64	5690	0.493	ug/L	95
12) 1,1-Dichloroethene	2.114	96	506960	29.981	ug/L #	79
13) Acetone	2.172	43	11708	6.162	ug/L	97
14) Carbon disulfide	2.291	76	18049	0.371	ug/L	100
16) Methylene chloride	2.503	84	9264	0.441	ug/L	96
17) Methyl tert-butyl Ether	2.764	73	20980	0.718	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	4311	0.274	ug/L	96
19) 1,1-Dichloroethane	3.182	63	1377091	52.370	ug/L	99
21) 2-Butanone	3.982	43	11835	4.348	ug/L	87
22) cis-1,2-Dichloroethene	3.902	96	225306	13.452	ug/L	97
27) 1,2-Dichloroethane	5.133	62	6983	0.503	ug/L	99
33) Benzene	5.098	78	9337	0.145	ug/L	100
34) Trichloroethene	5.905	95	1241413	76.067	ug/L	97
47) Tetrachloroethene	7.966	164	1545	0.112	ug/L	89

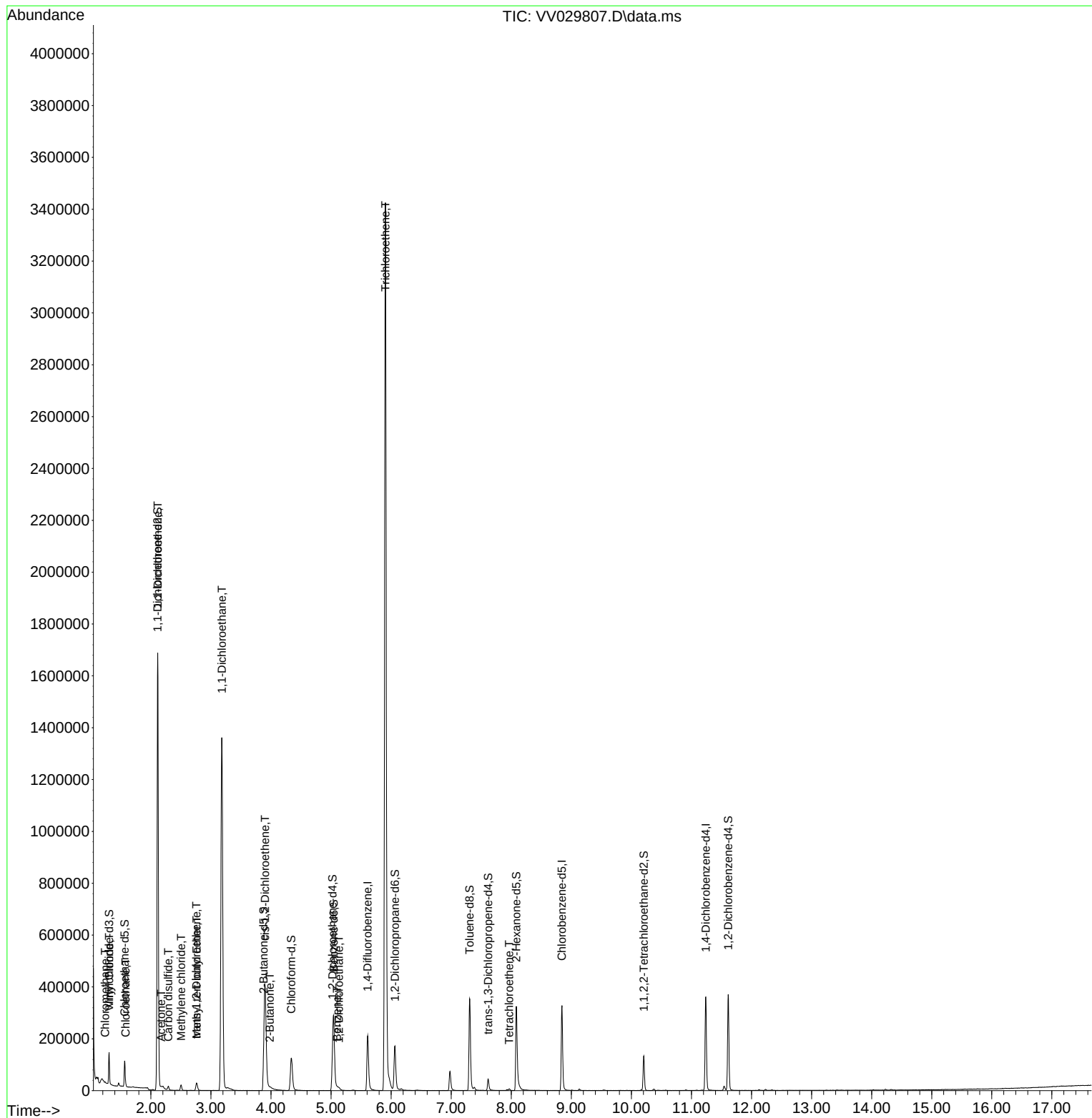
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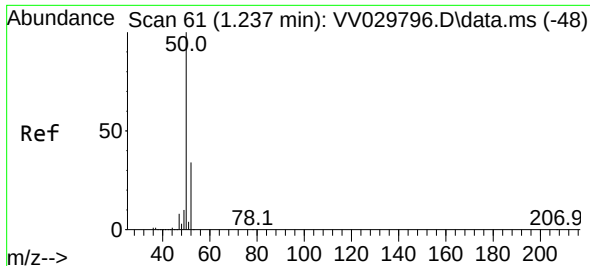
Instrument :
MSVOA_V
ClientSampleId :
BH1T9

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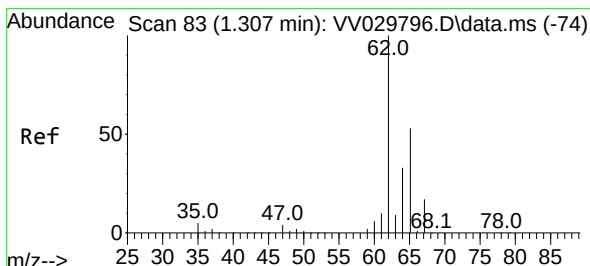
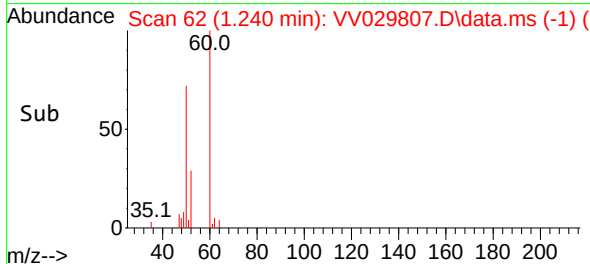
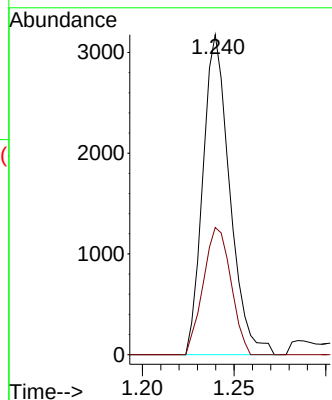
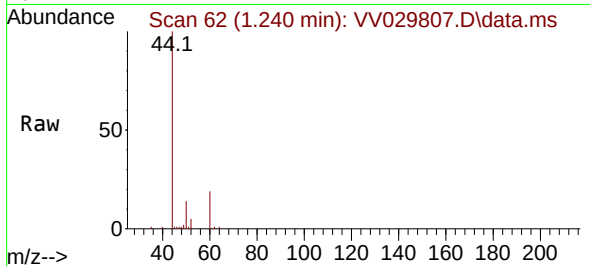




#3
Chloromethane
Concen: 0.167 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

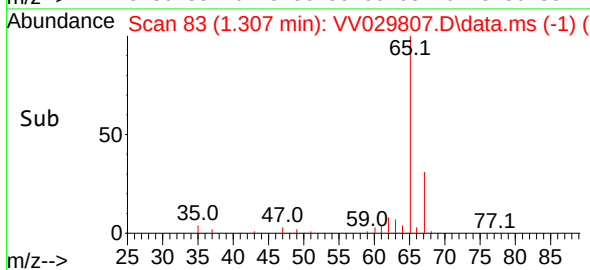
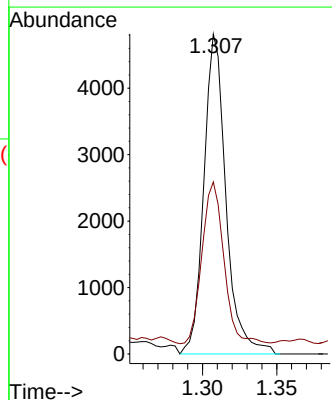
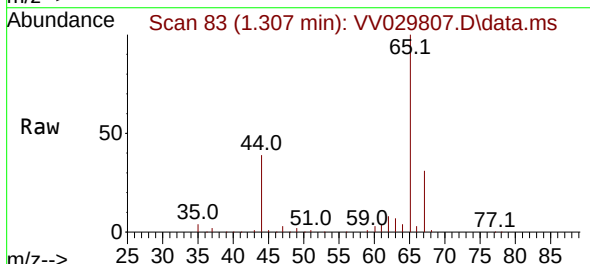
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MSVOA_V
ClientSampleId :
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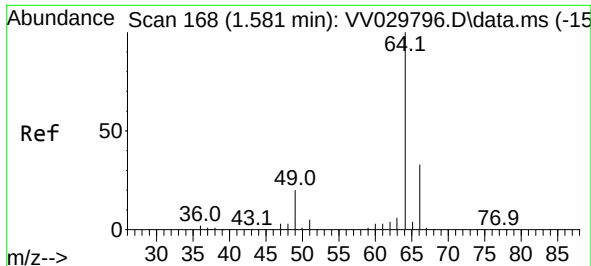
Tgt Ion: 50 Resp: 3234
Ion Ratio Lower Upper
50 100
52 39.7 23.1 42.9



#5
Vinyl chloride
Concen: 0.261 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 62 Resp: 4973
Ion Ratio Lower Upper
62 100
64 53.7 23.2 43.2#

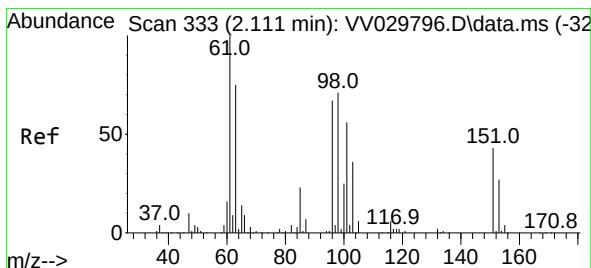
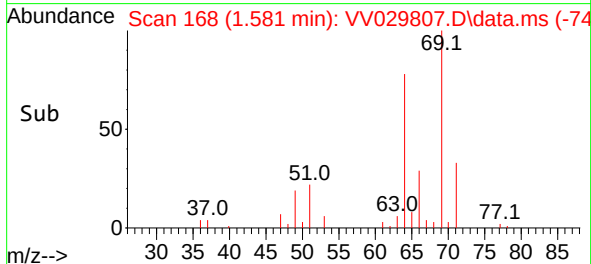
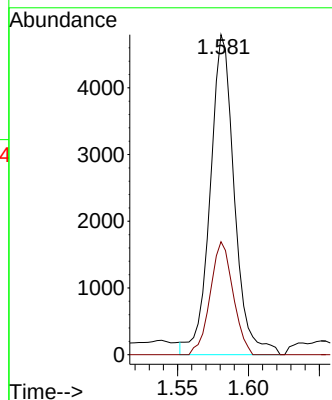
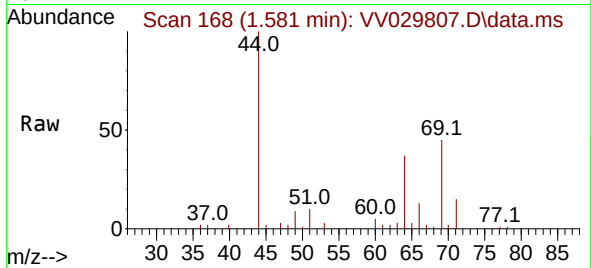




#8
Chloroethane
Concen: 0.493 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

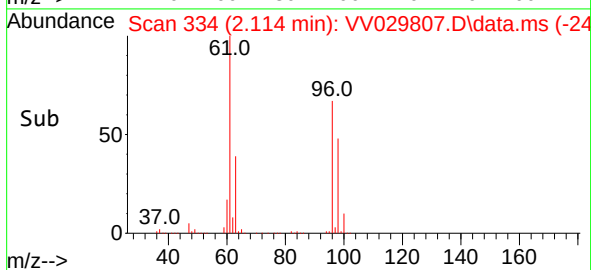
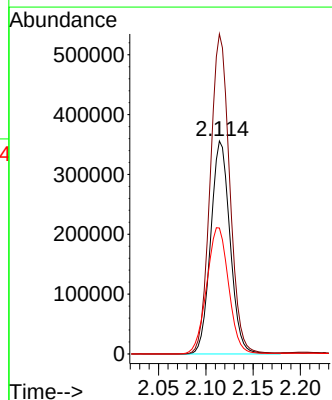
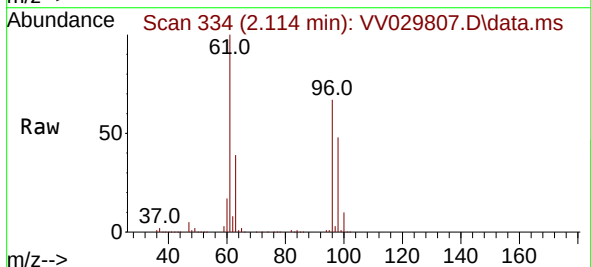
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ClientSampleId :
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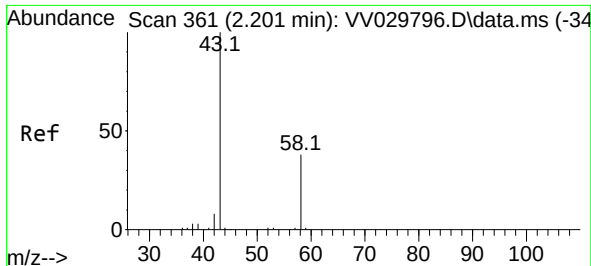
Tgt Ion: 64 Resp: 5690
Ion Ratio Lower Upper
64 100
66 35.3 22.9 42.5



#12
1,1-Dichloroethene
Concen: 29.981 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 96 Resp: 506960
Ion Ratio Lower Upper
96 100
61 150.2 106.1 197.1
63 59.1 76.4 141.8#





#13

Acetone

Concen: 6.162 ug/L

RT: 2.172 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Instrument :

MSVOA_V

ClientSampleId :

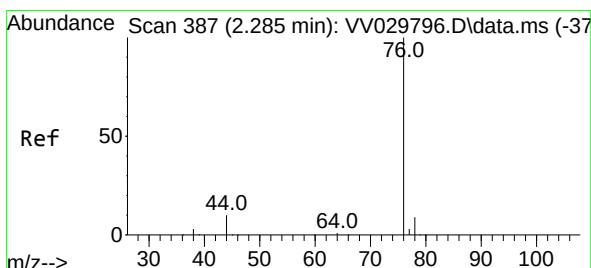
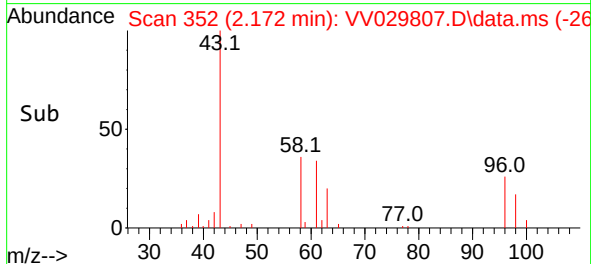
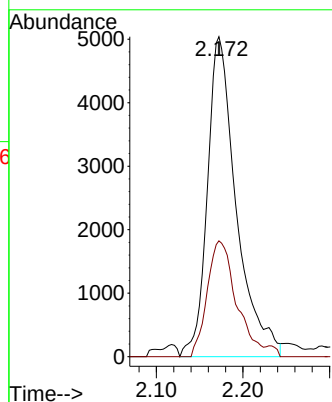
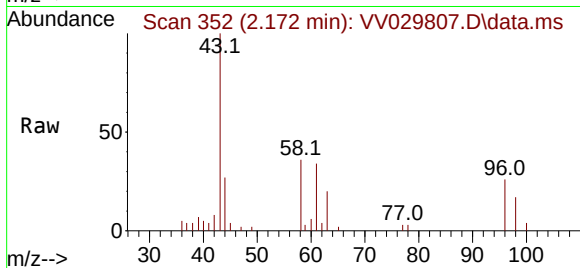
BH1T9

Tgt Ion: 43 Resp: 11708

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.8



#14

Carbon disulfide

Concen: 0.371 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.006 min

Lab File: VV029807.D

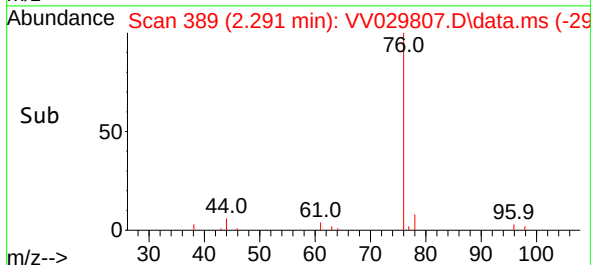
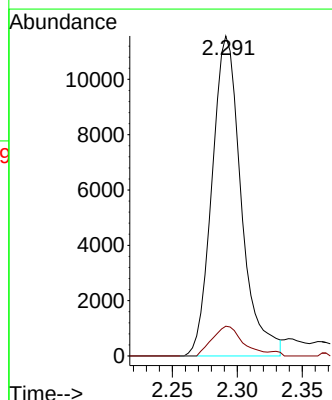
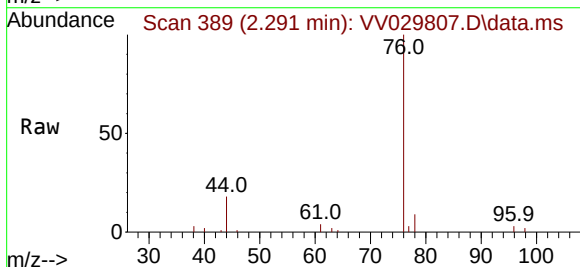
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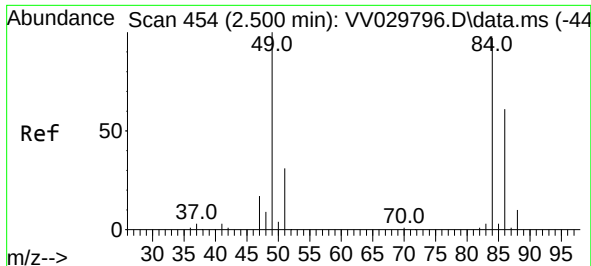
Tgt Ion: 76 Resp: 18049

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

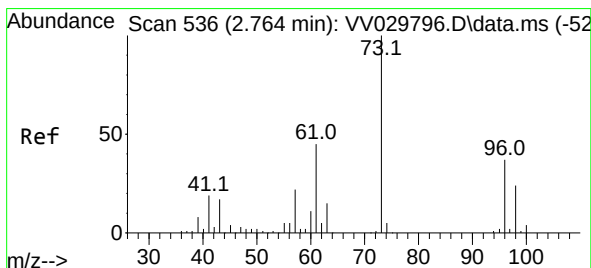
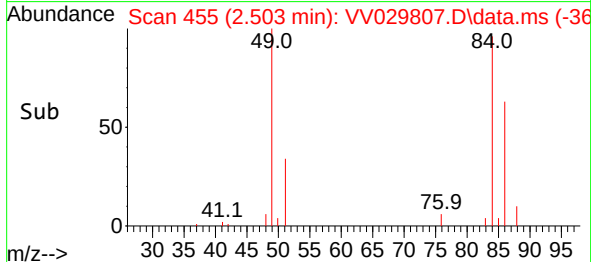
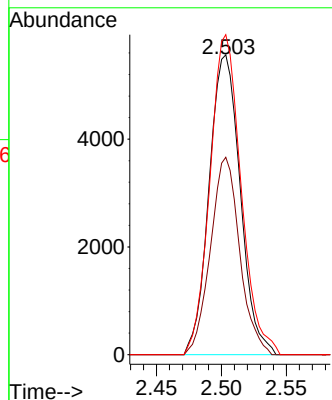
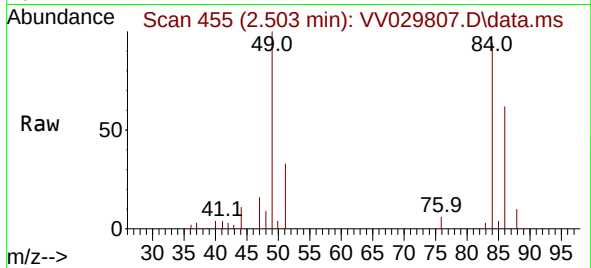




#16
Methylene chloride
Concen: 0.441 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

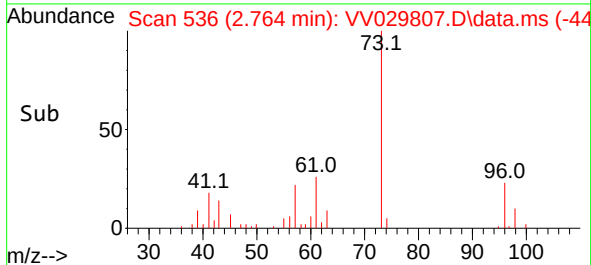
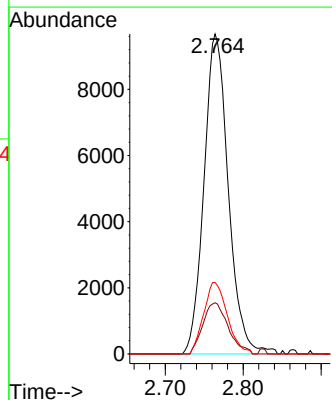
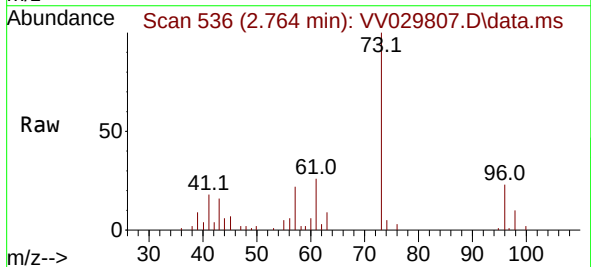
Instrument :
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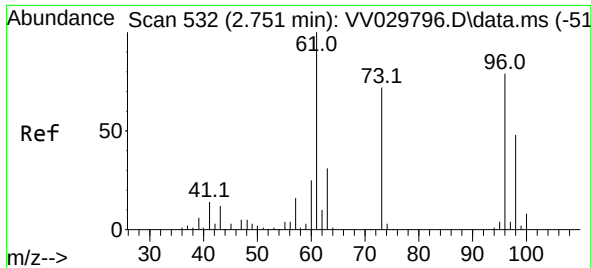
Tgt Ion: 84 Resp: 9264
Ion Ratio Lower Upper
84 100
86 65.8 45.0 83.6
49 106.7 71.5 132.7



#17
Methyl tert-butyl Ether
Concen: 0.718 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 73 Resp: 20980
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 21.7 17.1 25.7

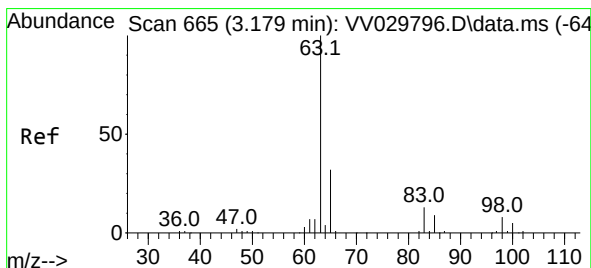
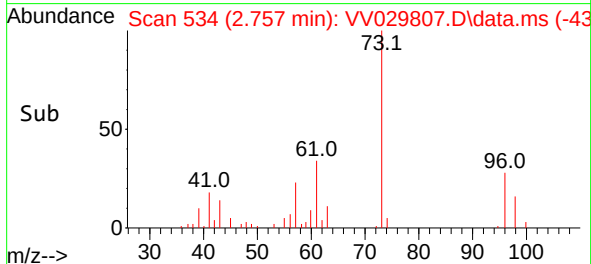
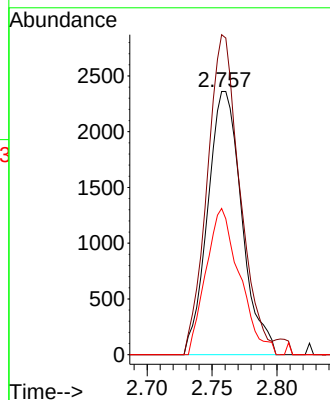
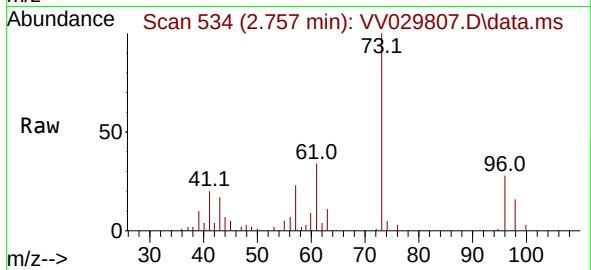




#18
trans-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 2.757 min Scan# 511
Delta R.T. 0.006 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

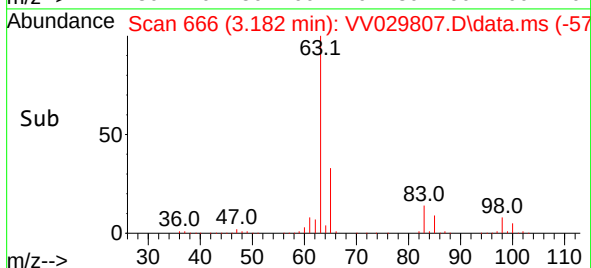
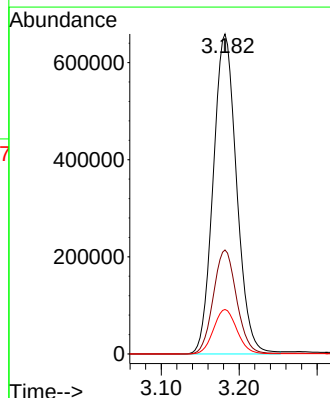
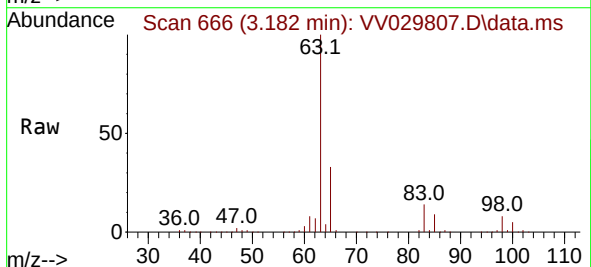
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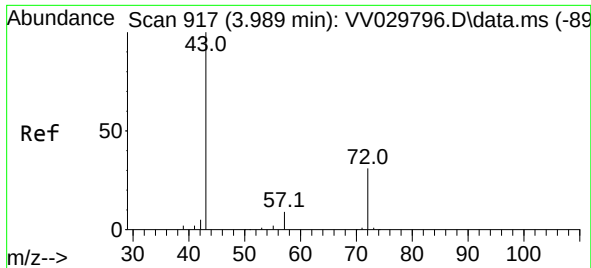
Tgt Ion: 96 Resp: 4311
Ion Ratio Lower Upper
96 100
61 121.6 86.1 159.9
98 55.5 43.9 81.5



#19
1,1-Dichloroethane
Concen: 52.370 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 63 Resp: 1377091
Ion Ratio Lower Upper
63 100
65 32.5 22.4 41.6
83 13.9 10.2 19.0

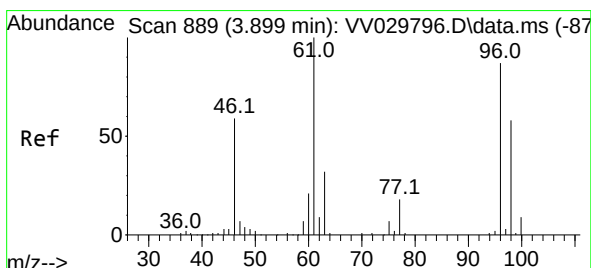
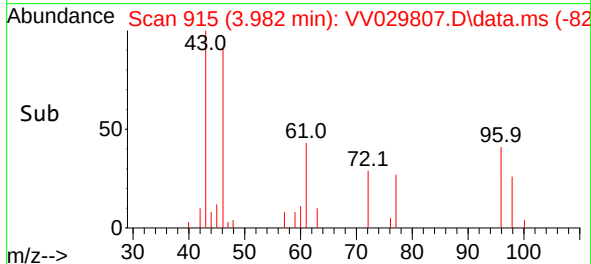
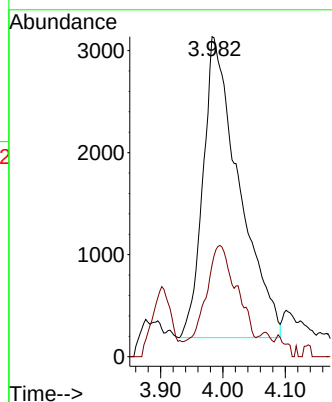
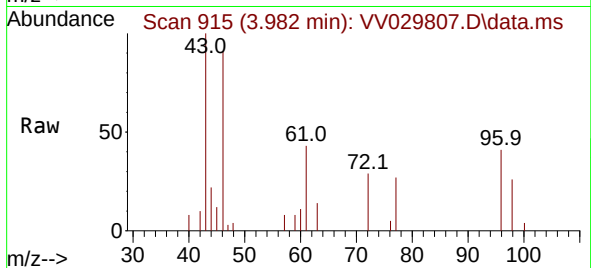




#21
2-Butanone
Concen: 4.348 ug/L
RT: 3.982 min Scan# 915
Delta R.T. -0.000 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

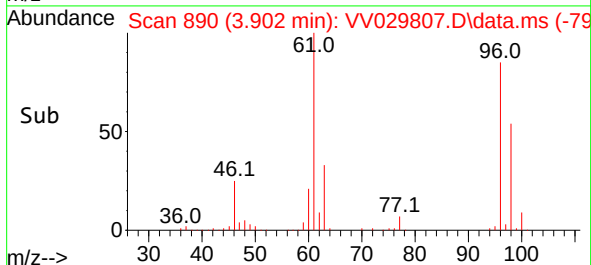
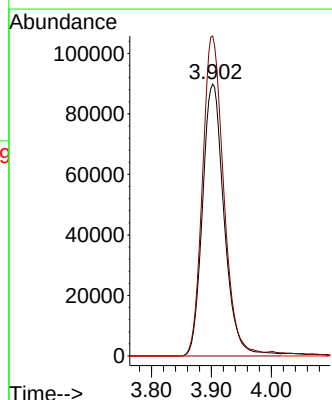
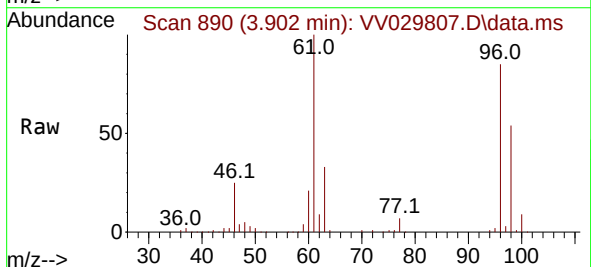
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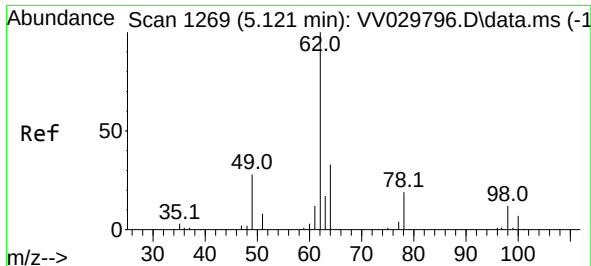
Tgt Ion: 43 Resp: 11835
Ion Ratio Lower Upper
43 100
72 34.4 13.9 41.6



#22
cis-1,2-Dichloroethene
Concen: 13.452 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.003 min
Lab File: VV029807.D
Acq: 13 Jan 2023 14:42

Tgt Ion: 96 Resp: 225306
Ion Ratio Lower Upper
96 100
61 117.7 80.0 148.6
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.503 ug/L

RT: 5.133 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Instrument :

MSVOA_V

ClientSampleId :

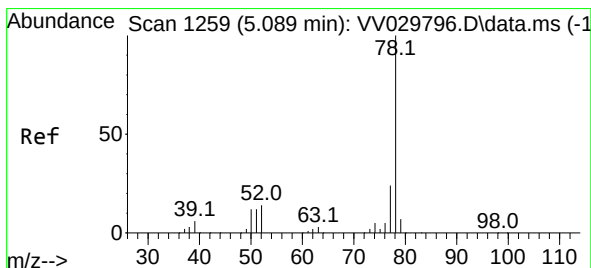
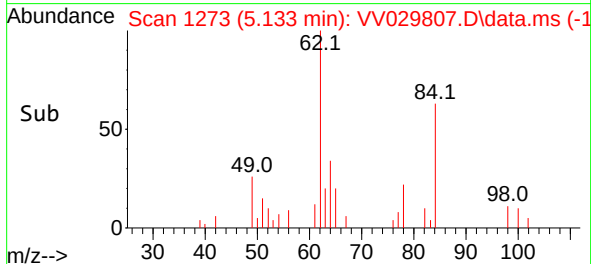
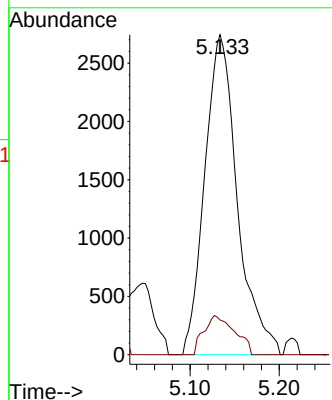
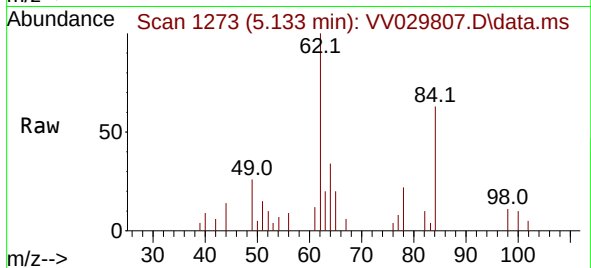
BH1T9

Tgt Ion: 62 Resp: 6983

Ion Ratio Lower Upper

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98 10.9 8.9 13.3



#33

Benzene

Concen: 0.145 ug/L

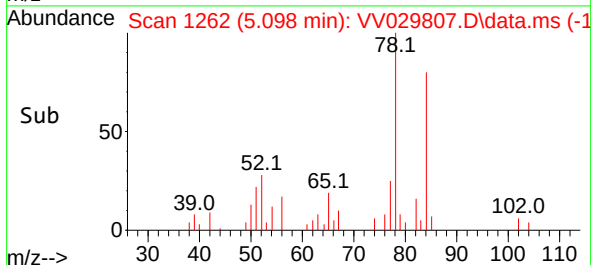
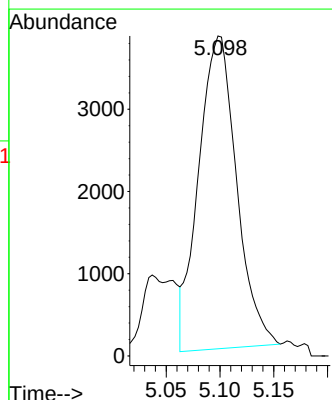
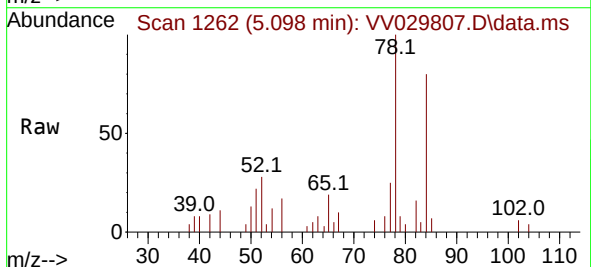
RT: 5.098 min Scan# 1262

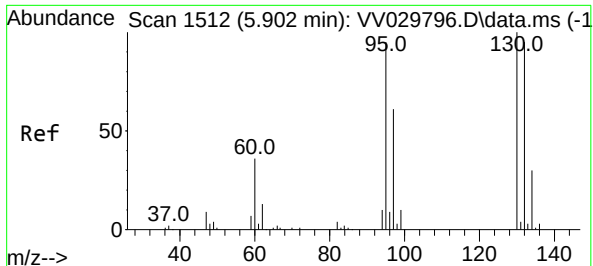
Delta R.T. 0.010 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Tgt Ion: 78 Resp: 9337





#34

Trichloroethene

Concen: 76.067 ug/L

RT: 5.905 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Instrument :

MSVOA_V

ClientSampleId :

BH1T9

Tgt Ion: 95 Resp: 1241413

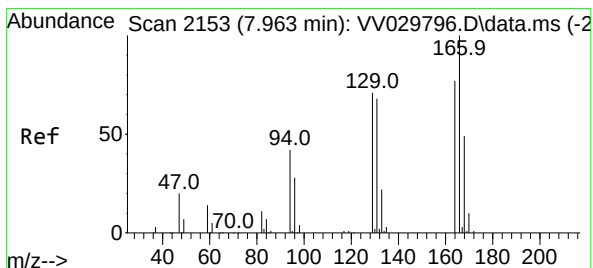
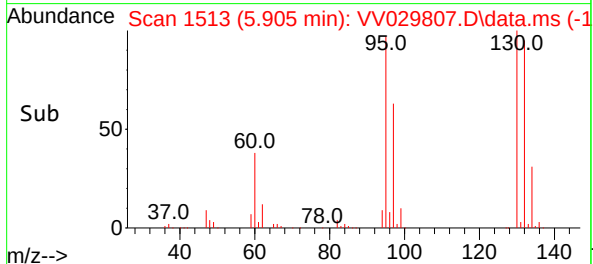
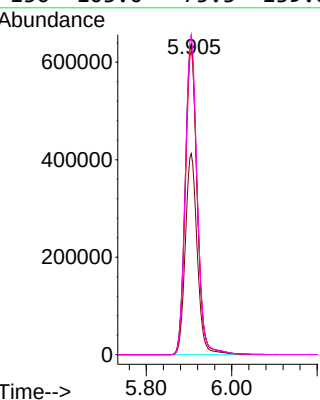
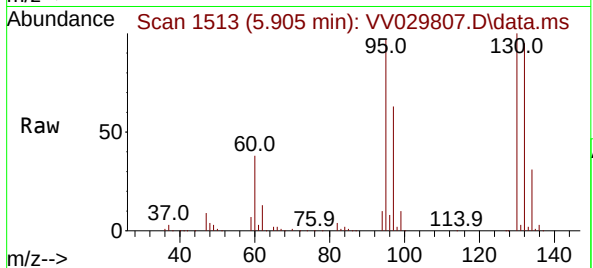
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.3

132 98.3 71.8 133.4

130 103.0 75.3 139.8



#47

Tetrachloroethene

Concen: 0.112 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VV029807.D

Acq: 13 Jan 2023 14:42

Tgt Ion: 164 Resp: 1545

Ion Ratio Lower Upper

164 100

129 113.0 64.5 119.7

131 89.5 62.9 116.7

166 116.8 90.7 168.5

