

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018036.D
 Acq On : 17 Aug 2020 19:31
 Operator : SY/MD
 Sample : L3665-18DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L38DL

Quant Time: Aug 18 01:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	271291	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267845	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85090	41.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.22%
7) Chloroethane-d5	1.58	69	75035	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.12	63	130052	32.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.70%
21) 2-Butanone-d5	3.91	46	124709	91.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.99%
24) Chloroform-d	4.38	84	161791	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.88%
26) 1,2-Dichloroethane-d4	5.06	65	111972	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.50%
32) Benzene-d6	5.07	84	326879	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
36) 1,2-Dichloropropane-d6	6.09	67	107090	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.76%
41) Toluene-d8	7.34	98	284971	42.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.86%
43) trans-1,3-Dichloropropene-	7.64	79	47043	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
47) 2-Hexanone-d5	8.11	63	57949	74.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.83%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	129416	41.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	118469	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%

Target Compounds

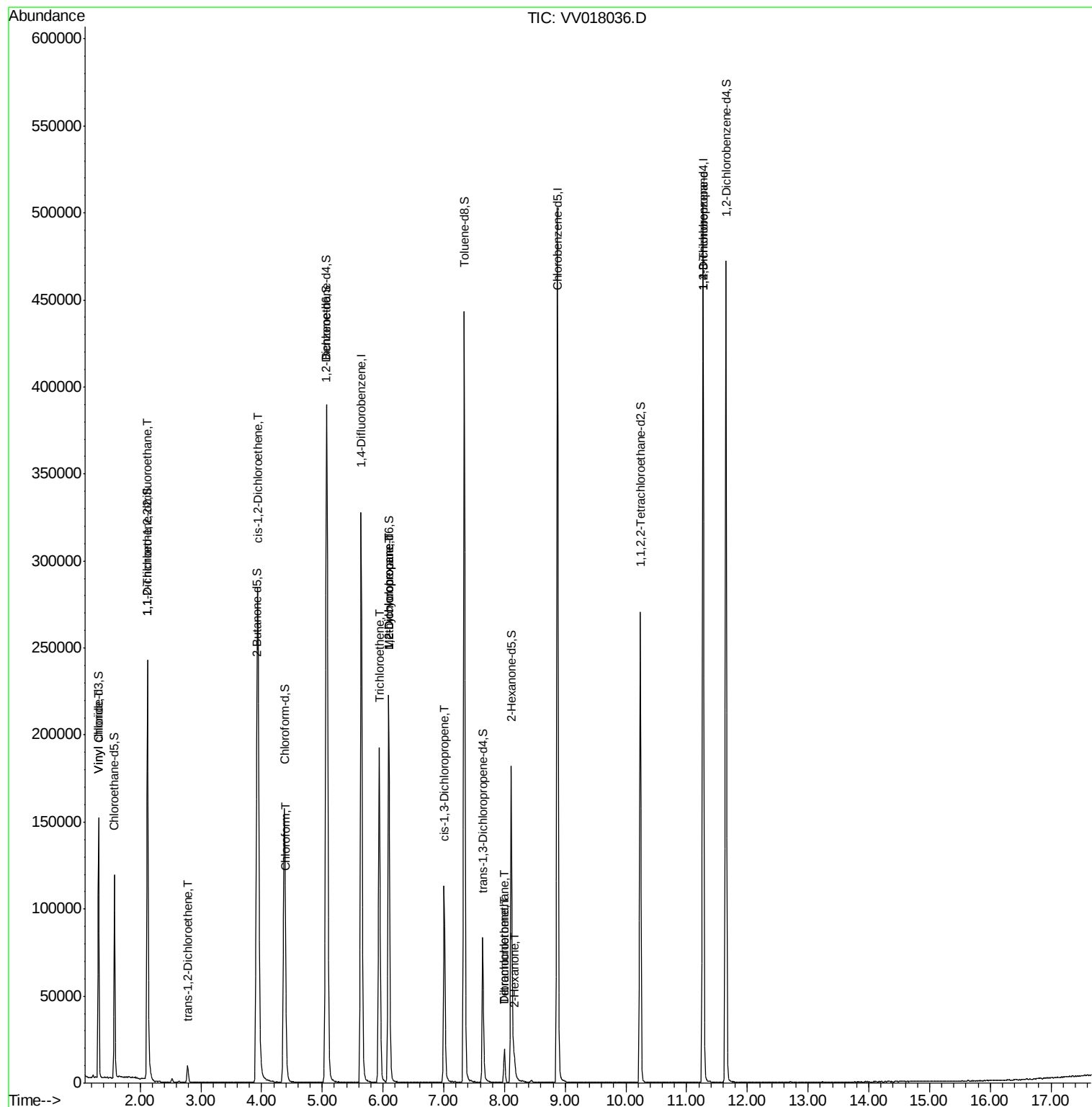
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	7601	3.153	ug/L #	75
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1308	0.680	ug/L #	20
17) trans-1,2-Dichloroethene	2.78	96	3467	1.853	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	134810	65.579	ug/L	99
25) Chloroform	4.40	83	4535	1.182	ug/L	93
34) Trichloroethene	5.94	95	64530	29.460	ug/L	98
35) Methylcyclohexane	6.09	83	25464	7.818	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11853	5.245	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2732	0.853	ug/L #	56
46) Tetrachloroethene	8.00	164	4479	2.788	ug/L	96
48) 2-Hexanone	8.16	43	7616	3.197	ug/L #	90
49) Dibromochloromethane	8.00	129	4172	2.042	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15556	5.574	ug/L	92

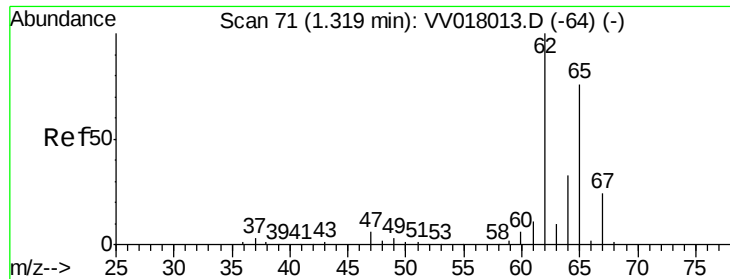
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.153 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

Instrument :

MSVOA_V

ClientSampleId :

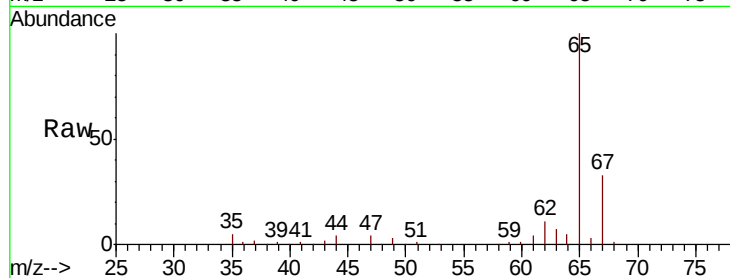
F4L38DL

Tot Ion: 62 Resp: 7601

Ion Ratio Lower Upper

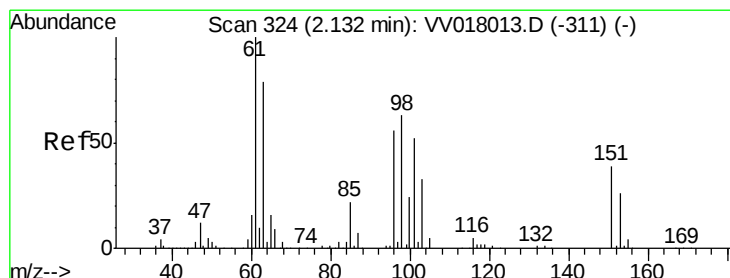
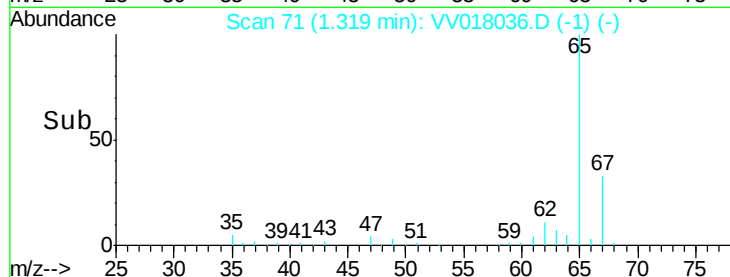
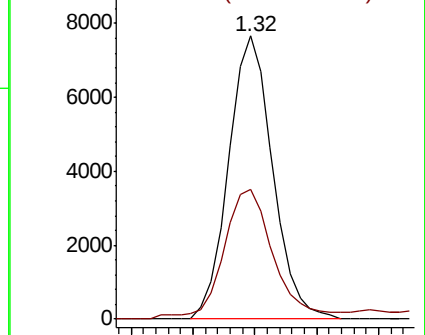
62 100

64 45.7 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV018013.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018013.D (-64) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.680 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

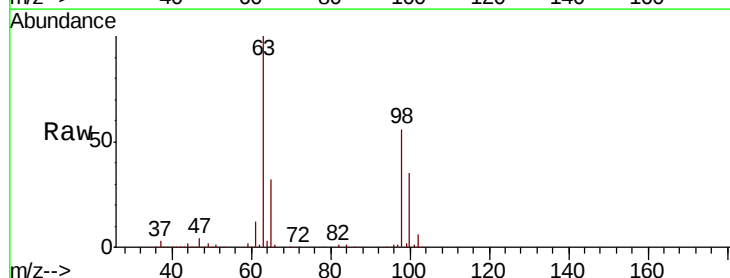
Tgt Ion:101 Resp: 1308

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

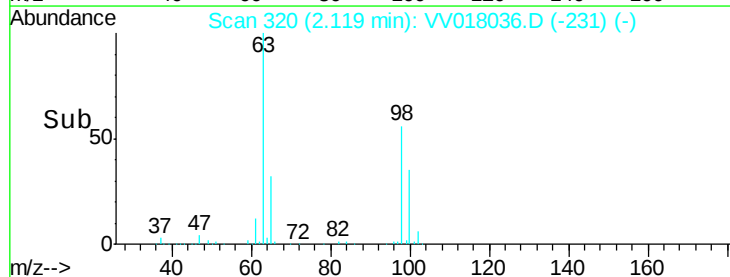
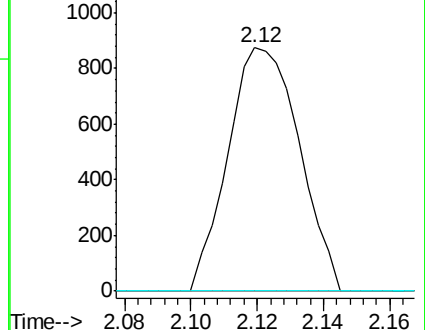
151 0.0 59.1 88.7#

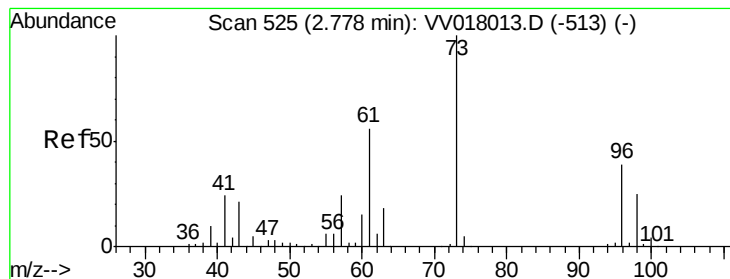


Abundance Ion 101.00 (100.70 to 101.70): VV018013.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018013.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018013.D (-311) (-)





#17

trans-1,2-Dichloroethene

Concen: 1.853 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

Instrument :

MSVOA_V

ClientSampleId :

F4L38DL

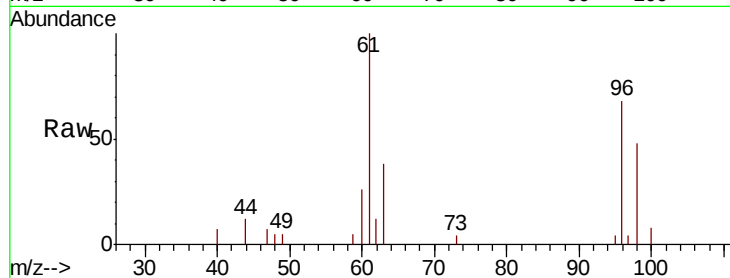
Tot Ion: 96 Resp: 3467

Ion Ratio Lower Upper

96 100

61 147.8 102.4 190.2

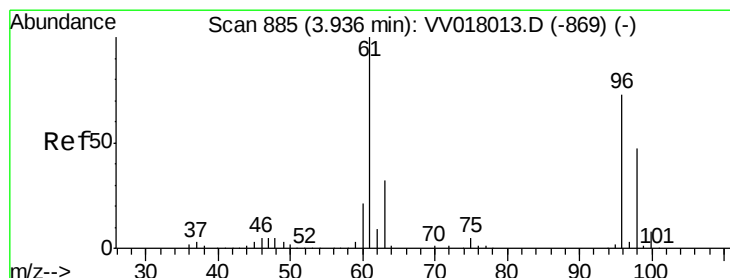
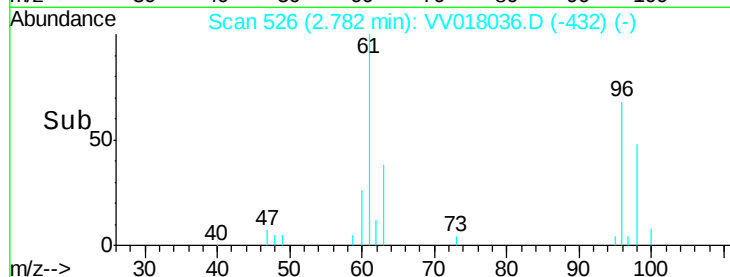
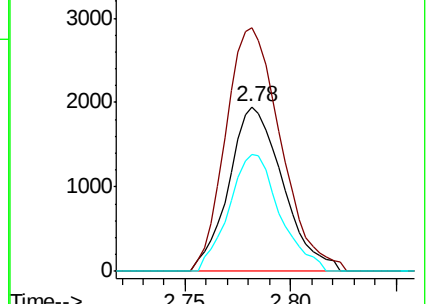
98 71.3 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 65.579 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

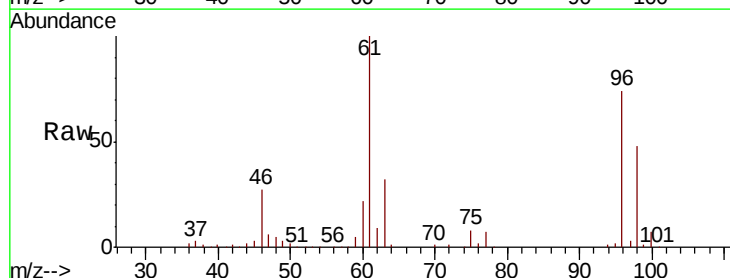
Tgt Ion: 96 Resp: 134810

Ion Ratio Lower Upper

96 100

61 134.4 95.0 176.4

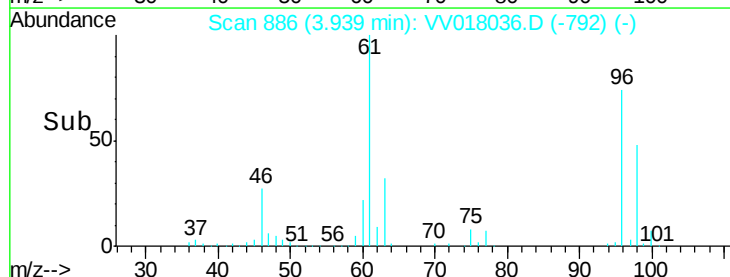
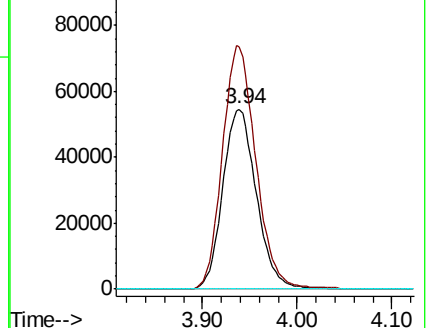
68 0.0 0.0 0.0

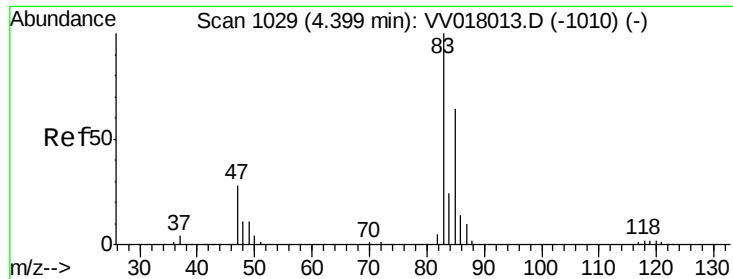


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

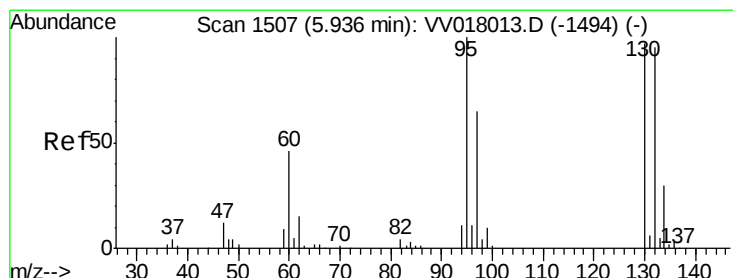
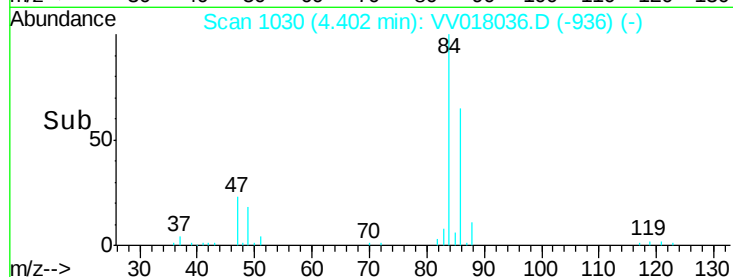
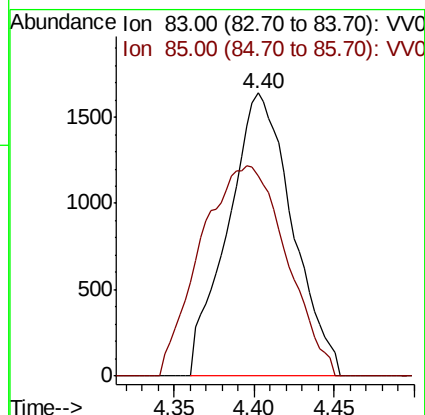
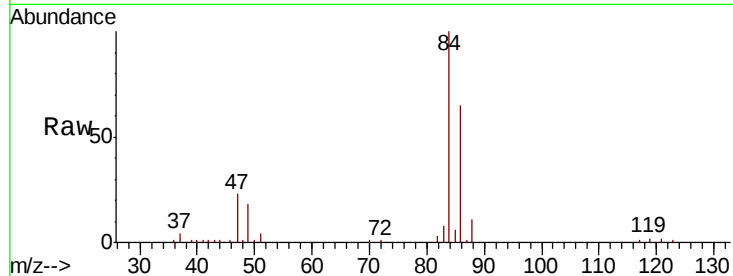




#25
Chloroform
Concen: 1.182 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

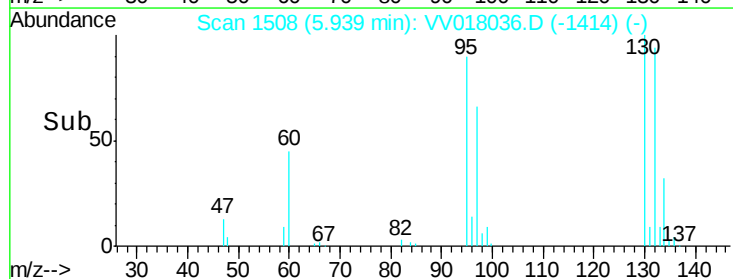
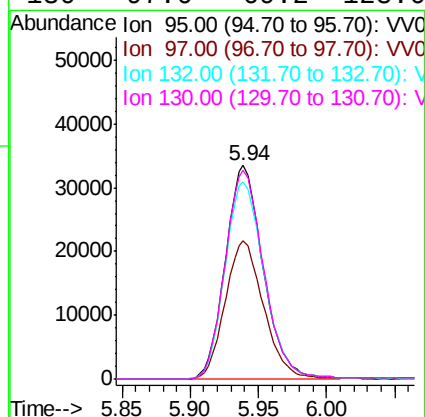
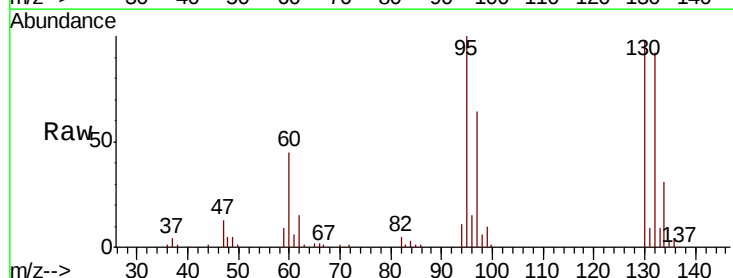
Instrument :
MSVOA_V
ClientSampleId :
F4L38DL

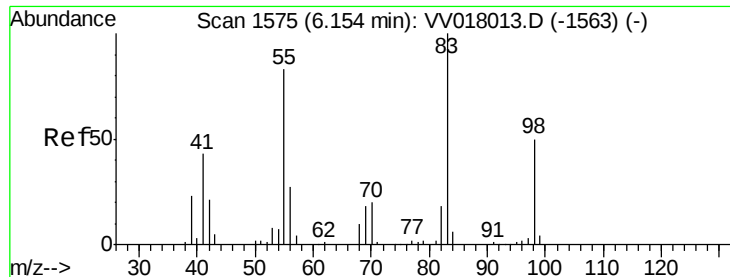
Tot Ion: 83 Resp: 4535
Ion Ratio Lower Upper
83 100
85 70.8 45.5 84.5



#34
Trichloroethene
Concen: 29.460 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

Tgt Ion: 95 Resp: 64530
Ion Ratio Lower Upper
95 100
97 64.5 46.0 85.4
132 92.2 65.8 122.2
130 97.6 69.2 128.6

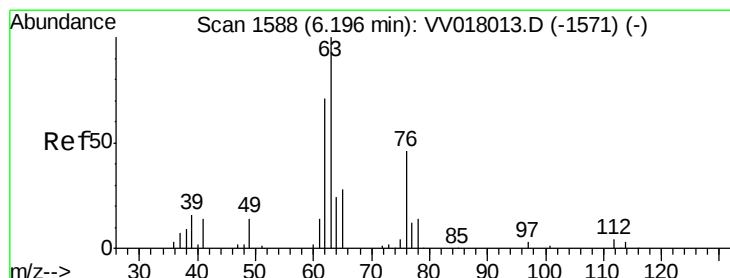
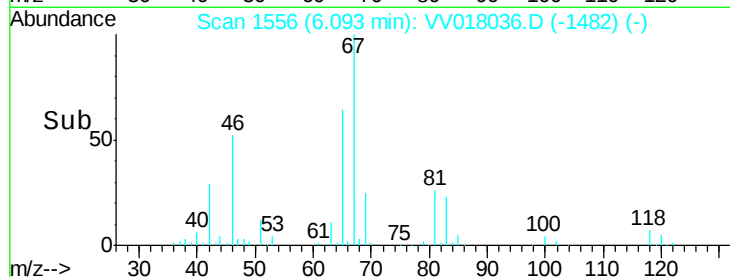
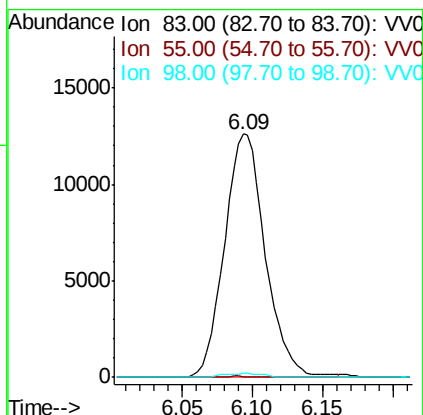
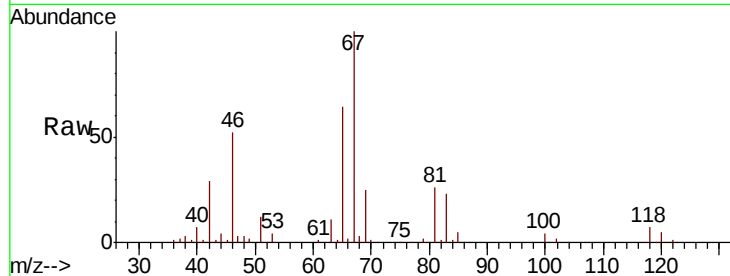




#35
Methvlcvclohexane
Concen: 7.818 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

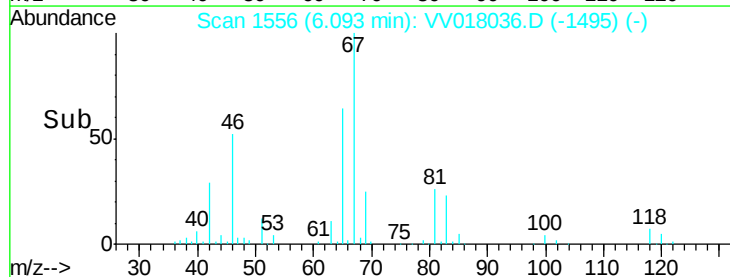
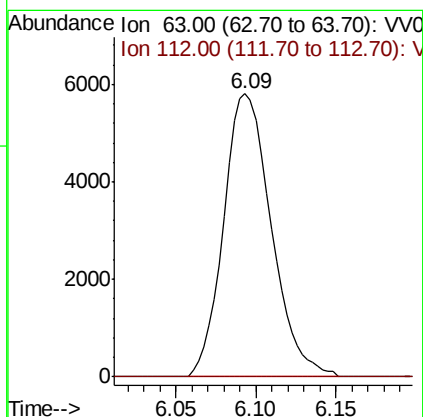
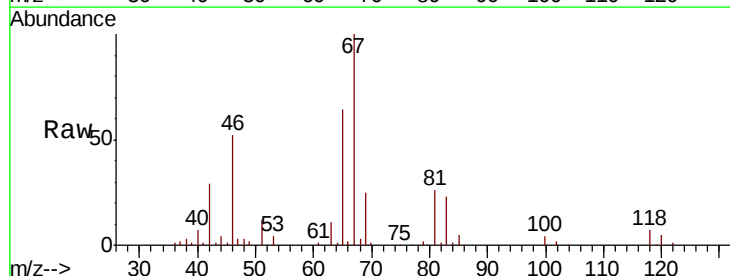
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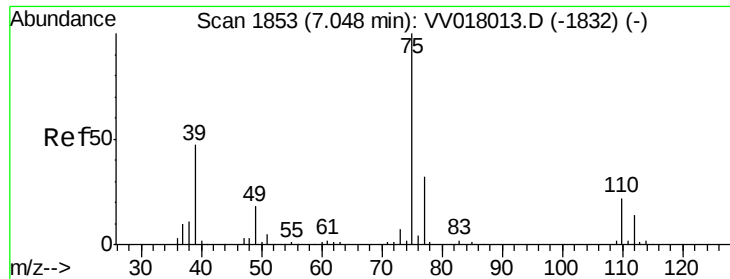
Tot Ion: 83 Resp: 25464
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 1.1 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.245 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

Tgt Ion: 63 Resp: 11853
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

Instrument :

MSVOA_V

ClientSampleId :

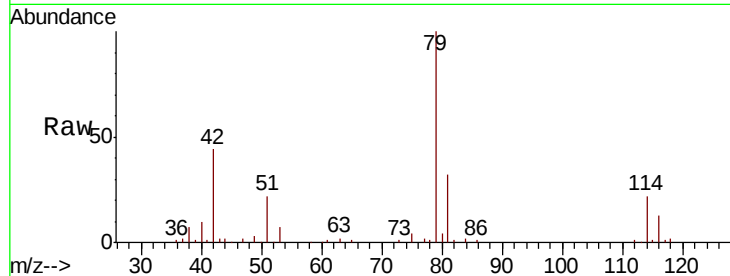
F4L38DL

Tot Ion: 75 Resp: 2732

Ion Ratio Lower Upper

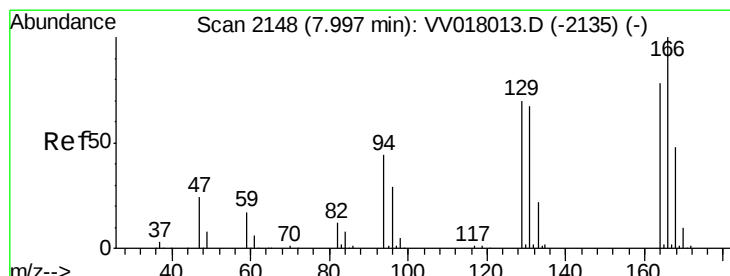
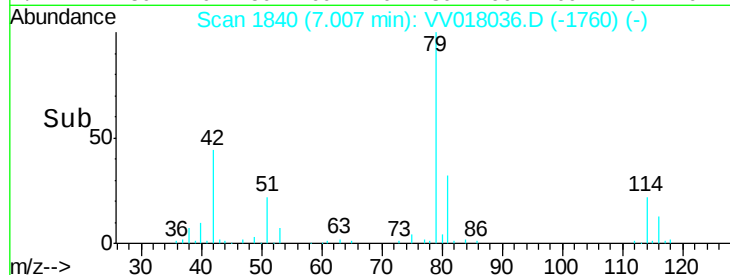
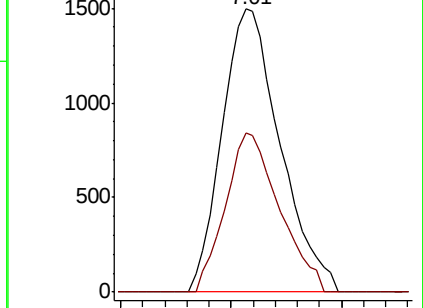
75 100

77 56.1 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV018013.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV018013.D (-1832) (-)



#46

Tetrachloroethene

Concen: 2.788 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

Tgt Ion:164 Resp: 4479

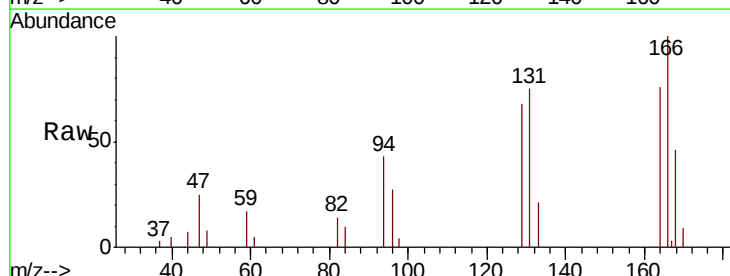
Ion Ratio Lower Upper

164 100

129 88.4 64.8 120.3

131 97.8 64.5 119.9

166 130.9 88.9 165.1

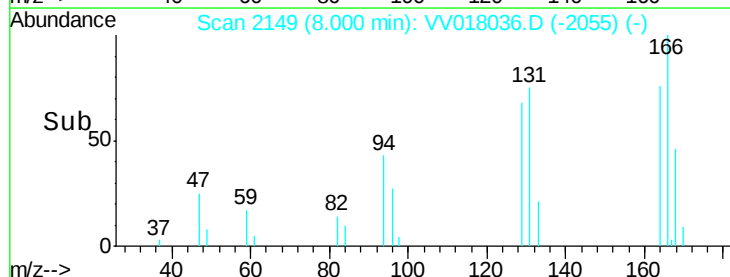
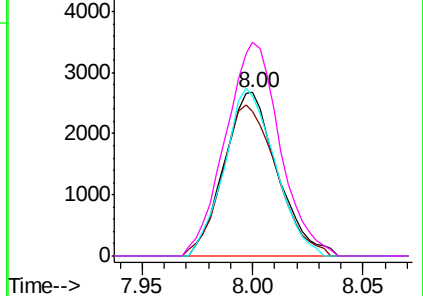


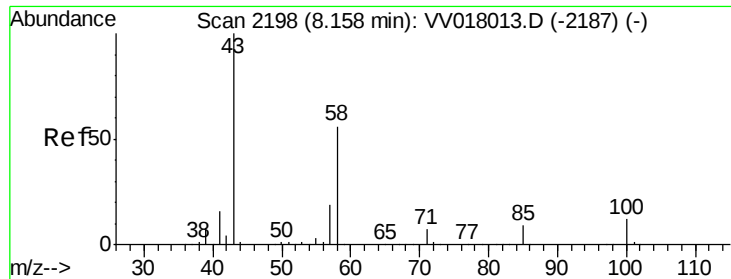
Abundance Ion 164.00 (163.70 to 164.70): VV018013.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018013.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018013.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018013.D (-2135) (-)

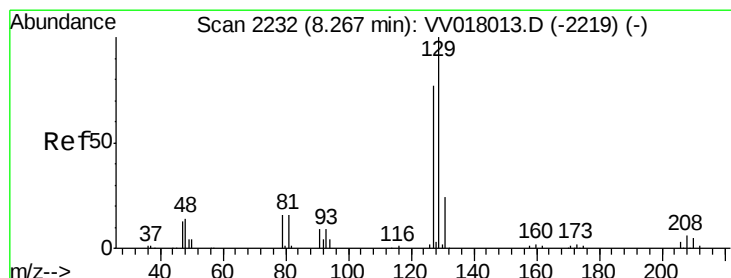
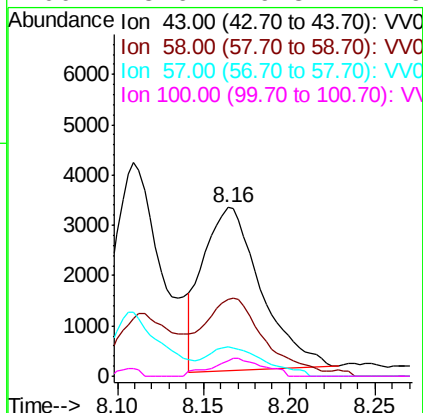
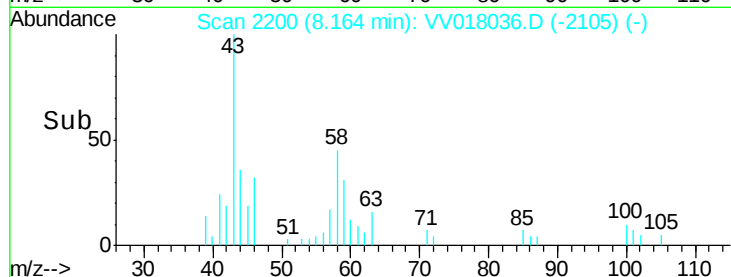
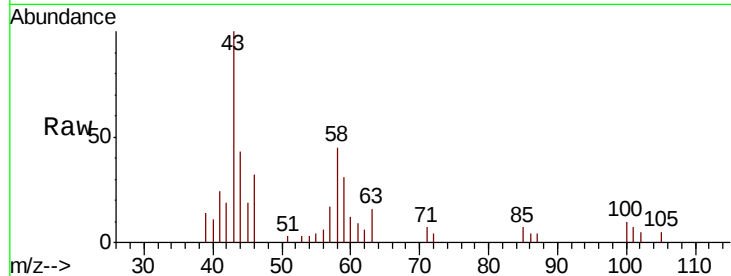




#48
2-Hexanone
Concen: 3.197 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

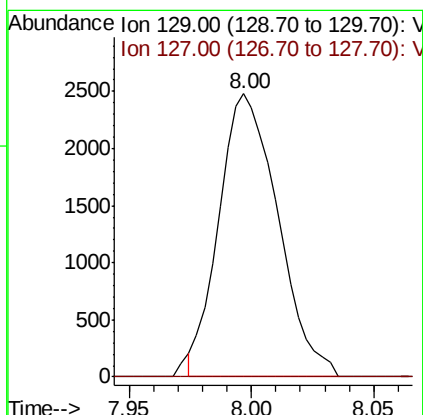
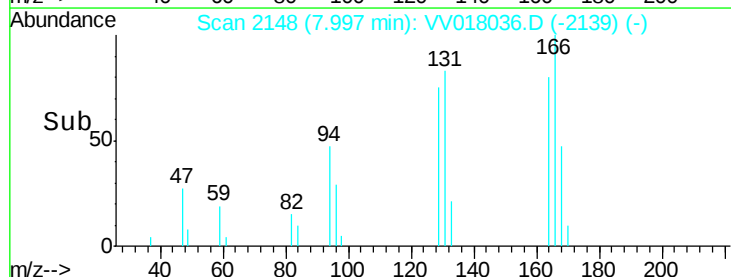
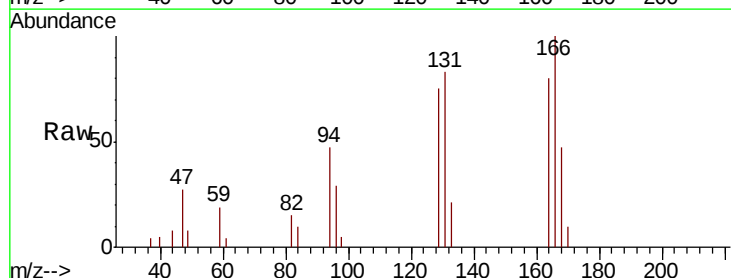
Instrument :
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F4L38DL

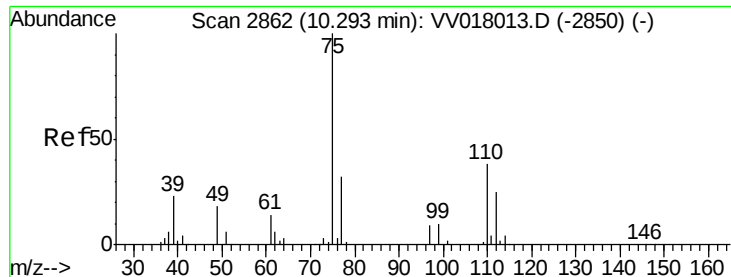
Tot Ion: 43 Resp: 7616
Ion Ratio Lower Upper
43 100
58 47.9 44.4 66.6
57 18.0 15.2 22.8
100 5.6 9.8 14.6#



#49
Dibromochloromethane
Concen: 2.042 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV018036.D
Acq: 17 Aug 2020 19:31

Tgt Ion: 129 Resp: 4172
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 5.574 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018036.D

Acq: 17 Aug 2020 19:31

Instrument :

MSVOA_V

ClientSampleId :

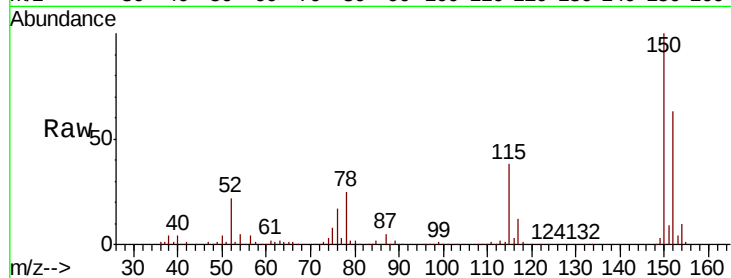
F4L38DL

Tot Ion: 75 Resp: 15556

Ion Ratio Lower Upper

75 100

77 36.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

