

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV017532.D
 Acq On : 17 Jul 2020 18:37
 Operator : SY/MD
 Sample : L3336-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7S

Quant Time: Jul 18 05:11:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 18 05:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286829	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134436	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64798	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	62019	59.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.24%
11) 1,1-Dichloroethene-d2	2.12	63	119992	35.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.98%
21) 2-Butanone-d5	3.91	46	99476	97.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.53%
24) Chloroform-d	4.38	84	150032	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.06	65	114976	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
32) Benzene-d6	5.07	84	269868	41.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.50%
36) 1,2-Dichloropropane-d6	6.09	67	79546	42.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.48%
41) Toluene-d8	7.34	98	285310	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%
43) trans-1,3-Dichloropropene-	7.64	79	48374	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.11	63	97045	127.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	143930	55.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	111438	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%

Target Compounds

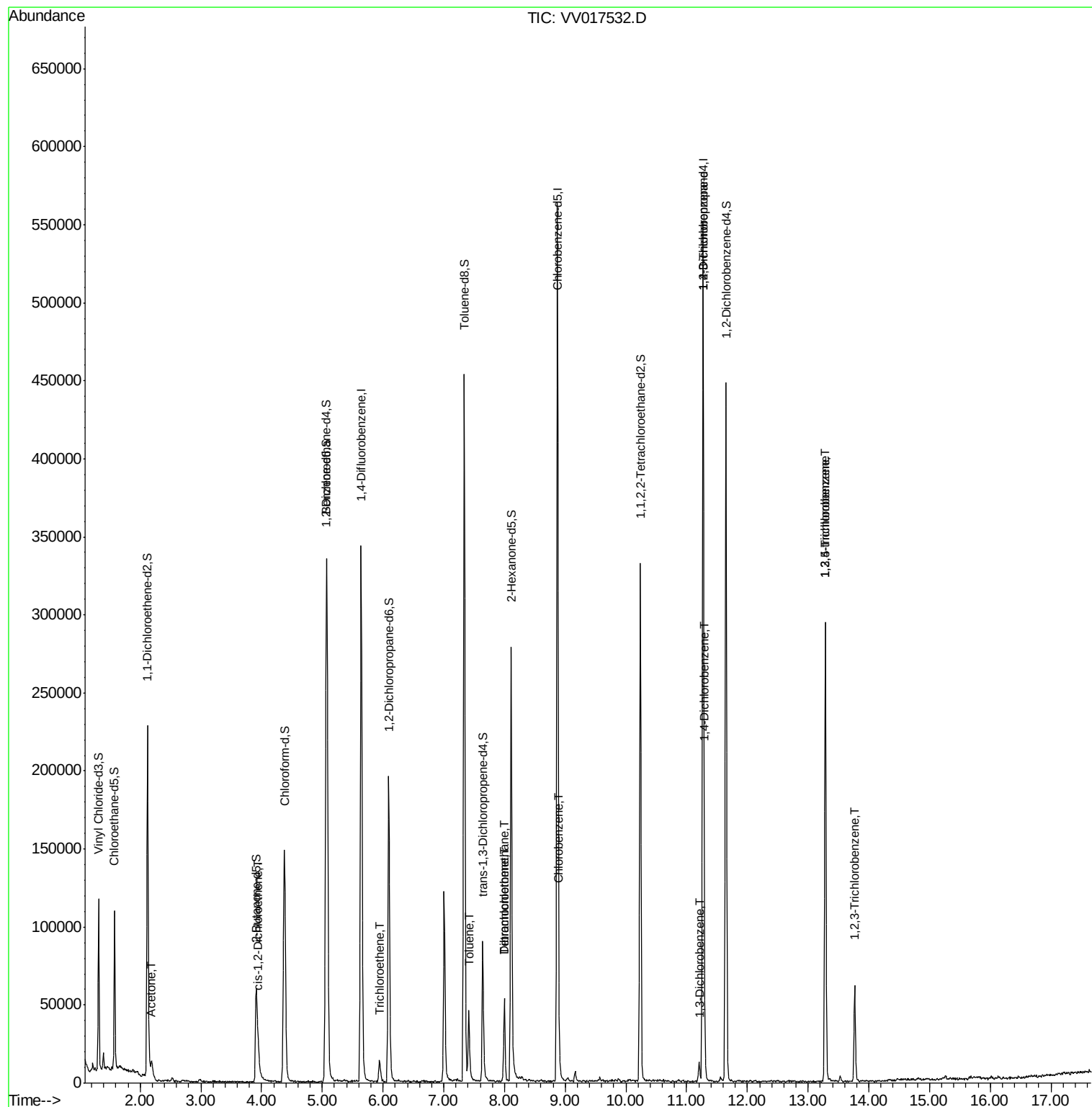
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	13443	9.683	ug/L	89
20) cis-1,2-Dichloroethene	3.95	96	2750	1.370	ug/L	96
34) Trichloroethene	5.94	95	4613	1.964	ug/L	95
42) Toluene	7.41	91	32017	3.622	ug/L	97
46) Tetrachloroethene	8.00	164	11664	5.915	ug/L	86
49) Dibromochloromethane	8.00	129	9099	3.475	ug/L #	10
51) Chlorobenzene	8.90	112	4076	0.680	ug/L	92
59) 1,2,3-Trichloropropane	11.27	75	17819	6.647	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	4665	1.112	ug/L	81
63) 1,4-Dichlorobenzene	11.30	146	16179	3.800	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	89050	28.181	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	89050	32.137	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	18764	6.657	ug/L	99

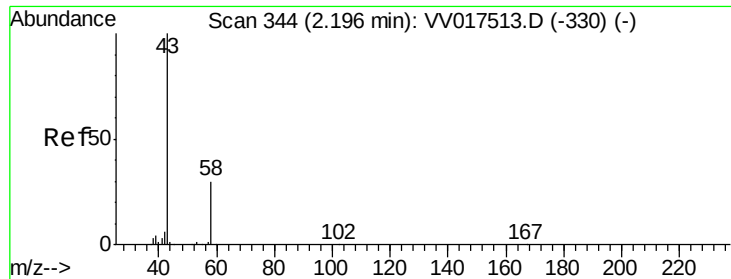
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jul 18 05:06:25 2020
Response via : Initial Calibration





#13

Acetone

Concen: 9.683 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

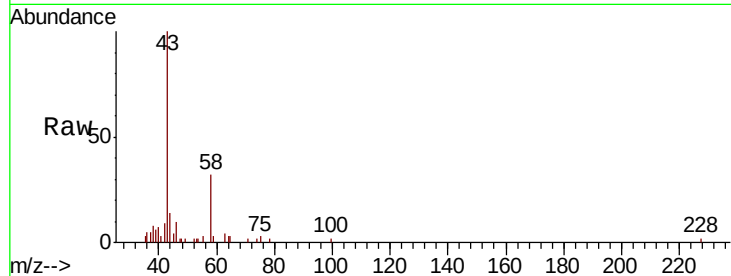
PMW-7S

Tot Ion: 43 Resp: 13443

Ion Ratio Lower Upper

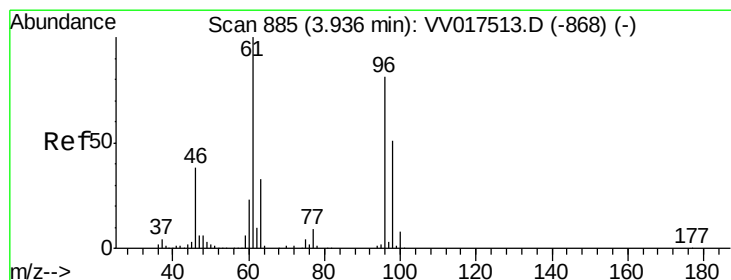
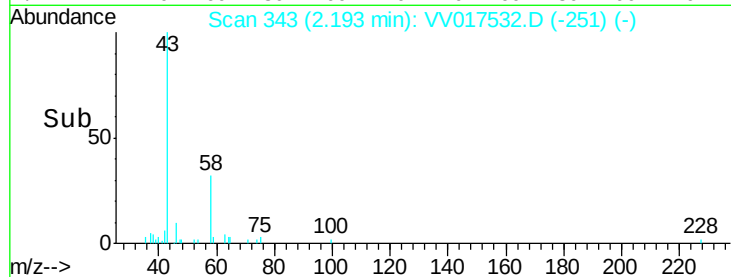
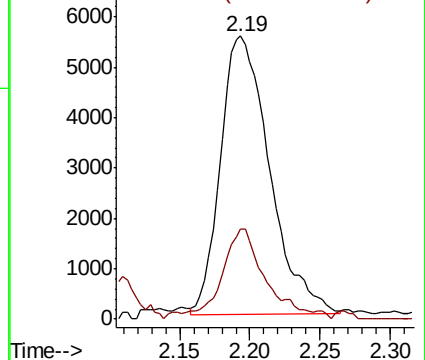
43 100

58 22.0 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1.370 ug/L

RT: 3.95 min Scan# 890

Delta R.T. 0.02 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

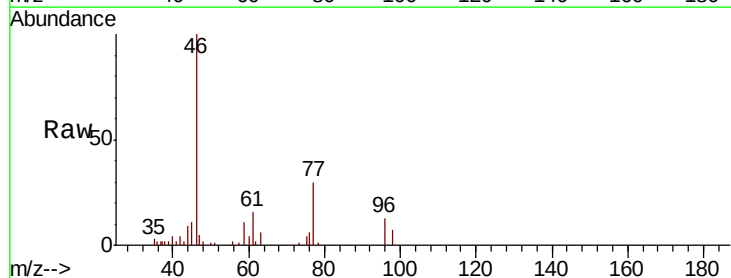
Tgt Ion: 96 Resp: 2750

Ion Ratio Lower Upper

96 100

61 122.7 88.9 165.1

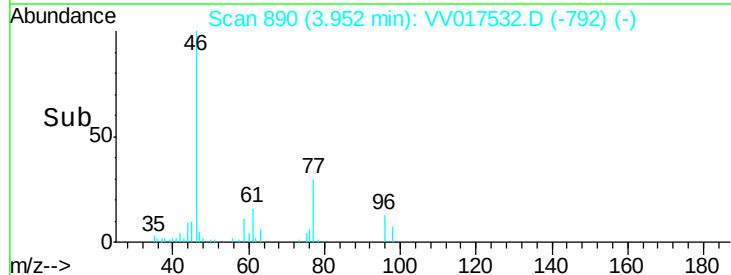
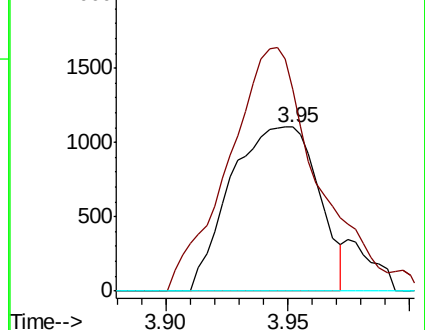
68 0.0 0.0 0.0

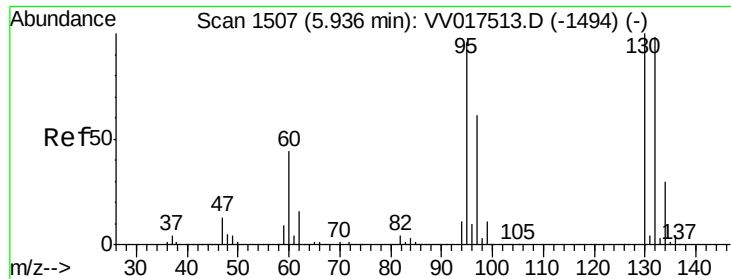


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

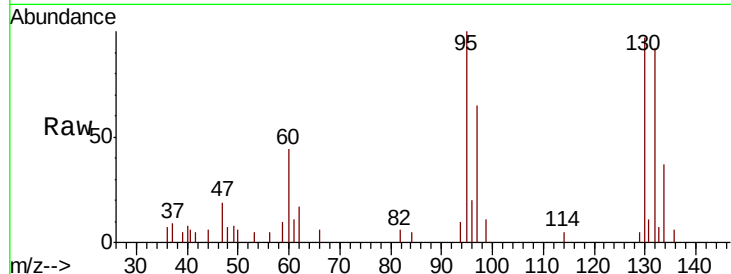




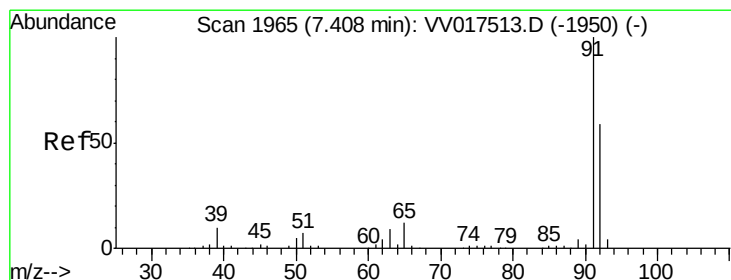
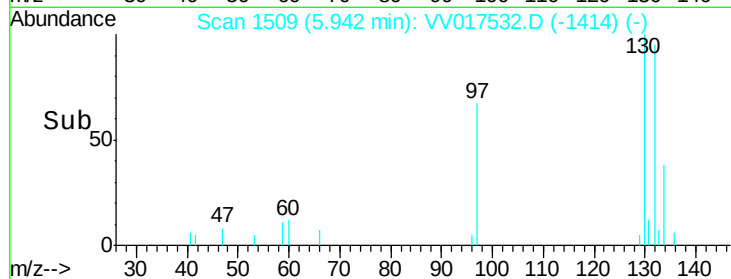
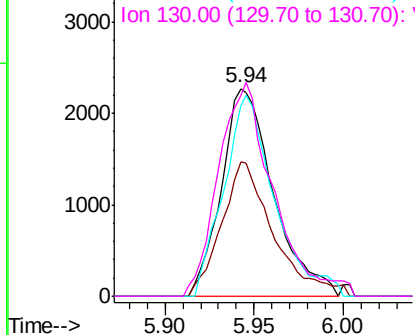
#34
 Trichloroethene
 Concen: 1.964 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017532.D
 Acq: 17 Jul 2020 18:37

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7S

Tot Ion: 95 Resp: 4613
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.6 84.6
 132 92.0 74.1 137.5
 130 108.4 75.5 140.3

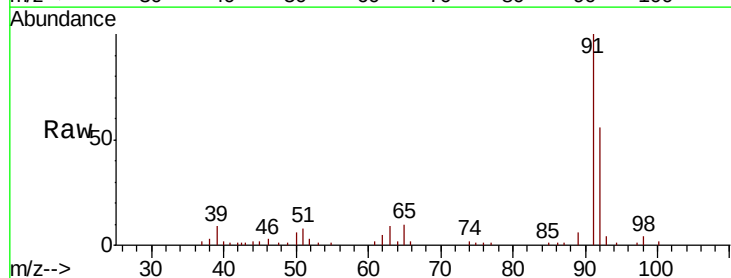


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

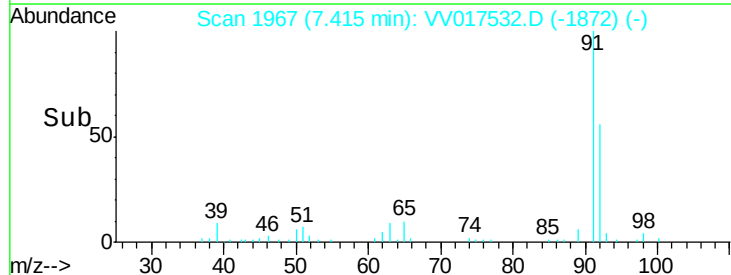
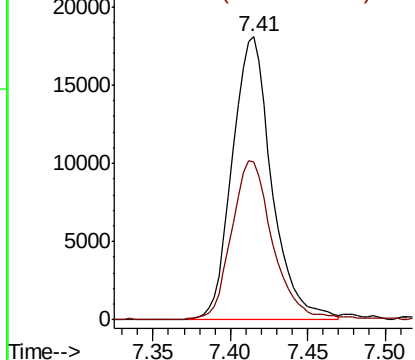


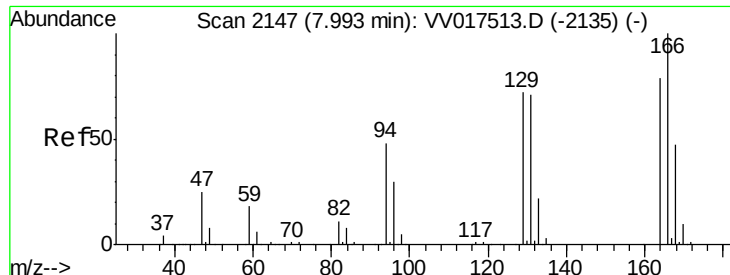
#42
 Toluene
 Concen: 3.622 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV017532.D
 Acq: 17 Jul 2020 18:37

Tgt Ion: 91 Resp: 32017
 Ion Ratio Lower Upper
 91 100
 92 55.8 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
 Ion 92.00 (91.70 to 92.70): VV0

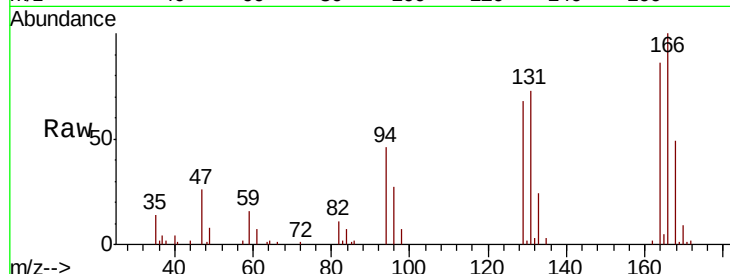




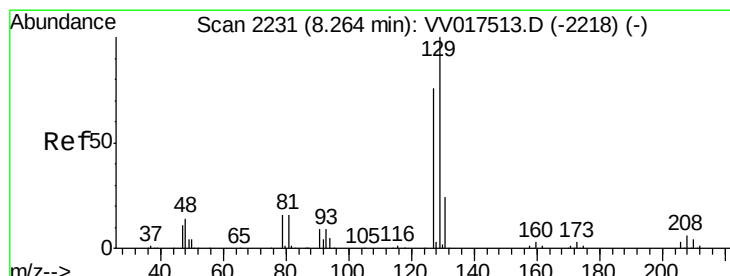
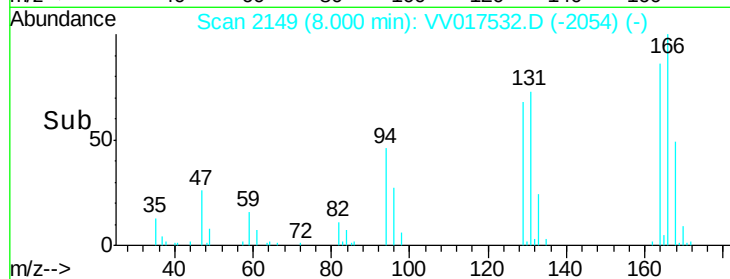
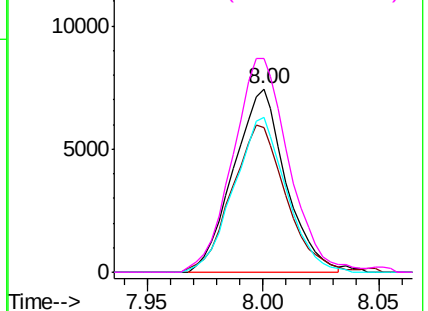
#46
Tetrachloroethene
Concen: 5.915 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV017532.D
Acq: 17 Jul 2020 18:37

Instrument :
MSVOA_V
ClientSampleId :
PMW-7S

Tot Ion:164 Resp: 11664
Ion Ratio Lower Upper
164 100
129 79.1 66.6 123.8
131 84.6 65.5 121.7
166 116.6 93.9 174.5

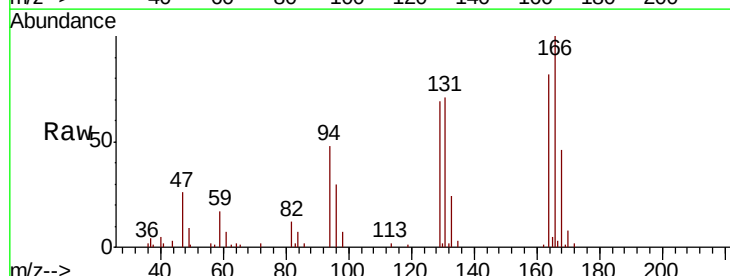


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

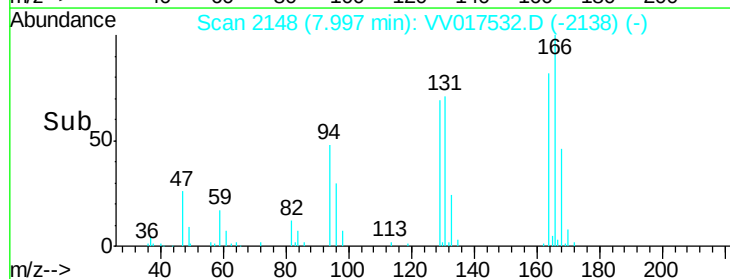
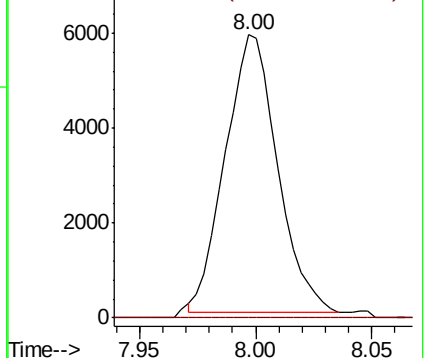


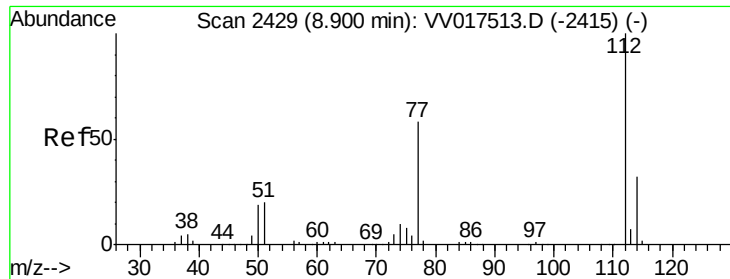
#49
Dibromochloromethane
Concen: 3.475 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017532.D
Acq: 17 Jul 2020 18:37

Tgt Ion:129 Resp: 9099
Ion Ratio Lower Upper
129 100
127 0.0 54.6 101.4#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

Chlorobenzene

Concen: 0.680 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S

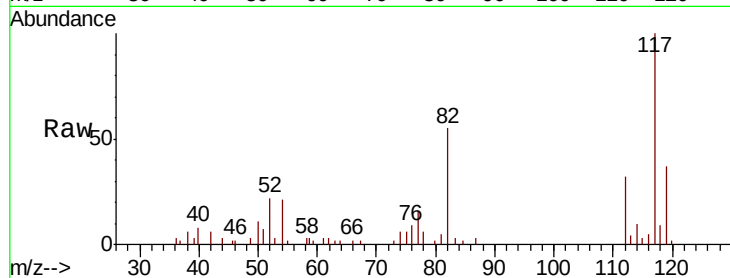
Tot Ion:112 Resp: 4076

Ion Ratio Lower Upper

112 100

114 30.6 22.7 42.1

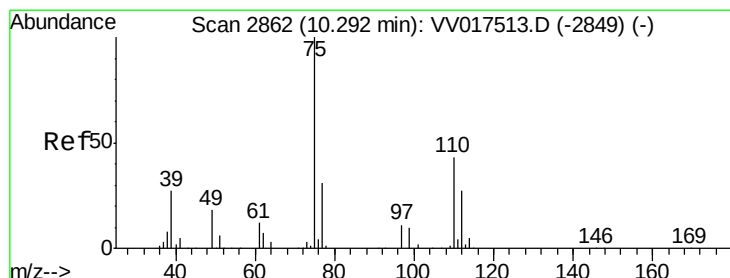
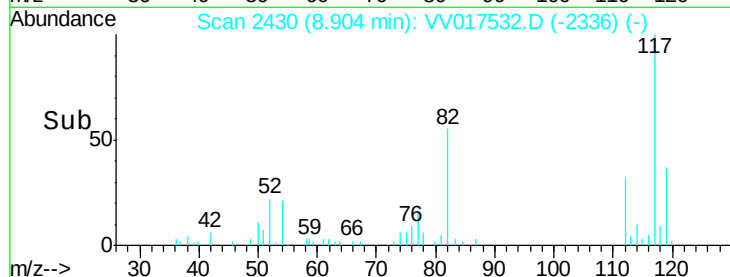
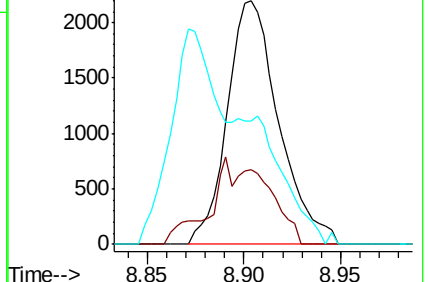
77 50.7 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 6.647 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017532.D

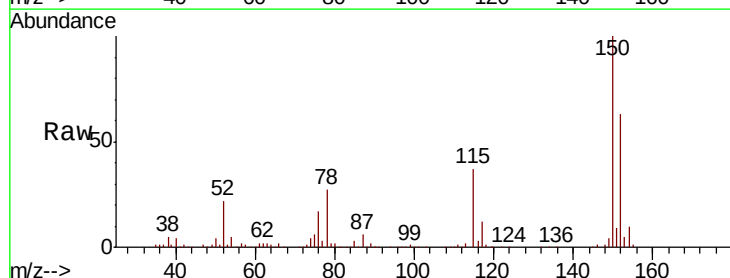
Acq: 17 Jul 2020 18:37

Tgt Ion: 75 Resp: 17819

Ion Ratio Lower Upper

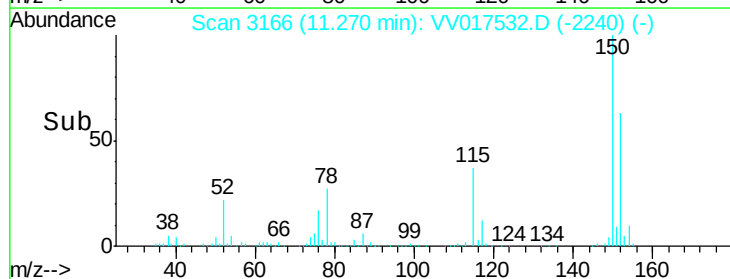
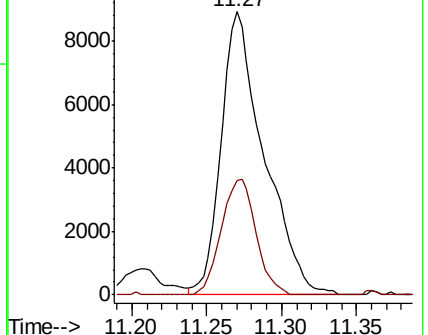
75 100

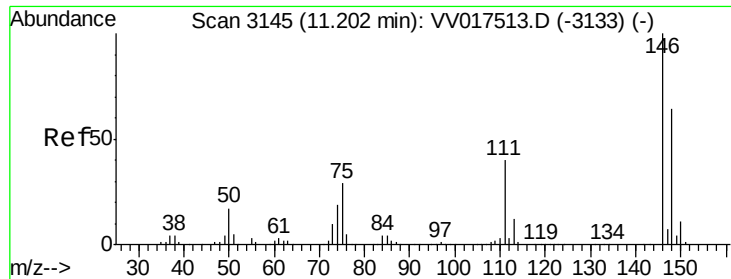
77 33.0 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 1.112 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S

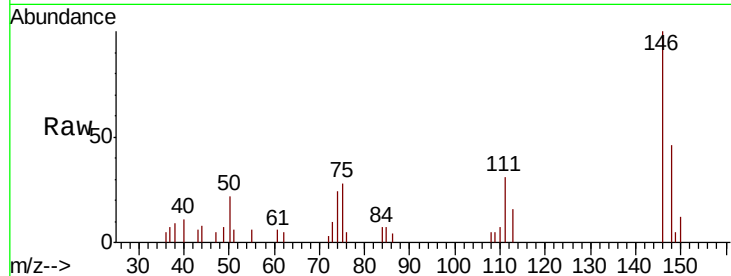
Tot Ion:146 Resp: 4665

Ion Ratio Lower Upper

146 100

111 31.2 27.2 50.6

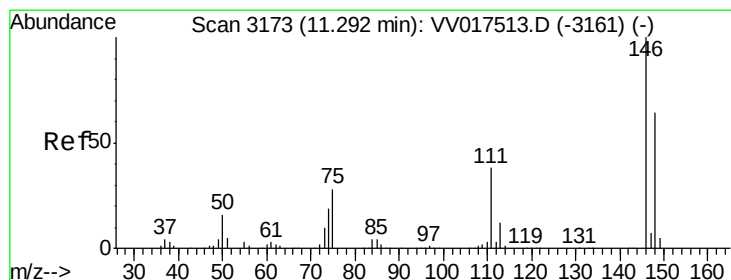
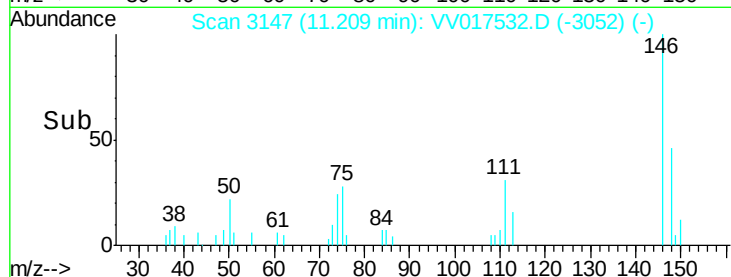
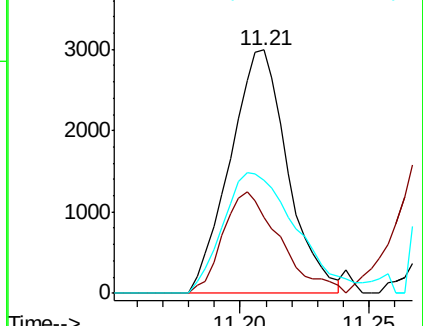
148 46.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 3.800 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

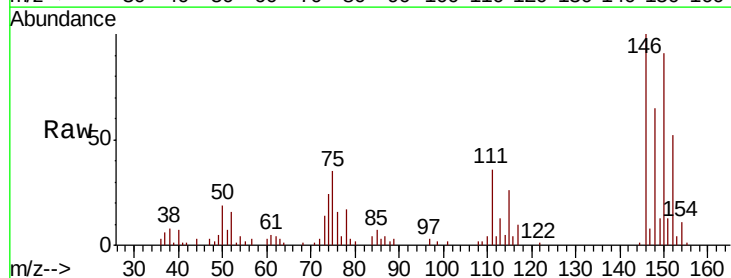
Tgt Ion:146 Resp: 16179

Ion Ratio Lower Upper

146 100

111 35.8 27.2 50.4

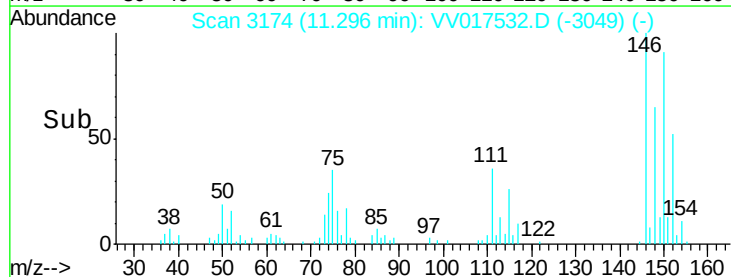
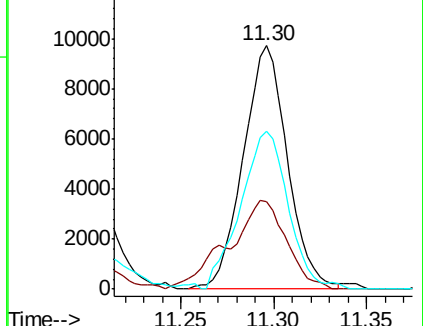
148 65.0 45.4 84.4

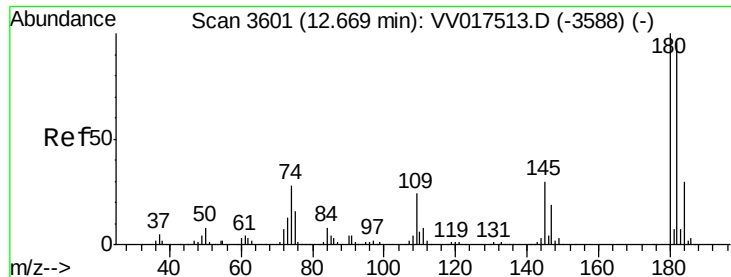


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

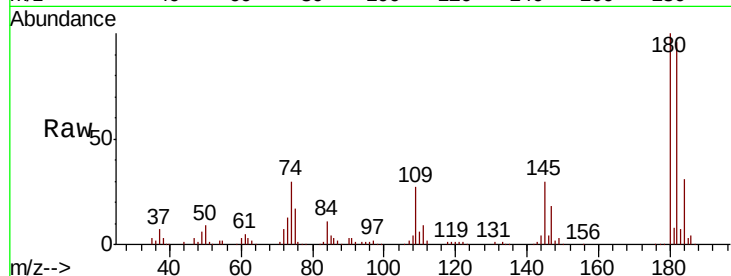




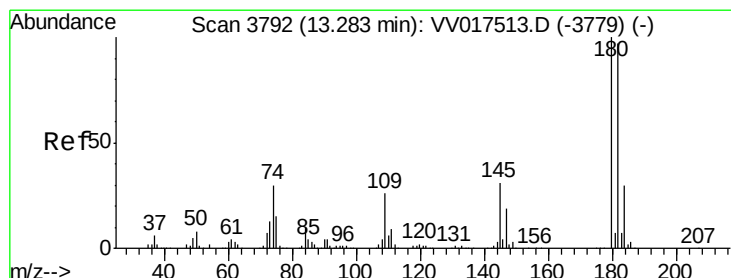
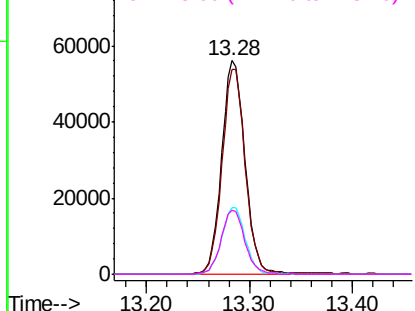
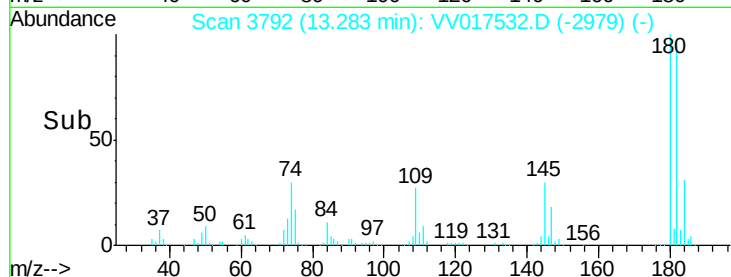
#67
 1,3,5-Trichlorobenzene
 Concen: 28.181 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.61 min
 Lab File: VV017532.D
 Acq: 17 Jul 2020 18:37

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7S

Tot Ion:180 Resp: 89050
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.4
 184 31.1 24.0 36.0
 145 30.2 23.8 35.8

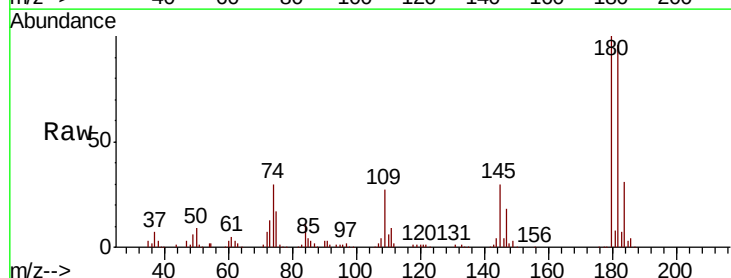


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

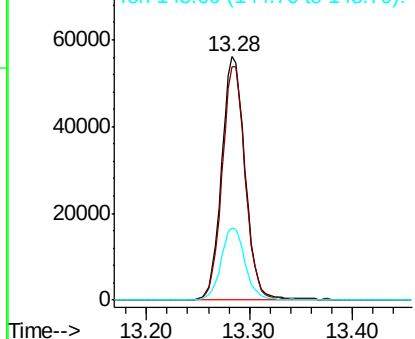
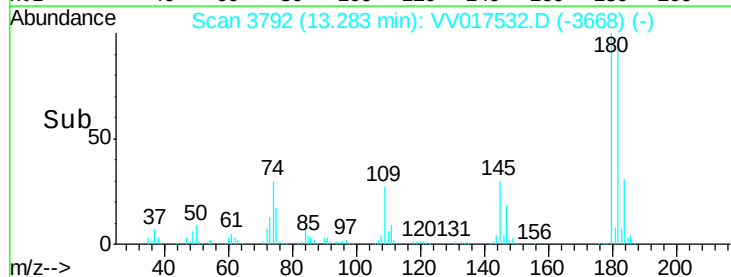


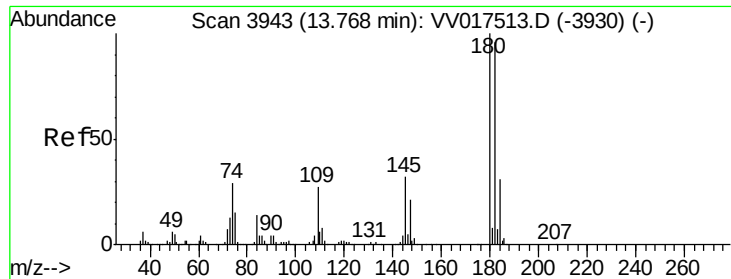
#68
 1,2,4-trichlorobenzene
 Concen: 32.137 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017532.D
 Acq: 17 Jul 2020 18:37

Tgt Ion:180 Resp: 89050
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.0 114.0
 145 30.2 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 6.657 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017532.D

Acq: 17 Jul 2020 18:37

Instrument :

MSVOA_V

ClientSampleId :

PMW-7S

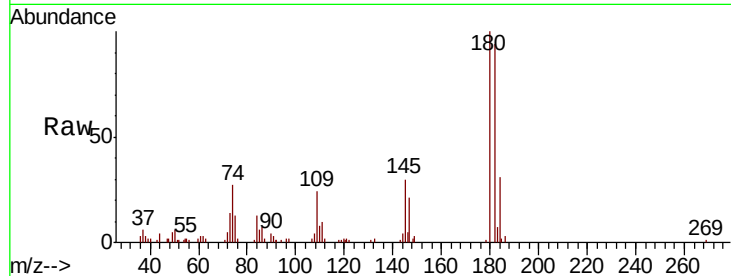
Tot Ion:180 Resp: 18764

Ion Ratio Lower Upper

180 100

182 97.1 76.3 114.5

145 32.6 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

