

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019083.D
 Acq On : 22 Oct 2020 21:21
 Operator : SY/MD
 Sample : L4483-01DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG8DL

Quant Time: Oct 23 06:34:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287372	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	283746	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	132461	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123348	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.50%
7) Chloroethane-d5	1.58	69	101134	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.12	63	183434	37.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.04%
21) 2-Butanone-d5	3.92	46	167929	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.38	84	209712	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.06	65	147681	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.08	84	412610	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
36) 1,2-Dichloropropane-d6	6.09	67	133910	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.34	98	360226	46.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.82%
43) trans-1,3-Dichloropropene-	7.64	79	65695	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.11	63	113470	92.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.82%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	167275	44.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	140016	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

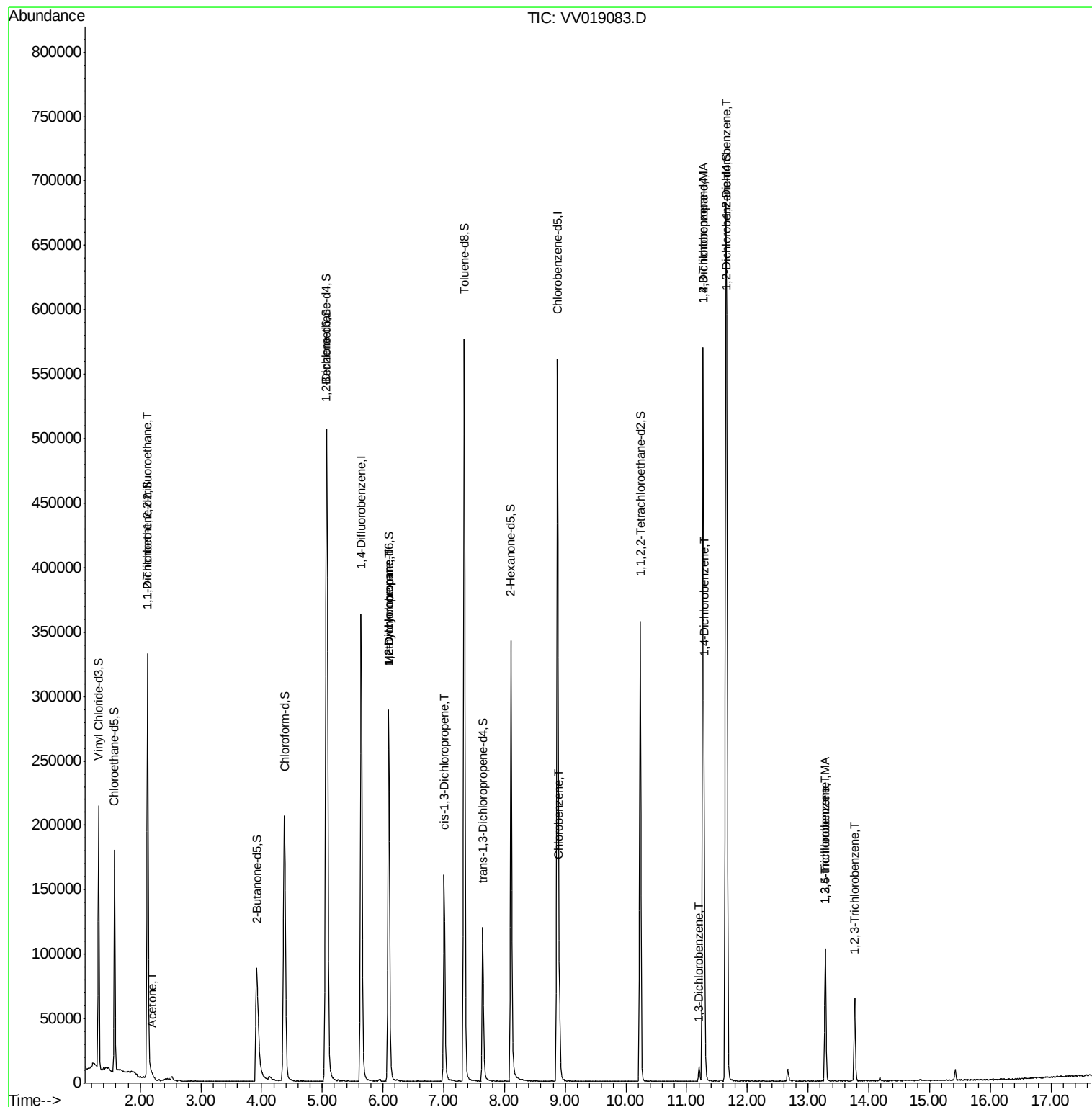
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1583	0.825	ug/L #	20
13) Acetone	2.20	43	5785	4.861	ug/L	91
35) Methylcyclohexane	6.09	83	31245	10.404	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	15399	6.439	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4304	1.218	ug/L #	73
51) Chlorobenzene	8.90	112	32655	5.710	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	19572	7.000	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4588	1.154	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	39911	9.609	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	149669	37.343	ug/L	100
67) 1,3,5-Trichlorobenzene	13.28	180	29881	11.009	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	29881	11.674	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	18626	7.182	ug/L	99

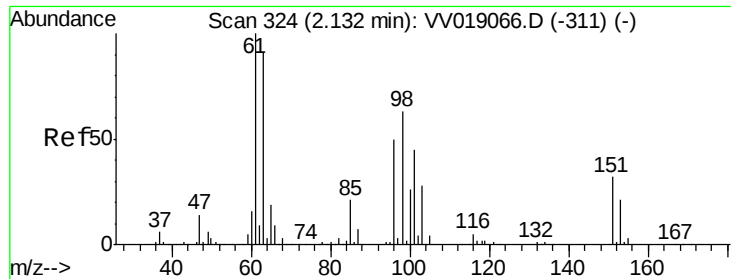
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 22 13:54:49 2020
Response via : Initial Calibration





#10

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

Concen: 0.825 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019083.D

Acq: 22 Oct 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

C0FG8DL

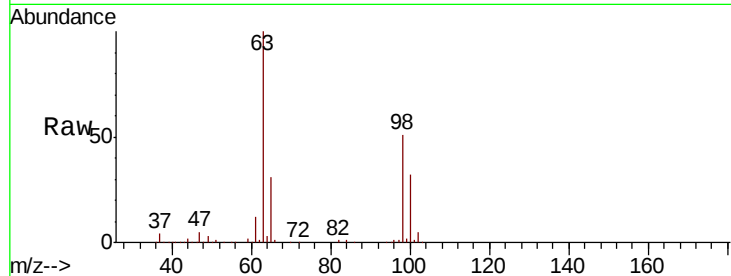
Tot Ion:101 Resp: 1583

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

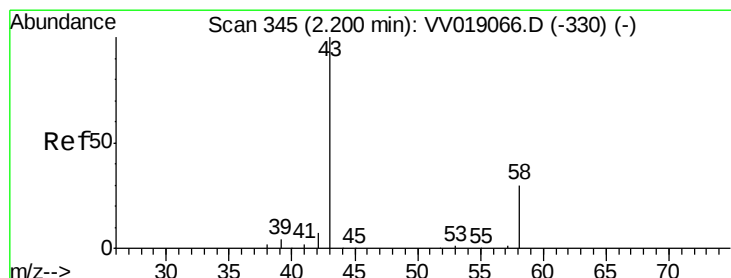
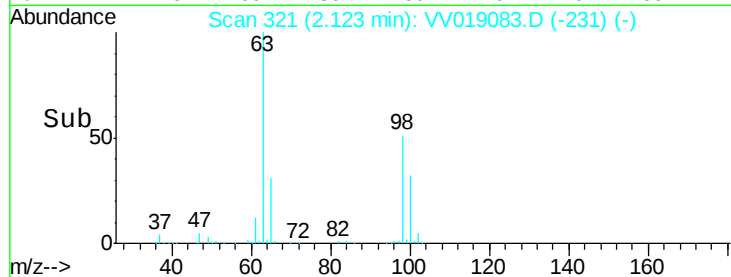
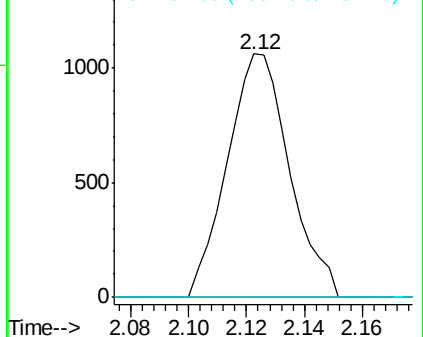
151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 4.861 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV019083.D

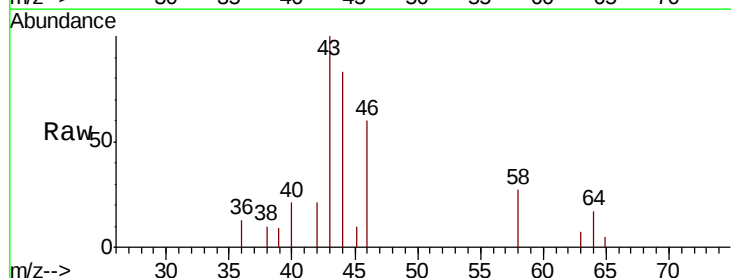
Acq: 22 Oct 2020 21:21

Tgt Ion: 43 Resp: 5785

Ion Ratio Lower Upper

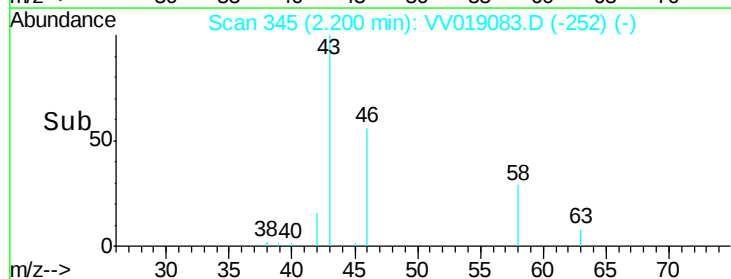
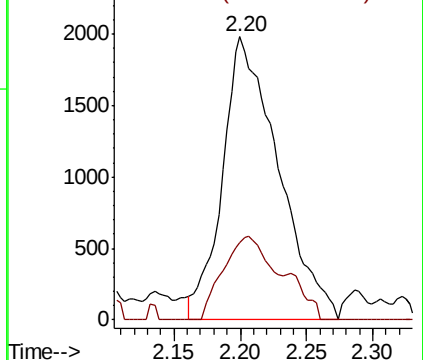
43 100

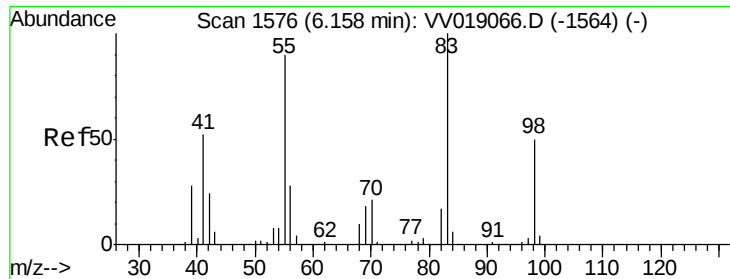
58 25.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

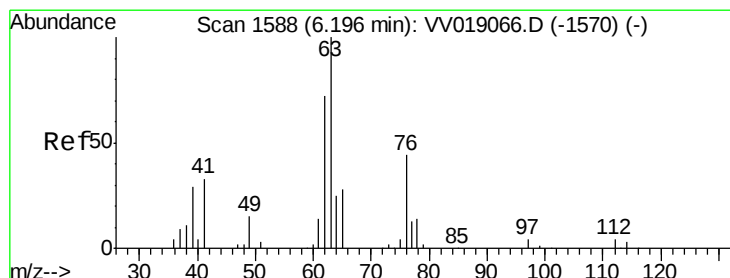
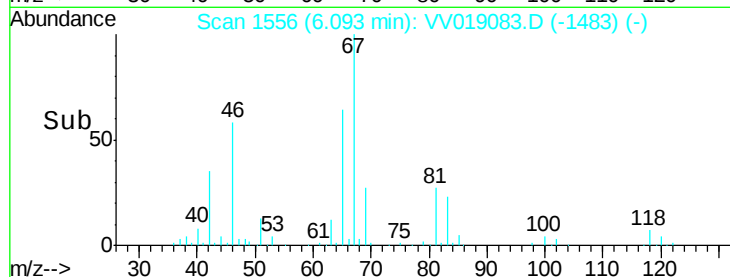
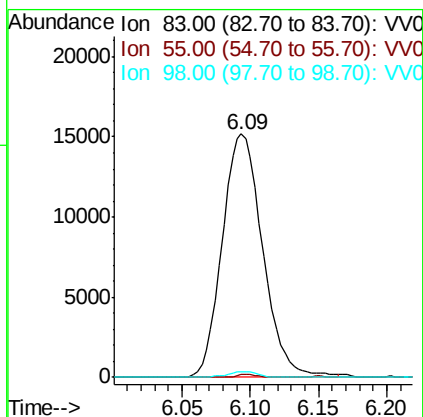
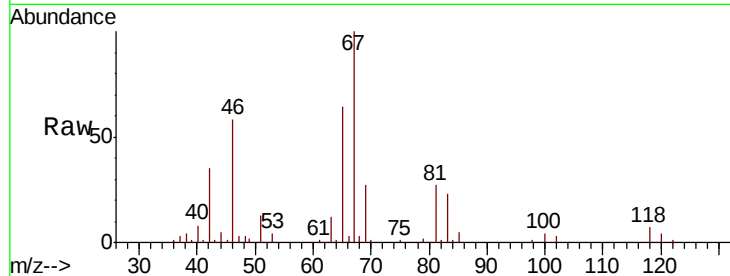




#35
Methvlcvclohexane
Concen: 10.404 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019083.D
Acq: 22 Oct 2020 21:21

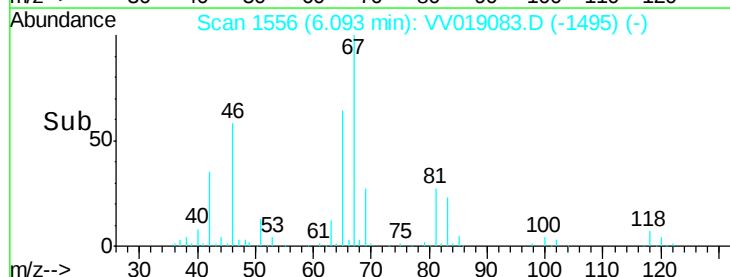
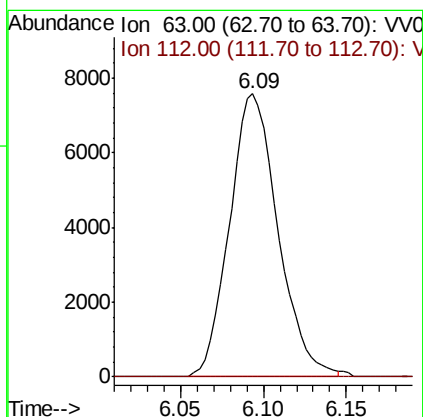
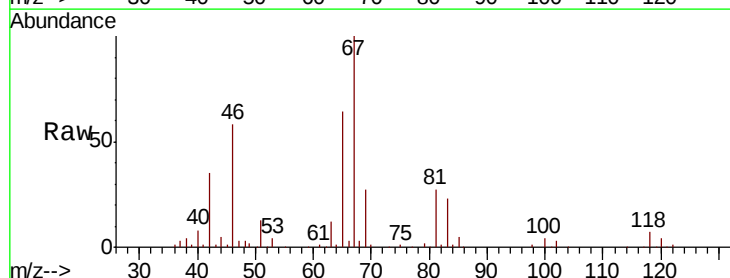
Instrument :
MSVOA_V
ClientSampleId :
C0FG8DL

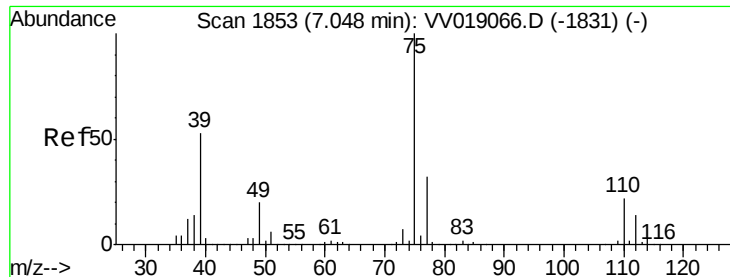
Tot Ion: 83 Resp: 31245
Ion Ratio Lower Upper
83 100
55 0.5 68.1 102.1#
98 1.7 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 6.439 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV019083.D
Acq: 22 Oct 2020 21:21

Tgt Ion: 63 Resp: 15399
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

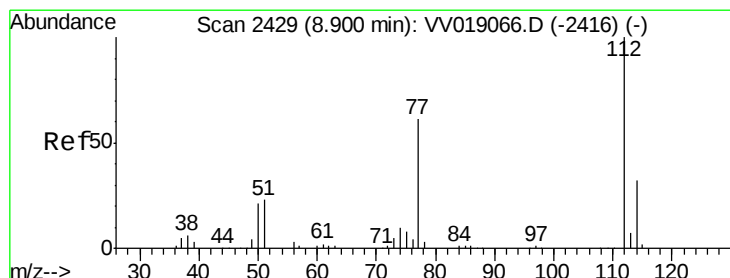
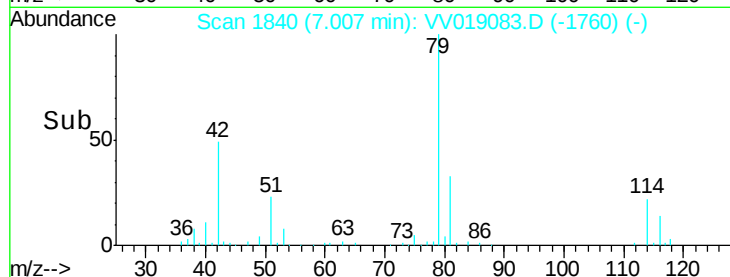
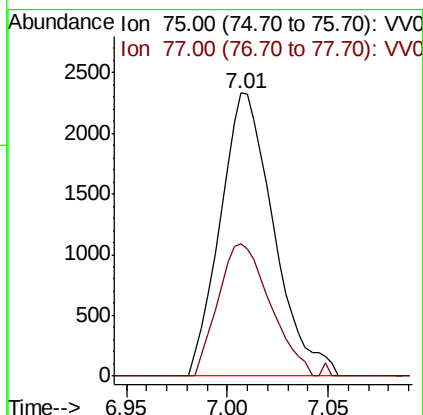
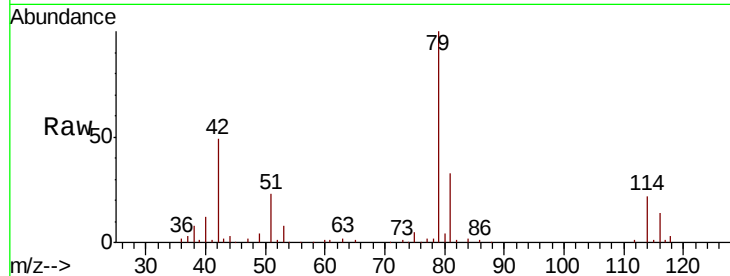




#39
 cis-1,3-Dichloropropene
 Concen: 1.218 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

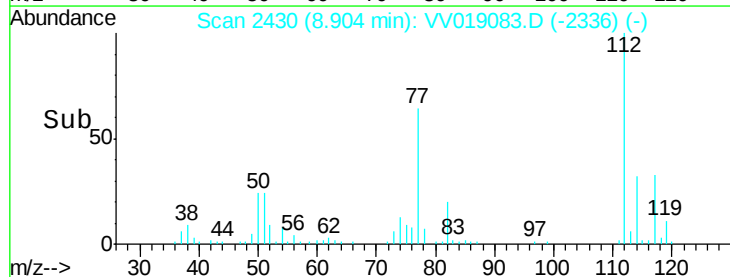
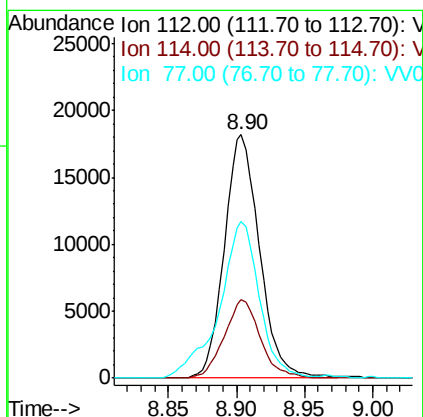
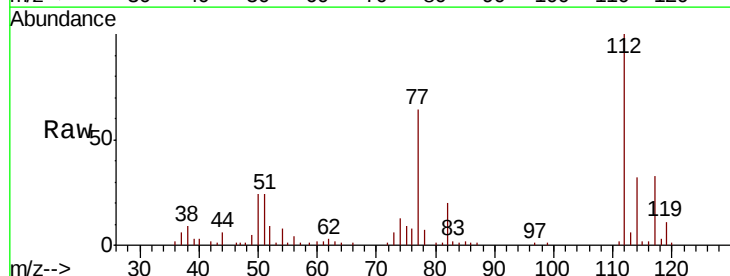
Instrument :
 MSVOA_V
 ClientSampled :
 C0FG8DL

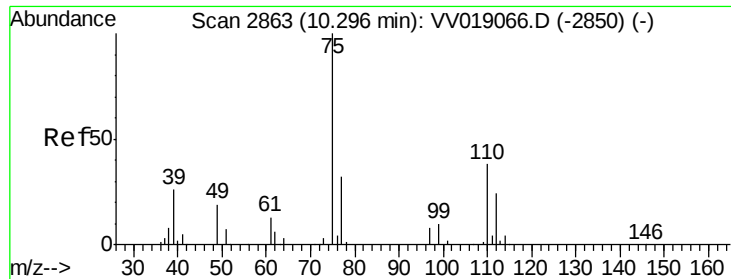
Tot Ion: 75 Resp: 4304
 Ion Ratio Lower Upper
 75 100
 77 46.7 22.1 41.1#



#51
 Chlorobenzene
 Concen: 5.710 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

Tgt Ion: 112 Resp: 32655
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.2 41.2
 77 64.2 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 7.000 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV019083.D

Acq: 22 Oct 2020 21:21

Instrument :

MSVOA_V

ClientSampled :

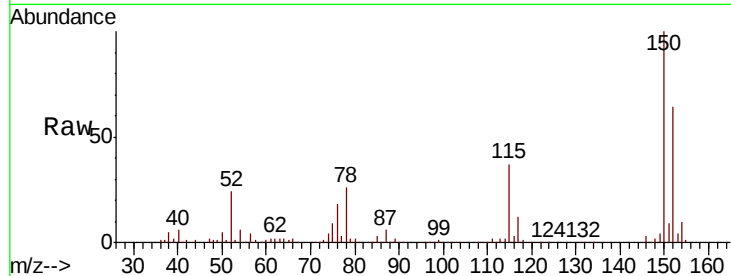
C0FG8DL

Tot Ion: 75 Resp: 19572

Ion Ratio Lower Upper

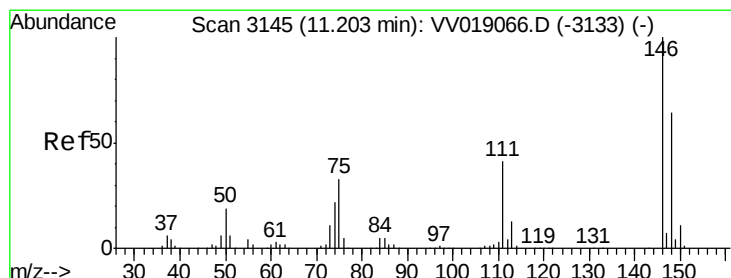
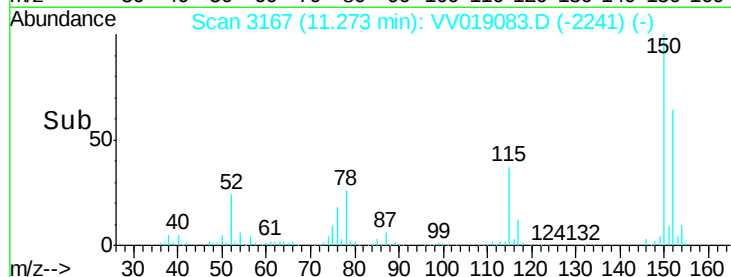
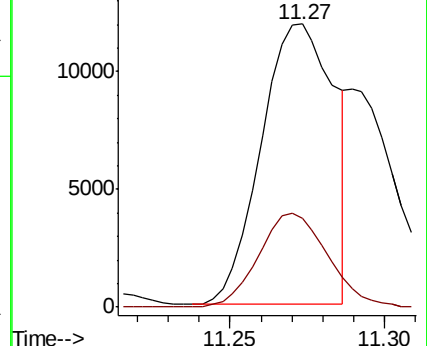
75 100

77 31.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2850) (-)



#62

1,3-Dichlorobenzene

Concen: 1.154 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019083.D

Acq: 22 Oct 2020 21:21

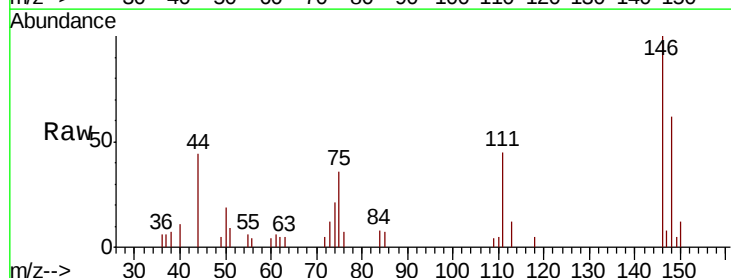
Tgt Ion: 146 Resp: 4588

Ion Ratio Lower Upper

146 100

111 45.5 28.8 53.4

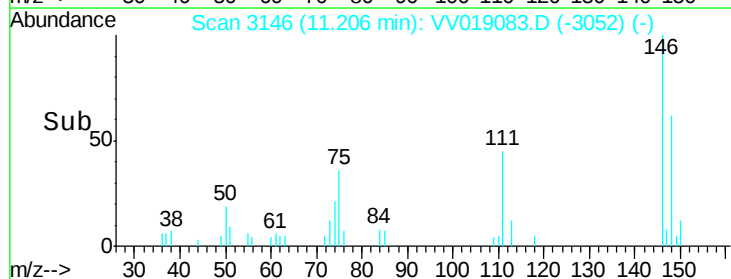
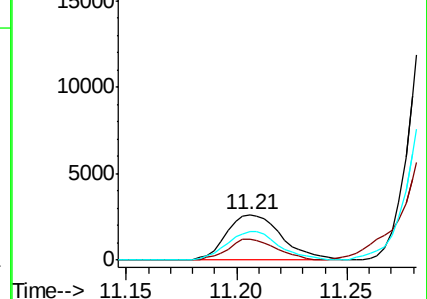
148 61.9 44.5 82.7

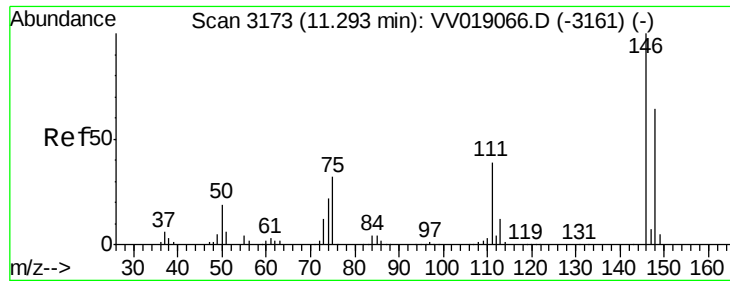


Abundance Ion 146.00 (145.70 to 146.70): VV019066.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV019066.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV019066.D (-3133) (-)

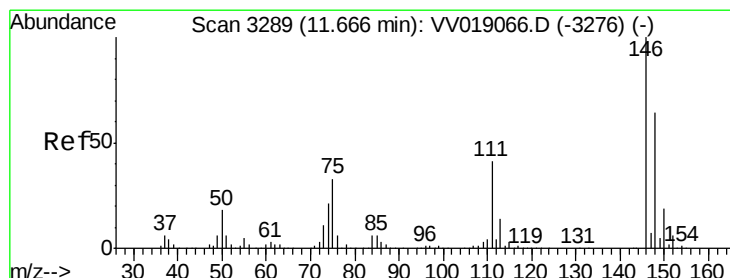
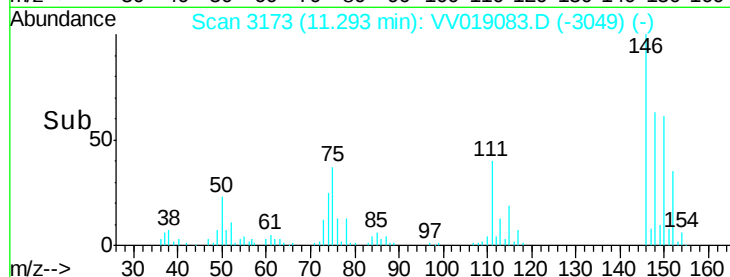
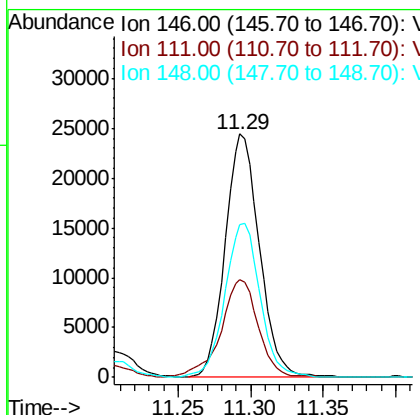
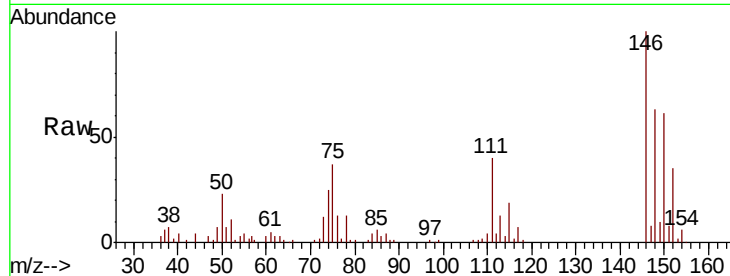




#63
 1,4-Dichlorobenzene
 Concen: 9.609 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

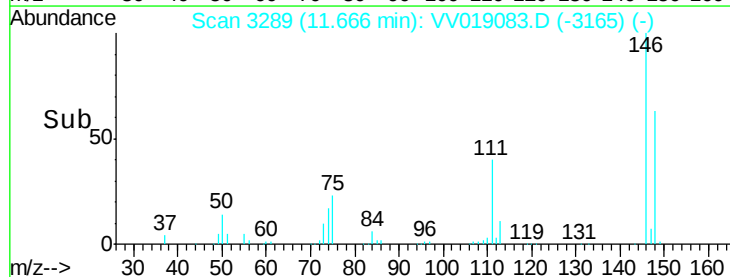
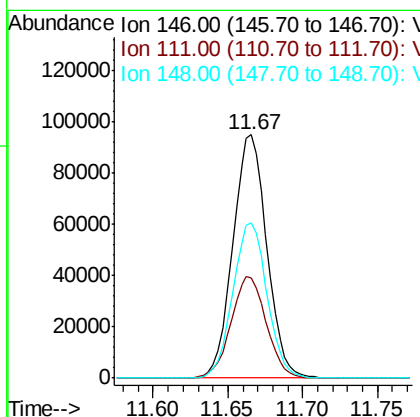
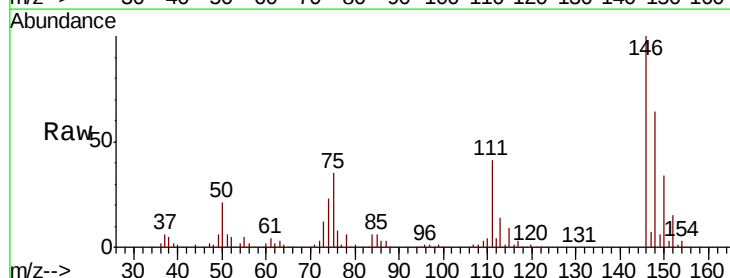
Instrument :
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 C0FG8DL

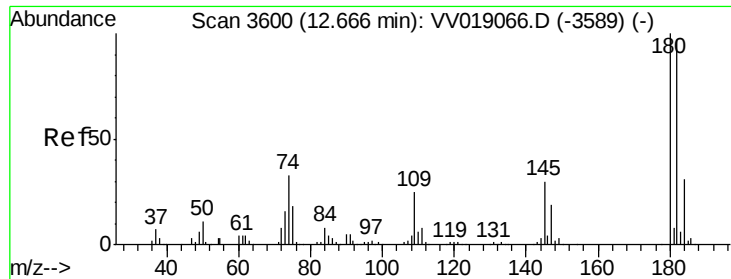
Tot Ion:146 Resp: 39911
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.8 51.6
 148 62.9 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 37.343 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

Tgt Ion:146 Resp: 149669
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.3 49.9
 148 63.9 51.1 76.7

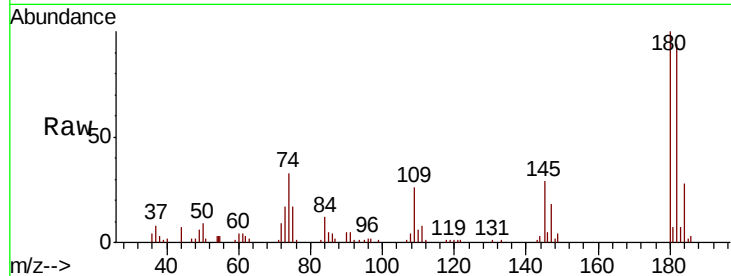




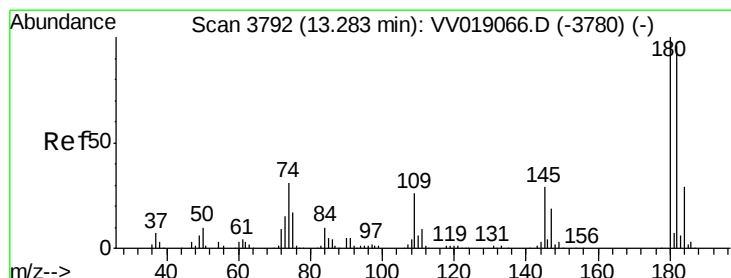
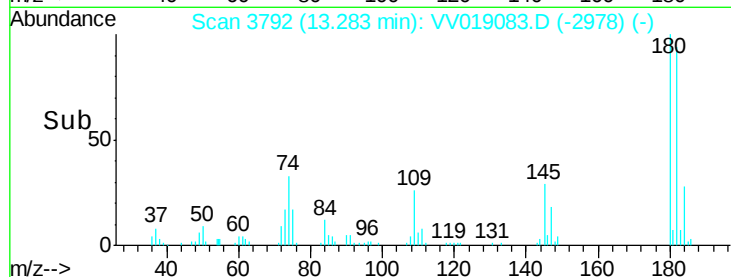
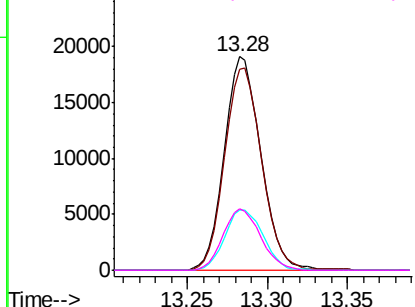
#67
 1,3,5-Trichlorobenzene
 Concen: 11.009 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG8DL

Tot Ion:180 Resp: 29881
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.0
 184 29.5 24.7 37.1
 145 29.3 23.5 35.3

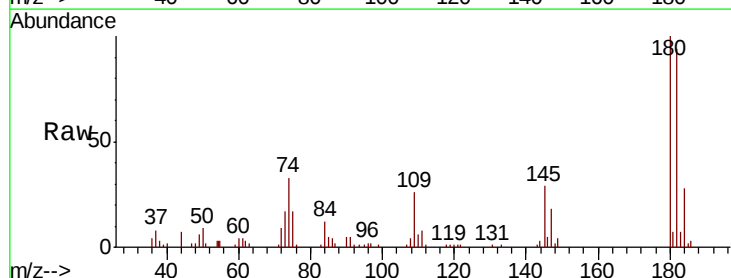


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

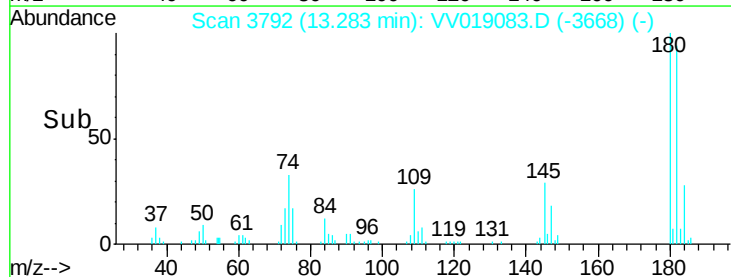
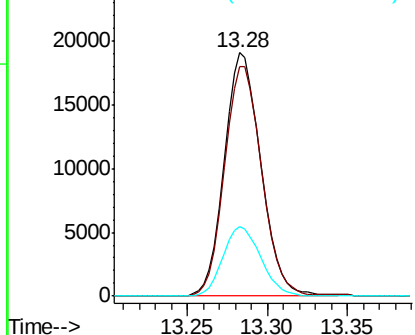


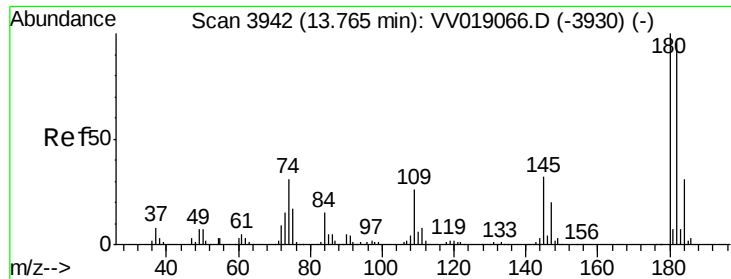
#68
 1,2,4-trichlorobenzene
 Concen: 11.674 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019083.D
 Acq: 22 Oct 2020 21:21

Tgt Ion:180 Resp: 29881
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 29.3 23.7 35.5



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: 7.182 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019083.D

Acq: 22 Oct 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

C0FG8DL

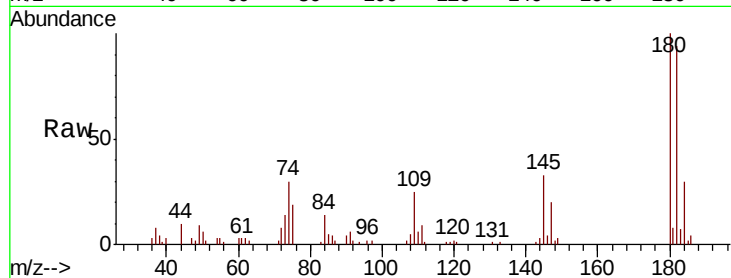
Tot Ion:180 Resp: 18626

Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

145 32.4 25.6 38.4



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

