

Data File : VV013604.D
Acq On : 13 Nov 2019 14:40
Operator : SY/MD
Sample : VV1113WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK53

Quant Time: Nov 14 06:12:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 06:01:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.69	114	396278	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.91	117	356100	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	138770	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.36	65	128646	5.06	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.62	69	103685	5.11	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.17	63	166731	3.83	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.05	46	261053	57.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.54%
24) Chloroform-d	4.44	84	213165	4.88	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.11	65	103925	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.12	84	434752	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.16	67	157357	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.40	98	389342	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.70	79	52693	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.16	63	229621	52.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	109887	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	145626	5.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.80%

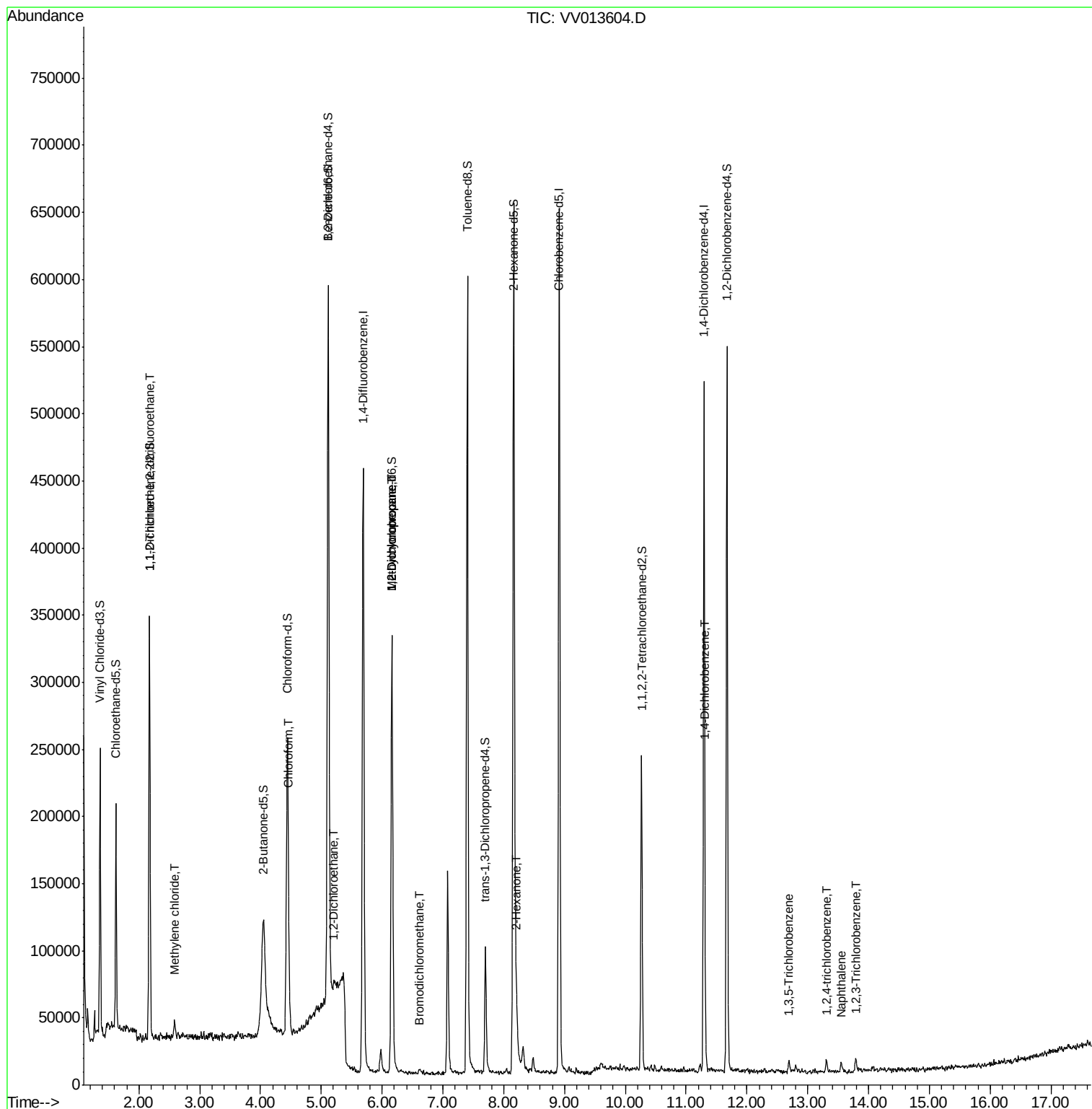
Target Compounds

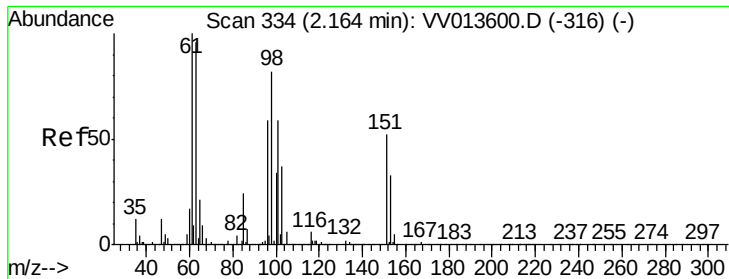
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.17	101	2307	0.093	ug/L #	18
16) Methylene chloride	2.59	84	5074	0.203	ug/L	94
25) Chloroform	4.47	83	19232	0.348	ug/L	99
27) 1,2-Dichloroethane	5.19	62	1706	0.056	ug/L #	63
35) Methylcyclohexane	6.16	83	38939	0.918	ug/L #	16
37) 1,2-Dichloropropane	6.16	63	17291	0.644	ug/L #	100
38) Bromodichloromethane	6.61	83	2136	0.058	ug/L #	86
48) 2-Hexanone	8.22	43	16438	1.555	ug/L #	79
63) 1,4-Dichlorobenzene	11.32	146	2939	0.064	ug/L #	90
67) 1,3,5-Trichlorobenzene	12.69	180	2814	0.077	ug/L	89
68) 1,2,4-trichlorobenzene	13.31	180	2691	0.096	ug/L #	86
69) Naphthalene	13.55	128	5054	0.143	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	2380	0.091	ug/L #	92

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

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#10

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

Concen: 0.093 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.01 min

Lab File: VV013604.D

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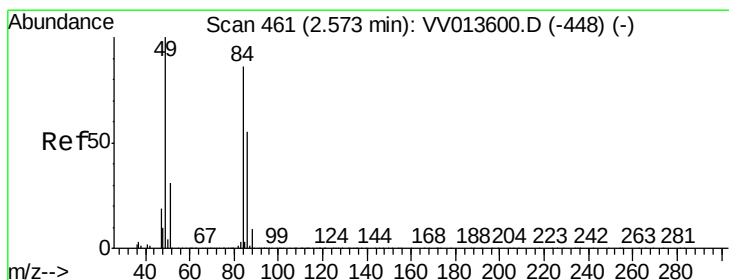
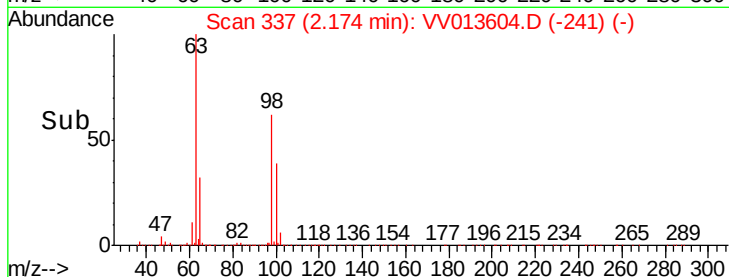
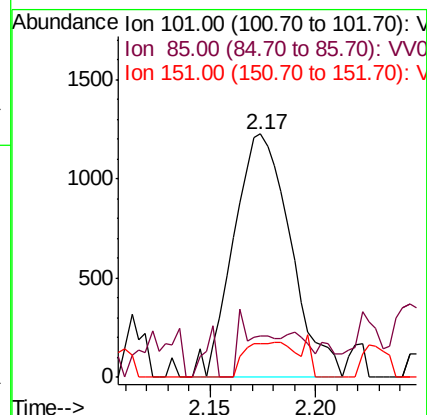
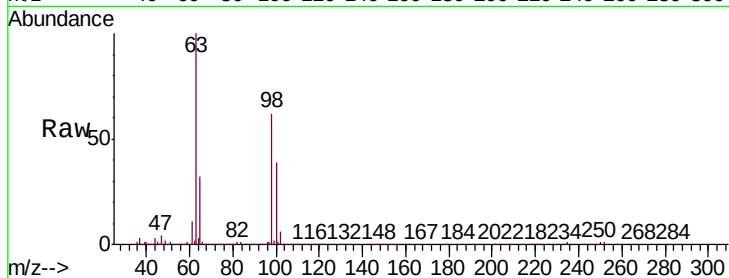
Instrument :

MSVOA_V

ClientSampleId :

VBLK53

Tgt Ion:	101	Resp:	2307
Ion	Ratio	Lower	Upper
101	100		
85	6.1	33.1	49.7#
151	0.0	69.5	104.3#



#16

Methylene chloride

Concen: 0.203 ug/L

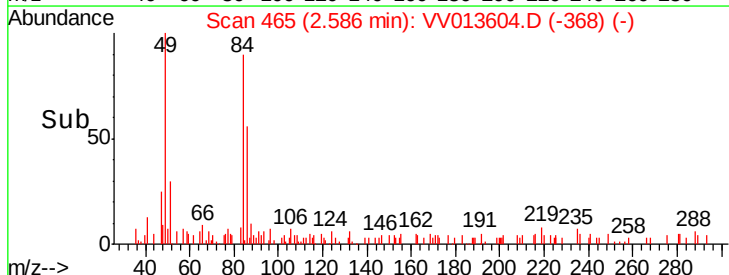
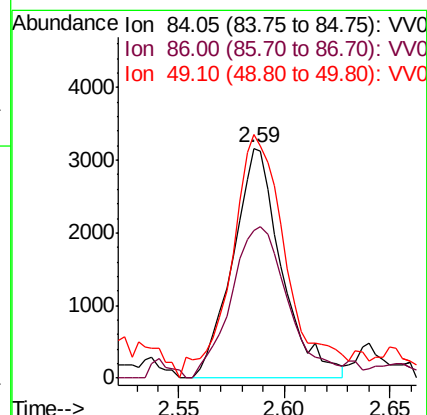
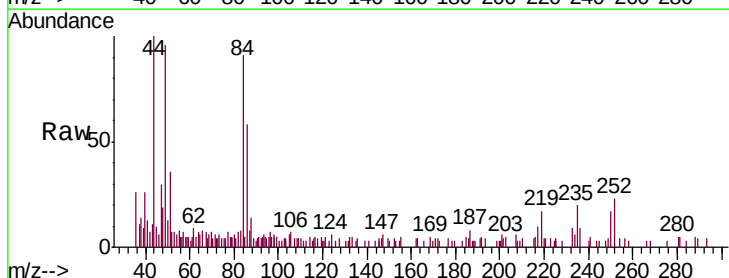
RT: 2.59 min Scan# 465

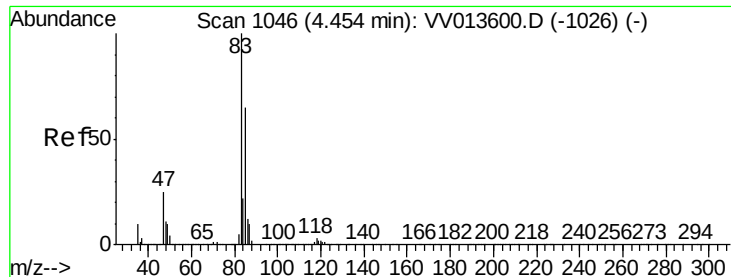
Delta R.T. 0.01 min

Lab File: VV013604.D

Acq: 13 Nov 2019 14:40

Tgt Ion:	84	Resp:	5074
Ion	Ratio	Lower	Upper
84	100		
86	64.2	45.1	83.9
49	105.9	81.4	151.2





#25

Chloroform

Concen: 0.348 ug/L

RT: 4.47 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VV013604.D

Acq: 13 Nov 2019 14:40

Instrument :

MSVOA_V

ClientSampleId :

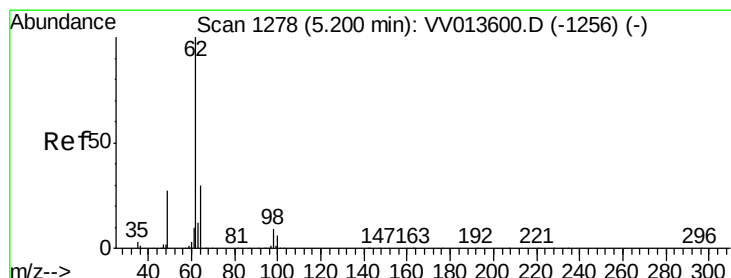
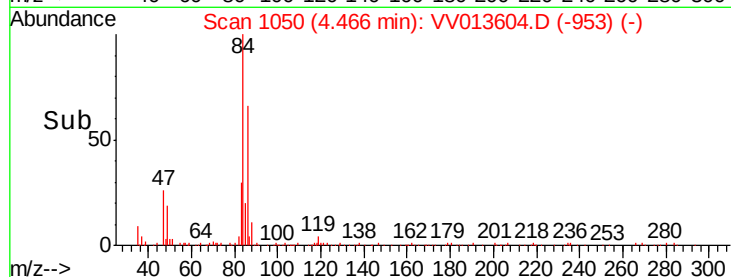
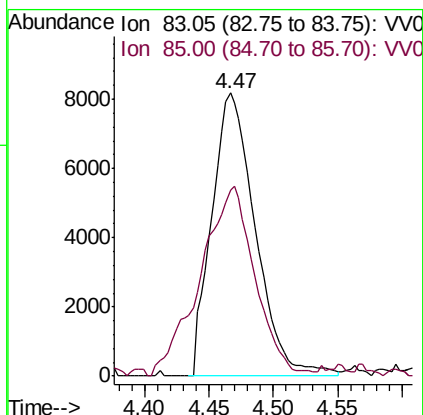
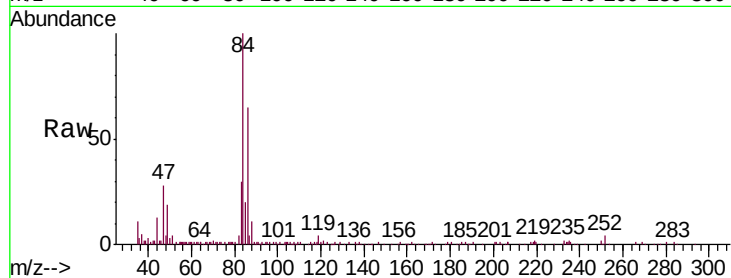
VBLK53

Tgt Ion: 83 Resp: 19232

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 0.056 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VV013604.D

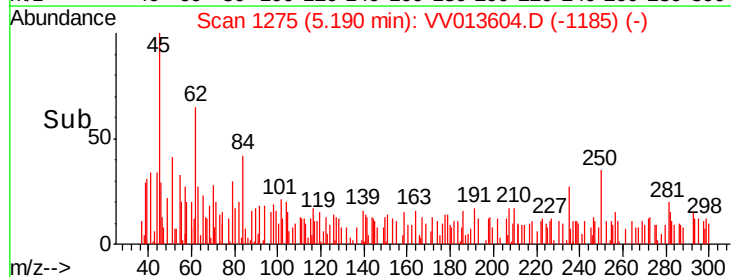
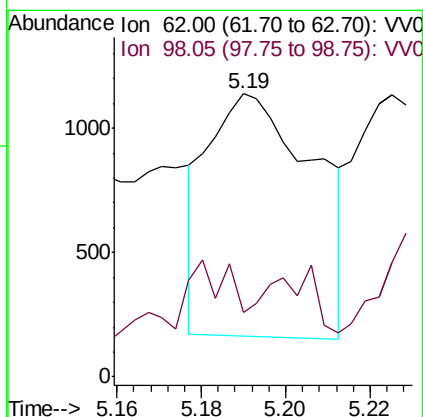
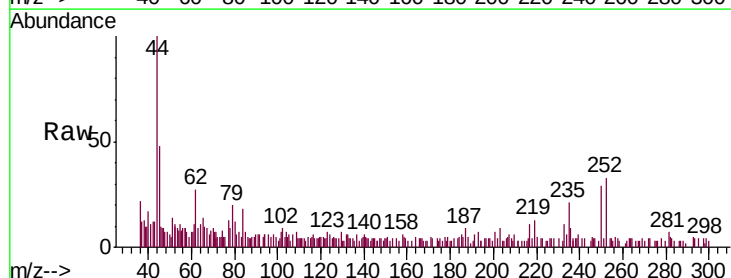
Acq: 13 Nov 2019 14:40

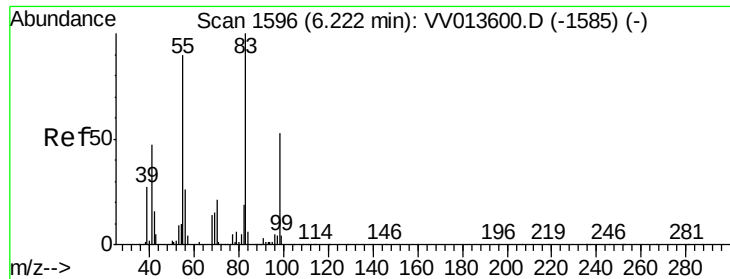
Tgt Ion: 62 Resp: 1706

Ion Ratio Lower Upper

62 100

98 22.8 7.4 11.2#

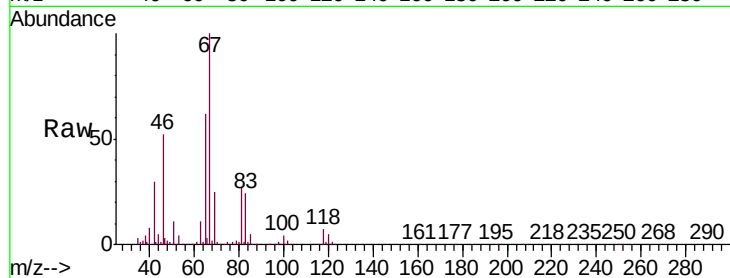




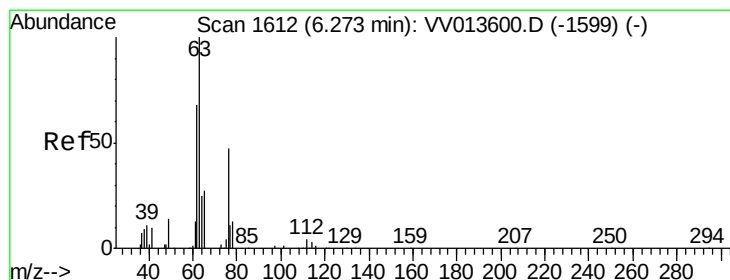
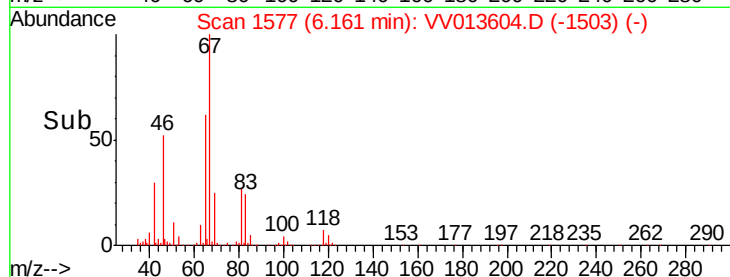
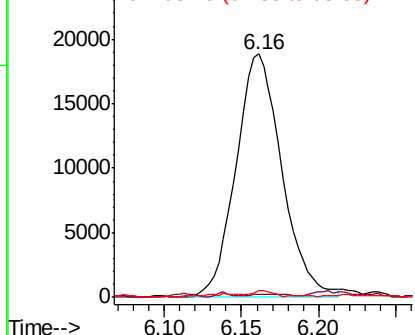
#35
Methylcyclohexane
Concen: 0.918 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.06 min
Lab File: VV013604.D
Acq: 13 Nov 2019 14:40

Instrument :
MSVOA_V
ClientSampleId :
VBLK53

Tgt Ion: 83 Resp: 38939
Ion Ratio Lower Upper
83 100
55 0.2 67.0 100.4#
98 1.3 38.5 57.7#

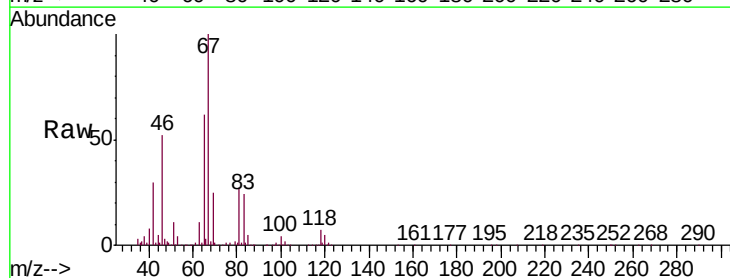


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

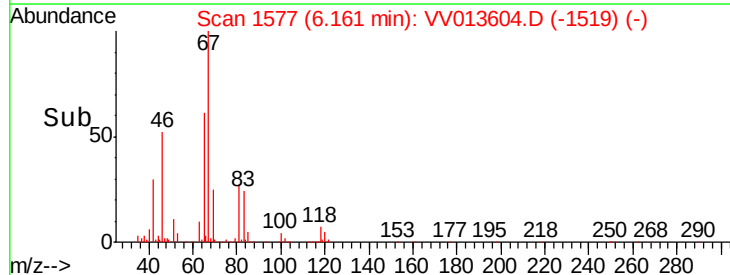
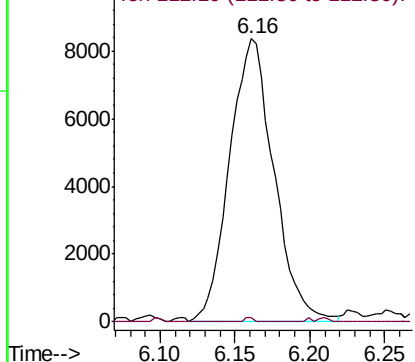


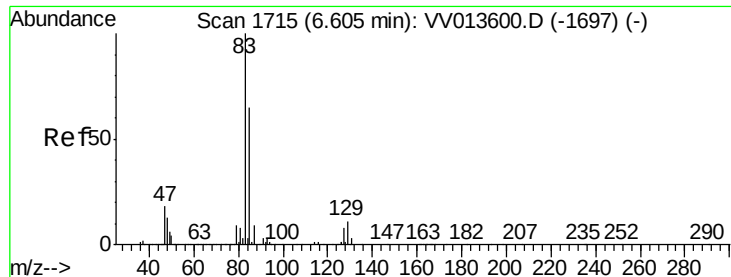
#37
1,2-Dichloropropane
Concen: 0.644 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.11 min
Lab File: VV013604.D
Acq: 13 Nov 2019 14:40

Tgt Ion: 63 Resp: 17291
Ion Ratio Lower Upper
63 100
112 0.3 0.2 0.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.058 ug/L

RT: 6.61 min Scan# 1717

Delta R.T. 0.01 min

Lab File: VV013604.D

Acq: 13 Nov 2019 14:40

Instrument :

MSVOA_V

ClientSampleId :

VBLK53

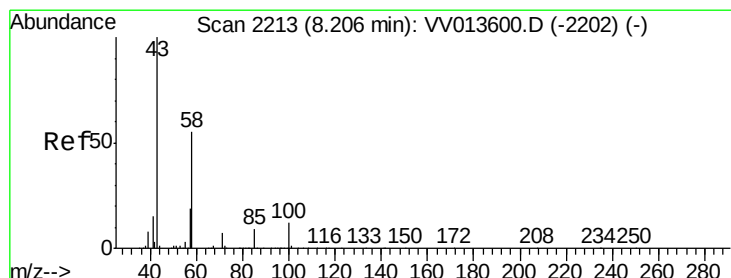
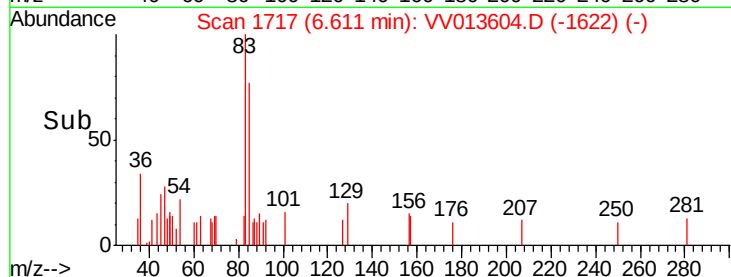
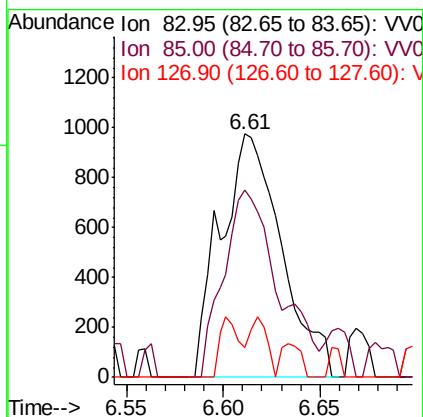
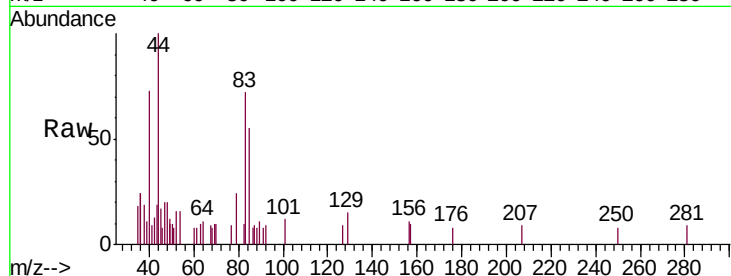
Tgt Ion: 83 Resp: 2136

Ion Ratio Lower Upper

83 100

85 76.7 45.5 84.5

127 12.3 6.8 10.2#



#48

2-Hexanone

Concen: 1.555 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VV013604.D

Acq: 13 Nov 2019 14:40

Tgt Ion: 43 Resp: 16438

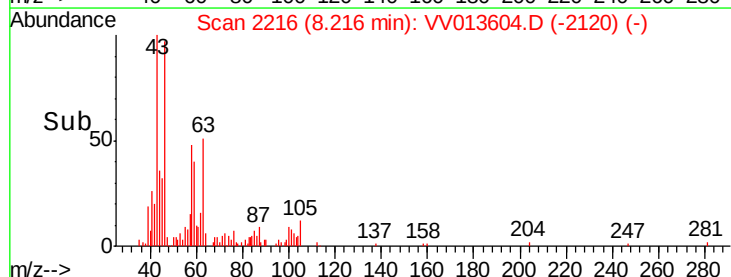
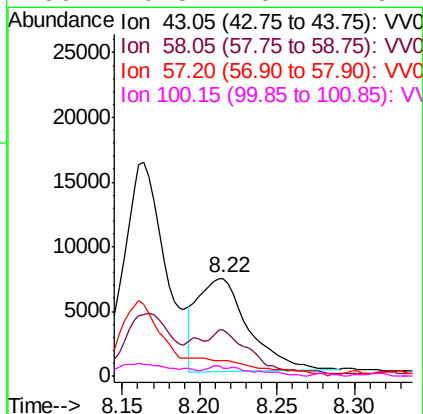
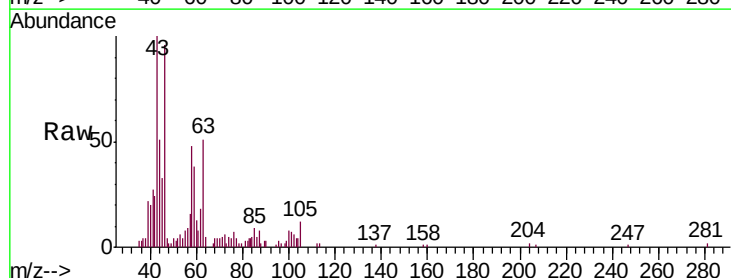
Ion Ratio Lower Upper

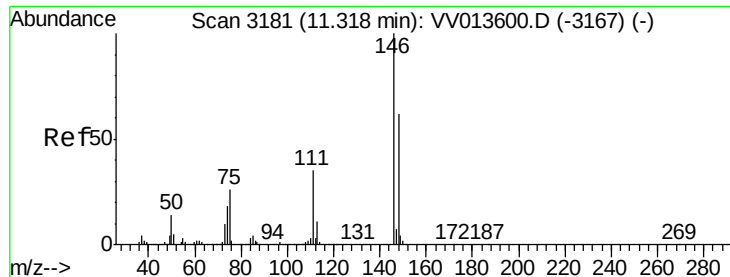
43 100

58 44.0 45.1 67.7#

57 0.0 14.6 21.8#

100 9.8 10.2 15.2#

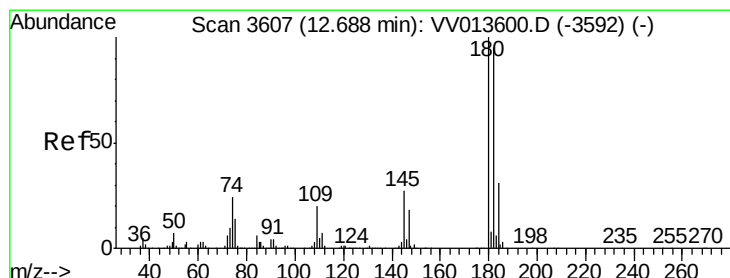
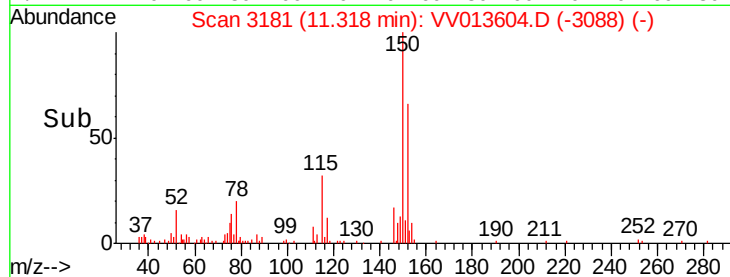
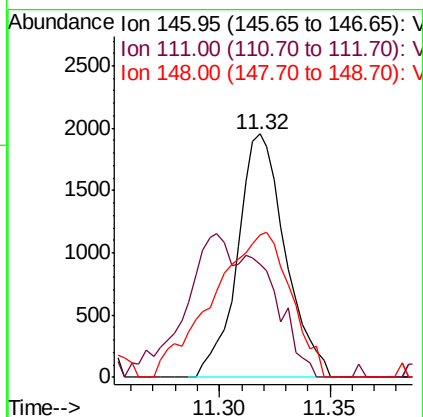
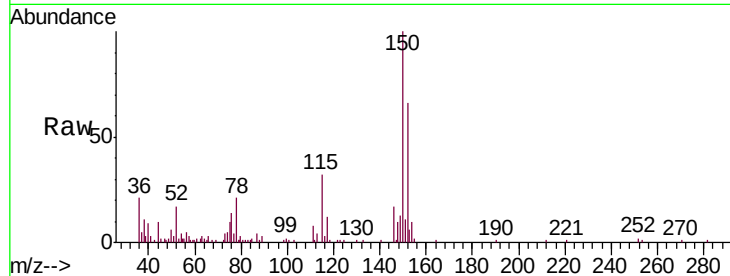




#63
 1,4-Dichlorobenzene
 Concen: 0.064 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV013604.D
 Acq: 13 Nov 2019 14:40

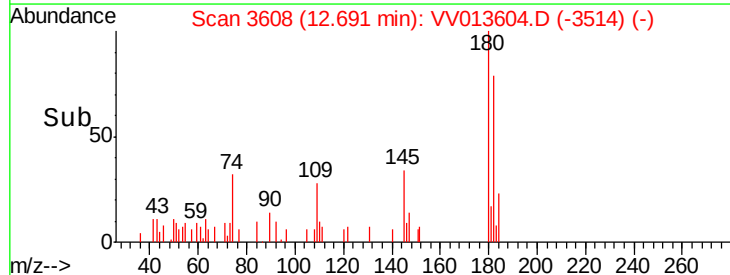
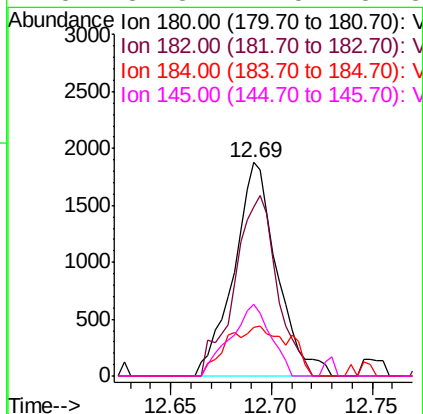
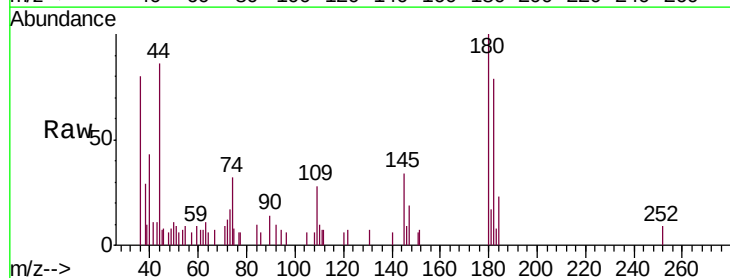
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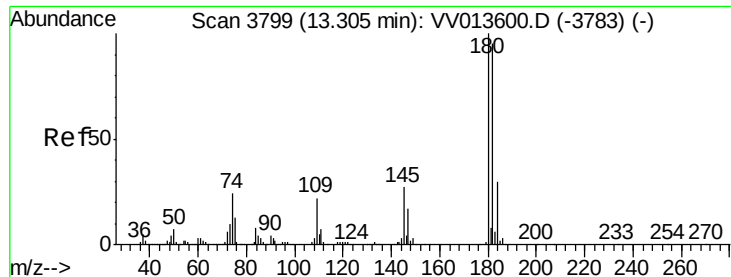
Tgt Ion:146 Resp: 2939
 Ion Ratio Lower Upper
 146 100
 111 46.7 24.7 45.9#
 148 58.5 43.8 81.3



#67
 1,3,5-Trichlorobenzene
 Concen: 0.077 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013604.D
 Acq: 13 Nov 2019 14:40

Tgt Ion:180 Resp: 2814
 Ion Ratio Lower Upper
 180 100
 182 83.0 76.7 115.1
 184 33.4 24.8 37.2
 145 31.3 21.5 32.3

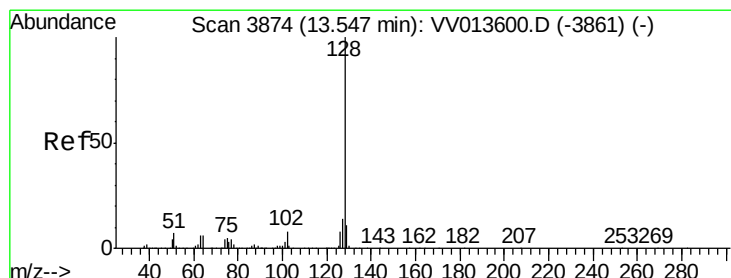
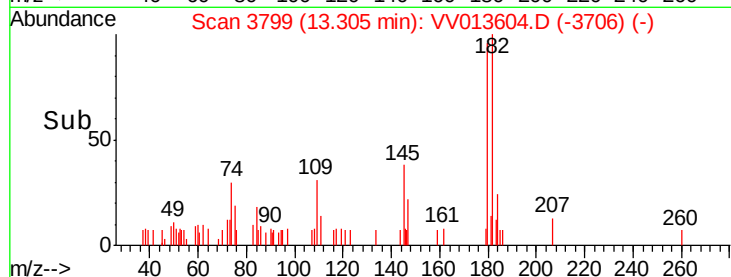
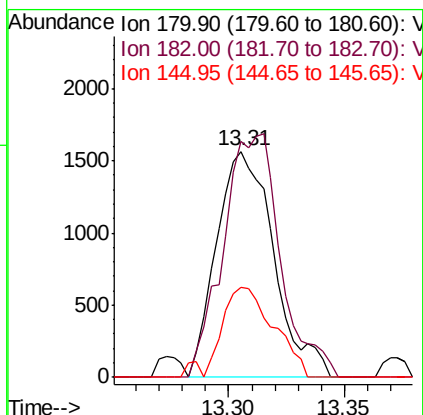
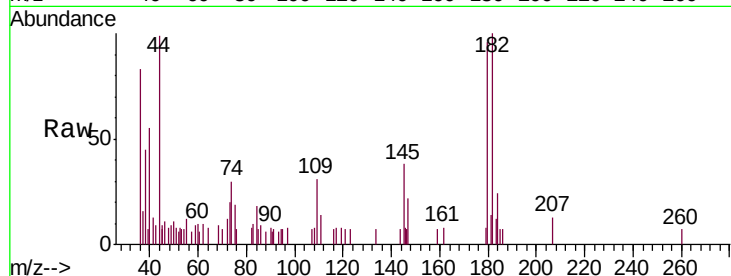




#68
 1,2,4-trichlorobenzene
 Concen: 0.096 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013604.D
 Acq: 13 Nov 2019 14:40

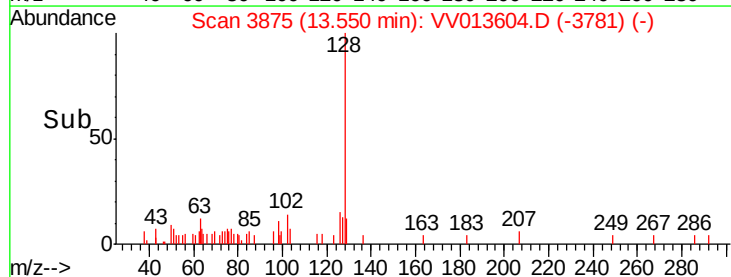
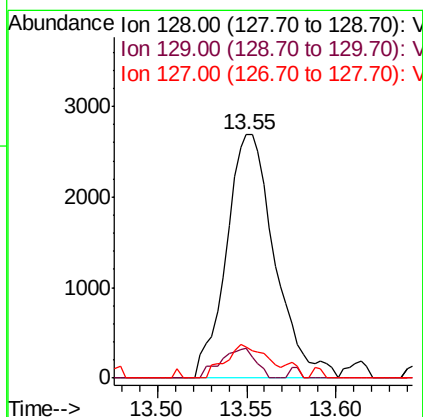
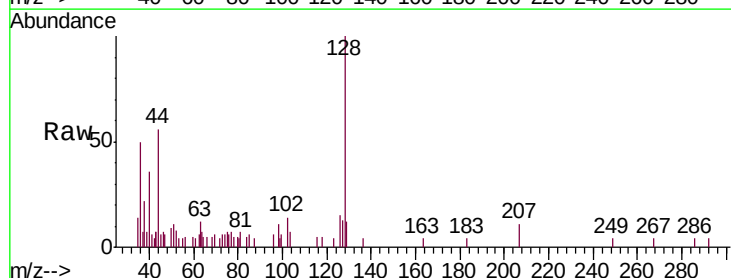
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 MSVOA_V
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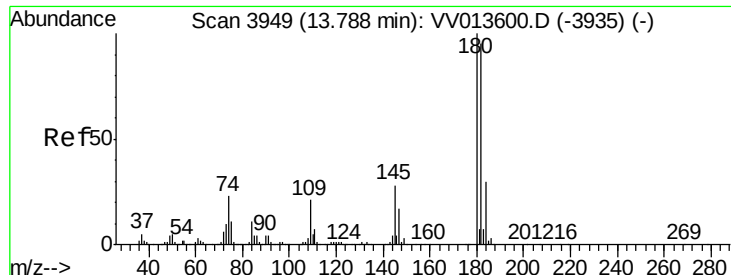
Tgt Ion:180 Resp: 2691
 Ion Ratio Lower Upper
 180 100
 182 107.5 75.7 113.5
 145 36.6 21.9 32.9#



#69
 Naphthalene
 Concen: 0.143 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013604.D
 Acq: 13 Nov 2019 14:40

Tgt Ion:128 Resp: 5054
 Ion Ratio Lower Upper
 128 100
 129 8.8 8.2 12.4
 127 11.5 11.2 16.8





#70

1,2,3-Trichlorobenzene

Concen: 0.091 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013604.D

Acq: 13 Nov 2019 14:40

Instrument :

MSVOA_V

ClientSampleId :

VBLK53

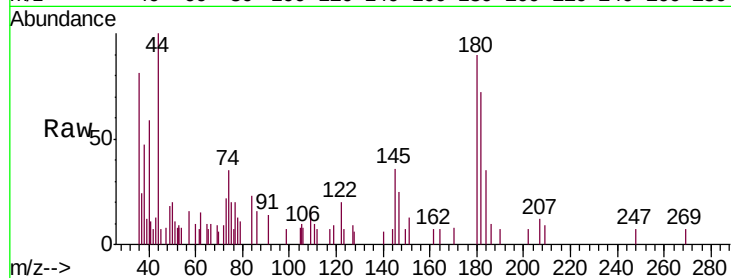
Tgt Ion:180 Resp: 2380

Ion Ratio Lower Upper

180 100

182 99.5 75.4 113.2

145 36.5 22.6 33.8#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

