

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009447.D
 Acq On : 26 Mar 2019 00:24
 Operator : SY/VA
 Sample : K2044-15
 Misc : 4.98G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 09:06:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 09:00:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	394458	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335427	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	106014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82538	17.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.04%
7) Chloroethane-d5	2.89	69	94889	17.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.80%
10) 1,1-Dichloroethene-d2	4.32	63	75	0.01	ug/L	0.30
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.07	46	113188	58.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.12%
24) Chloroform-d	7.65	84	227665	21.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	8.30	65	148348	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.27	84	407179	22.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.04%
33) 1,2-Dichloropropane-d6	9.27	67	139745	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
37) Toluene-d8	10.32	98	353253	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.60%
38) trans-1,3-Dichloropropene-	10.57	79	39655	14.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	56.84%
39) 2-Hexanone-d5	10.93	63	79519	59.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114827	20.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	78755	19.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.48%

Target Compounds

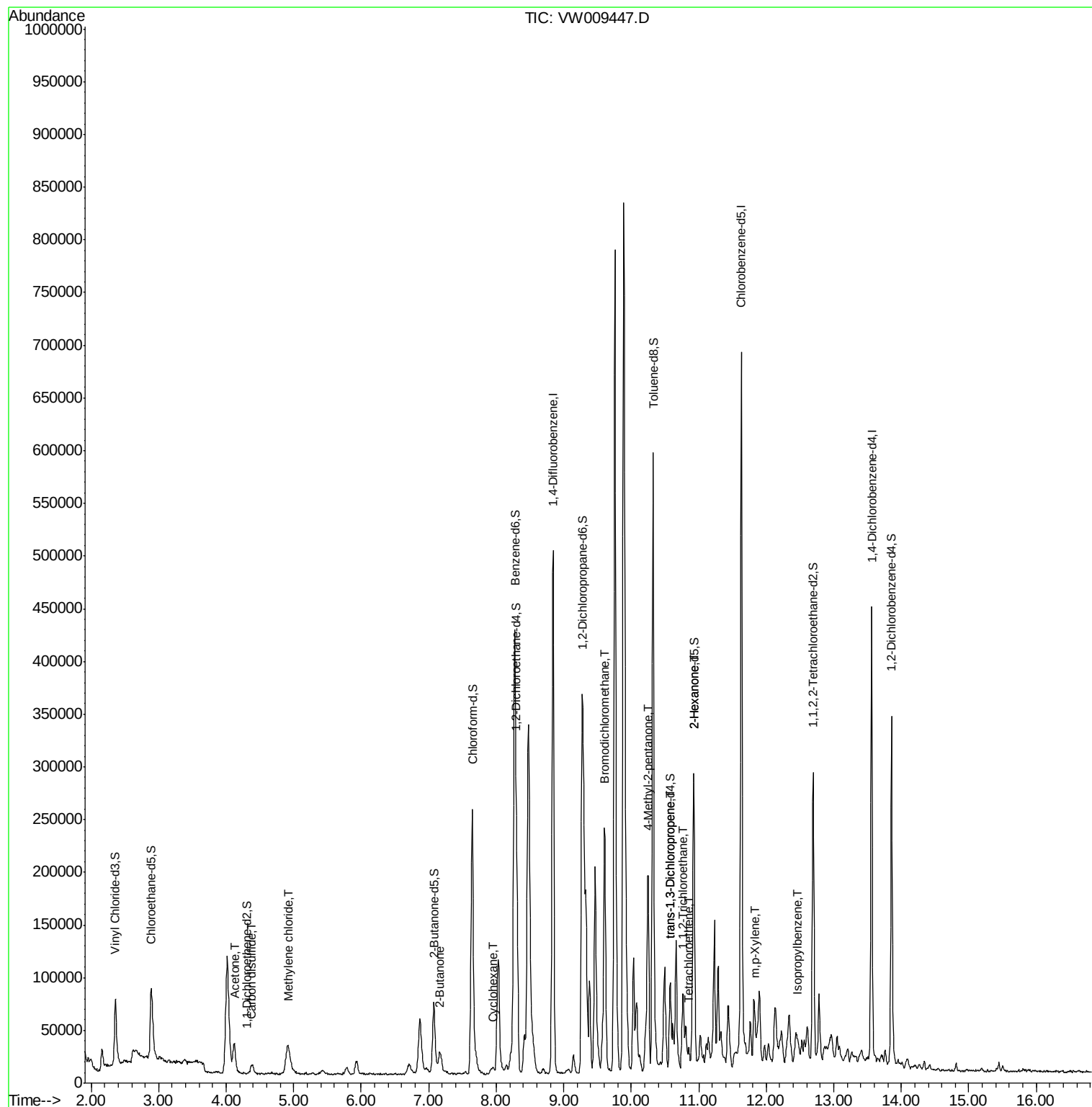
					Ovalue
13) Acetone	4.12	43	47472	29.695	ug/L 97
14) Carbon disulfide	4.38	76	16428	1.257	ug/L 98
16) Methylene chloride	4.92	84	20031	3.482	ug/L 92
21) 2-Butanone	7.17	43	22656	10.264	ug/L 89
30) Cyclohexane	7.95	56	3451	0.453	ug/L # 73
41) Bromodichloromethane	9.61	83	5593	0.857	ug/L # 40
43) 4-Methyl-2-pentanone	10.25	43	21622	5.065	ug/L # 74
45) trans-1,3-Dichloropropene	10.58	75	2022	0.303	ug/L 100
46) 1,1,2-Trichloroethane	10.76	97	13150	3.499	ug/L # 42
47) Tetrachloroethene	10.86	164	1170	0.283	ug/L # 72
49) 2-Hexanone	10.93	43	21008	6.987	ug/L # 45
54) m,p-Xylene	11.84	106	2910	0.339	ug/L 88
57) Isopropylbenzene	12.46	105	7882	0.352	ug/L 98

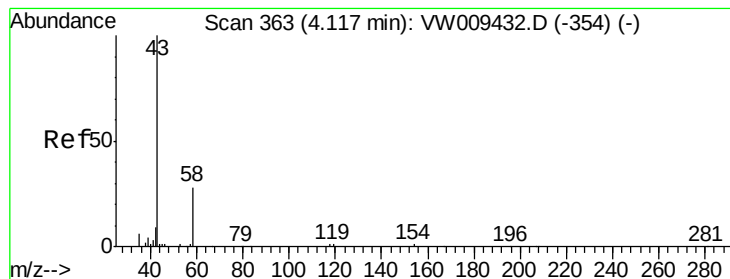
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 09:00:24 2019
Response via : Initial Calibration





#13

Acetone

Concen: 29.695 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Instrument :

MSVOA_W

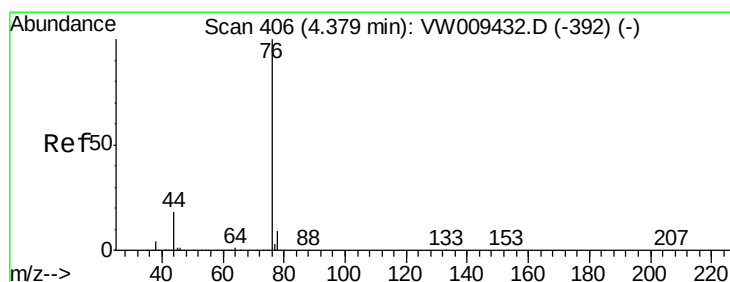
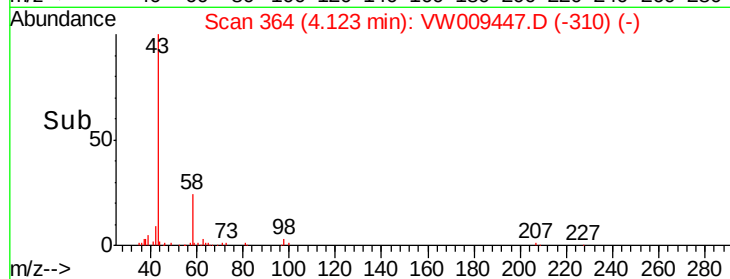
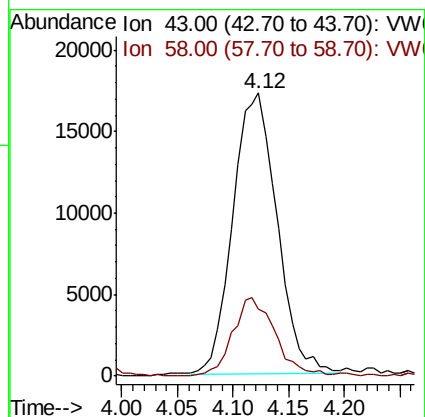
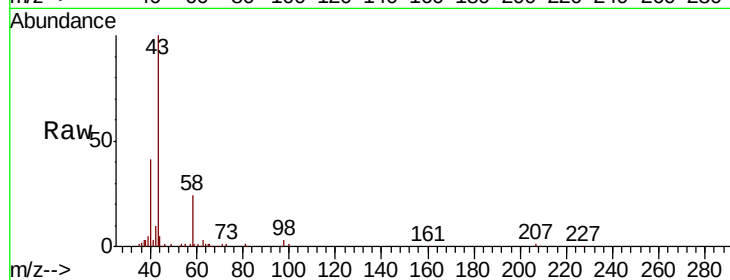
ClientSampleId :

Tot Ion: 43 Resp: 47472

Ion Ratio Lower Upper

43 100

58 26.5 0.0 56.2



#14

Carbon disulfide

Concen: 1.257 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009447.D

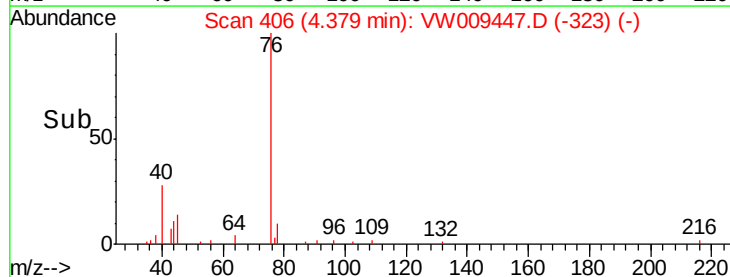
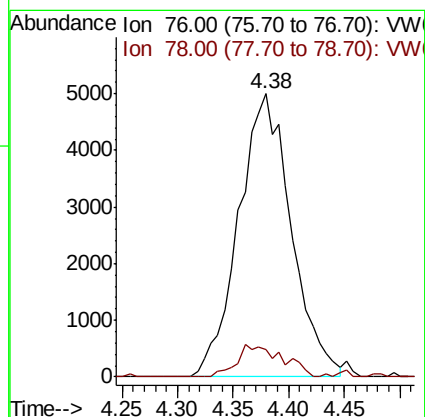
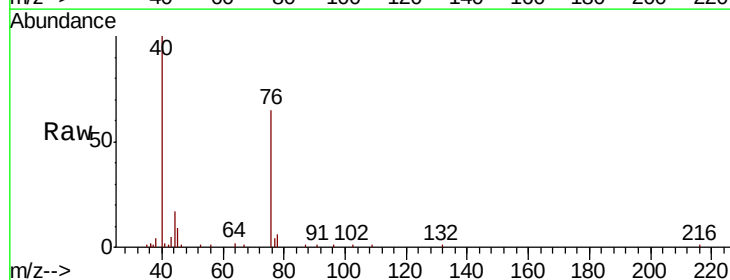
Acq: 26 Mar 2019 00:24

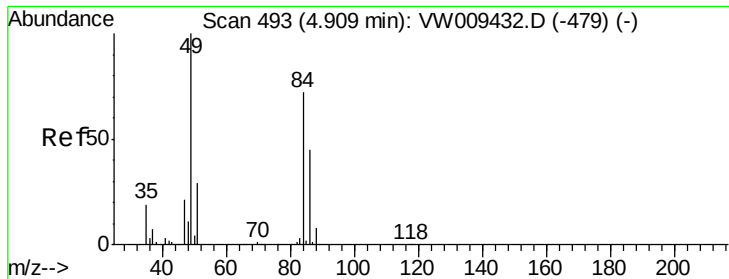
Tgt Ion: 76 Resp: 16428

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

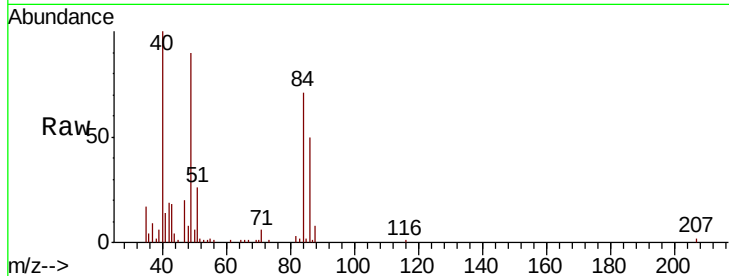




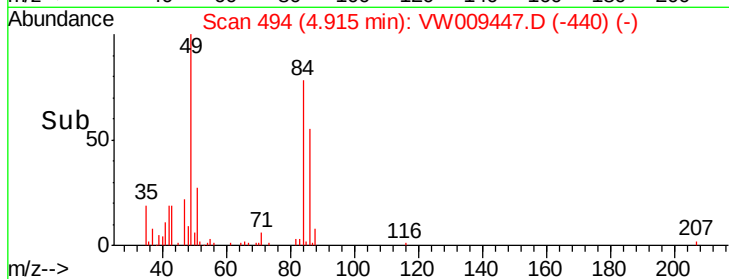
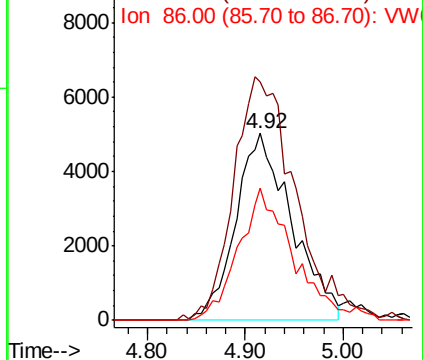
#16
Methylene chloride
Concen: 3.482 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009447.D
Acq: 26 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 20031
Ion Ratio Lower Upper
84 100
49 127.8 96.0 178.2
86 70.8 44.4 82.5

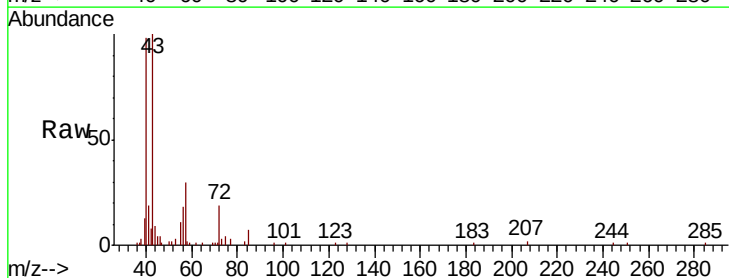
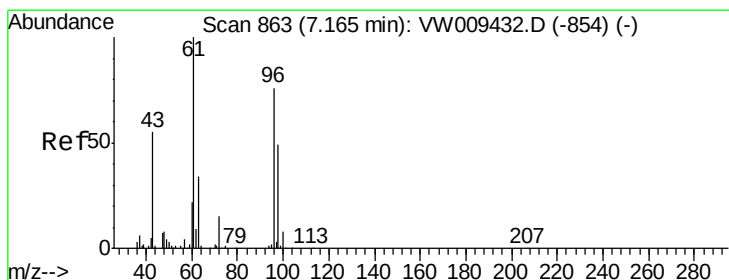


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

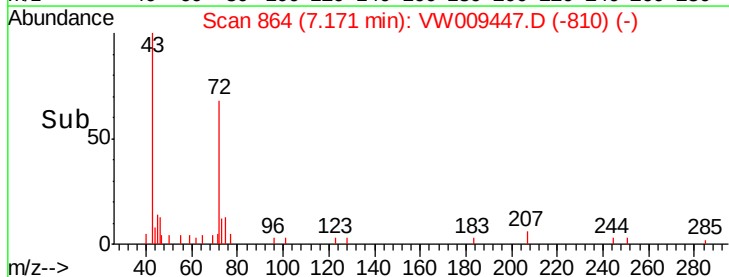
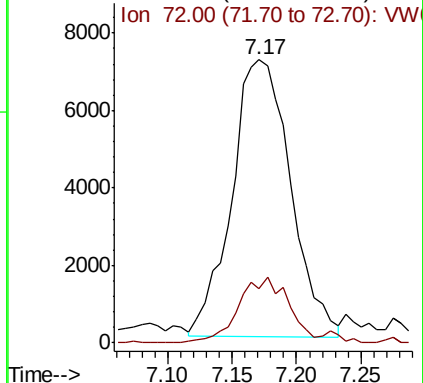


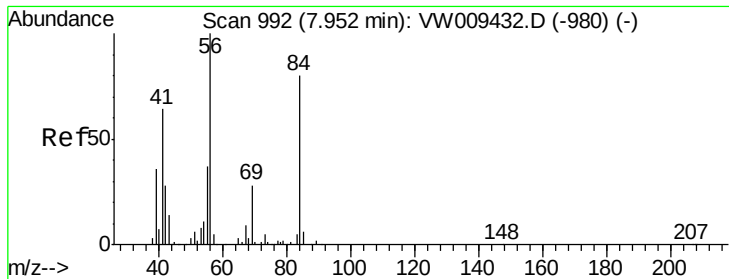
#21
2-Butanone
Concen: 10.264 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW009447.D
Acq: 26 Mar 2019 00:24

Tgt Ion: 43 Resp: 22656
Ion Ratio Lower Upper
43 100
72 20.3 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

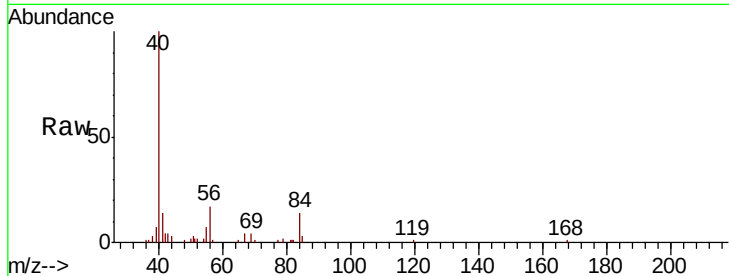




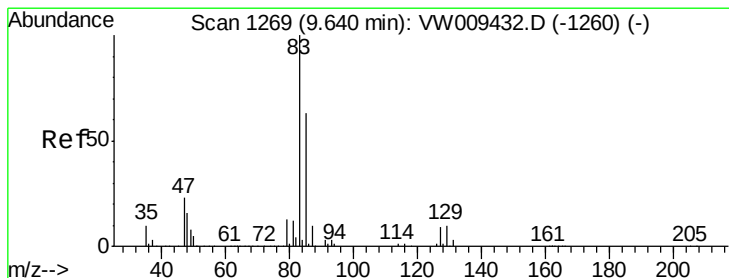
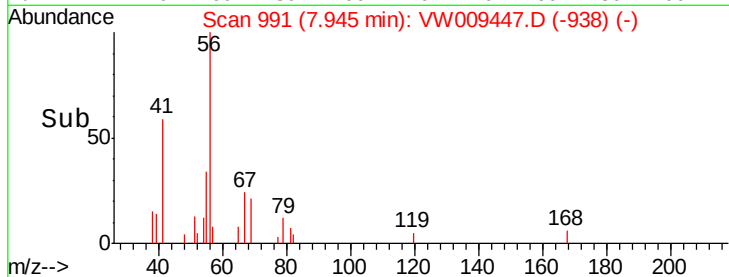
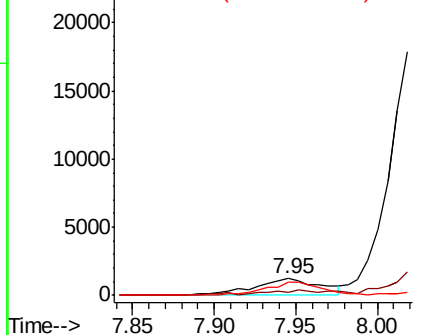
#30
Cyclohexane
Concen: 0.453 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009447.D
Acq: 26 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 3451
Ion Ratio Lower Upper
56 100
69 5.7 24.0 36.0#
84 67.3 69.2 103.8#

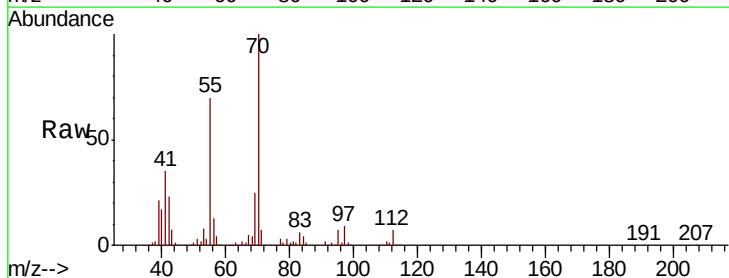


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

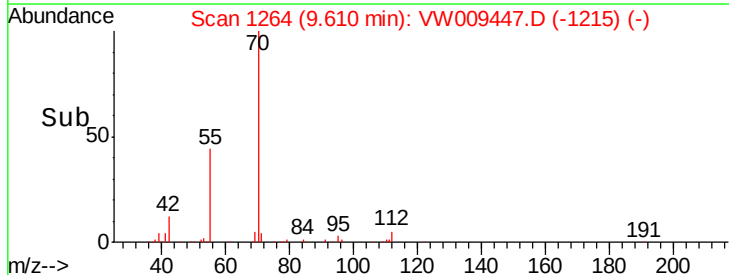
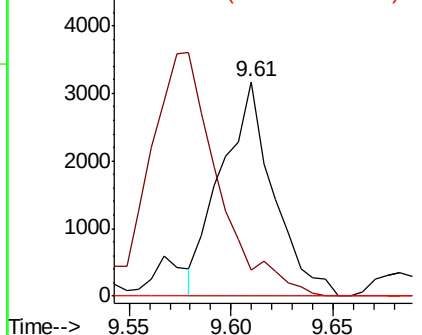


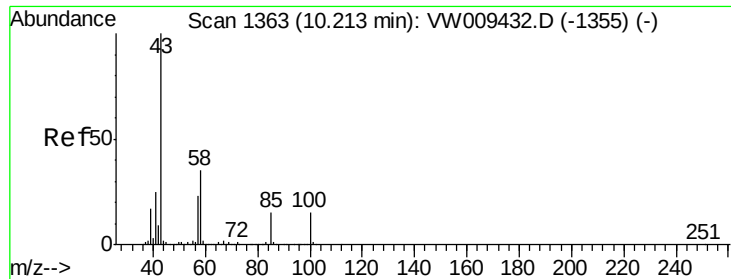
#41
Bromodichloromethane
Concen: 0.857 ug/L
RT: 9.61 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VW009447.D
Acq: 26 Mar 2019 00:24

Tgt Ion: 83 Resp: 5593
Ion Ratio Lower Upper
83 100
85 12.0 43.5 80.7#
127 0.0 6.2 9.4#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 127.00 (126.70 to 127.70): V





#43

4-Methyl-2-pentanone

Concen: 5.065 ug/L

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

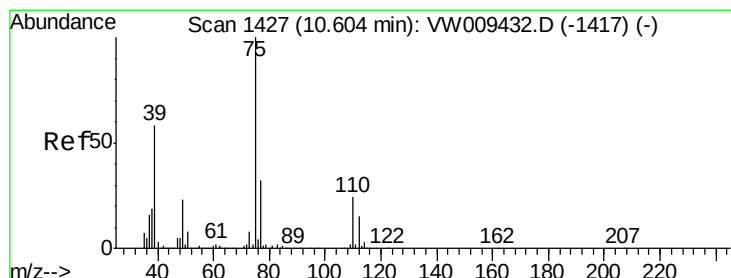
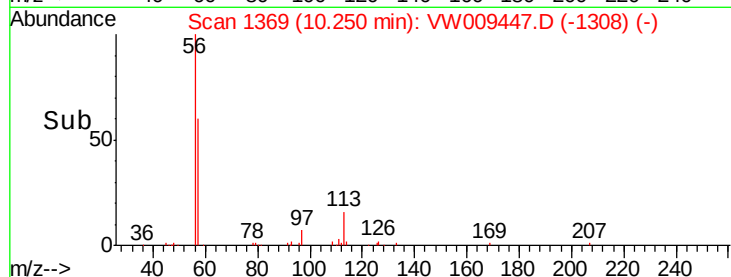
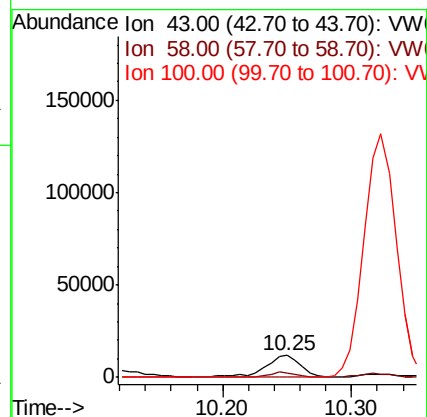
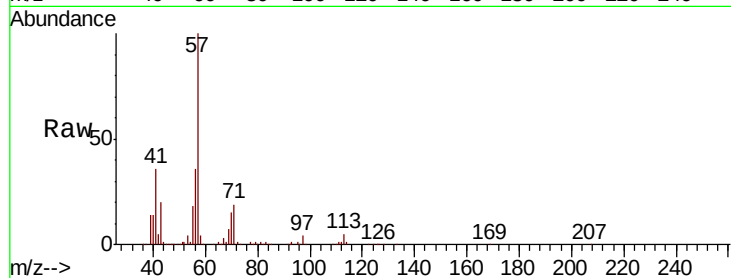
Tot Ion: 43 Resp: 21622

Ion Ratio Lower Upper

43 100

58 22.1 28.2 42.2#

100 0.2 11.4 17.2#



#45

trans-1,3-Dichloropropene

Concen: 0.303 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009447.D

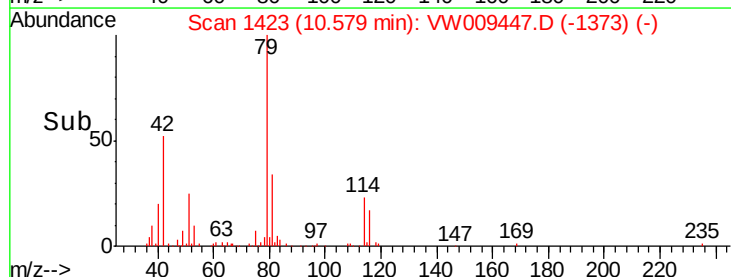
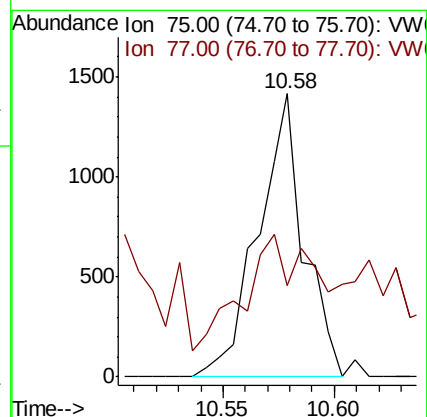
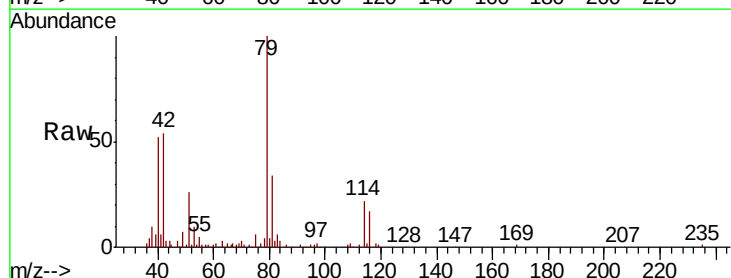
Acq: 26 Mar 2019 00:24

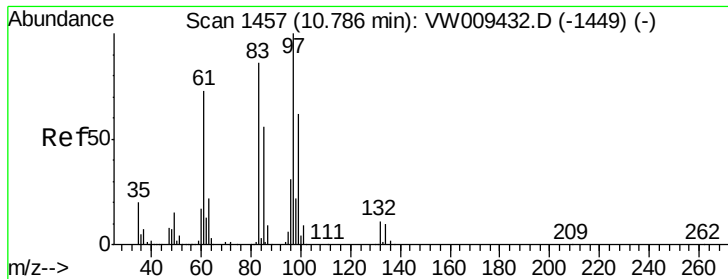
Tgt Ion: 75 Resp: 2022

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 3.499 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 13150

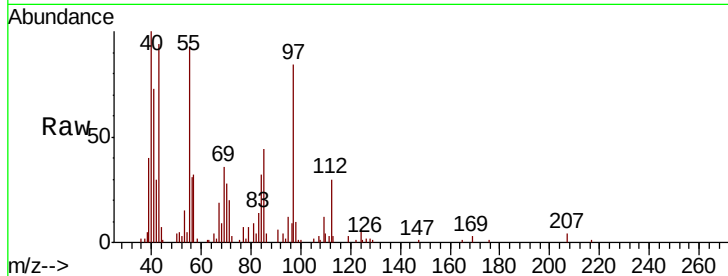
Ion Ratio Lower Upper

97 100

83 16.0 60.7 112.7#

85 51.9 40.1 74.5

99 0.9 43.8 81.3#

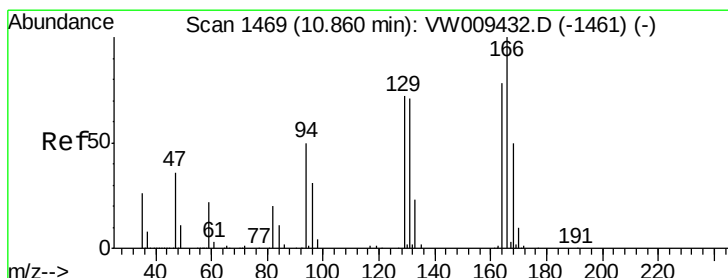
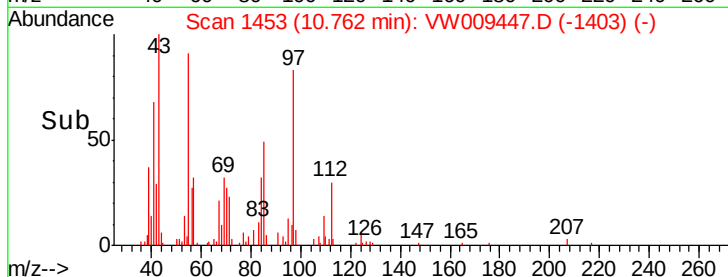
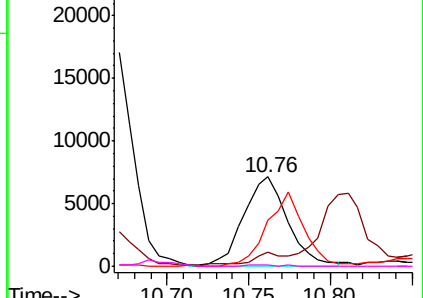


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 0.283 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Tgt Ion:164 Resp: 1170

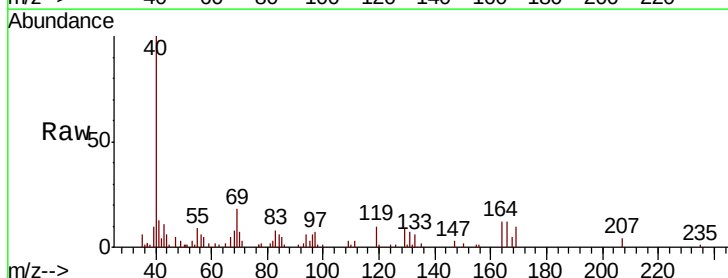
Ion Ratio Lower Upper

164 100

129 74.4 66.5 123.5

131 60.7 62.6 116.3#

166 95.2 91.6 170.0

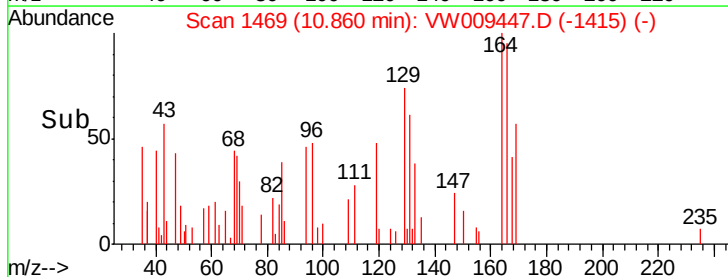
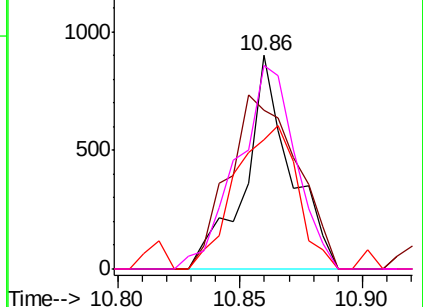


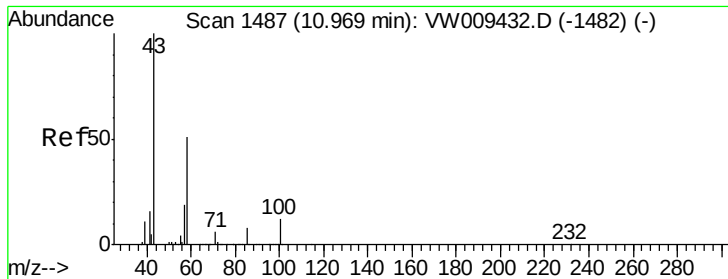
Abundance Ion 164.00 (163.70 to 164.70): V

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

2-Hexanone

Concen: 6.987 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 21008

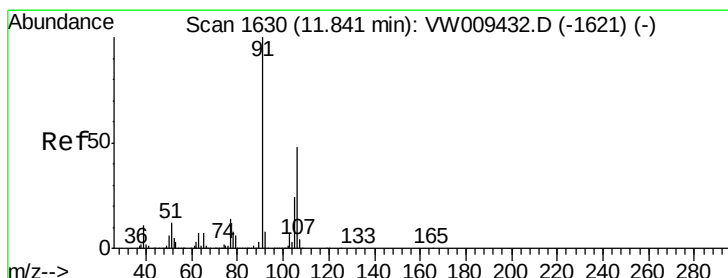
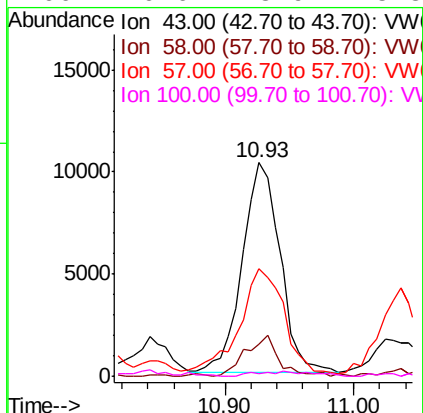
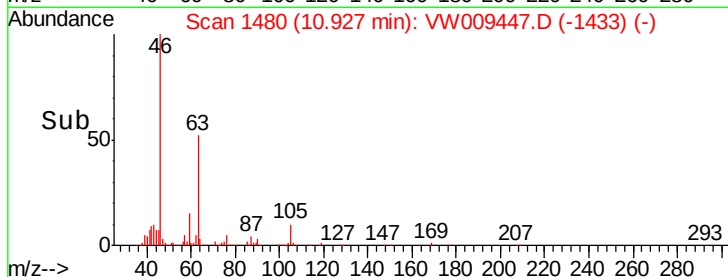
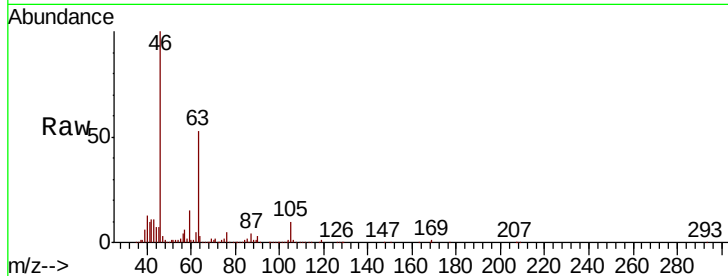
Ion Ratio Lower Upper

43 100

58 16.5 39.2 58.8#

57 58.8 14.2 21.2#

100 0.6 8.9 13.3#



#54

m,p-Xylene

Concen: 0.339 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009447.D

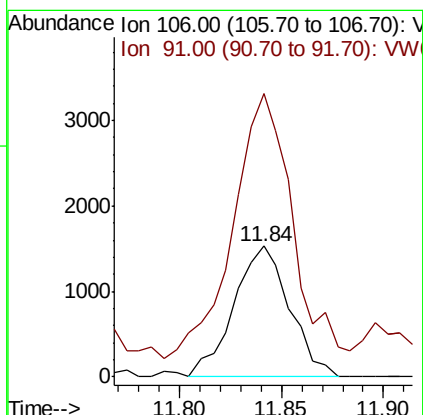
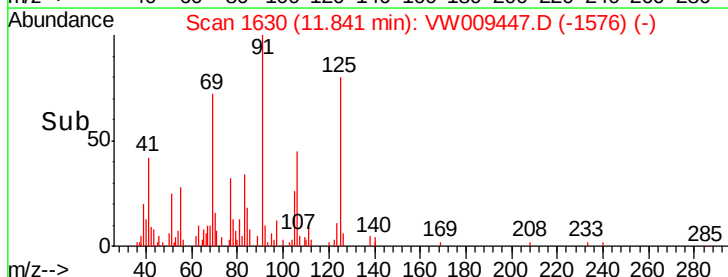
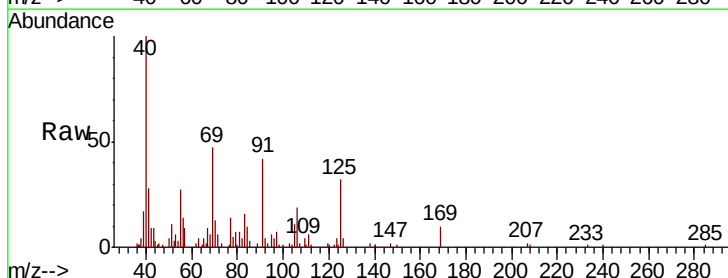
Acq: 26 Mar 2019 00:24

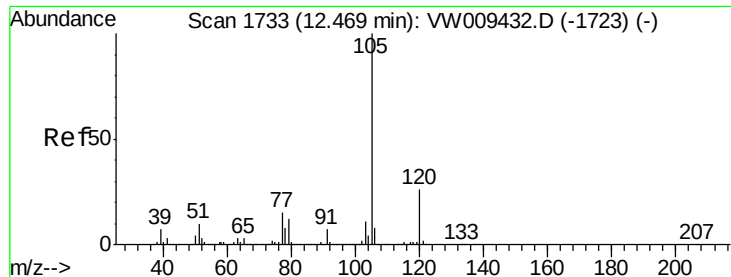
Tgt Ion:106 Resp: 2910

Ion Ratio Lower Upper

106 100

91 216.1 138.4 257.0





#57

Isopropylbenzene

Concen: 0.352 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009447.D

Acq: 26 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

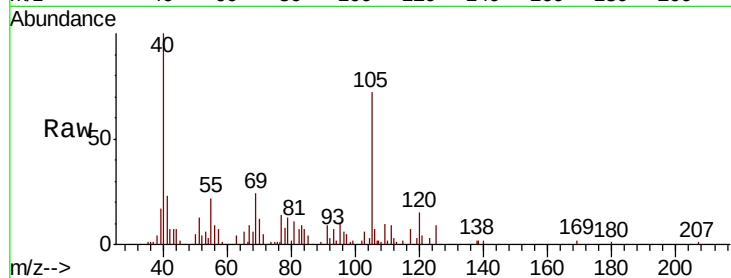
Tot Ion:105 Resp: 7882

Ion Ratio Lower Upper

105 100

120 25.4 21.3 31.9

77 17.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

