

Data File : VV012309.D
Acq On : 20 Aug 2019 13:44
Operator : SY/MD
Sample : K4373-11DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AB2DL

Quant Time: Aug 21 01:17:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158664	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148007	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	87834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22139	2.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.60%
7) Chloroethane-d5	1.56	69	16245	2.74	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	54.80%#
11) 1,1-Dichloroethene-d2	2.12	63	34886	2.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.40%#
20) 2-Butanone-d5	3.94	46	27705	12.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	25.34%#
24) Chloroform-d	4.39	84	67848	3.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.80%#
26) 1,2-Dichloroethane-d4	5.08	65	36679	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
32) Benzene-d6	5.09	84	138075	3.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.60%
36) 1,2-Dichloropropane-d6	6.11	67	37043	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.00%
41) Toluene-d8	7.35	98	136353	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	7.66	79	16379	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.13	63	59494	39.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27405	3.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	65.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	61425	3.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	69.60%#

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1350	0.136	ug/L #	76
6) Bromomethane	1.51	94	815	0.152	ug/L	99
8) Chloroethane	1.69	64	968	0.186	ug/L #	48
13) Acetone	2.19	43	1440	1.259	ug/L	68
14) Carbon disulfide	2.31	76	1451	0.072	ug/L	94
16) Methylene chloride	2.52	84	1145	0.151	ug/L	91
25) Chloroform	4.41	83	5653	0.247	ug/L	100
27) 1,2-Dichloroethane	5.14	62	2904	0.223	ug/L #	74
33) Benzene	5.14	78	285615	6.976	ug/L	100
37) 1,2-Dichloropropane	6.11	63	4779	0.499	ug/L #	81
42) Toluene	7.43	91	355154	7.838	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	848	0.070	ug/L	88
45) 1,1,2-Trichloroethane	7.74	97	2289	0.311	ug/L #	21
52) Ethylbenzene	9.05	91	575336	11.348	ug/L	99
53) m,p-xylene	9.18	106	209424	10.581	ug/L	95
54) o-xylene	9.59	106	100932	5.302	ug/L	99
55) Styrene	9.59	104	9396	0.292	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

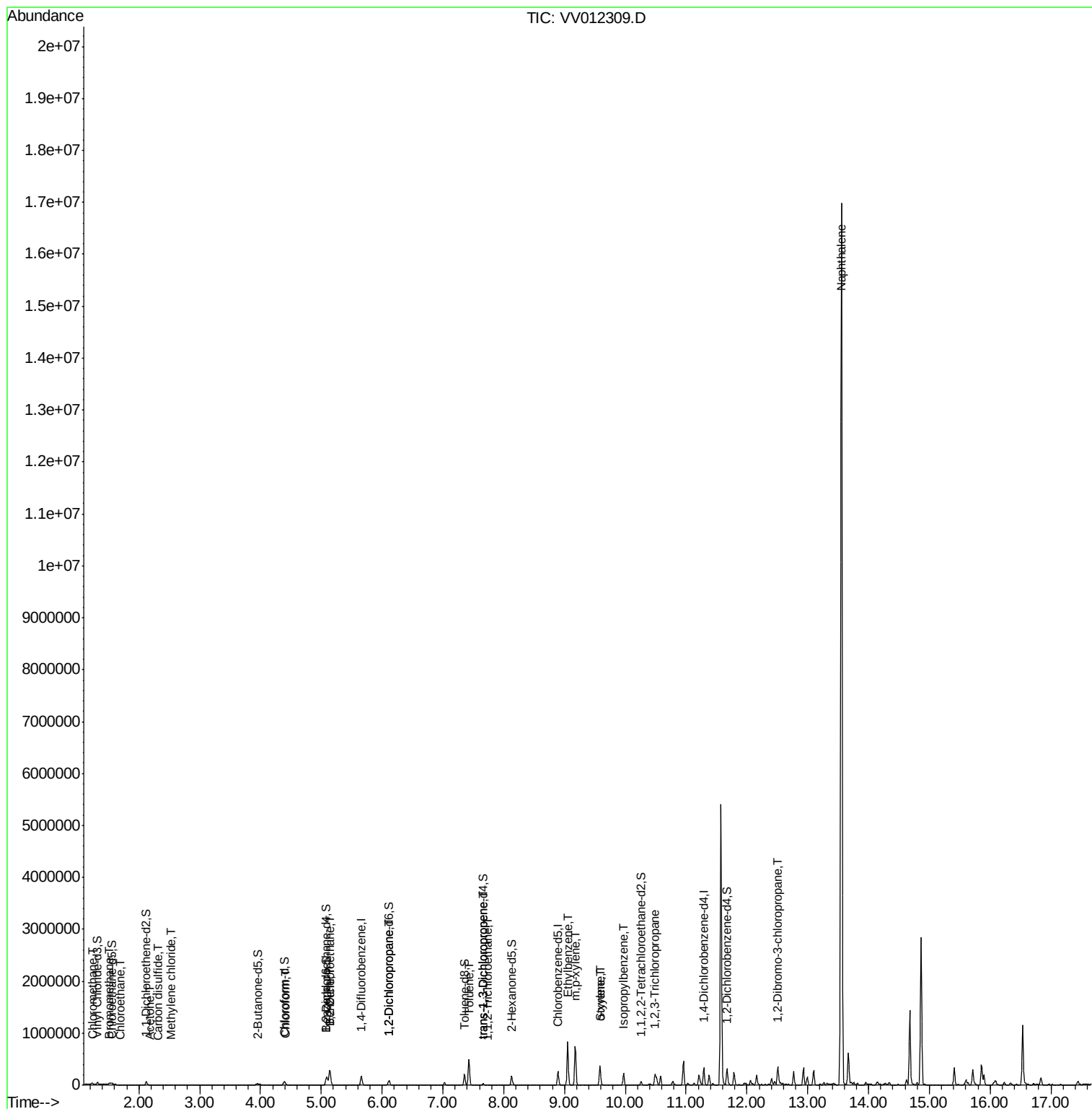
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	9.97	105	152082	2.894	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	907	0.153	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.51	75	6162	4.323	ug/L #	1
69) Naphthalene	13.56	128	13079600	533.297	ug/L	96

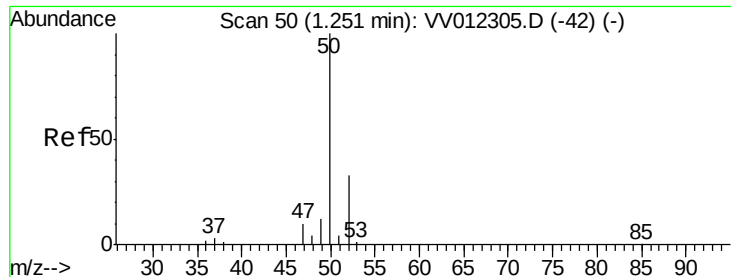
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

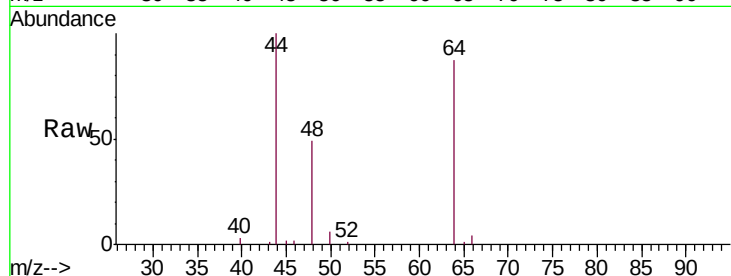
C0AB2DL

Tgt Ion: 50 Resp: 1350

Ion Ratio Lower Upper

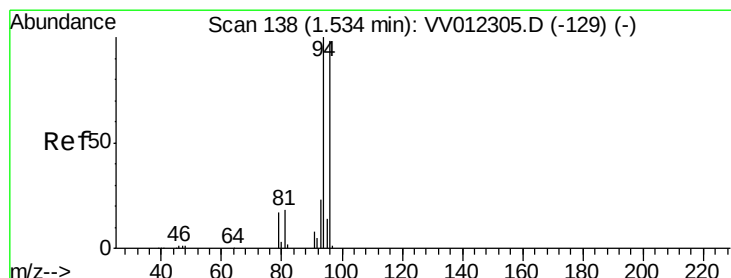
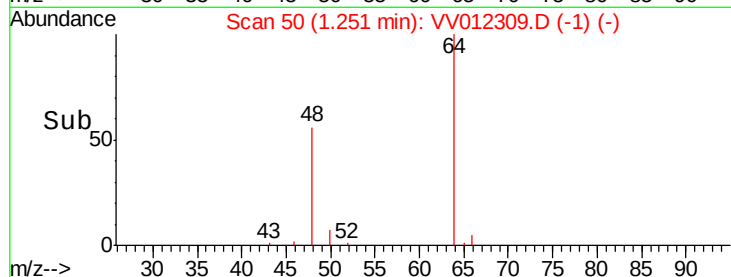
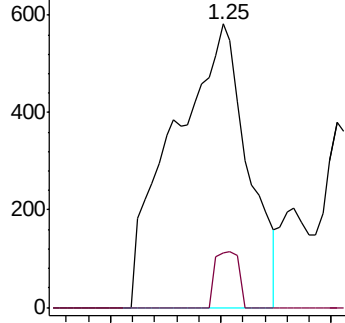
50 100

52 19.1 22.6 42.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.152 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV012309.D

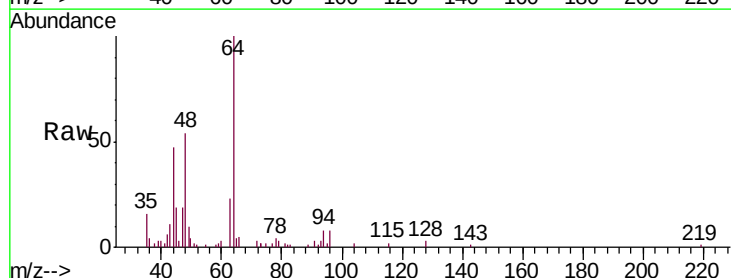
Acq: 20 Aug 2019 13:44

Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

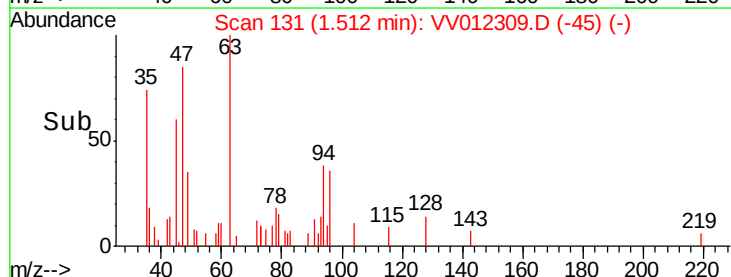
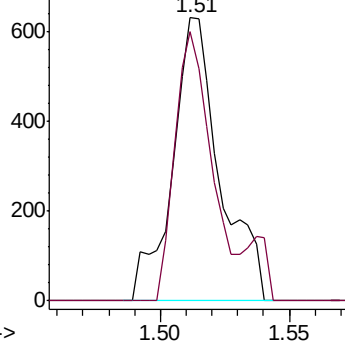
94 100

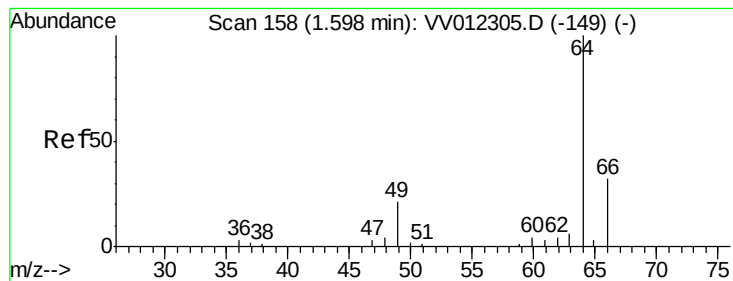
96 95.1 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.186 ug/L

RT: 1.69 min Scan# 185

Delta R.T. 0.09 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

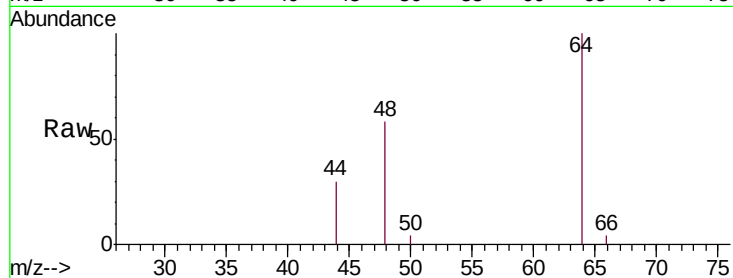
C0AB2DL

Tgt Ion: 64 Resp: 968

Ion Ratio Lower Upper

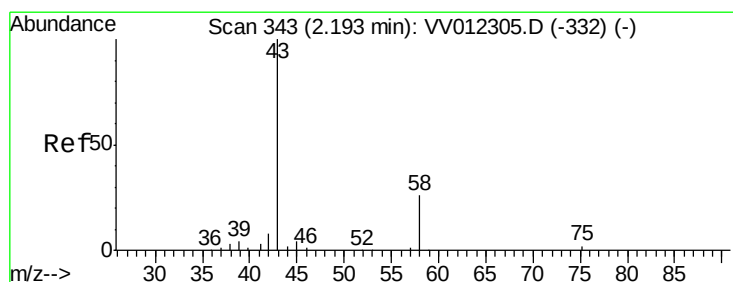
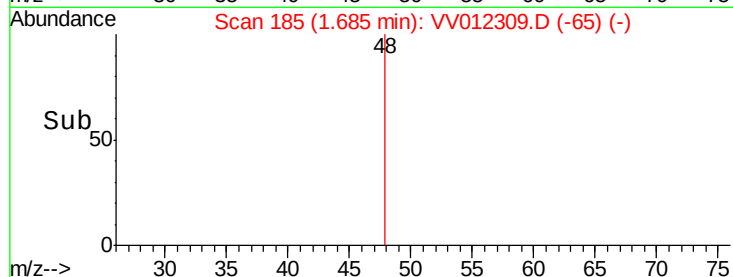
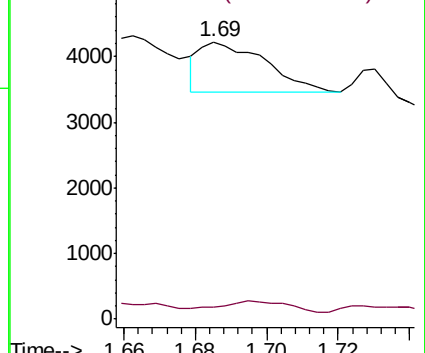
64 100

66 4.2 23.7 44.1#



Abundance Ion 64.10 (63.80 to 64.80): VV012309.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012309.D (-149) (-)



#13

Acetone

Concen: 1.259 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV012309.D

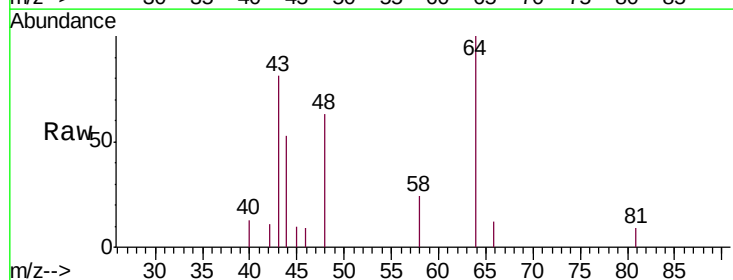
Acq: 20 Aug 2019 13:44

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

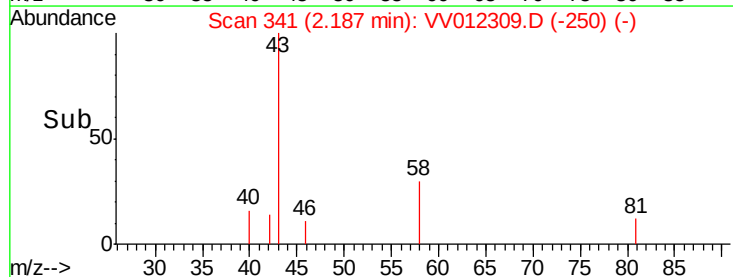
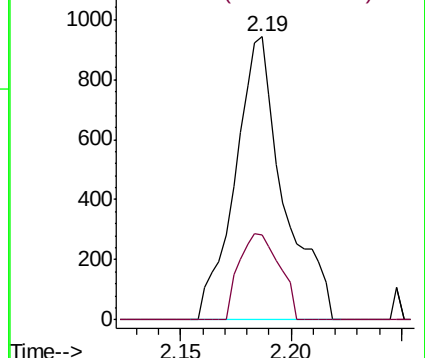
43 100

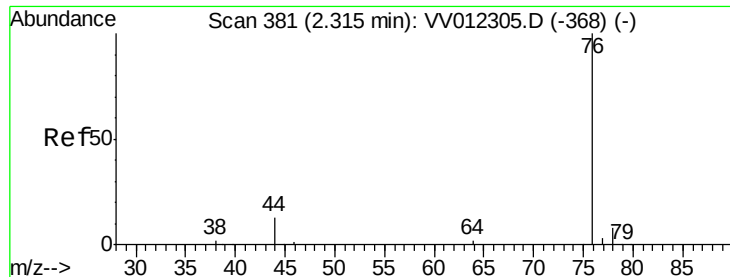
58 25.5 0.0 25.6



Abundance Ion 43.05 (42.75 to 43.75): VV012309.D (-250) (-)

Ion 58.05 (57.75 to 58.75): VV012309.D (-250) (-)





#14

Carbon disulfide

Concen: 0.072 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

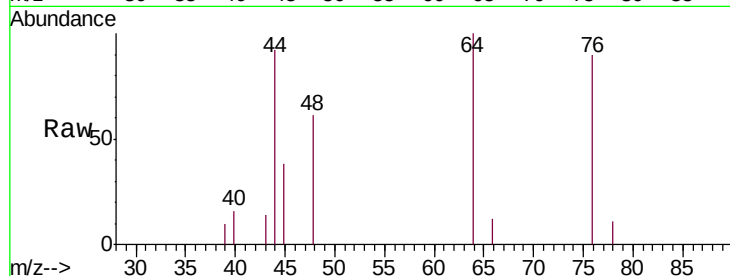
C0AB2DL

Tgt Ion: 76 Resp: 1451

Ion Ratio Lower Upper

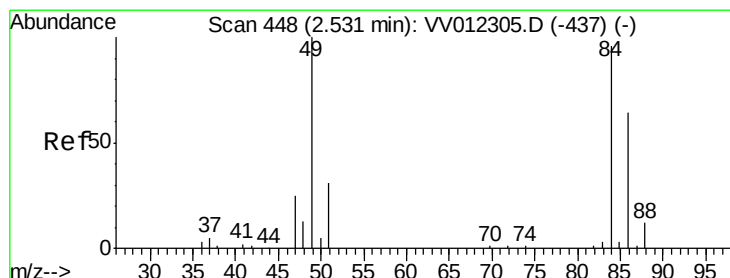
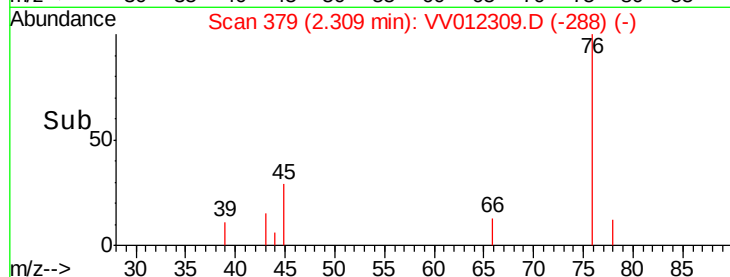
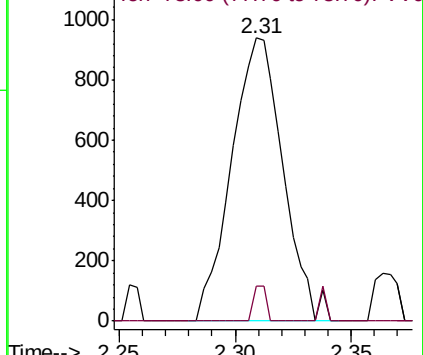
76 100

78 12.5 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.151 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

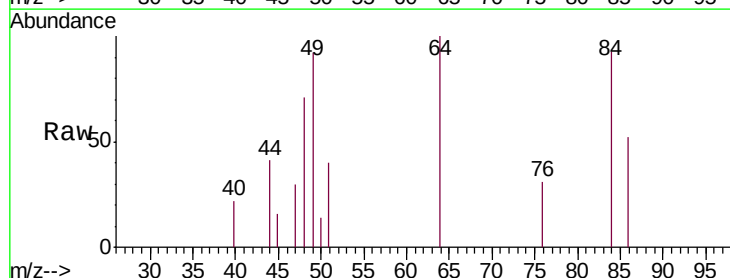
Tgt Ion: 84 Resp: 1145

Ion Ratio Lower Upper

84 100

86 56.3 49.5 91.9

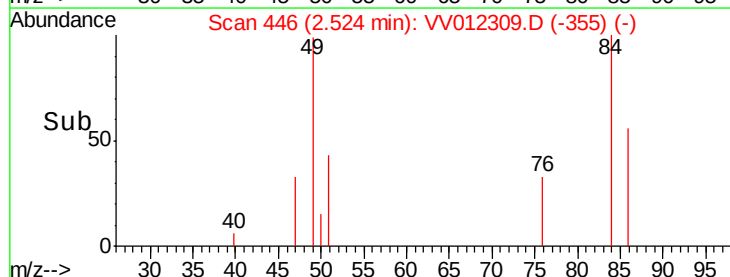
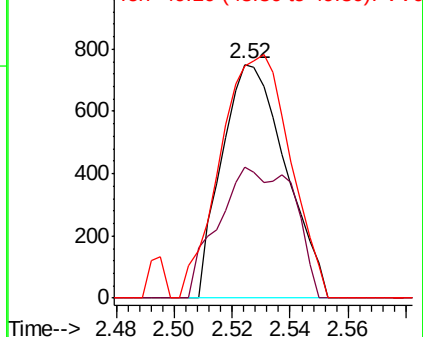
49 99.2 72.1 133.9

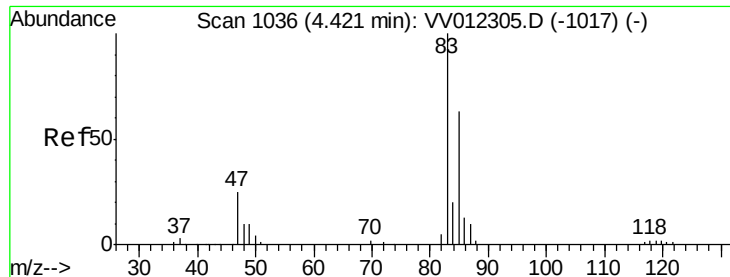


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

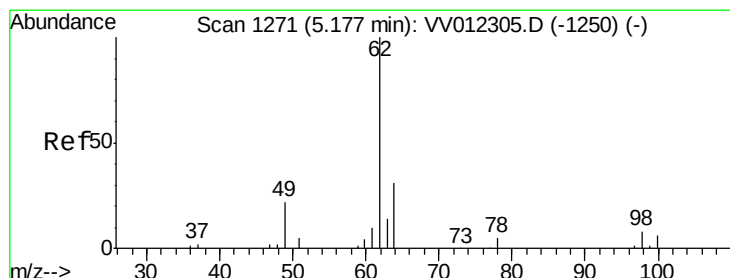
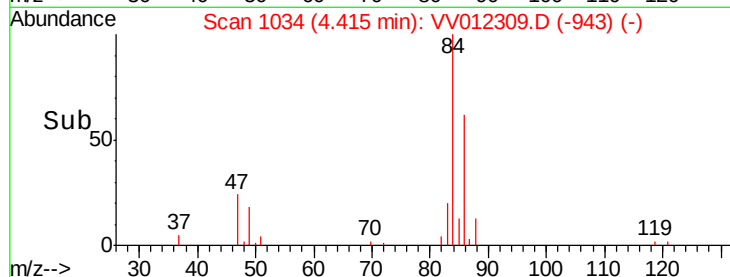
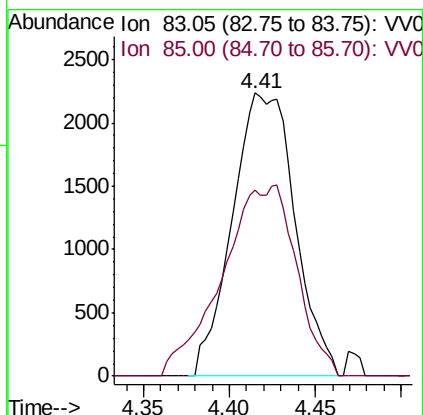
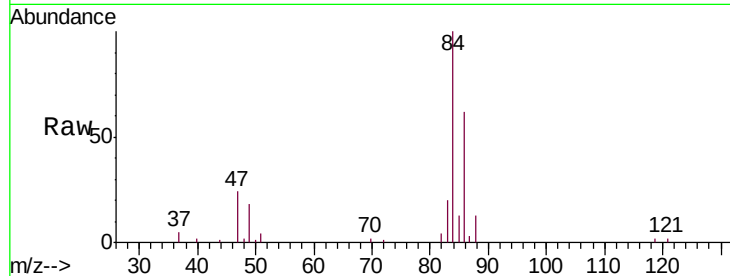




#25
Chloroform
Concen: 0.247 ug/L
RT: 4.41 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VV012309.D
Acq: 20 Aug 2019 13:44

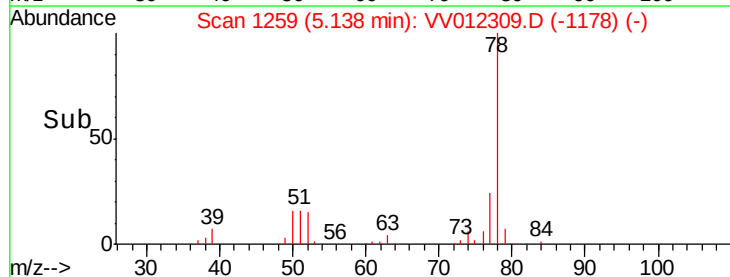
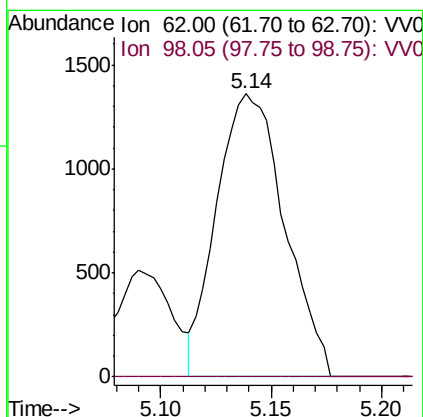
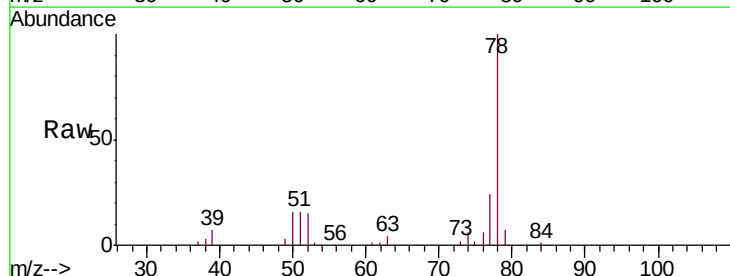
Instrument :
MSVOA_V
ClientSampleId :
C0AB2DL

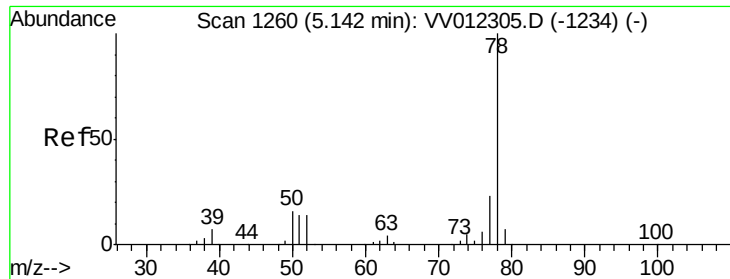
Tgt Ion: 83 Resp: 5653
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.223 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. -0.04 min
Lab File: VV012309.D
Acq: 20 Aug 2019 13:44

Tgt Ion: 62 Resp: 2904
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 6.976 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

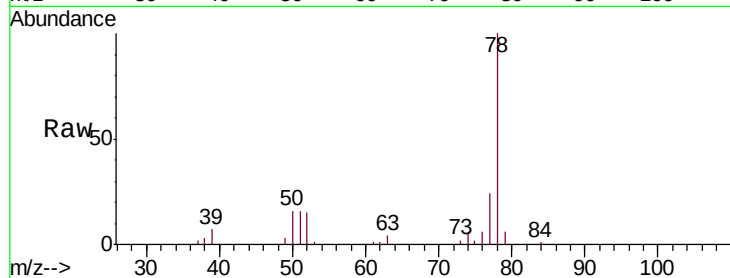
Instrument :

MSVOA_V

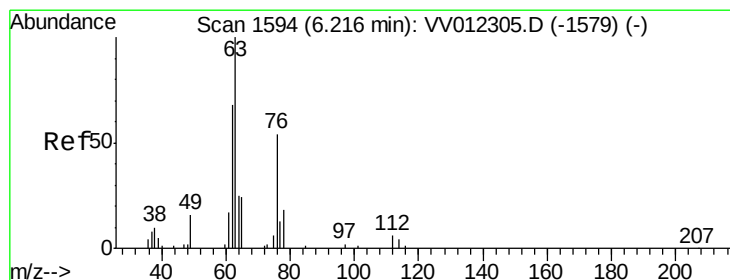
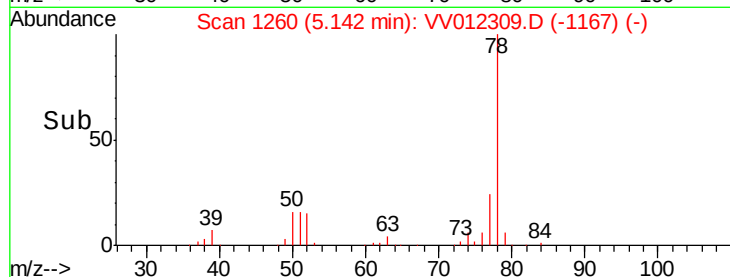
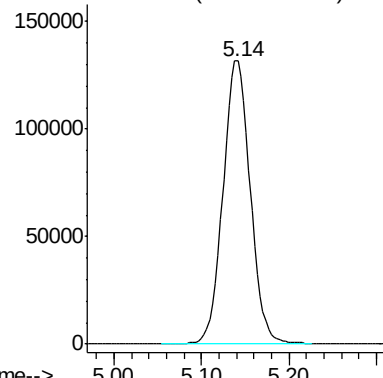
ClientSampleId :

C0AB2DL

Tgt Ion: 78 Resp: 285615



Abundance Ion 78.10 (77.80 to 78.80): VV0



#37

1,2-Dichloropropane

Concen: 0.499 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV012309.D

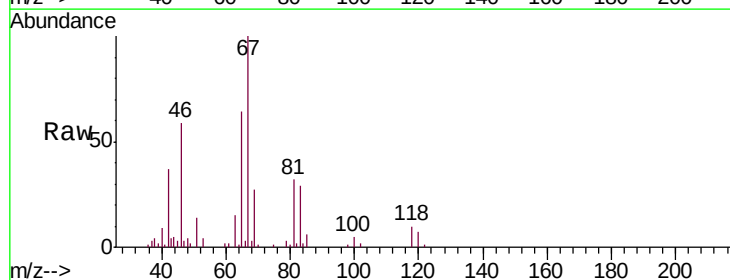
Acq: 20 Aug 2019 13:44

Tgt Ion: 63 Resp: 4779

Ion Ratio Lower Upper

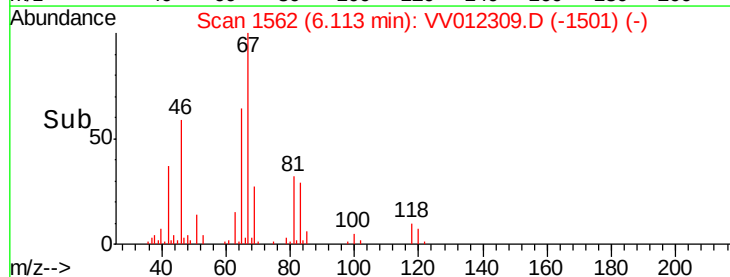
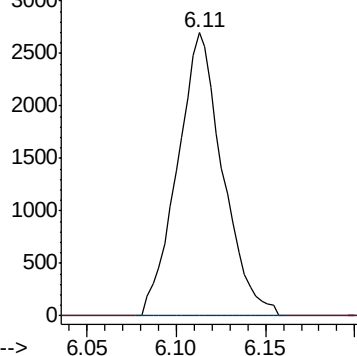
63 100

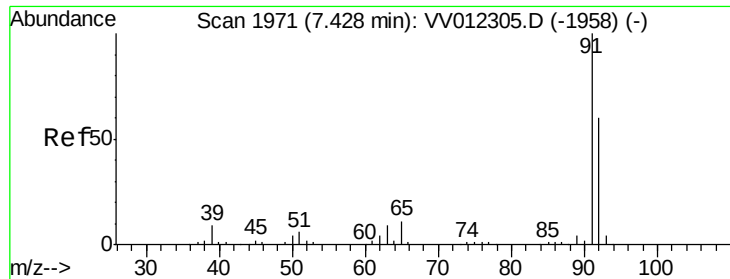
112 0.0 5.1 7.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 7.838 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

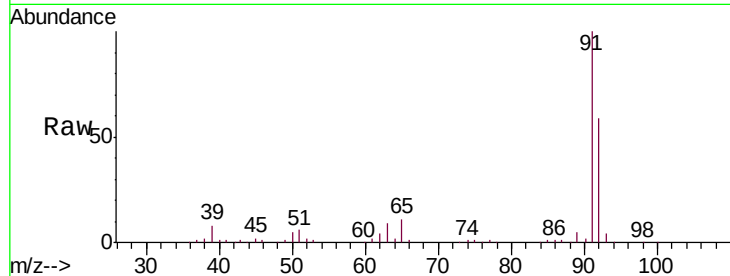
C0AB2DL

Tgt Ion: 91 Resp: 355154

Ion Ratio Lower Upper

91 100

92 59.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

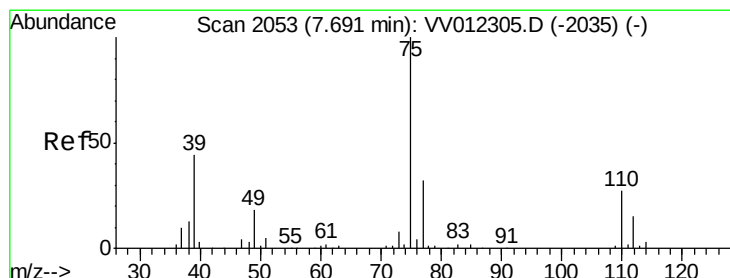
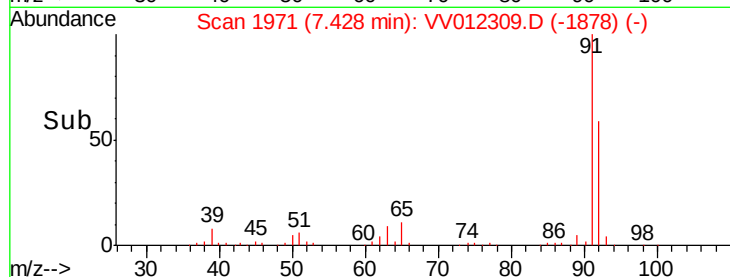
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012309.D

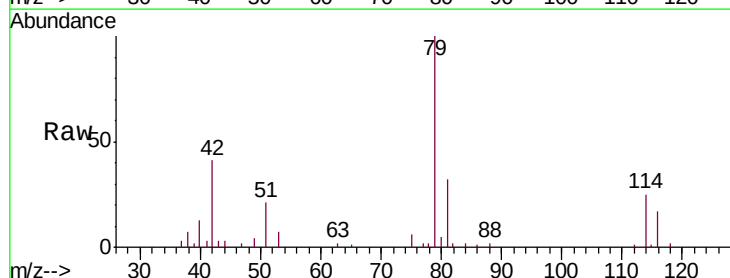
Acq: 20 Aug 2019 13:44

Tgt Ion: 75 Resp: 848

Ion Ratio Lower Upper

75 100

77 38.5 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

600

500

400

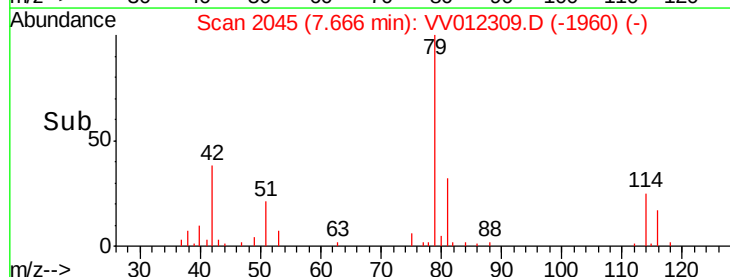
300

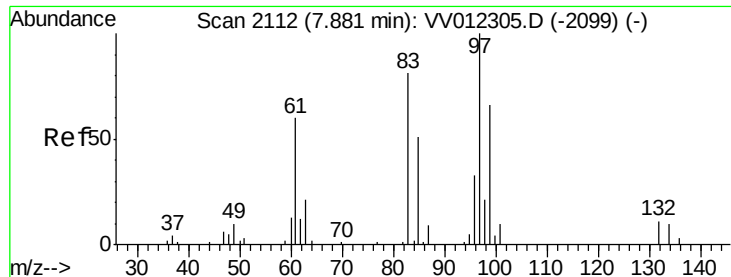
200

100

0

Time-->

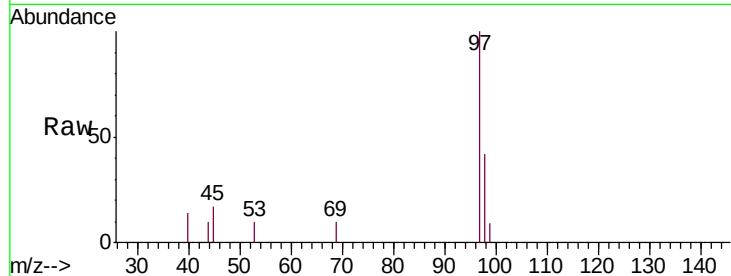




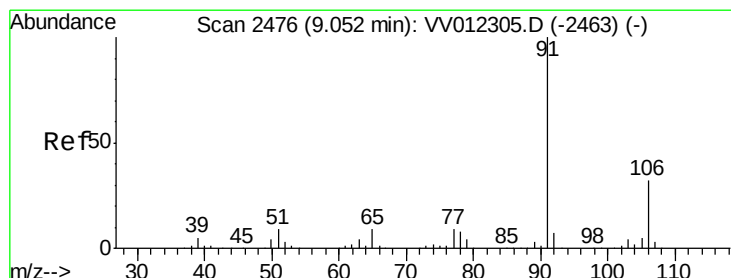
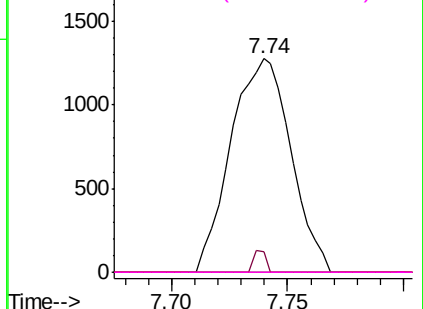
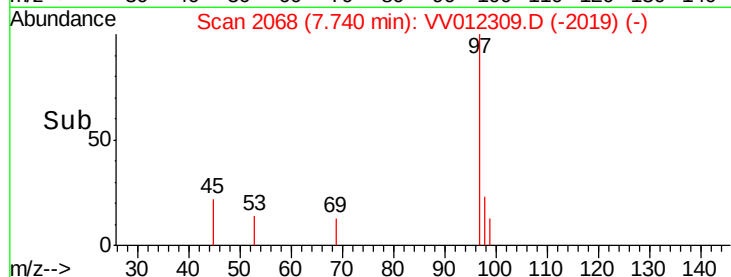
#45
 1,1,2-Trichloroethane
 Concen: 0.311 ug/L
 RT: 7.74 min Scan# 2068
 Delta R.T. -0.14 min
 Lab File: VV012309.D
 Acq: 20 Aug 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB2DL

Tgt Ion: 97 Resp: 2289
 Ion Ratio Lower Upper
 97 100
 99 9.5 44.7 83.1#
 83 0.0 56.8 105.6#
 85 0.0 34.5 64.1#

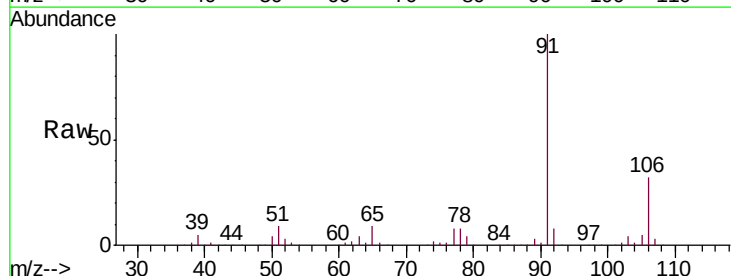


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

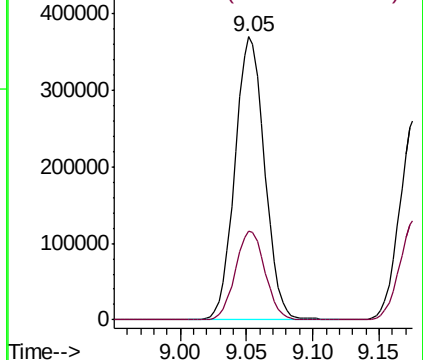
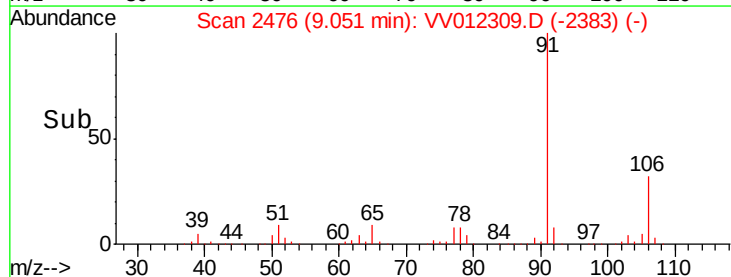


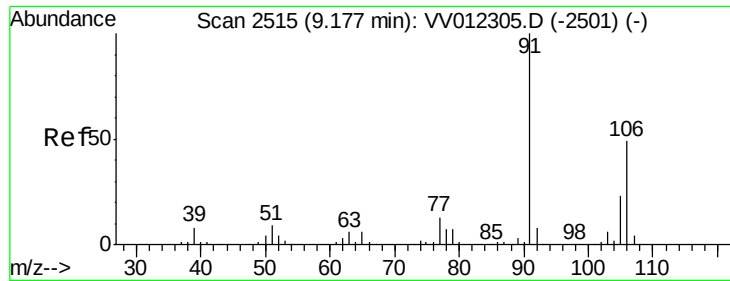
#52
 Ethylbenzene
 Concen: 11.348 ug/L
 RT: 9.05 min Scan# 2476
 Delta R.T. -0.00 min
 Lab File: VV012309.D
 Acq: 20 Aug 2019 13:44

Tgt Ion: 91 Resp: 575336
 Ion Ratio Lower Upper
 91 100
 106 31.6 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
 Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 10.581 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

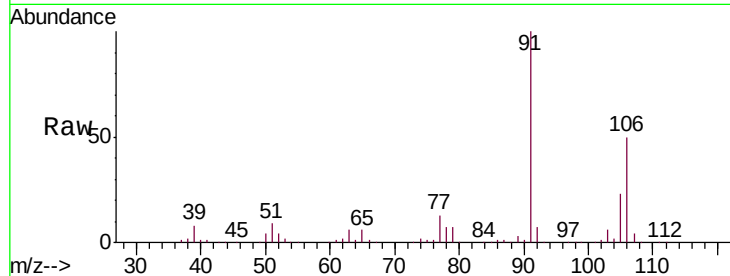
C0AB2DL

Tgt Ion:106 Resp: 209424

Ion Ratio Lower Upper

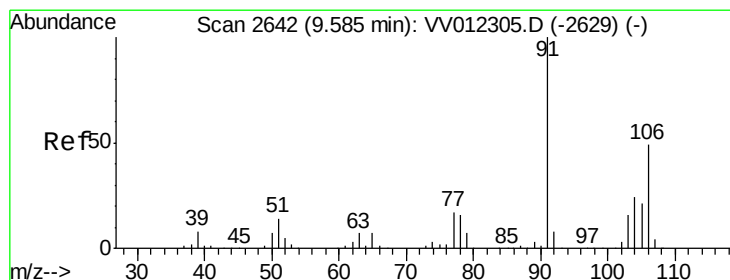
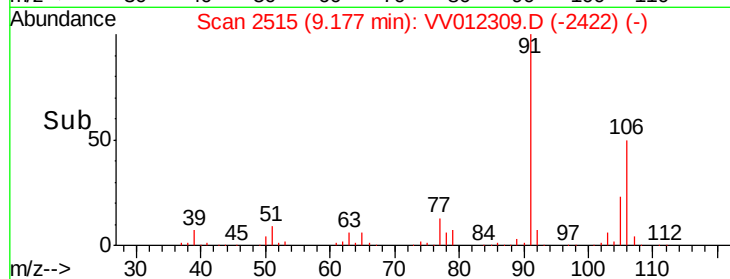
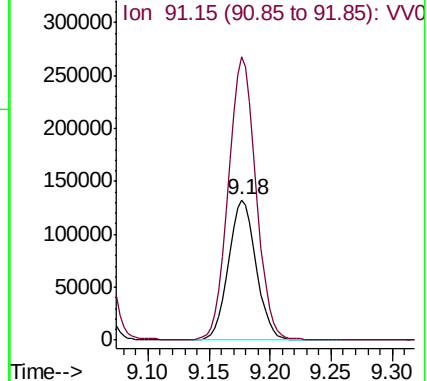
106 100

91 201.3 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 5.302 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012309.D

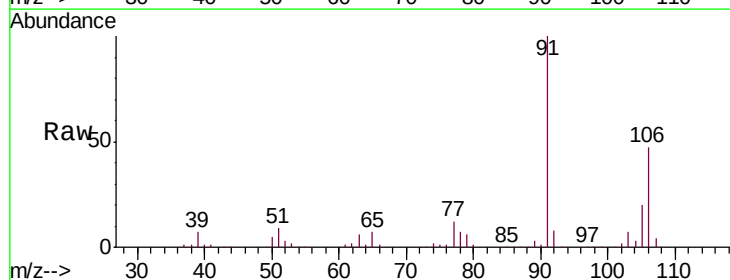
Acq: 20 Aug 2019 13:44

Tgt Ion:106 Resp: 100932

Ion Ratio Lower Upper

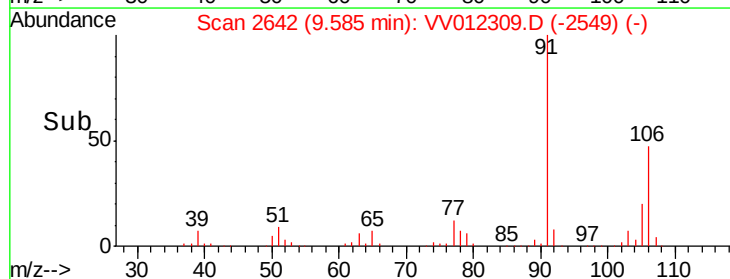
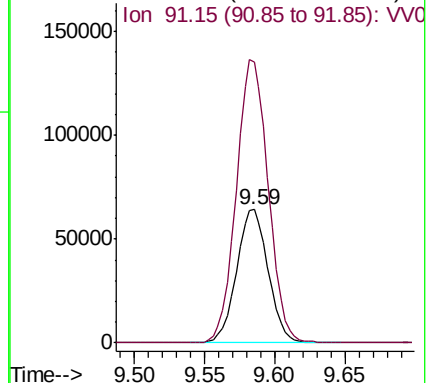
106 100

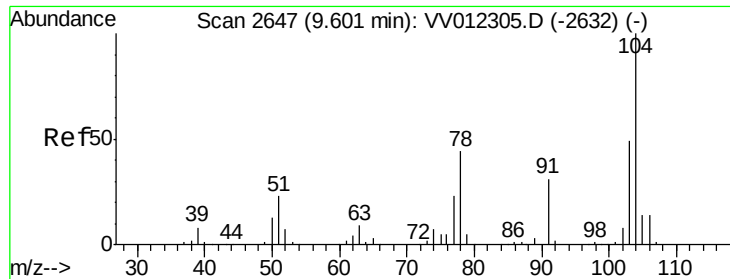
91 210.6 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.292 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.01 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

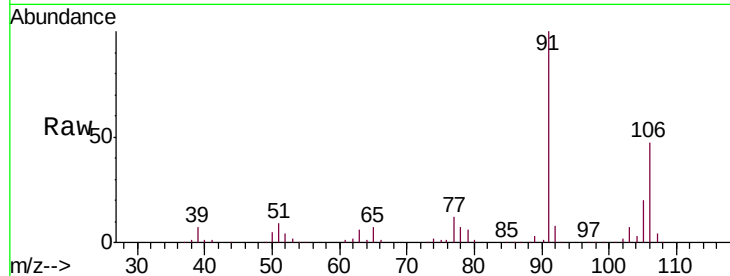
C0AB2DL

Tgt Ion:104 Resp: 9396

Ion Ratio Lower Upper

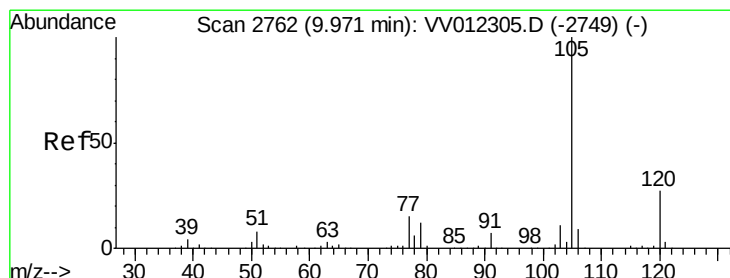
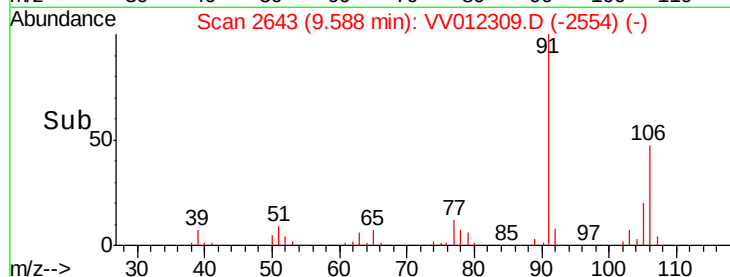
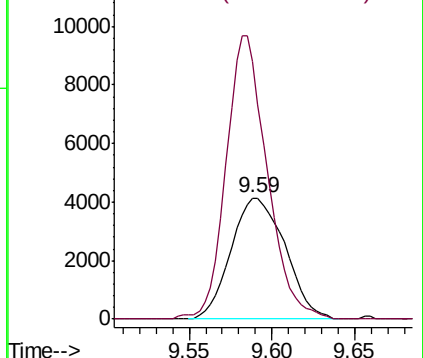
104 100

78 212.4 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 2.894 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

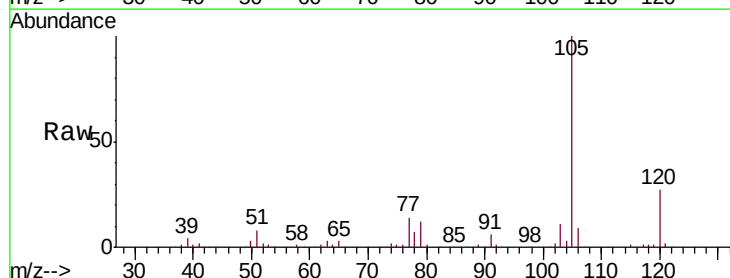
Tgt Ion:105 Resp: 152082

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

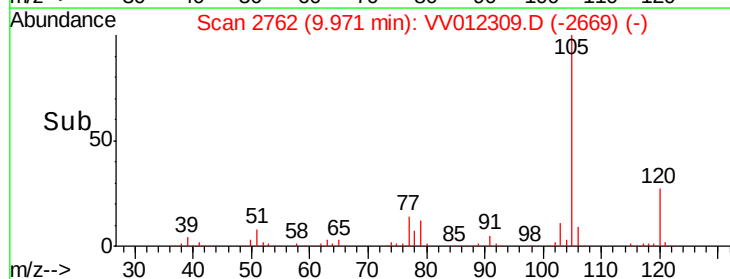
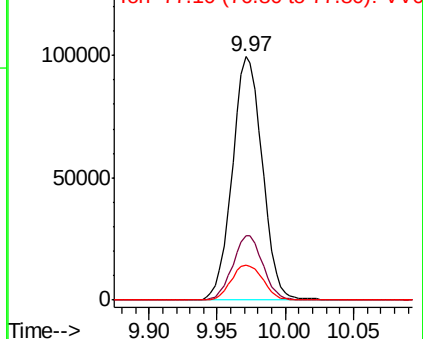
77 15.3 12.2 18.2

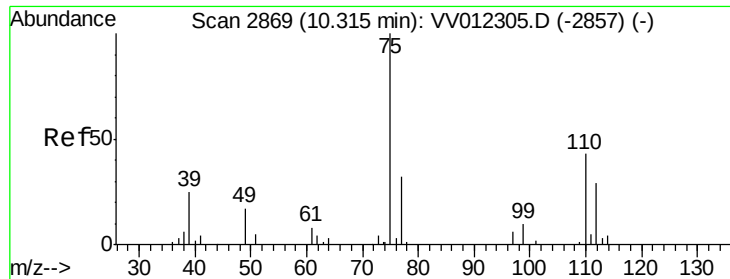


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#59

1,2,3-Trichloropropane

Concen: 0.153 ug/L

RT: 10.49 min Scan# 2922

Delta R.T. 0.17 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

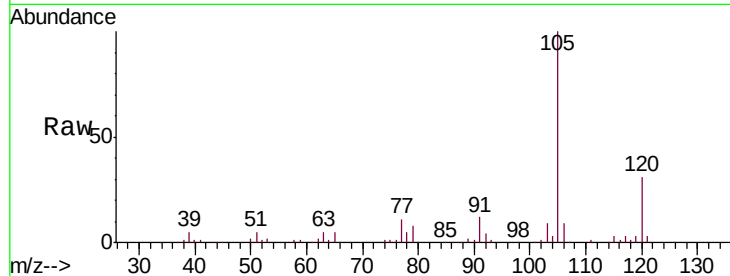
C0AB2DL

Tgt Ion: 75 Resp: 907

Ion Ratio Lower Upper

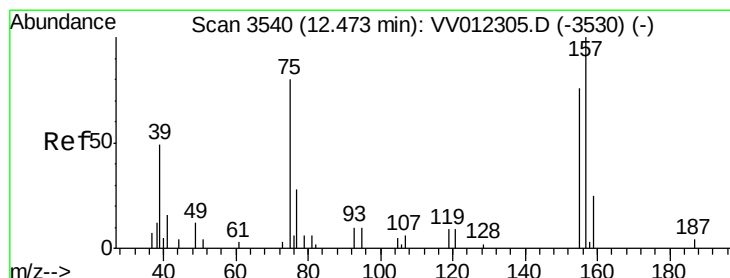
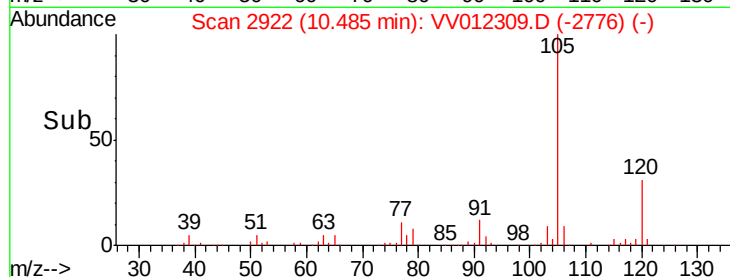
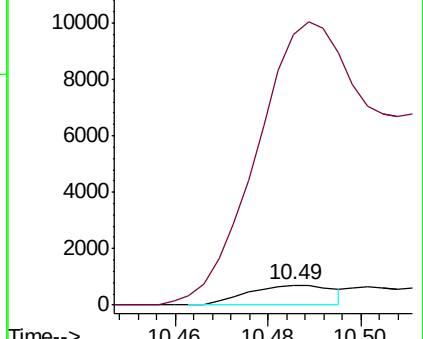
75 100

77 2659.4 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 4.323 ug/L

RT: 12.51 min Scan# 3552

Delta R.T. 0.04 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

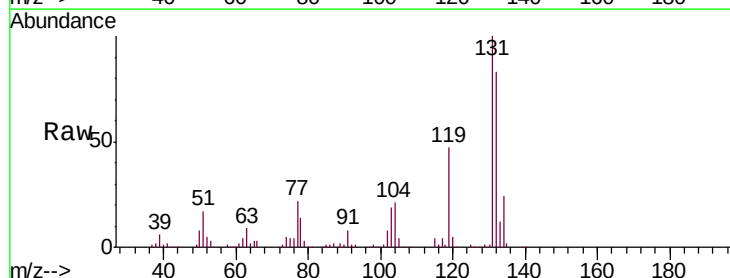
Tgt Ion: 75 Resp: 6162

Ion Ratio Lower Upper

75 100

155 0.0 68.4 102.6#

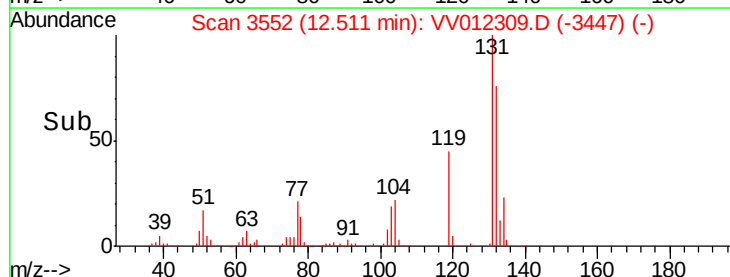
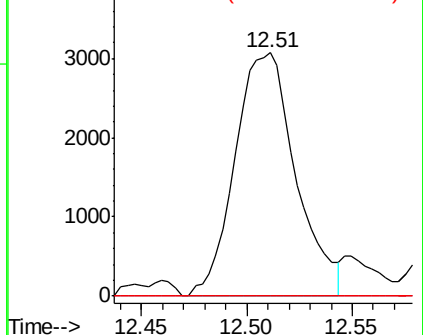
157 0.0 92.6 139.0#

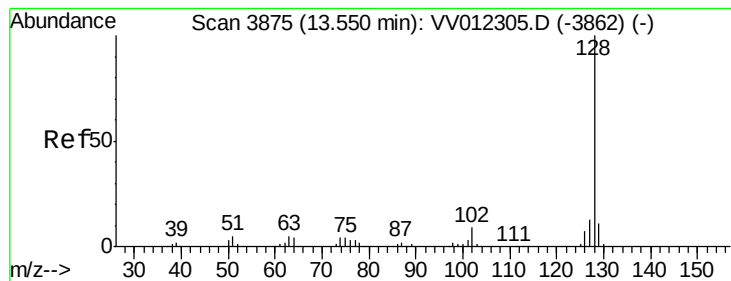


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 533.297 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012309.D

Acq: 20 Aug 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

C0AB2DL

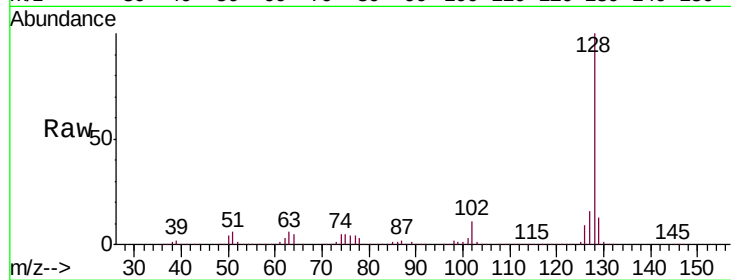
Tgt Ion:128 Resp:13079600

Ion Ratio Lower Upper

128 100

129 12.4 8.7 13.1

127 14.7 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

