

Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AB2

Quant Time: Aug 20 02:39:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164458	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	155503	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	89386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37986	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	29944	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.13	63	57915	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.96	46	102470	45.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.46%
24) Chloroform-d	4.40	84	99211	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.08	65	51077	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.10	84	195963	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	55480	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	183982	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.66	79	22299	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	91645	58.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42515	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	75794	4.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	919	0.089 ug/L	98
8) Chloroethane	1.63	64	1510	0.280 ug/L #	41
13) Acetone	2.22	43	6903	5.825 ug/L	75
14) Carbon disulfide	2.42	76	5649	0.270 ug/L	99
15) Methyl Acetate	2.46	43	3149	1.340 ug/L	92
27) 1,2-Dichloroethane	5.14	62	31956	2.365 ug/L #	74
30) Cyclohexane	4.72	56	2245	0.144 ug/L #	61
33) Benzene	5.14	78	3416469	79.429 ug/L	100
35) Methylcyclohexane	6.18	83	5307	0.281 ug/L	96
37) 1,2-Dichloropropane	6.12	63	6449	0.641 ug/L #	81
39) cis-1,3-Dichloropropene	7.03	75	1461	0.091 ug/L #	59
42) Toluene	7.43	91	4088454	85.876 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	1014	0.079 ug/L	94
45) 1,1,2-Trichloroethane	7.83	97	807	0.105 ug/L #	17
52) Ethylbenzene	9.05	91	6589539	123.706 ug/L	97
53) m,p-xylene	9.18	106	2444236	117.538 ug/L	98
54) o-xylene	9.59	106	1202933	60.144 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

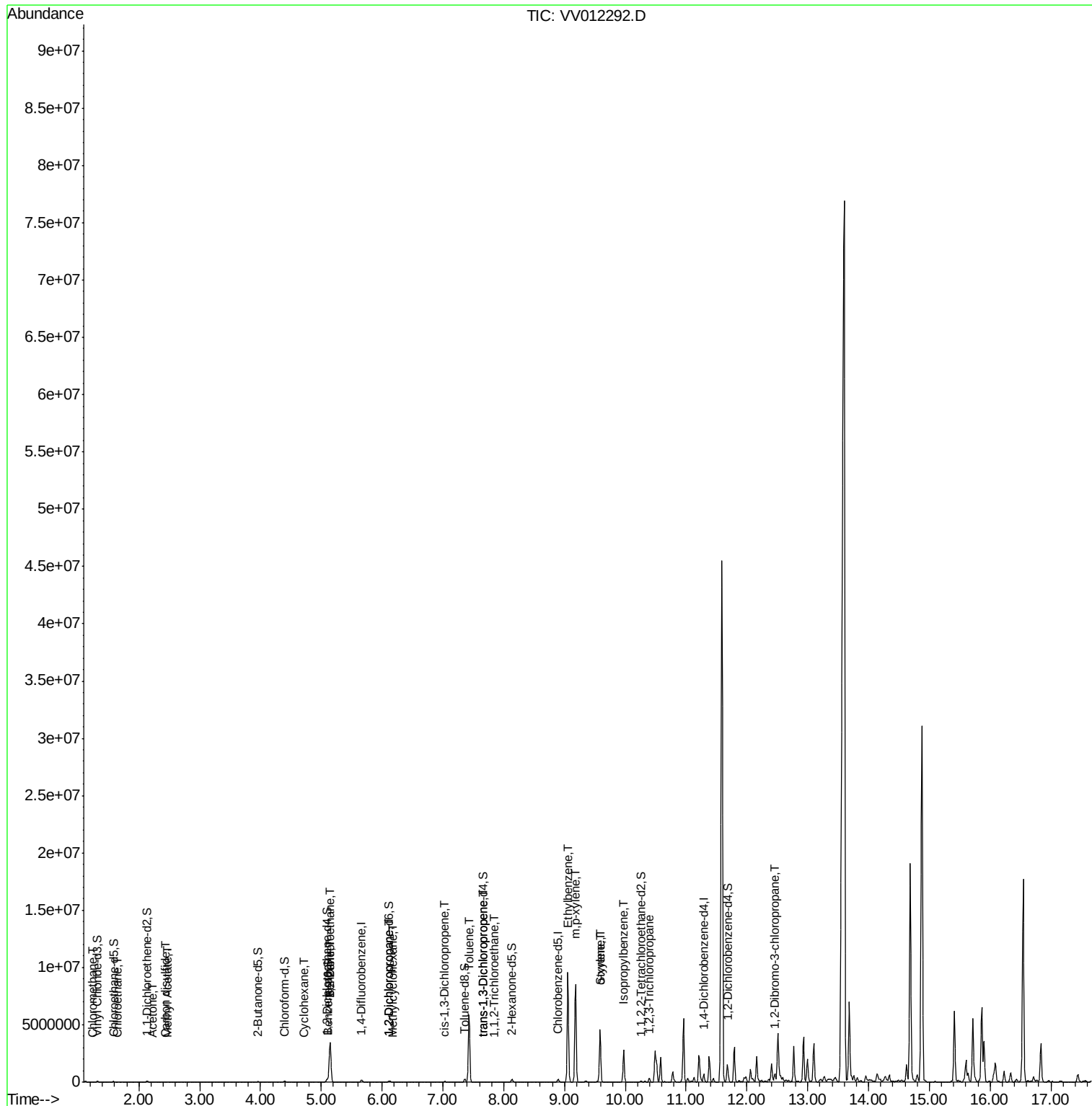
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.59	104	111563	3.302	ug/L #	1
56) Isopropylbenzene	9.97	105	1845335	33.426	ug/L	100
59) 1,2,3-Trichloropropane	10.39	75	1690	0.271	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.46	75	2333	1.608	ug/L #	1

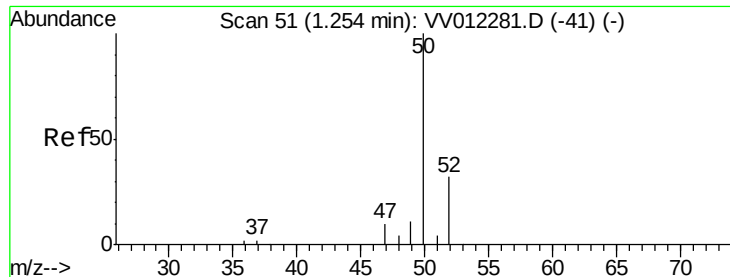
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.089 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampleId :

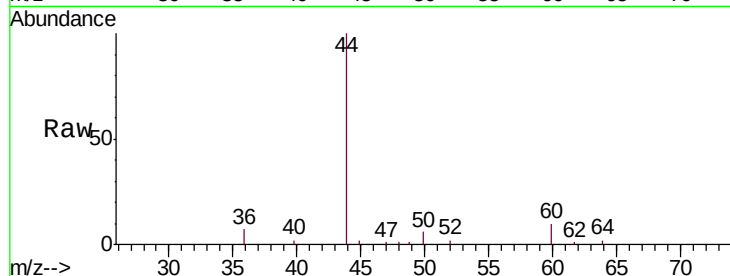
C0AB2

Tgt Ion: 50 Resp: 919

Ion Ratio Lower Upper

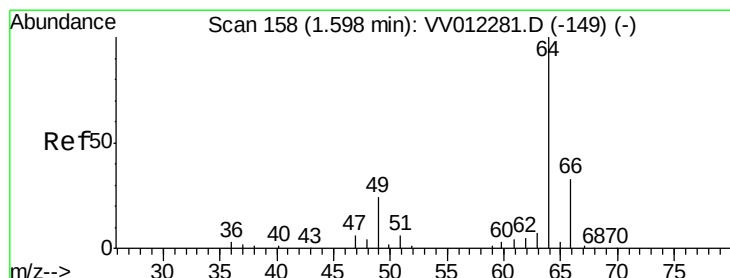
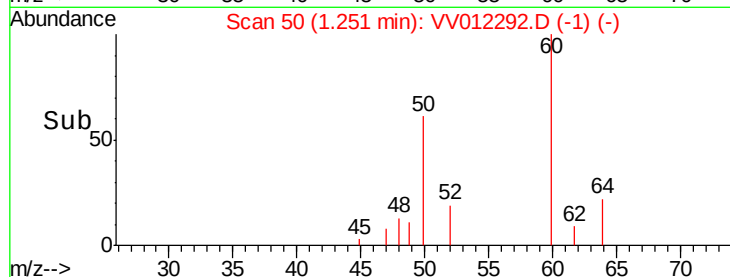
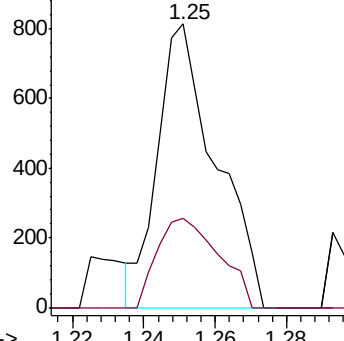
50 100

52 31.2 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.280 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VV012292.D

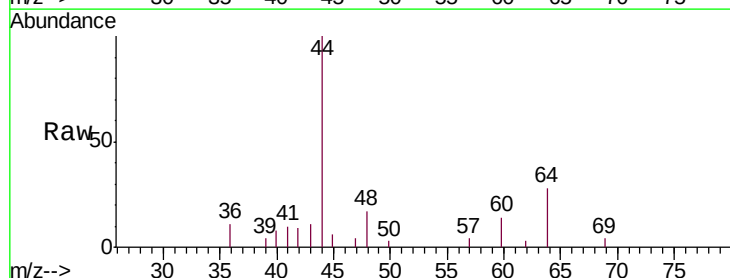
Acq: 19 Aug 2019 22:14

Tgt Ion: 64 Resp: 1510

Ion Ratio Lower Upper

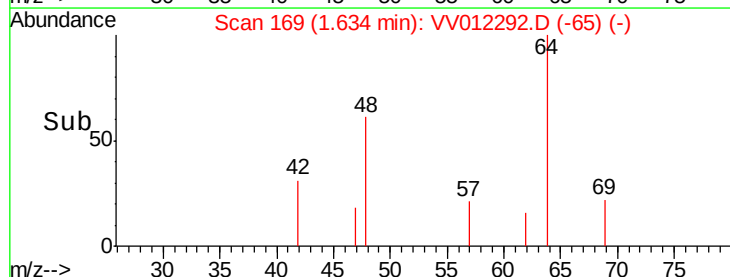
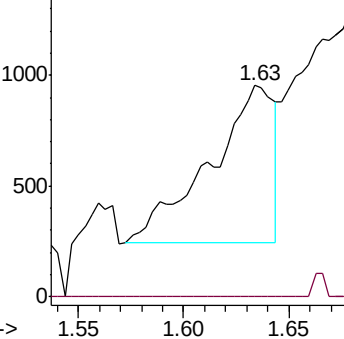
64 100

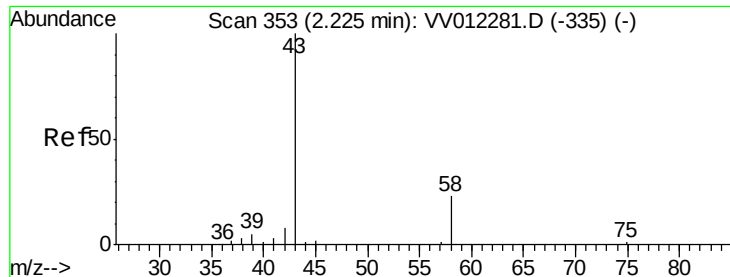
66 0.0 23.7 44.1#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 5.825 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampled :

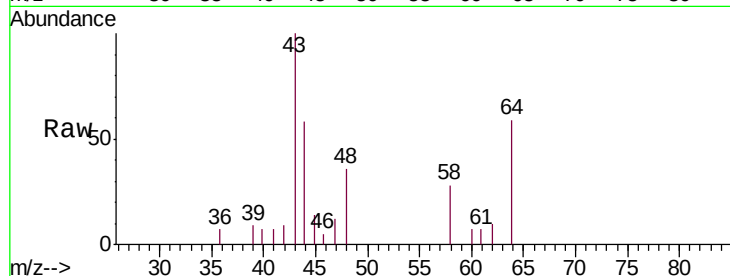
C0AB2

Tgt Ion: 43 Resp: 6903

Ion Ratio Lower Upper

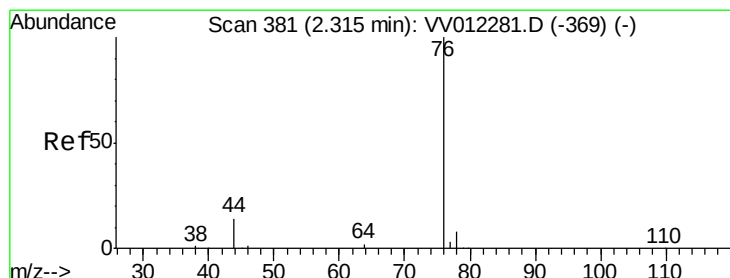
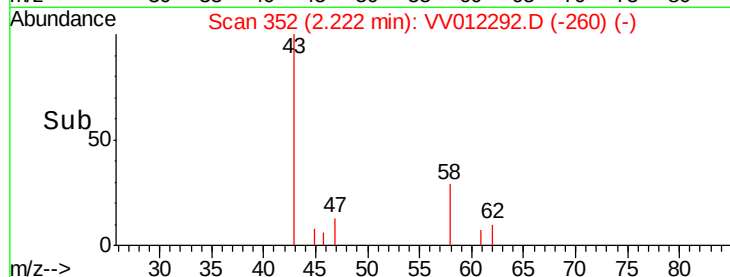
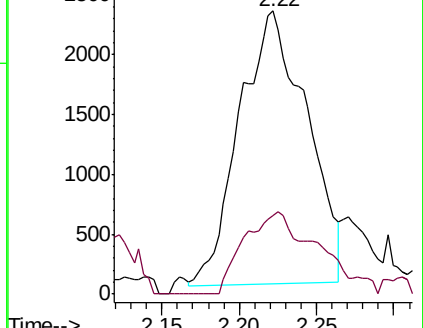
43 100

58 22.9 0.0 25.6



Abundance Ion 43.05 (42.75 to 43.75): VV012281.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012281.D (-335) (-)



#14

Carbon disulfide

Concen: 0.270 ug/L

RT: 2.42 min Scan# 415

Delta R.T. 0.11 min

Lab File: VV012292.D

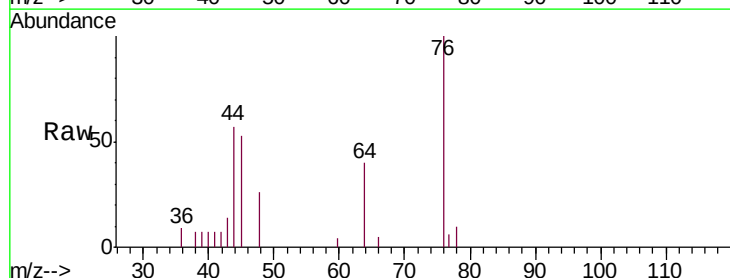
Acq: 19 Aug 2019 22:14

Tgt Ion: 76 Resp: 5649

Ion Ratio Lower Upper

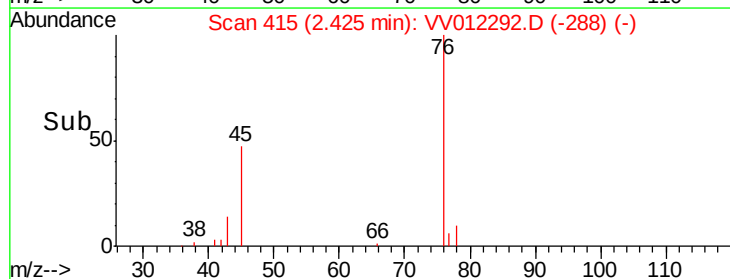
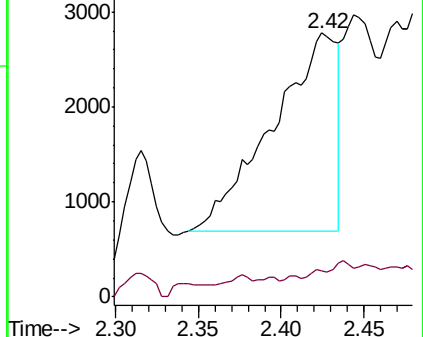
76 100

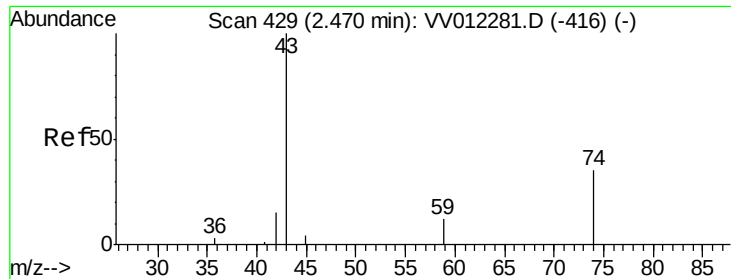
78 10.0 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV012292.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV012292.D (-288) (-)

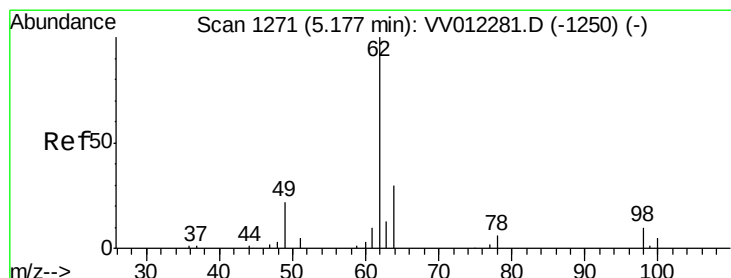
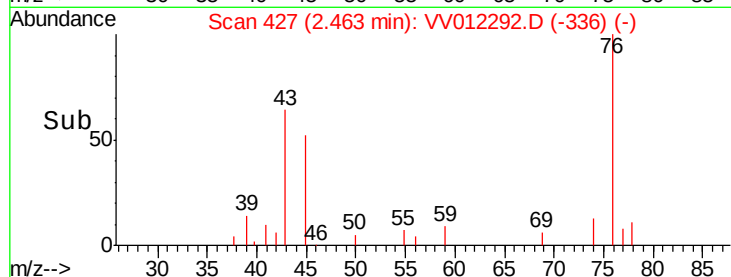
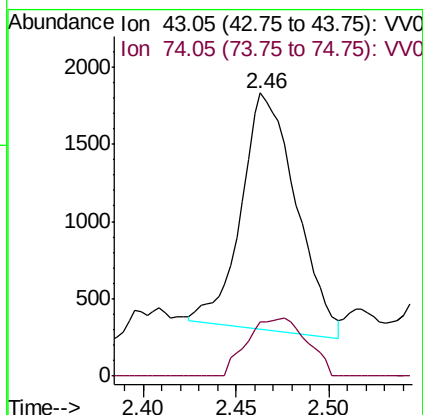
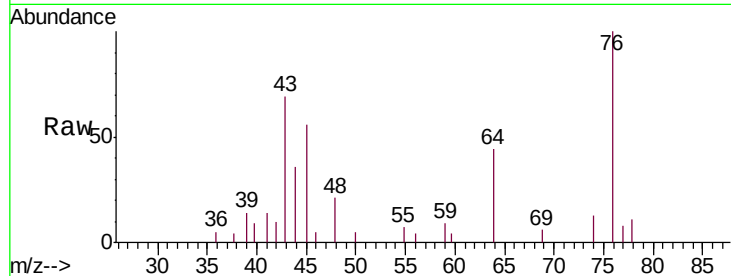




#15
Methyl Acetate
Concen: 1.340 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

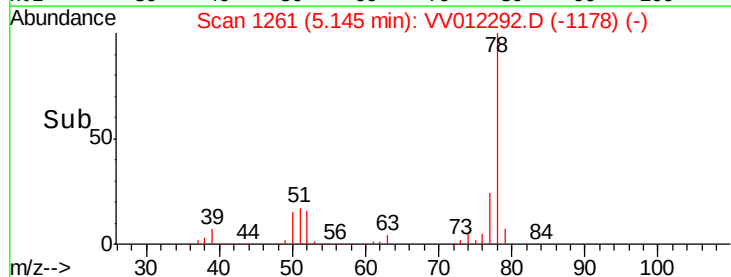
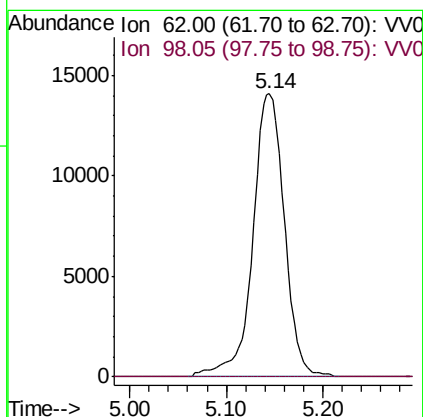
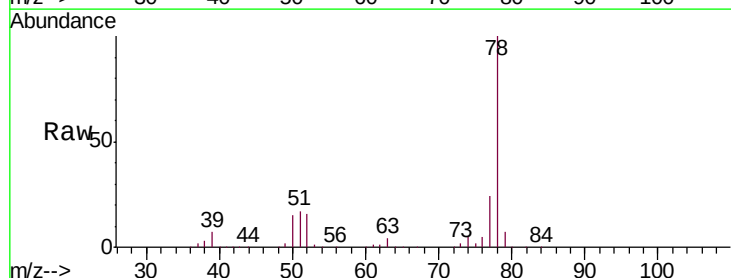
Instrument :
MSVOA_V
ClientSampleId :
C0AB2

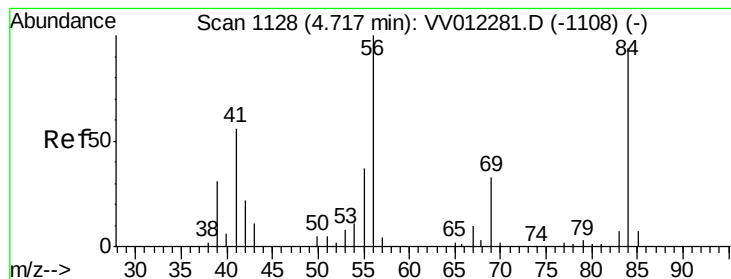
Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
74 26.7 24.9 37.3



#27
1,2-Dichloroethane
Concen: 2.365 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

Tgt Ion: 62 Resp: 31956
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#30

Cyclohexane

Concen: 0.144 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampled :

C0AB2

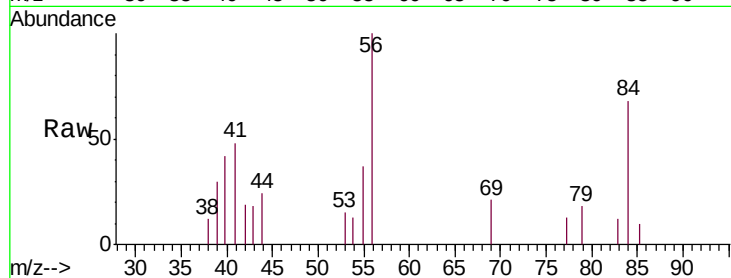
Tgt Ion: 56 Resp: 2245

Ion Ratio Lower Upper

56 100

69 25.1 25.3 37.9#

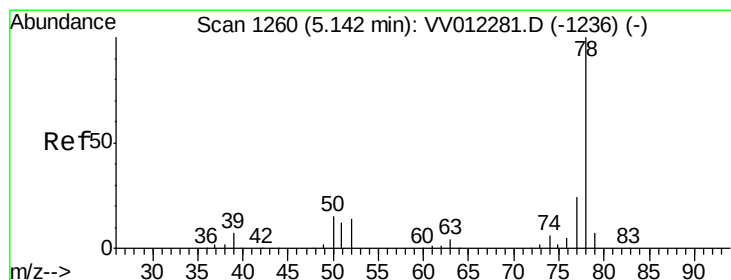
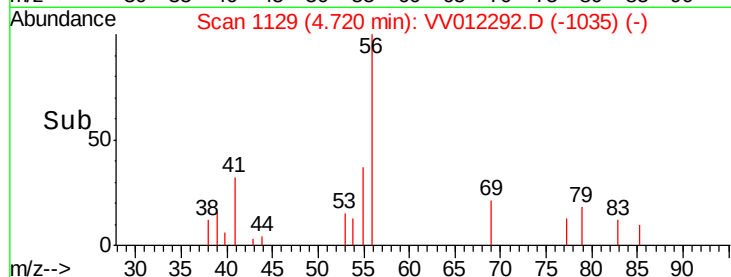
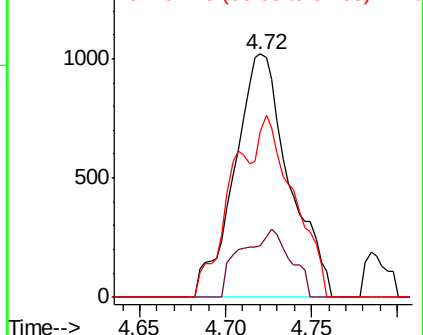
84 52.1 79.9 119.9#



Abundance Ion 56.10 (55.80 to 56.80): VV012292.D (-1035) (-)

Ion 69.15 (68.85 to 69.85): VV012292.D (-1035) (-)

Ion 84.15 (83.85 to 84.85): VV012292.D (-1035) (-)



#33

Benzene

Concen: 79.429 ug/L

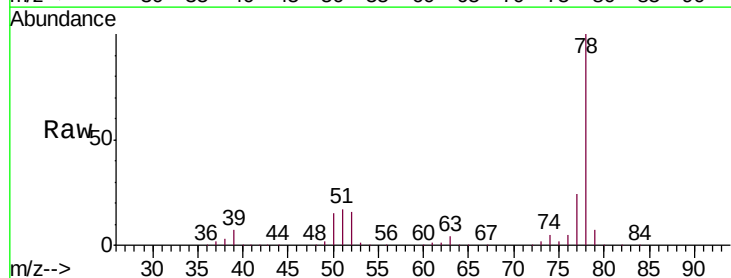
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

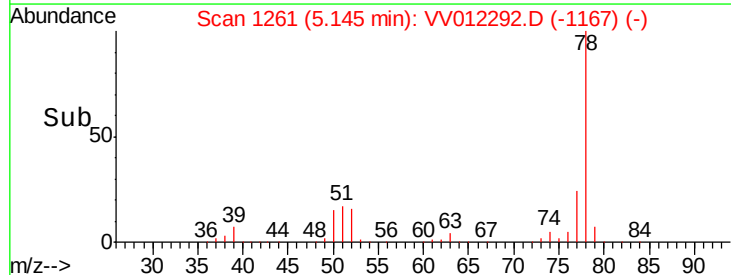
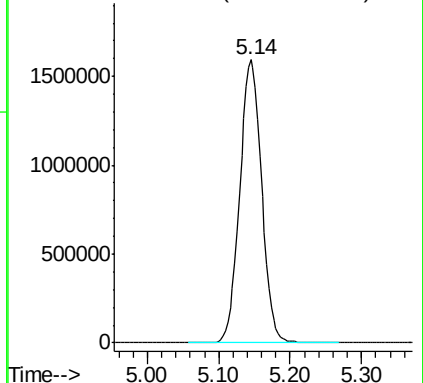
Lab File: VV012292.D

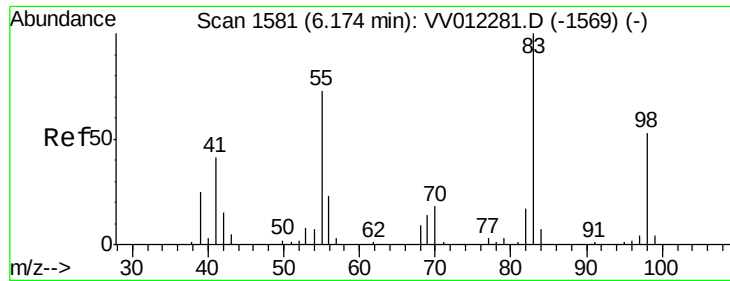
Acq: 19 Aug 2019 22:14

Tgt Ion: 78 Resp: 3416469



Abundance Ion 78.10 (77.80 to 78.80): VV012292.D (-1167) (-)

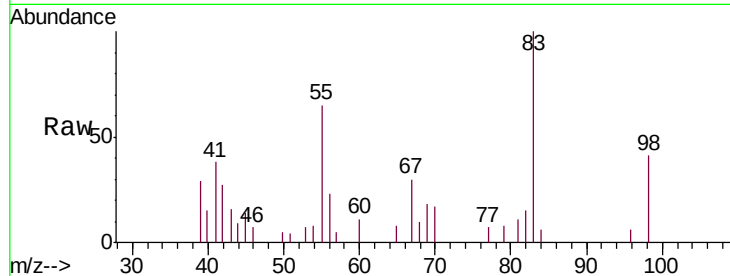




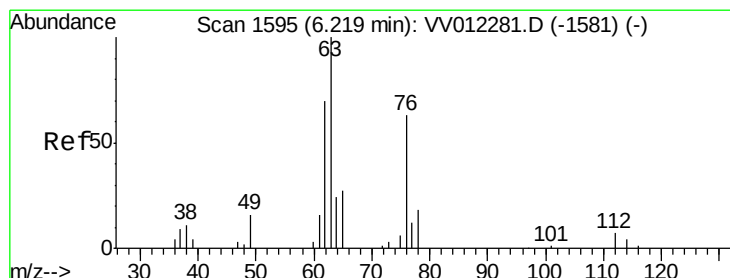
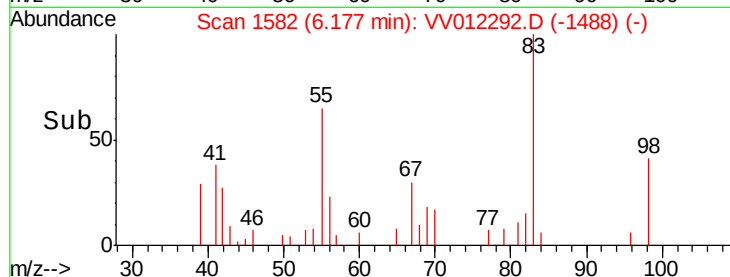
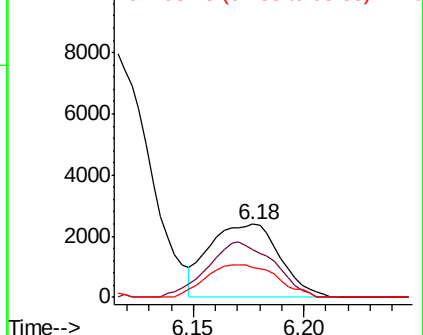
#35
Methylcyclohexane
Concen: 0.281 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

Instrument :
MSVOA_V
ClientSampleId :
C0AB2

Tgt Ion: 83 Resp: 5307
Ion Ratio Lower Upper
83 100
55 70.8 57.3 85.9
98 45.2 40.3 60.5

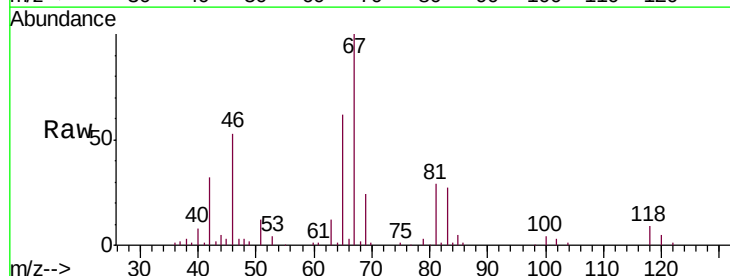


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

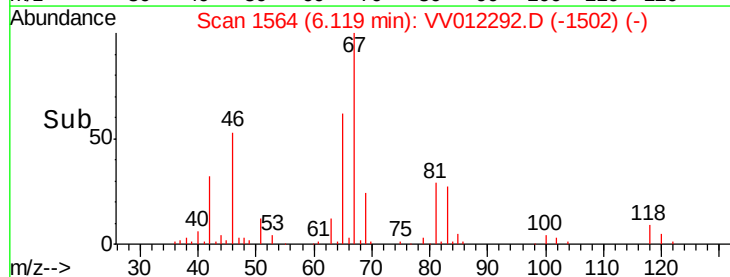
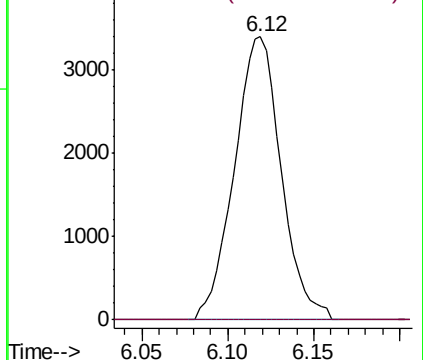


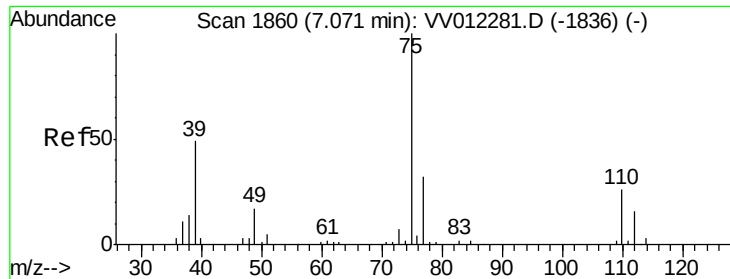
#37
1,2-Dichloropropane
Concen: 0.641 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

Tgt Ion: 63 Resp: 6449
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

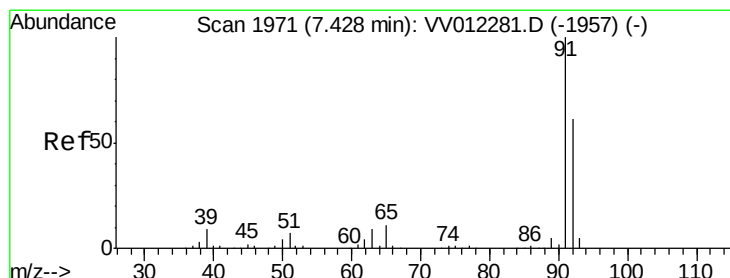
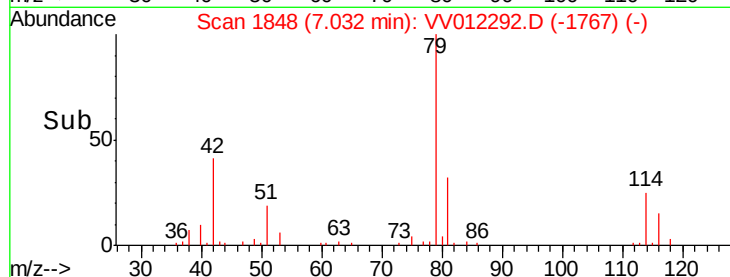
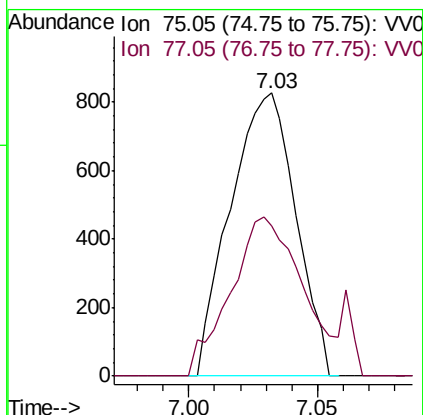
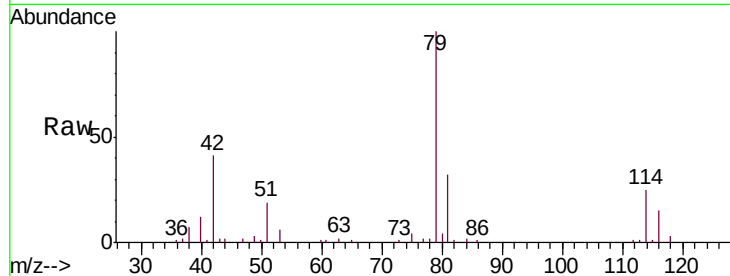




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV012292.D
 Acq: 19 Aug 2019 22:14

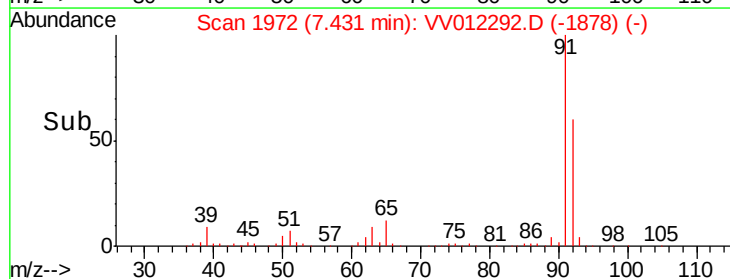
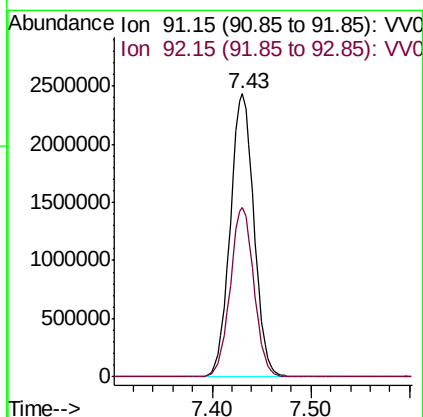
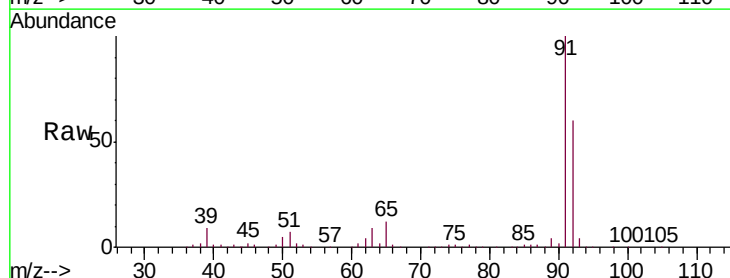
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB2

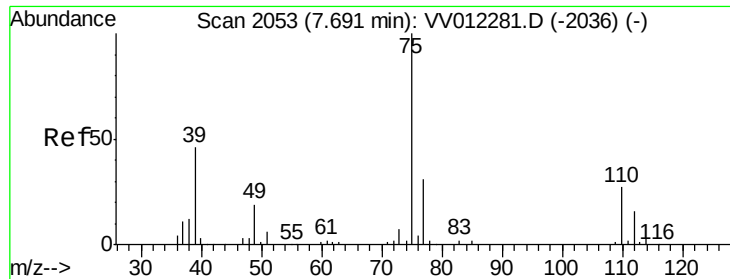
Tgt Ion: 75 Resp: 1461
 Ion Ratio Lower Upper
 75 100
 77 53.0 21.5 39.9#



#42
 Toluene
 Concen: 85.876 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012292.D
 Acq: 19 Aug 2019 22:14

Tgt Ion: 91 Resp: 4088454
 Ion Ratio Lower Upper
 91 100
 92 60.1 41.6 77.3





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampleId :

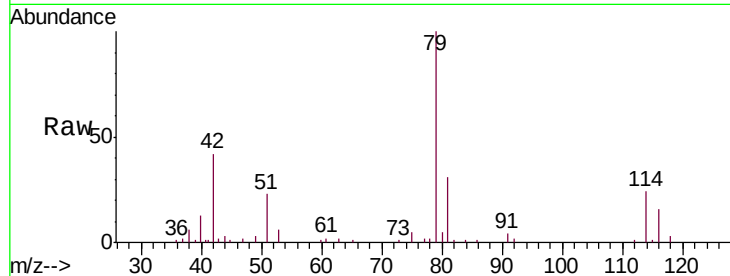
C0AB2

Tgt Ion: 75 Resp: 1014

Ion Ratio Lower Upper

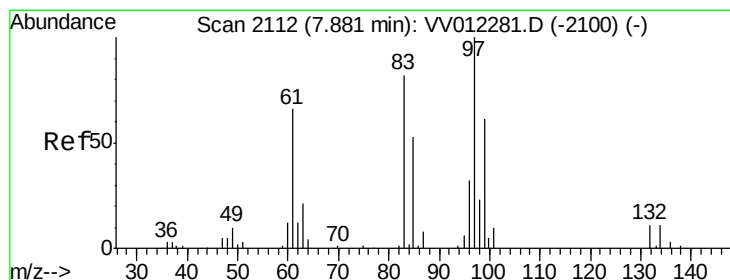
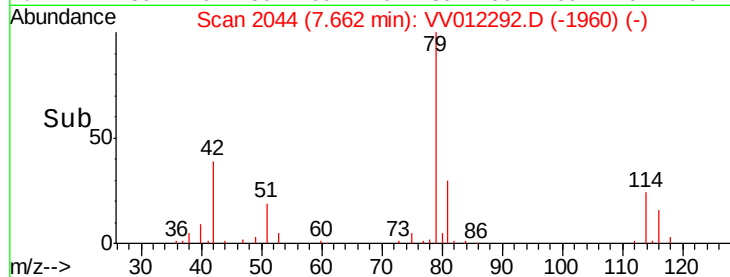
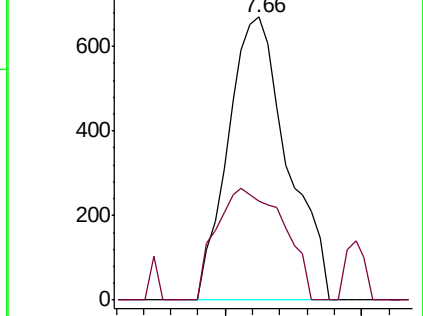
75 100

77 35.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.105 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.05 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Tgt Ion: 97 Resp: 807

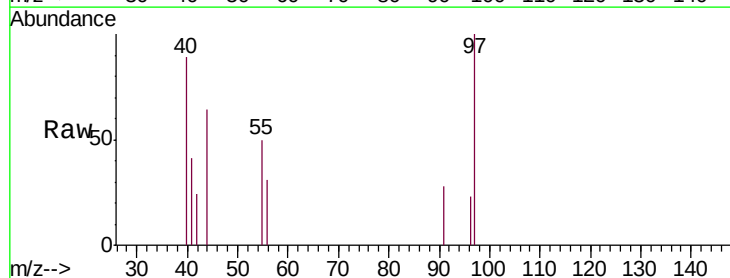
Ion Ratio Lower Upper

97 100

99 0.0 44.7 83.1#

83 0.0 56.8 105.6#

85 0.0 34.5 64.1#

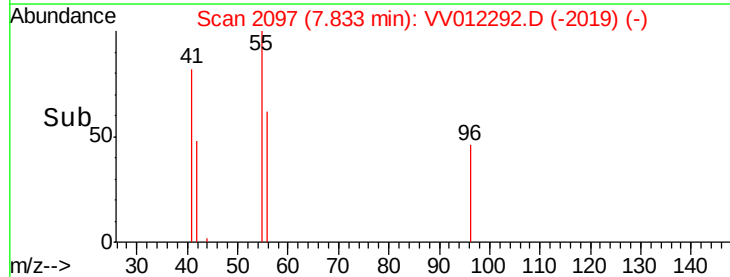
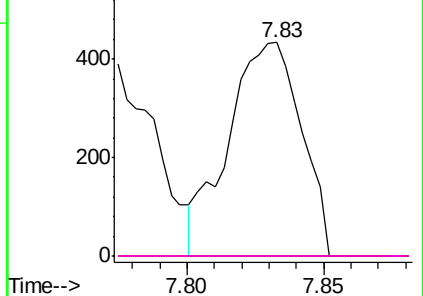


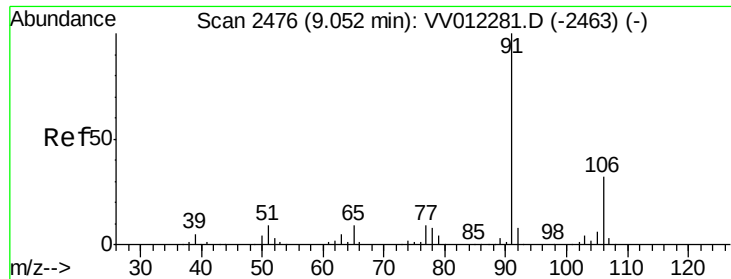
Abundance Ion 96.95 (96.65 to 97.65): VV0

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

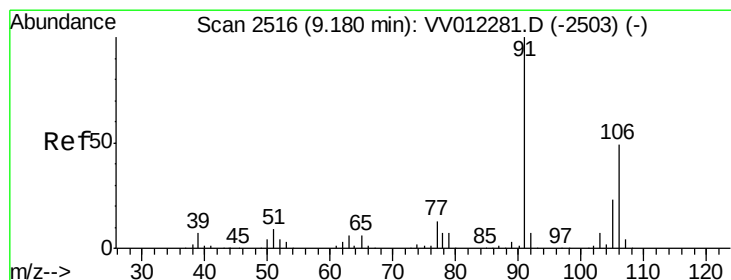
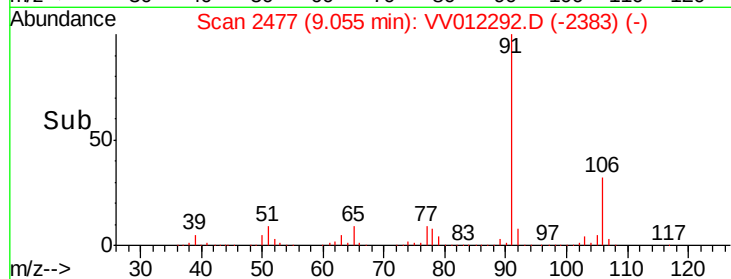
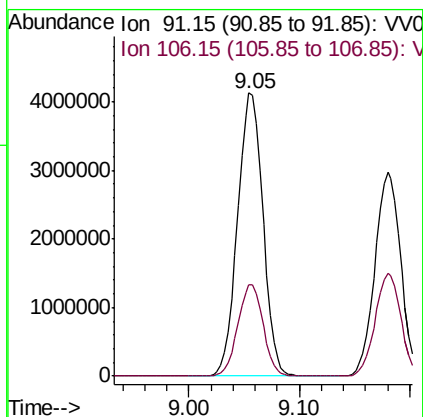
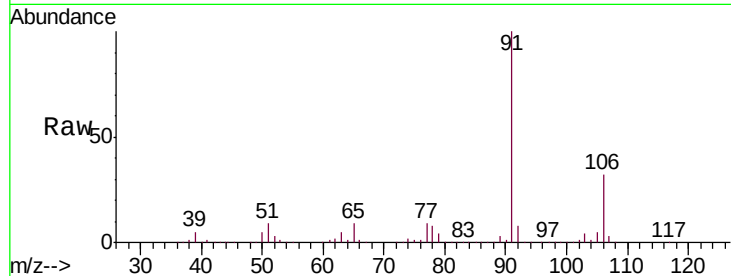




#52
Ethylbenzene
Concen: 123.706 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

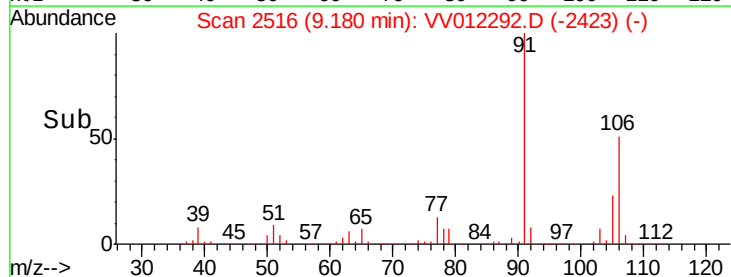
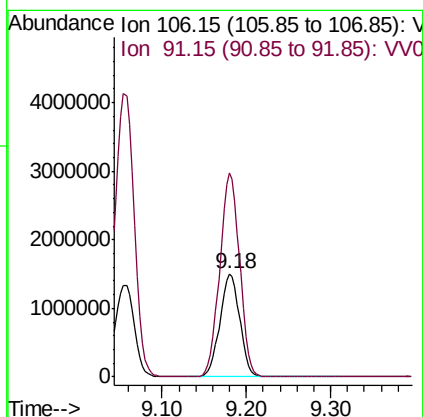
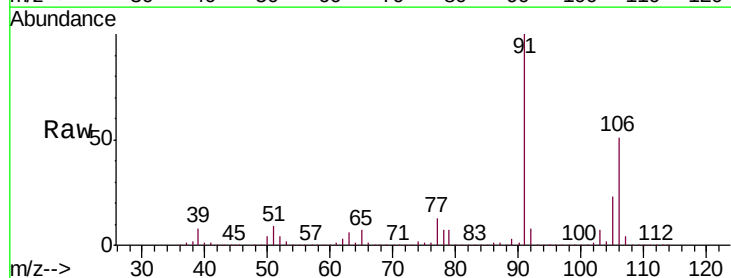
Instrument :
MSVOA_V
ClientSampleId :
C0AB2

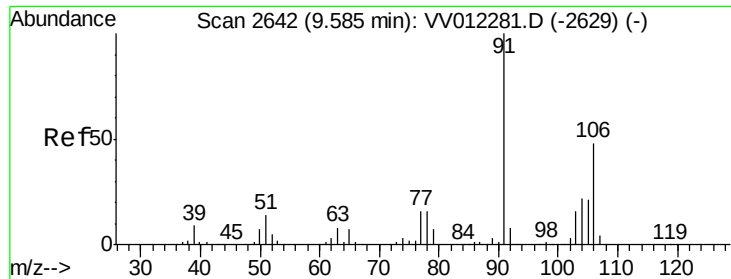
Tgt Ion: 91 Resp: 6589539
Ion Ratio Lower Upper
91 100
106 32.4 21.6 40.0



#53
m,p-xylene
Concen: 117.538 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012292.D
Acq: 19 Aug 2019 22:14

Tgt Ion: 106 Resp: 2444236
Ion Ratio Lower Upper
106 100
91 197.7 136.0 252.6





#54

o-xylene

Concen: 60.144 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampled :

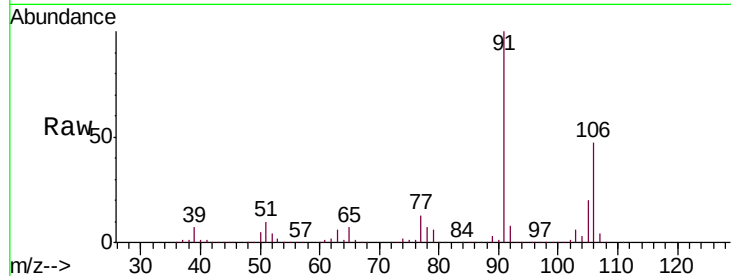
C0AB2

Tgt Ion:106 Resp: 1202933

Ion Ratio Lower Upper

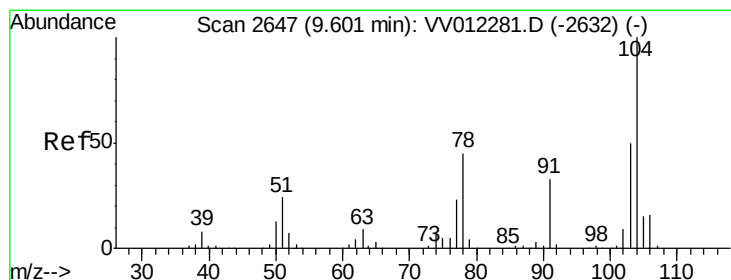
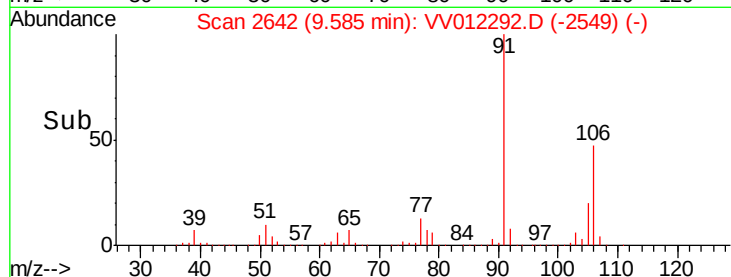
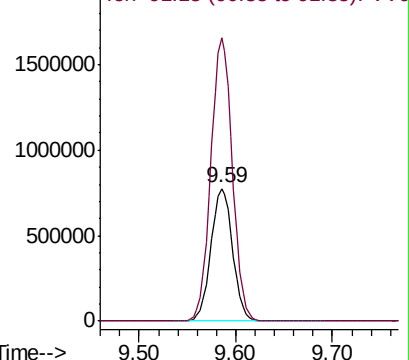
106 100

91 212.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 3.302 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.01 min

Lab File: VV012292.D

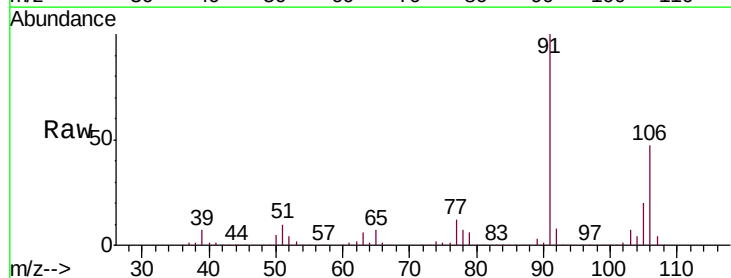
Acq: 19 Aug 2019 22:14

Tgt Ion:104 Resp: 111563

Ion Ratio Lower Upper

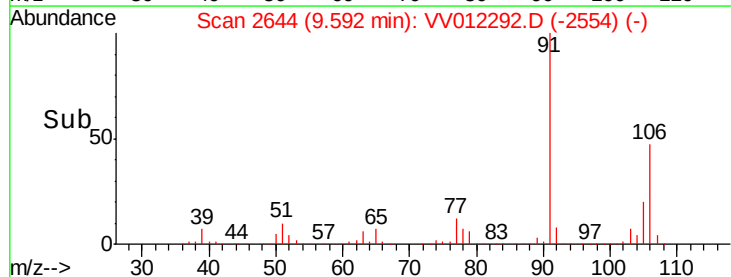
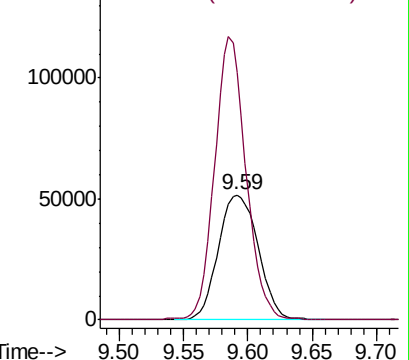
104 100

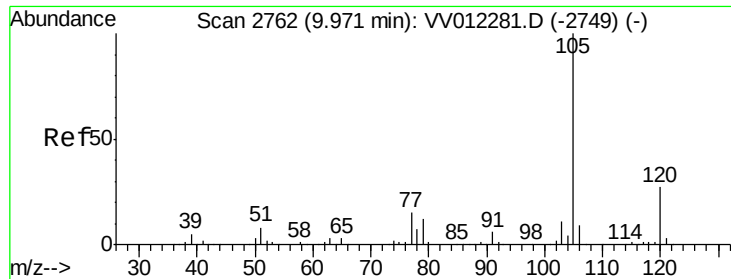
78 198.0 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 33.426 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampleId :

C0AB2

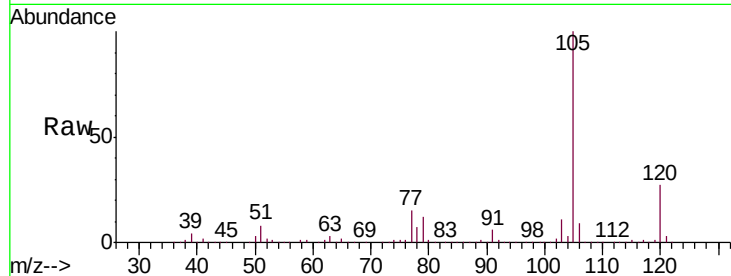
Tgt Ion:105 Resp: 1845335

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

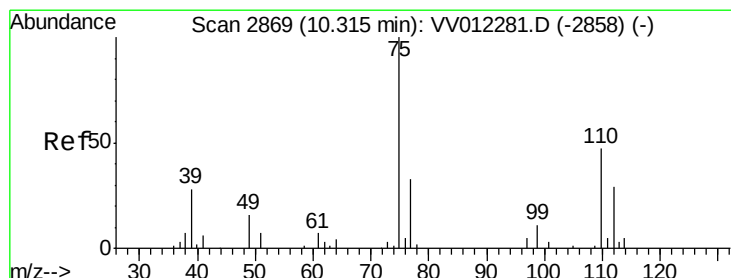
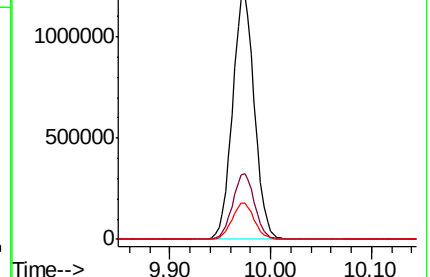
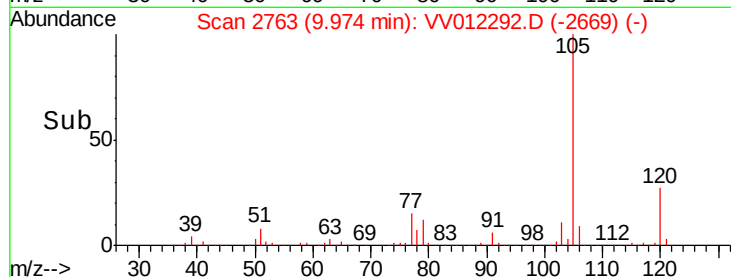
77 15.1 12.2 18.2



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): V



#59

1,2,3-Trichloropropane

Concen: 0.271 ug/L

RT: 10.39 min Scan# 2893

Delta R.T. 0.08 min

Lab File: VV012292.D

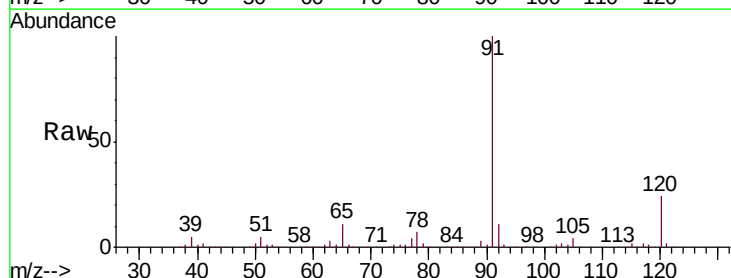
Acq: 19 Aug 2019 22:14

Tgt Ion: 75 Resp: 1690

Ion Ratio Lower Upper

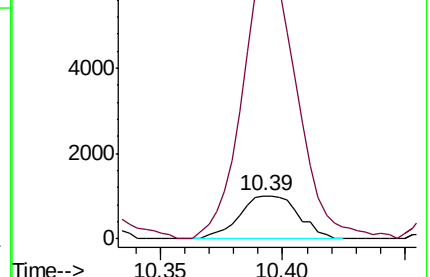
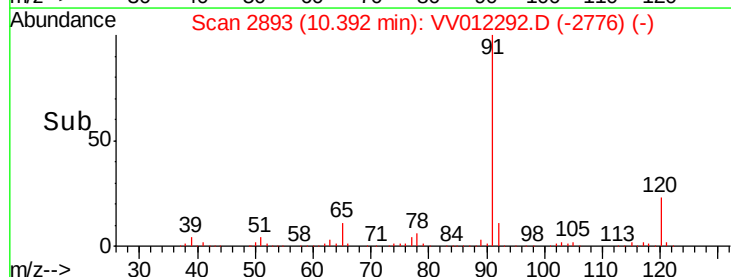
75 100

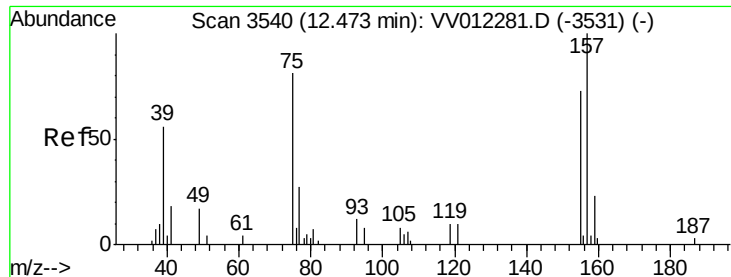
77 599.4 25.8 38.8#



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: 1.608 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. -0.02 min

Lab File: VV012292.D

Acq: 19 Aug 2019 22:14

Instrument :

MSVOA_V

ClientSampleId :

C0AB2

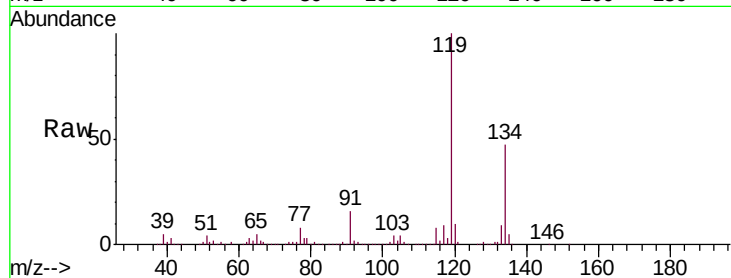
Tgt Ion: 75 Resp: 2333

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

