

Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D04DL

Quant Time: Nov 07 12:53:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 07 12:50:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	584498	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	472736	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	186993	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	189620	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	2.63	69	209421	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	3.60	63	388450	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	6.59	46	245690	58.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.00%
24) Chloroform-d	7.20	84	377353	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	7.89	65	159374	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	7.85	84	735025	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	8.89	67	198290	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	9.97	98	636175	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.23	79	45169	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	10.59	63	171885	57.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78196	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	162277	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

						Qvalue
13) Acetone	3.70	43	12599	2.902	ug/L	76
15) Methyl Acetate	3.95	43	8680	0.765	ug/L #	52
17) Methyl tert-butyl Ether	4.88	73	7137	0.138	ug/L #	1
22) cis-1,2-Dichloroethene	6.67	96	12410	0.305	ug/L #	95
25) Chloroform	7.23	83	16477	0.209	ug/L	83
27) 1,2-Dichloroethane	7.85	62	4948	0.128	ug/L	97
30) Cyclohexane	7.52	56	94679	1.460	ug/L	99
33) Benzene	7.91	78	135042	0.761	ug/L	100
35) Methylcyclohexane	8.95	83	80269	1.188	ug/L	91
44) trans-1,3-Dichloropropene	10.23	75	2890	0.097	ug/L	87
45) 1,1,2-Trichloroethane	10.40	97	2993	0.190	ug/L #	27
48) 2-Hexanone	10.59	43	28458	3.812	ug/L #	68
51) Chlorobenzene	11.32	112	690651	6.664	ug/L	96
52) Ethylbenzene	11.39	91	977282	4.539	ug/L	100
53) m,p-Xylene	11.50	106	473201	6.033	ug/L	98
54) o-Xylene	11.83	106	81157	1.129	ug/L	94
56) Isopropylbenzene	12.13	105	70078	0.351	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 07 12:50:17 2018
Response via : Initial Calibration

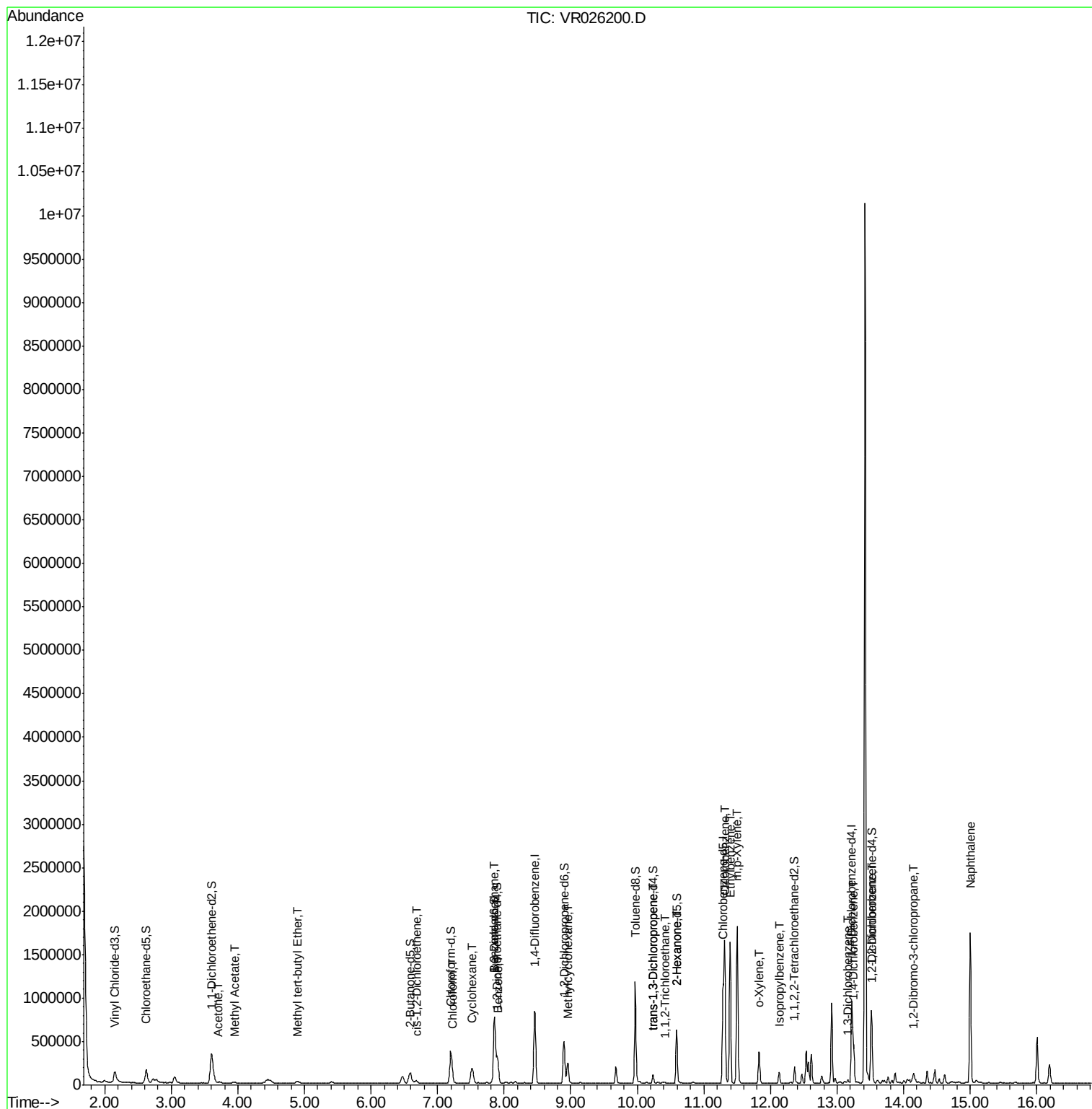
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3-Dichlorobenzene	13.16	146	7066	0.114	ug/L	87
63) 1,4-Dichlorobenzene	13.24	146	25895	0.403	ug/L	91
65) 1,2-Dichlorobenzene	13.53	146	75917	1.523	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	4375	2.154	ug/L #	40
69) Naphthalene	15.00	128	1078095	50.253	ug/L	99

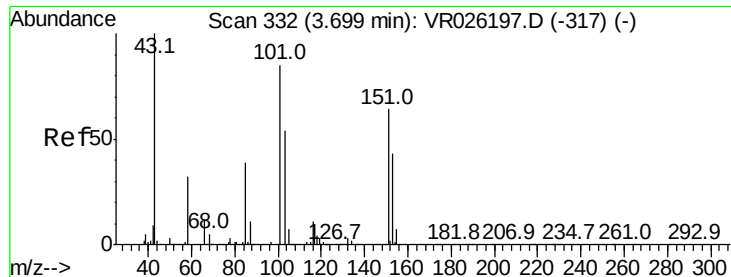
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.902 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampled :

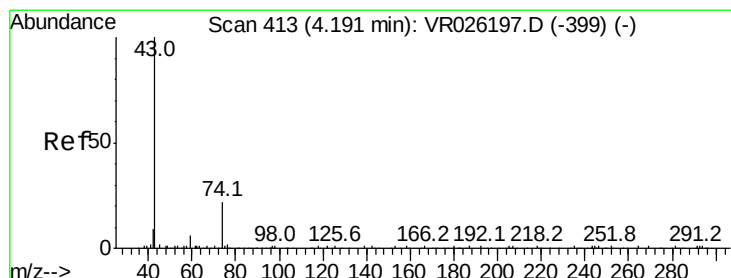
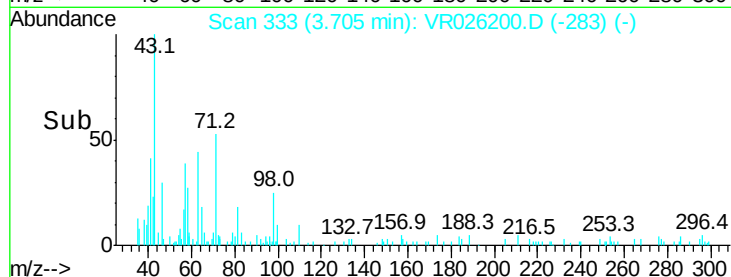
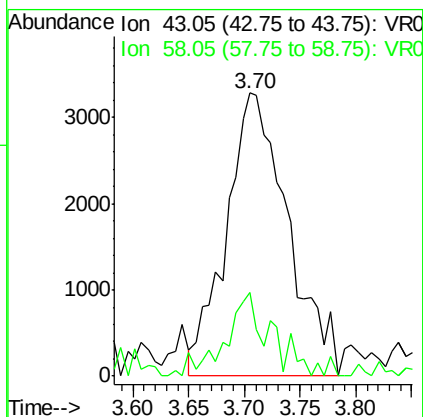
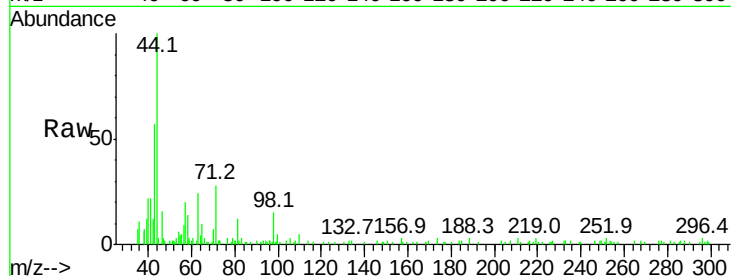
F9D04DL

Tgt Ion: 43 Resp: 12599

Ion Ratio Lower Upper

43 100

58 15.2 0.0 55.4



#15

Methyl Acetate

Concen: 0.765 ug/L

RT: 3.95 min Scan# 373

Delta R.T. -0.24 min

Lab File: VR026200.D

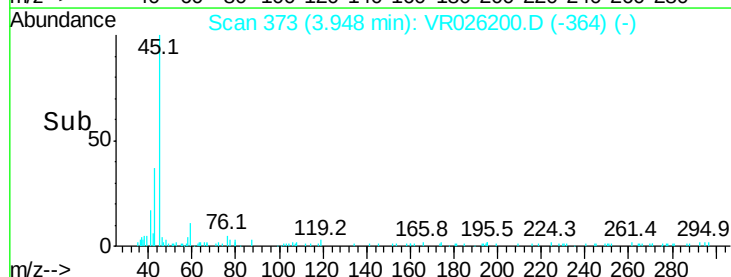
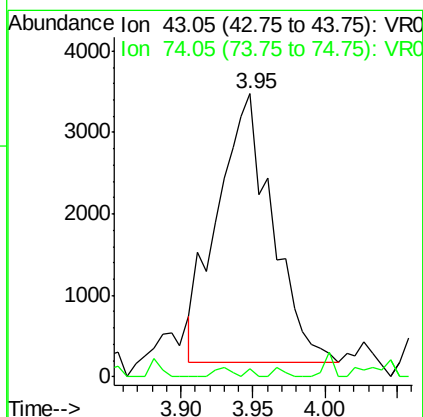
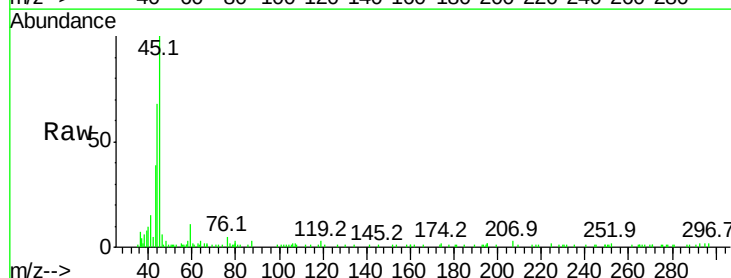
Acq: 7 Nov 2018 12:17

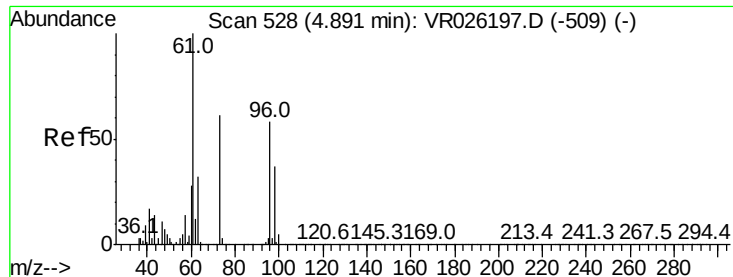
Tgt Ion: 43 Resp: 8680

Ion Ratio Lower Upper

43 100

74 0.7 19.8 29.8#



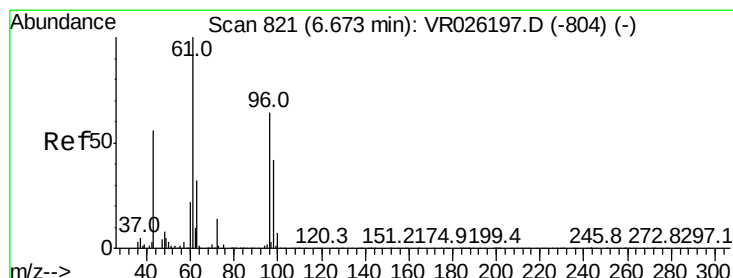
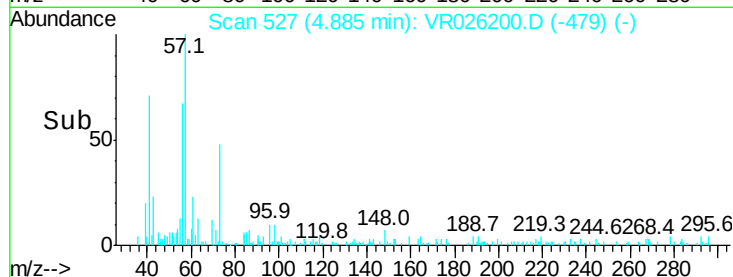
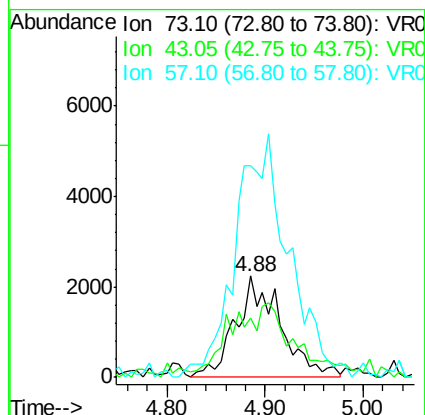
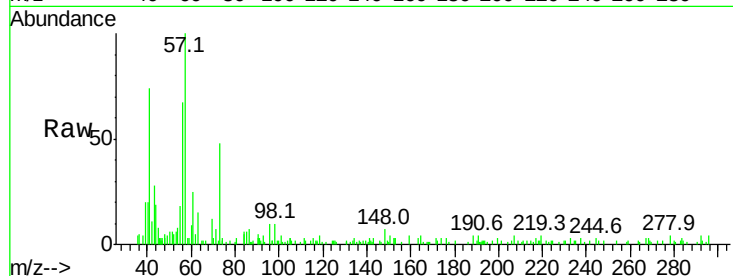


#17

Methyl tert-butyl Ether
 Concen: 0.138 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VR026200.D
 Acq: 7 Nov 2018 12:17

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D04DL

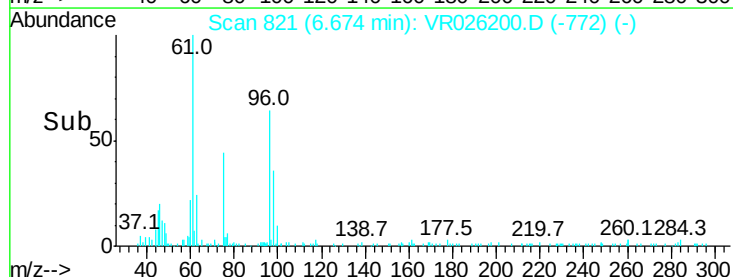
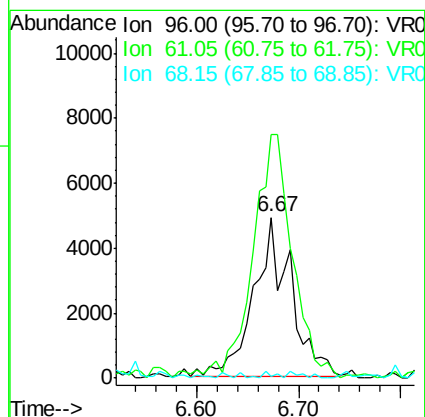
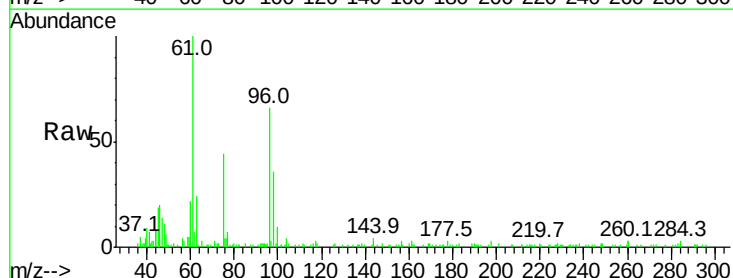
Tgt Ion: 73 Resp: 7137
 Ion Ratio Lower Upper
 73 100
 43 33.2 20.1 30.1#
 57 152.4 19.0 28.4#

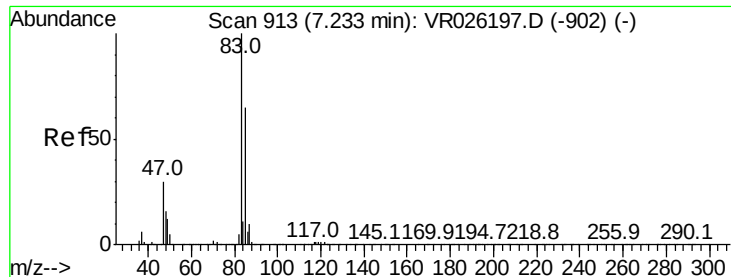


#22

cis-1,2-Dichloroethene
 Concen: 0.305 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR026200.D
 Acq: 7 Nov 2018 12:17

Tgt Ion: 96 Resp: 12410
 Ion Ratio Lower Upper
 96 100
 61 151.5 101.8 189.0
 68 1.1 0.1 0.3#





#25

Chloroform

Concen: 0.209 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampleId :

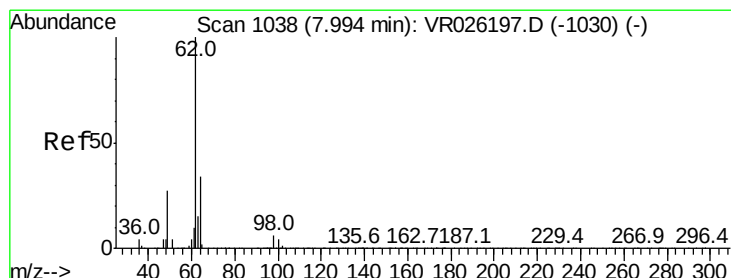
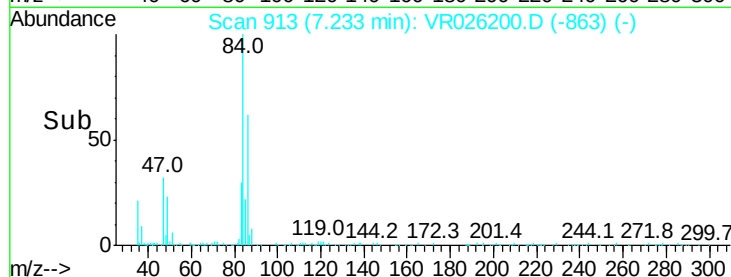
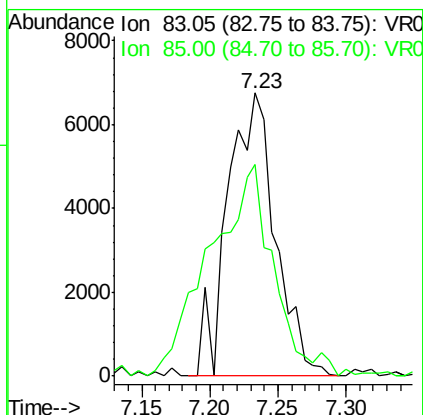
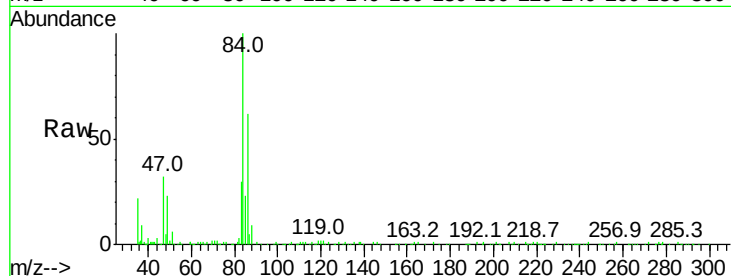
F9D04DL

Tgt Ion: 83 Resp: 16477

Ion Ratio Lower Upper

83 100

85 74.8 43.5 80.7



#27

1,2-Dichloroethane

Concen: 0.128 ug/L

RT: 7.85 min Scan# 1014

Delta R.T. -0.15 min

Lab File: VR026200.D

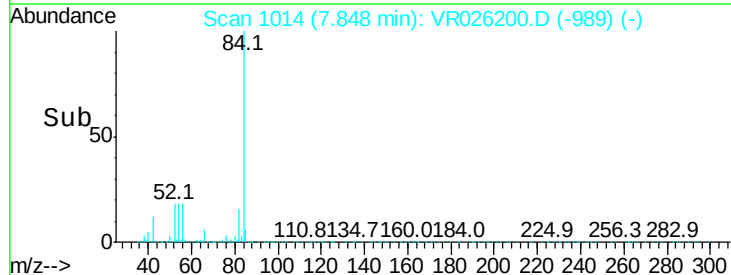
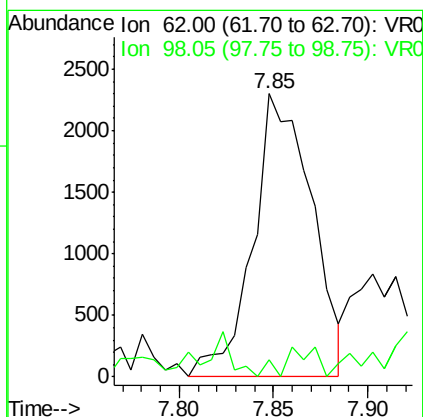
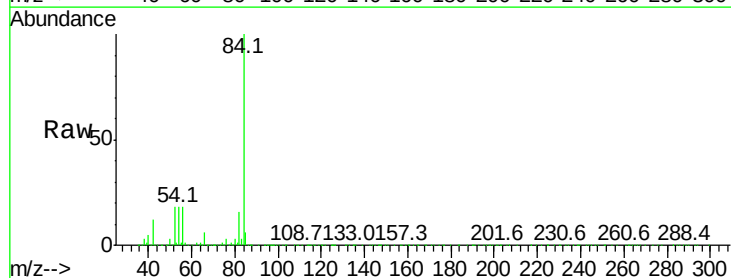
Acq: 7 Nov 2018 12:17

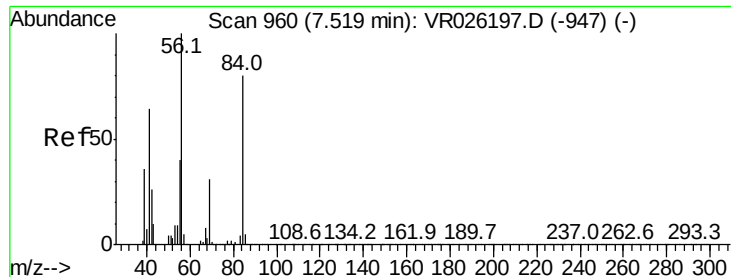
Tgt Ion: 62 Resp: 4948

Ion Ratio Lower Upper

62 100

98 6.0 5.6 8.4

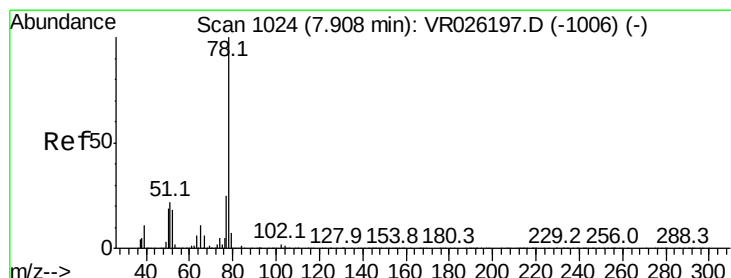
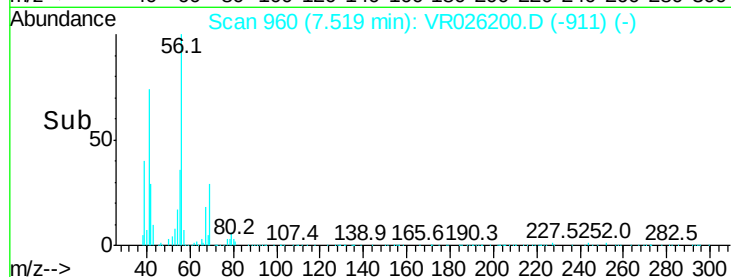
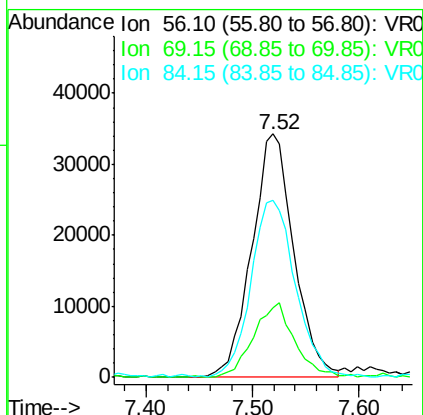
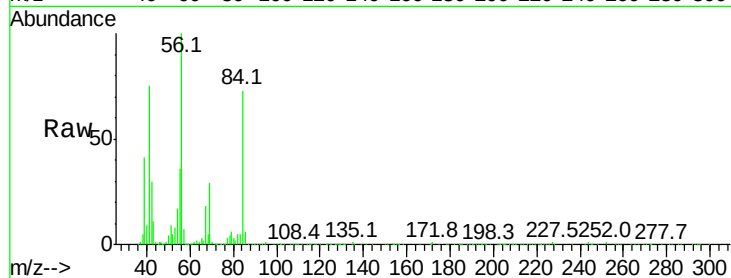




#30
Cyclohexane
Concen: 1.460 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026200.D
Acq: 7 Nov 2018 12:17

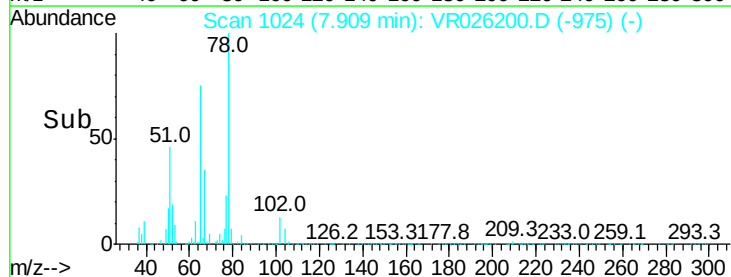
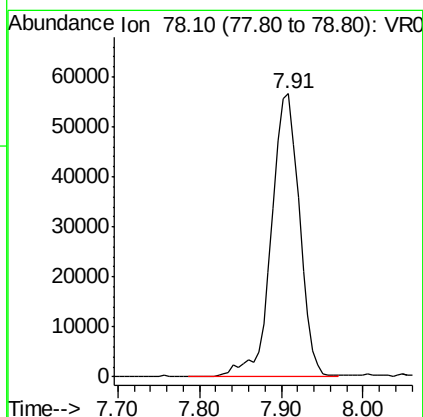
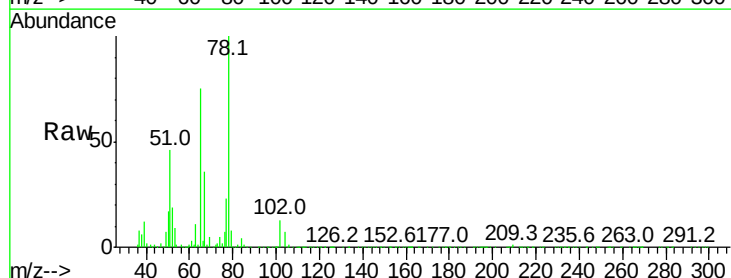
Instrument :
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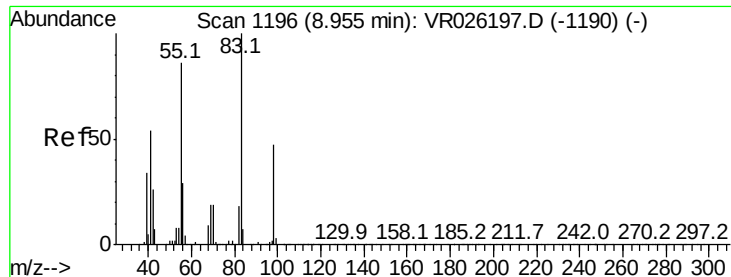
Tgt Ion: 56 Resp: 94679
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.8
84 77.3 62.2 93.4



#33
Benzene
Concen: 0.761 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026200.D
Acq: 7 Nov 2018 12:17

Tgt Ion: 78 Resp: 135042

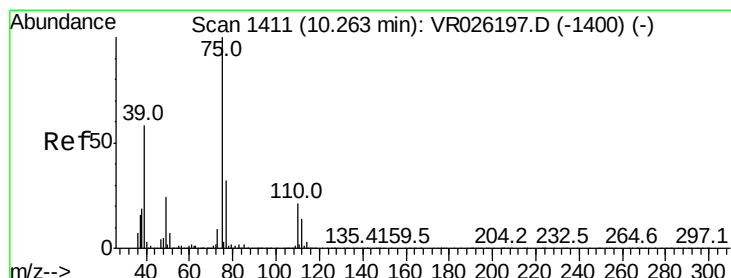
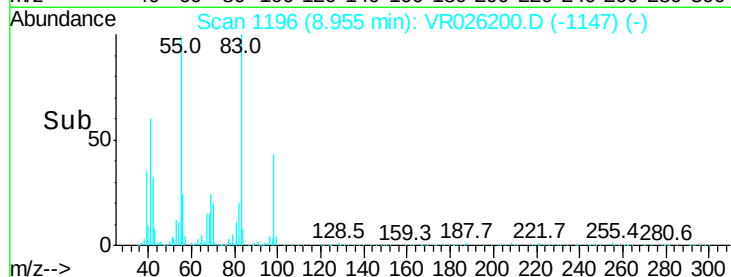
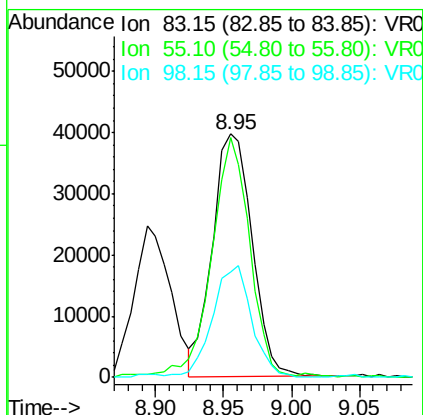
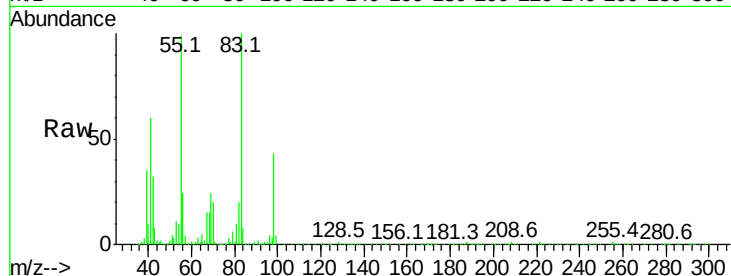




#35
Methylcyclohexane
Concen: 1.188 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026200.D
Acq: 7 Nov 2018 12:17

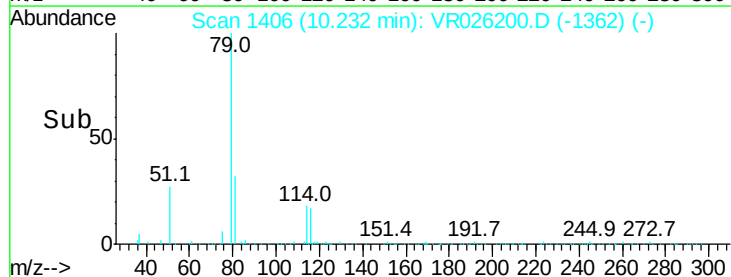
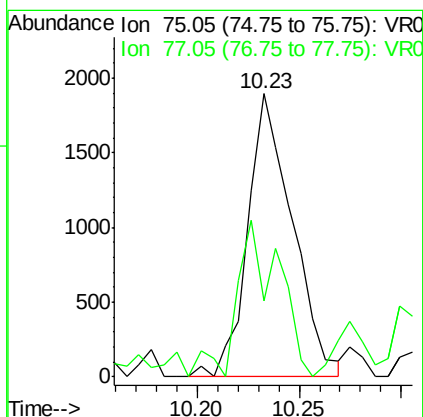
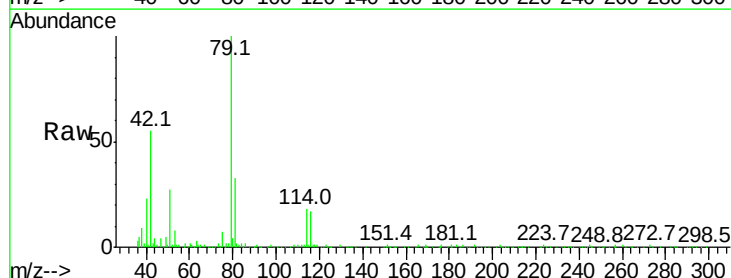
Instrument :
MSVOA_R
ClientSampled :
F9D04DL

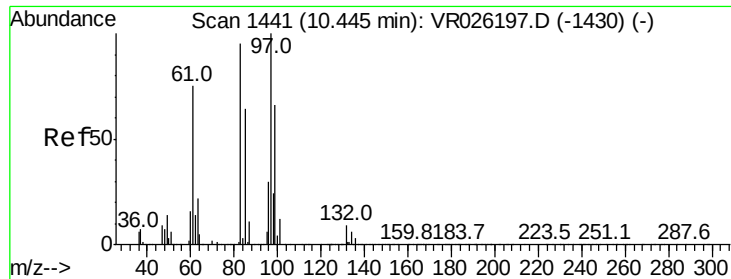
Tgt Ion: 83 Resp: 80269
Ion Ratio Lower Upper
83 100
55 95.3 66.8 100.2
98 45.4 35.2 52.8



#44
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 10.23 min Scan# 1406
Delta R.T. -0.03 min
Lab File: VR026200.D
Acq: 7 Nov 2018 12:17

Tgt Ion: 75 Resp: 2890
Ion Ratio Lower Upper
75 100
77 26.9 24.1 44.7





#45

1,1,2-Trichloroethane

Concen: 0.190 ug/L

RT: 10.40 min Scan# 1434

Delta R.T. -0.04 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampleID :

F9D04DL

Tgt Ion: 97 Resp: 2993

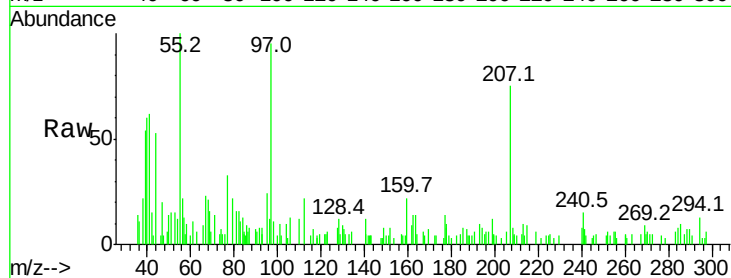
Ion Ratio Lower Upper

97 100

99 0.0 42.8 79.4#

83 12.0 61.9 114.9#

85 19.4 39.3 72.9#

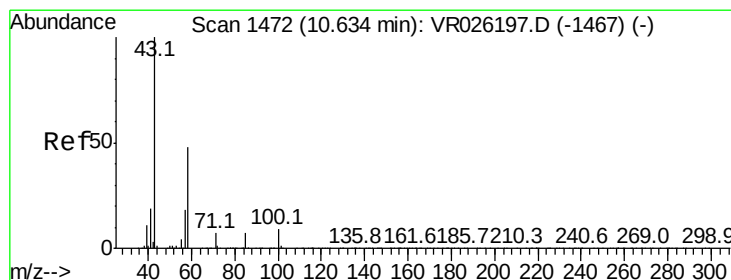
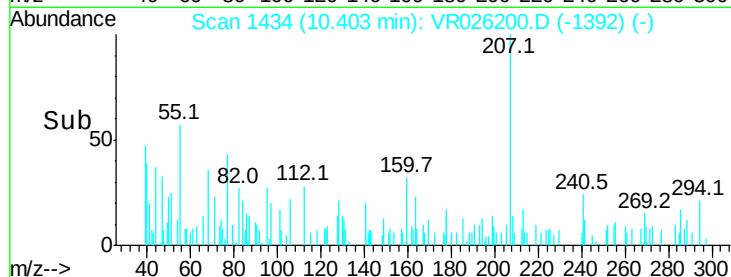
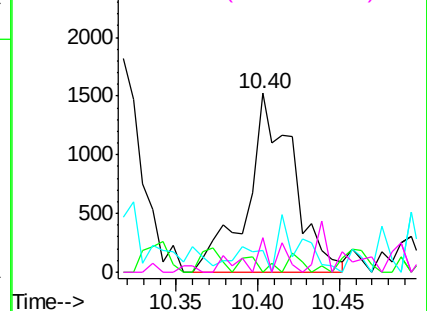


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#48

2-Hexanone

Concen: 3.812 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Tgt Ion: 43 Resp: 28458

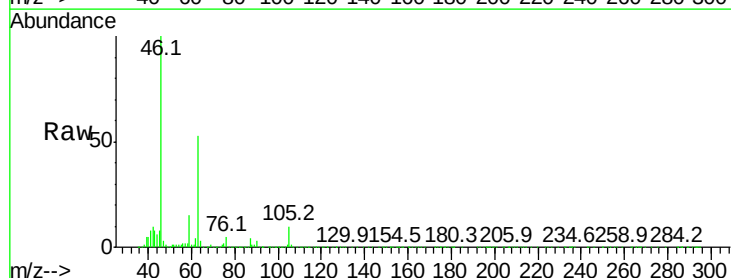
Ion Ratio Lower Upper

43 100

58 22.6 39.6 59.4#

57 26.3 14.0 21.0#

100 2.2 7.0 10.6#

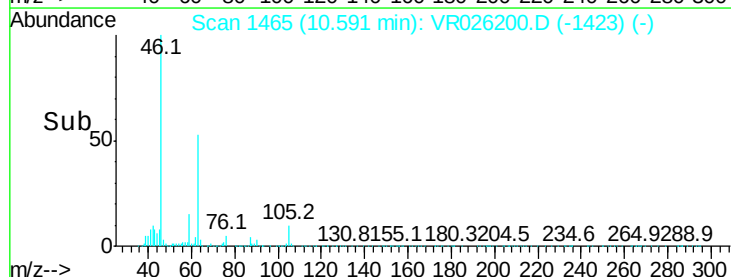
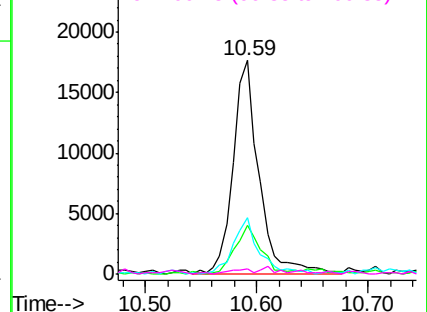


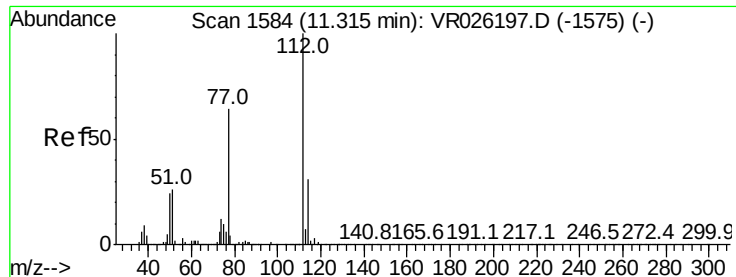
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#51

Chlorobenzene

Concen: 6.664 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampled :

F9D04DL

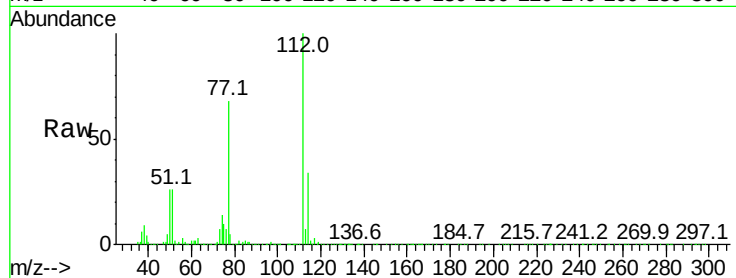
Tgt Ion: 112 Resp: 690651

Ion Ratio Lower Upper

112 100

114 33.7 22.8 42.4

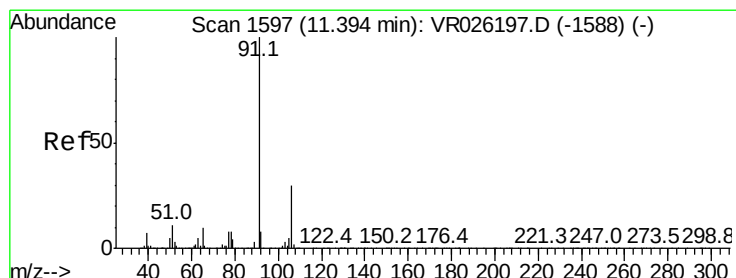
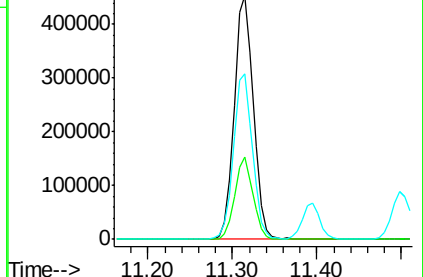
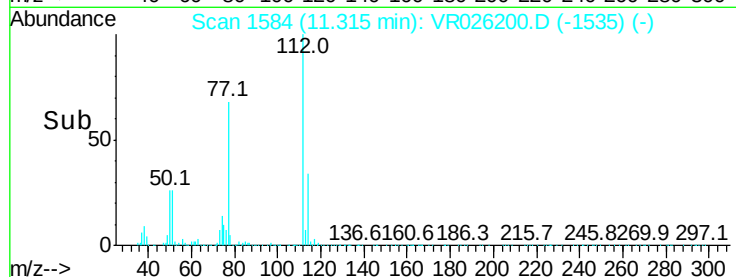
77 68.2 51.5 77.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 4.539 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026200.D

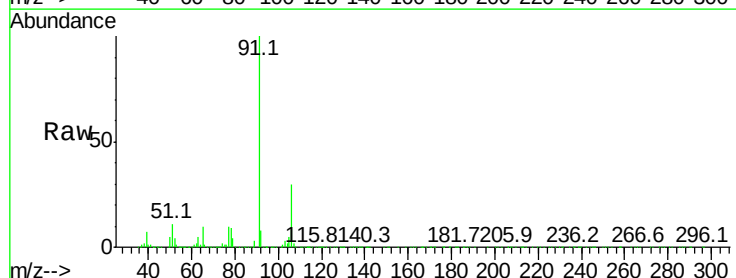
Acq: 7 Nov 2018 12:17

Tgt Ion: 91 Resp: 977282

Ion Ratio Lower Upper

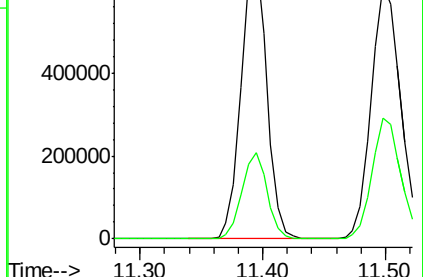
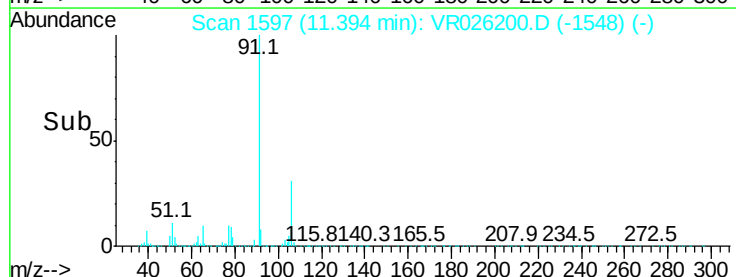
91 100

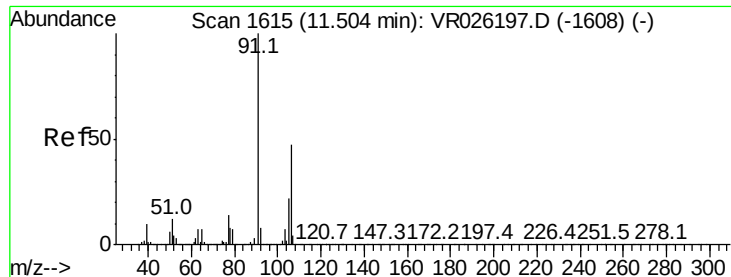
106 30.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 6.033 ug/L

RT: 11.50 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampleId :

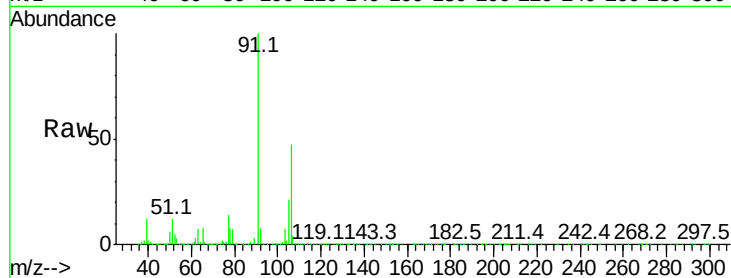
F9D04DL

Tgt Ion:106 Resp: 473201

Ion Ratio Lower Upper

106 100

91 211.2 145.3 269.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

800000

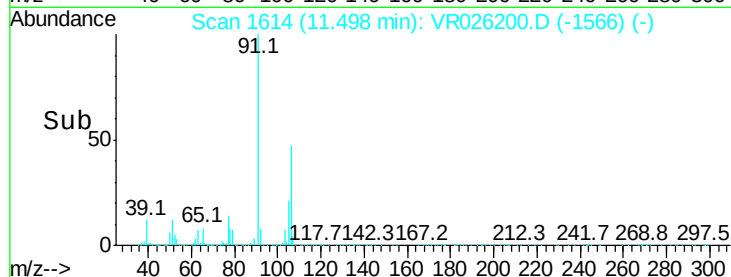
600000

400000

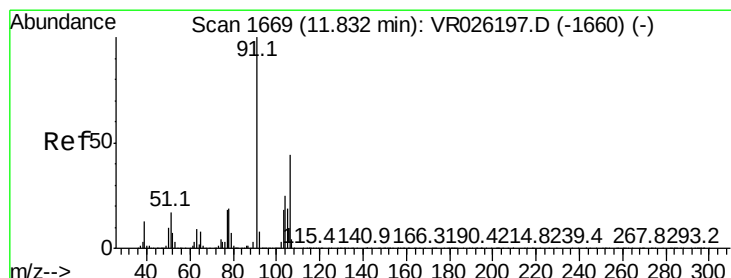
200000

0

11.40 11.50 11.60



Time-->



#54

o-Xylene

Concen: 1.129 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026200.D

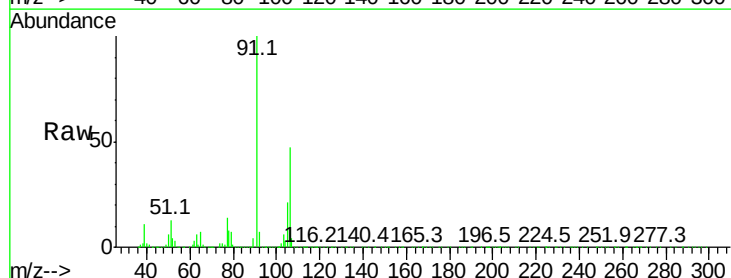
Acq: 7 Nov 2018 12:17

Tgt Ion:106 Resp: 81157

Ion Ratio Lower Upper

106 100

91 212.7 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

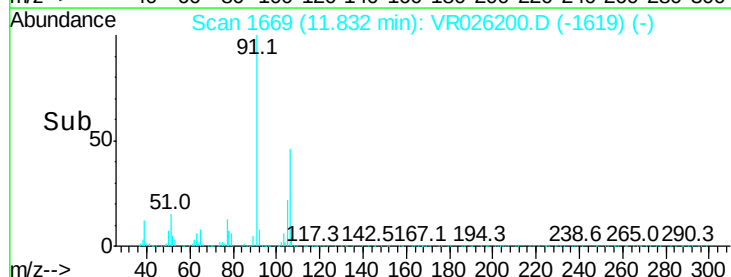
150000

100000

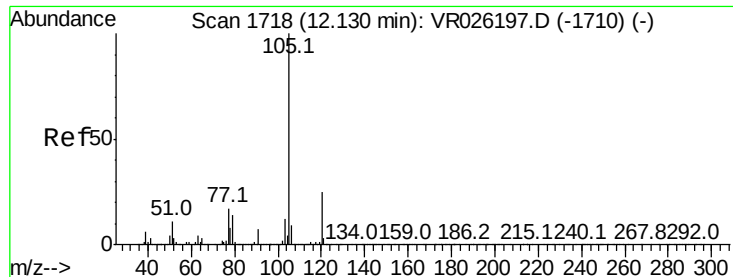
50000

0

11.80 11.83 11.90



Time-->



#56

Isopropylbenzene

Concen: 0.351 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampleId :

F9D04DL

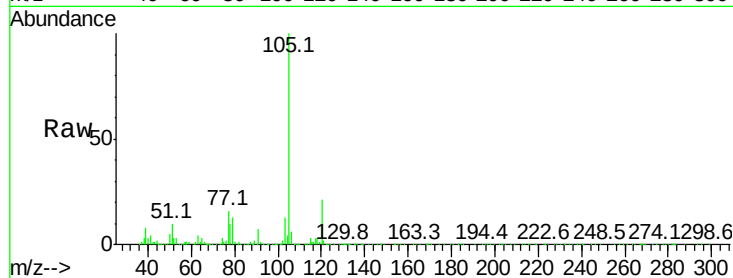
Tgt Ion:105 Resp: 70078

Ion Ratio Lower Upper

105 100

120 23.7 21.0 31.4

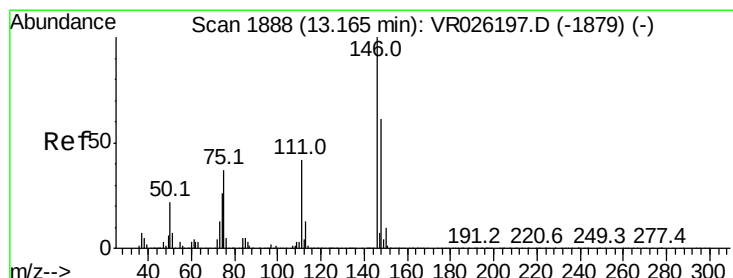
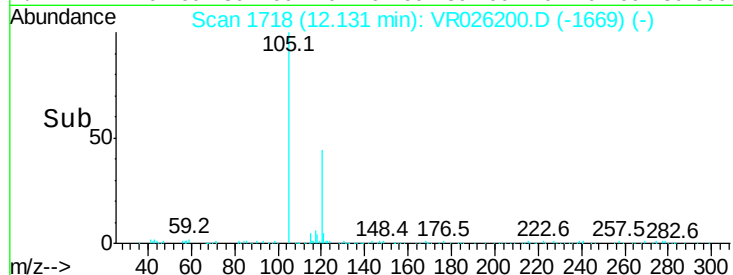
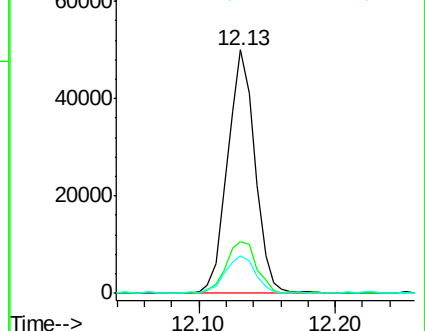
77 17.2 14.6 21.8



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



#62

1,3-Dichlorobenzene

Concen: 0.114 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

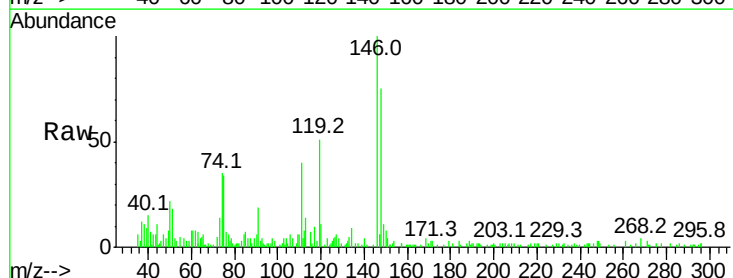
Tgt Ion:146 Resp: 7066

Ion Ratio Lower Upper

146 100

111 39.6 32.1 59.7

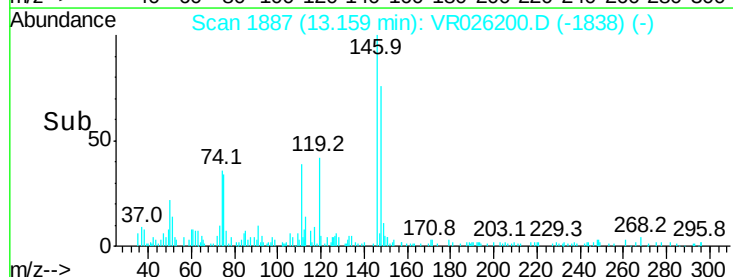
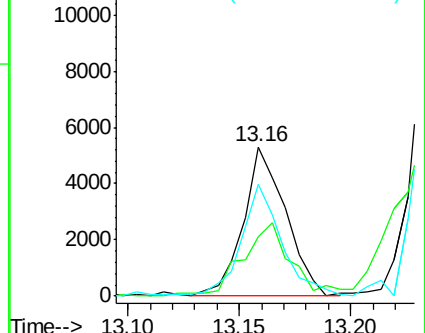
148 74.9 43.8 81.3

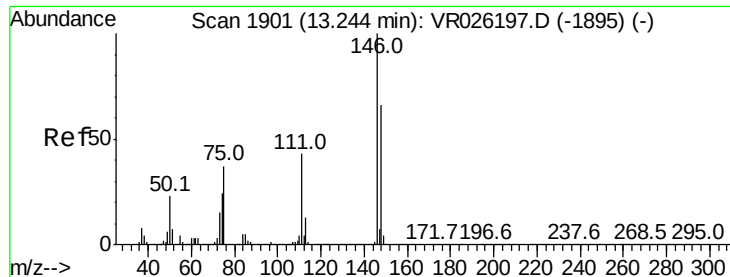


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.403 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Instrument :

MSVOA_R

ClientSampleID :

F9D04DL

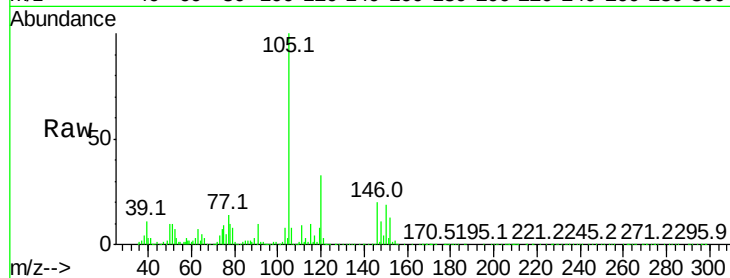
Tgt Ion:146 Resp: 25895

Ion Ratio Lower Upper

146 100

111 44.0 32.6 60.6

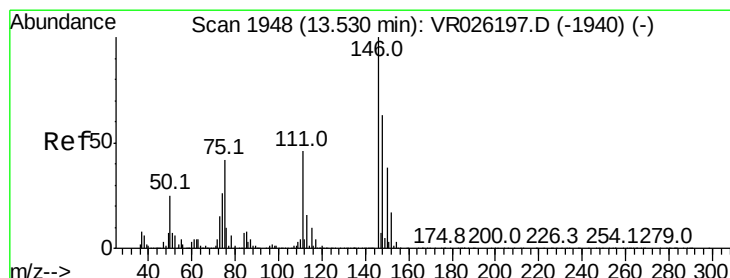
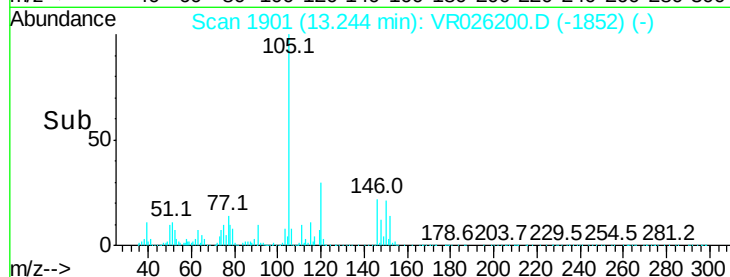
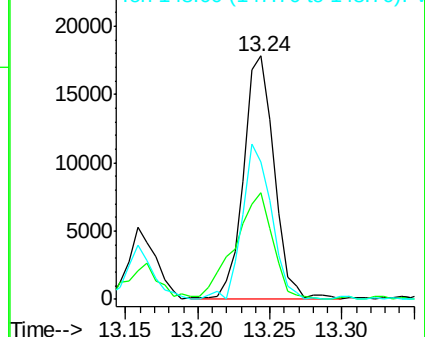
148 56.7 46.7 86.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.523 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

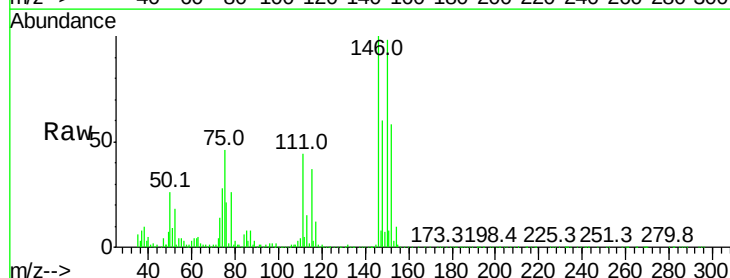
Tgt Ion:146 Resp: 75917

Ion Ratio Lower Upper

146 100

111 44.3 35.2 52.8

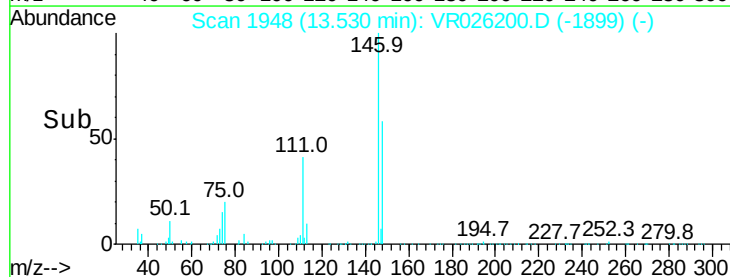
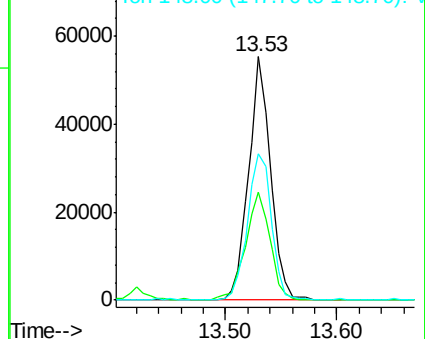
148 60.3 51.2 76.8

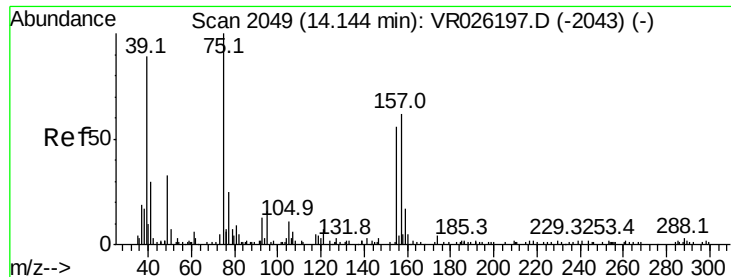


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

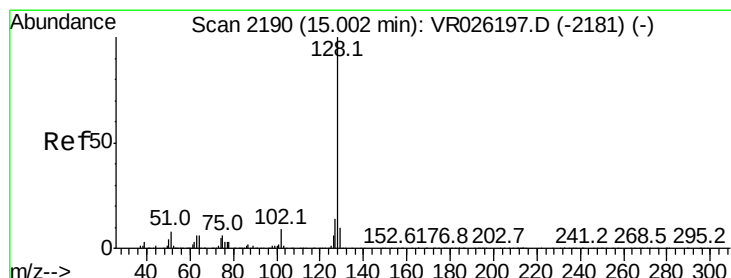
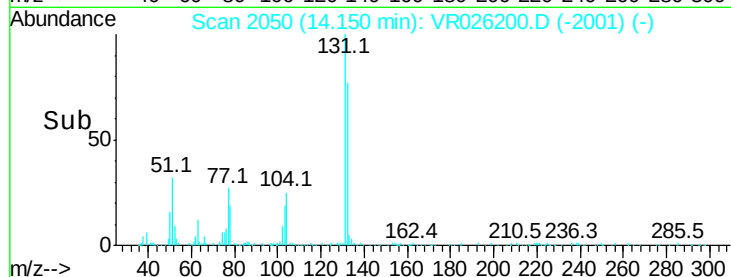
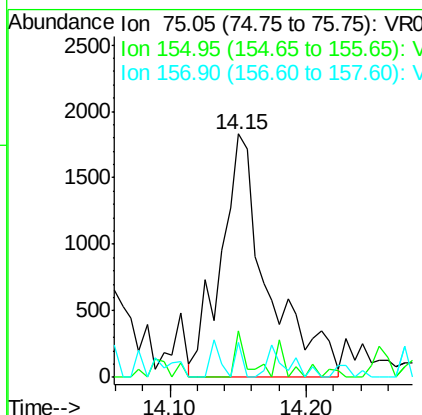
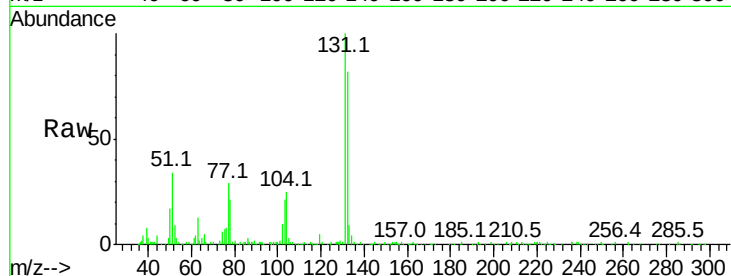




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.154 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.00 min
 Lab File: VR026200.D
 Acq: 7 Nov 2018 12:17

Instrument :
 MSVOA_R
 ClientSampleID :
 F9D04DL

Tgt Ion: 75 Resp: 4375
 Ion Ratio Lower Upper
 75 100
 155 19.3 40.9 61.3#
 157 21.0 67.3 100.9#



#69
 Naphthalene
 Concen: 50.253 ug/L
 RT: 15.00 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: VR026200.D
 Acq: 7 Nov 2018 12:17

Tgt Ion: 128 Resp: 1078095
 Ion Ratio Lower Upper
 128 100
 127 13.3 11.0 16.6
 129 10.9 9.1 13.7

