

Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

Quant Time: Nov 13 01:22:59 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	664846	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	543229	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	210316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	168888	2.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.00%
7) Chloroethane-d5	2.62	69	177703	3.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.00%
11) 1,1-Dichloroethene-d2	3.61	63	342259	2.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.00%#
20) 2-Butanone-d5	6.58	46	228709	47.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.76%
24) Chloroform-d	7.20	84	335719	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.60%
26) 1,2-Dichloroethane-d4	7.89	65	147268	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
32) Benzene-d6	7.85	84	662526	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.00%
36) 1,2-Dichloropropane-d6	8.90	67	179538	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.60%
41) Toluene-d8	9.97	98	579456	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
43) trans-1,3-Dichloropropene-	10.24	79	40877	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	10.59	63	163208	47.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76514	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	144966	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
22) cis-1,2-Dichloroethene	6.67	96	12668	0.274 ug/L #	91
30) Cyclohexane	7.52	56	93854	1.260 ug/L	96
33) Benzene	7.91	78	131066	0.643 ug/L	100
35) Methylcyclohexane	8.95	83	77079	0.992 ug/L	95
51) Chlorobenzene	11.32	112	704053	5.912 ug/L	99
52) Ethylbenzene	11.39	91	974911	3.941 ug/L	99
53) m,p-Xylene	11.50	106	477046	5.293 ug/L	94
54) o-Xylene	11.83	106	85420	1.034 ug/L	100
56) Isopropylbenzene	12.13	105	70530	0.307 ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	6977	0.100 ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	25377	0.351 ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	73970	1.319 ug/L	96

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

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Misc : 25mL/MSVOA_R/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_R

ClientSampleId :

F9D05DL

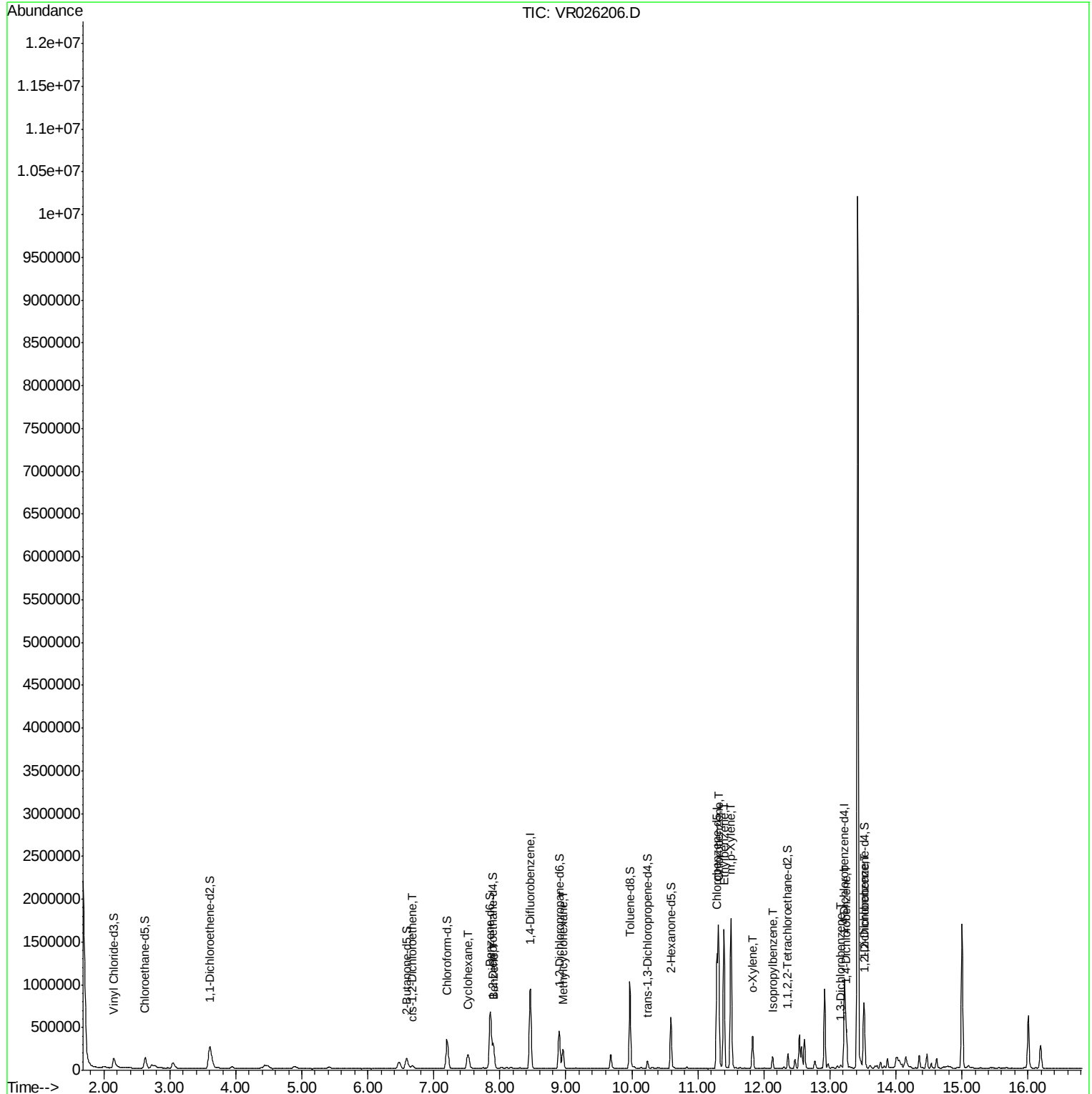
Quant Time: Nov 13 01:22:59 2018

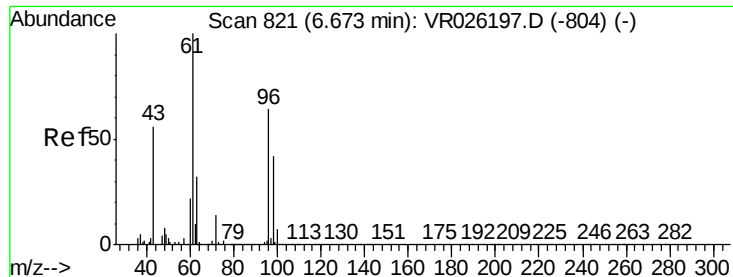
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Nov 07 12:50:17 2018

Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 0.274 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

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Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

F9D05DL

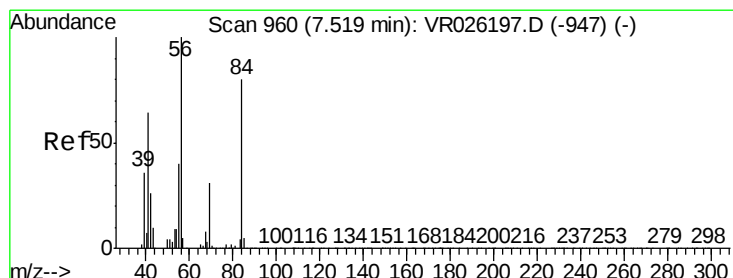
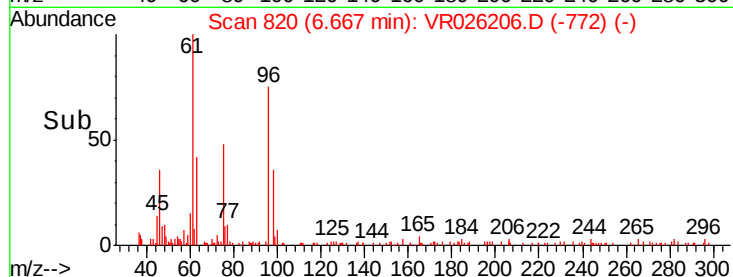
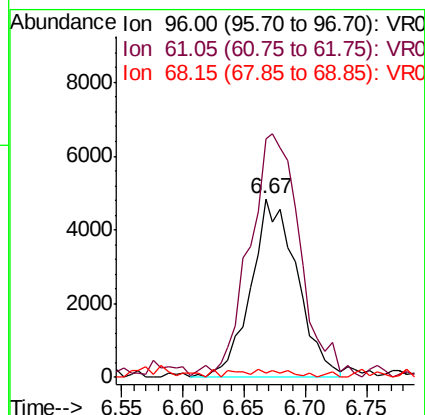
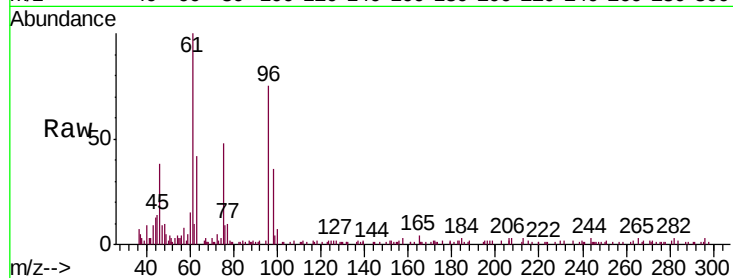
Tgt Ion: 96 Resp: 12668

Ion Ratio Lower Upper

96 100

61 133.7 101.8 189.0

68 2.6 0.1 0.3#



#30

Cyclohexane

Concen: 1.260 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

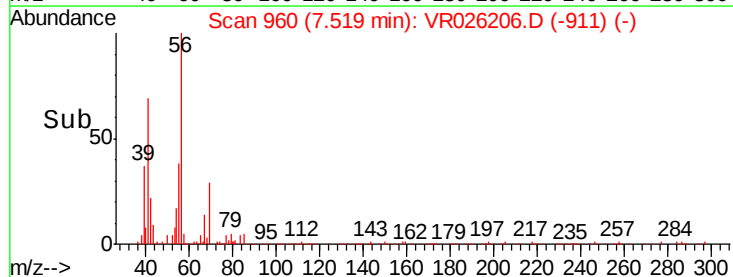
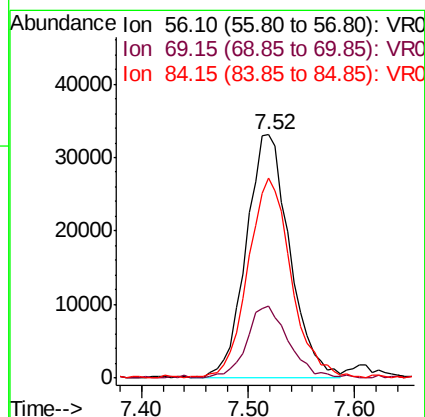
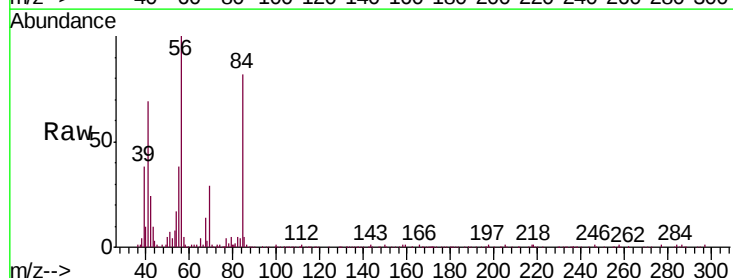
Tgt Ion: 56 Resp: 93854

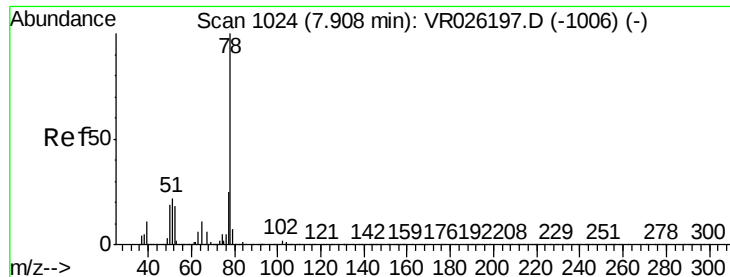
Ion Ratio Lower Upper

56 100

69 28.2 23.8 35.8

84 81.4 62.2 93.4





#33

Benzene

Concen: 0.643 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

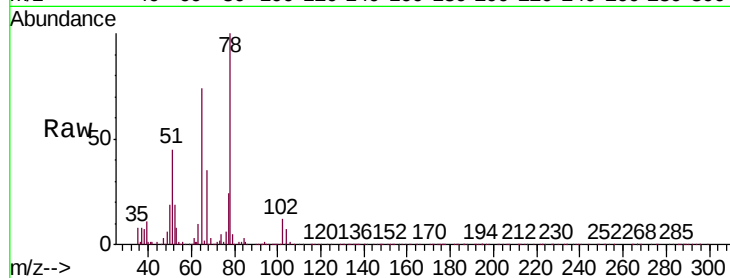
Instrument :

MSVOA_R

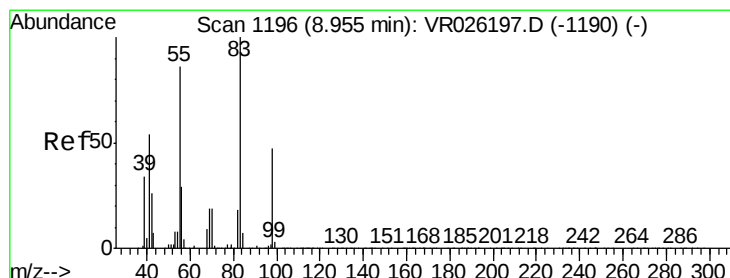
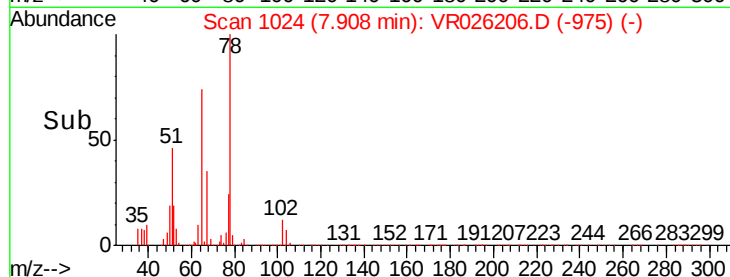
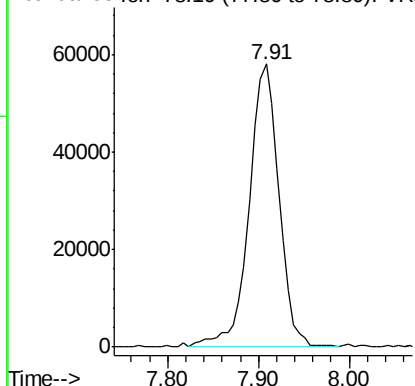
ClientSampleId :

F9D05DL

Tgt Ion: 78 Resp: 131066



Abundance Ion 78.10 (77.80 to 78.80): VR0



#35

Methylcyclohexane

Concen: 0.992 ug/L

RT: 8.95 min Scan# 1196

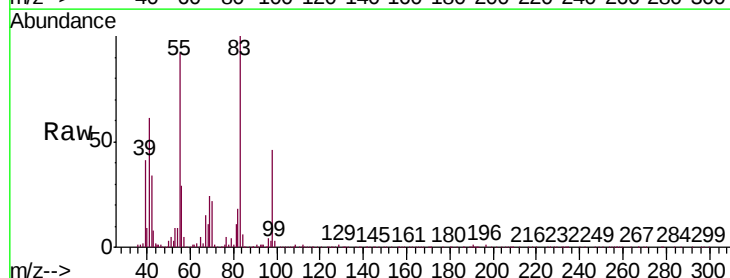
Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Tgt Ion: 83 Resp: 77079

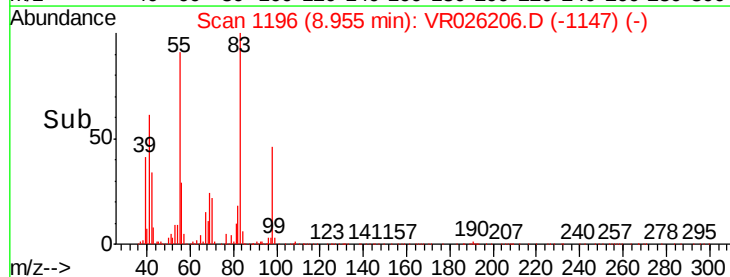
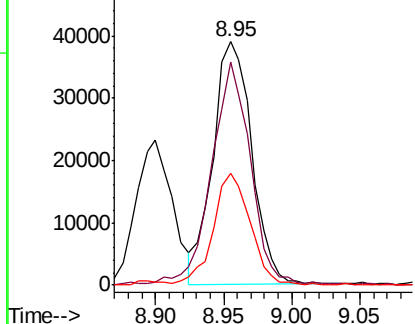
Ion	Ratio	Lower	Upper
83	100		
55	90.1	66.8	100.2
98	43.6	35.2	52.8

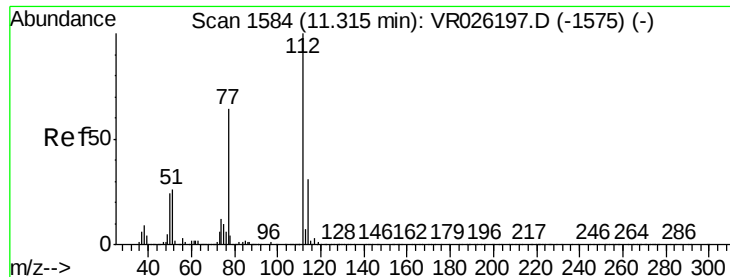


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#51

Chlorobenzene

Concen: 5.912 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleID :

F9D05DL

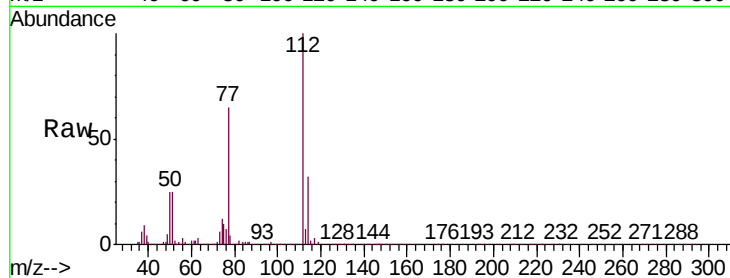
Tgt Ion: 112 Resp: 704053

Ion Ratio Lower Upper

112 100

114 32.5 22.8 42.4

77 65.4 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

600000

500000

400000

300000

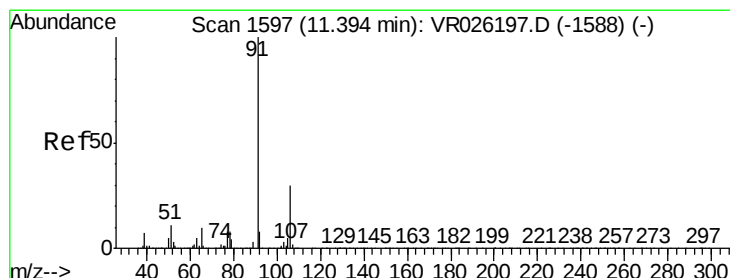
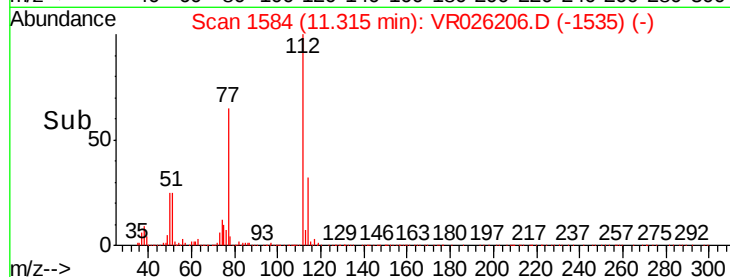
200000

100000

0

11.20 11.30 11.40

Time-->



#52

Ethylbenzene

Concen: 3.941 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026206.D

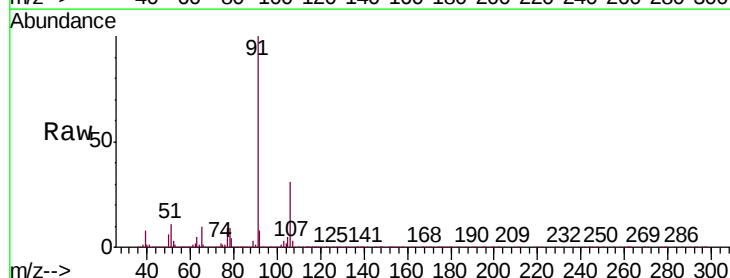
Acq: 7 Nov 2018 17:02

Tgt Ion: 91 Resp: 974911

Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

800000

600000

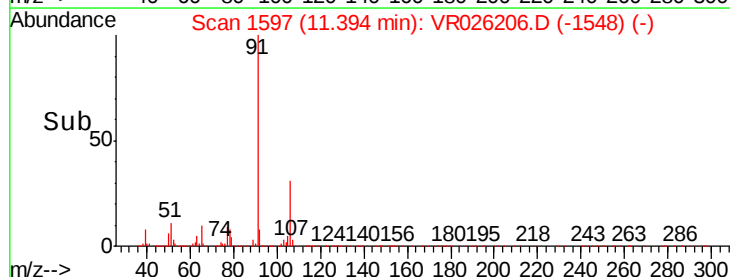
400000

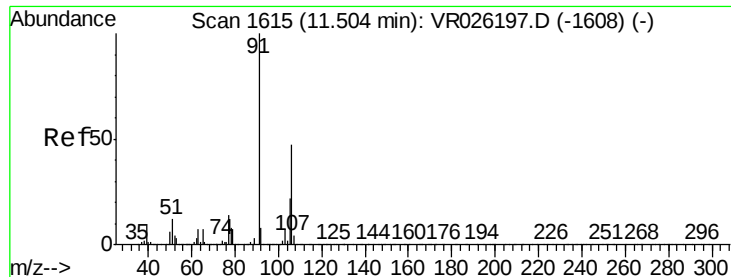
200000

0

11.30 11.40

Time-->





#53

m,p-Xylene

Concen: 5.293 ug/L

RT: 11.50 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleID :

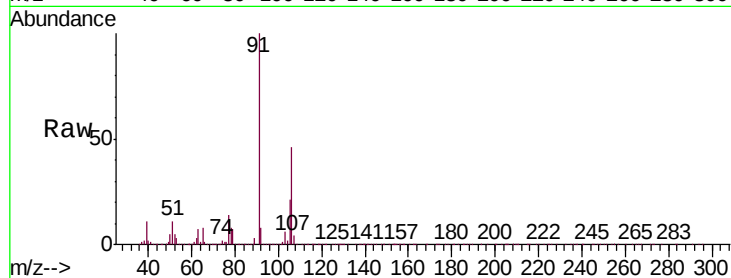
F9D05DL

Tgt Ion:106 Resp: 477046

Ion Ratio Lower Upper

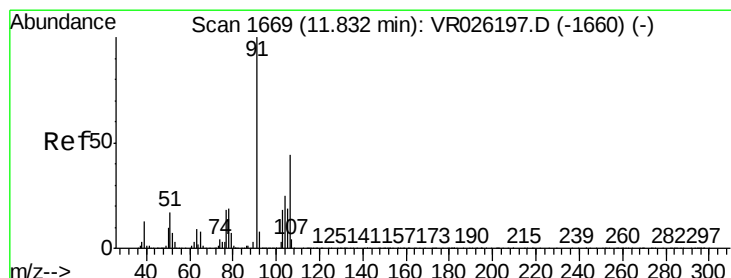
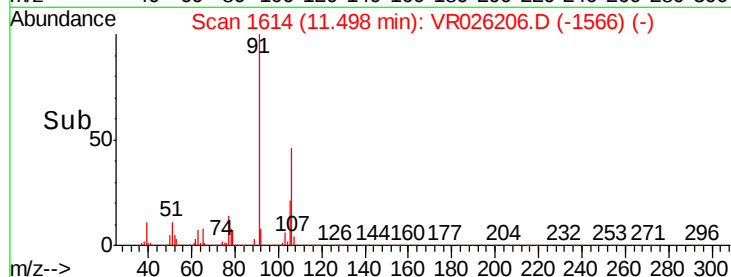
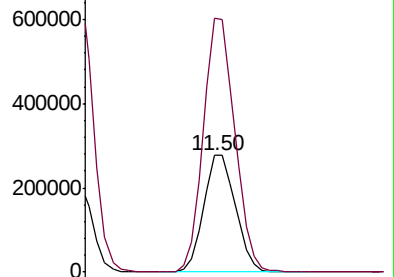
106 100

91 217.5 145.3 269.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 1.034 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026206.D

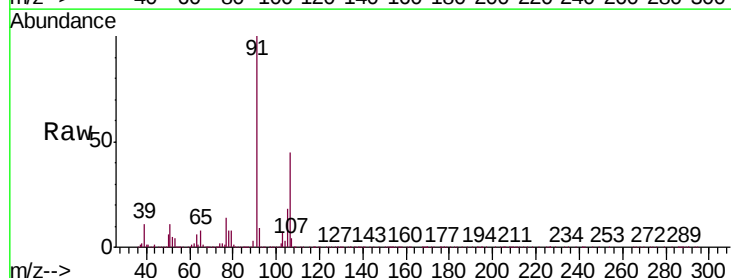
Acq: 7 Nov 2018 17:02

Tgt Ion:106 Resp: 85420

Ion Ratio Lower Upper

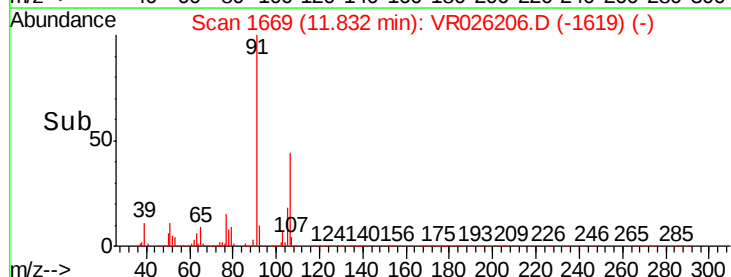
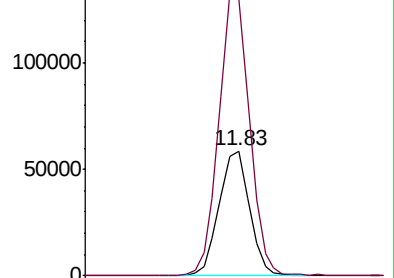
106 100

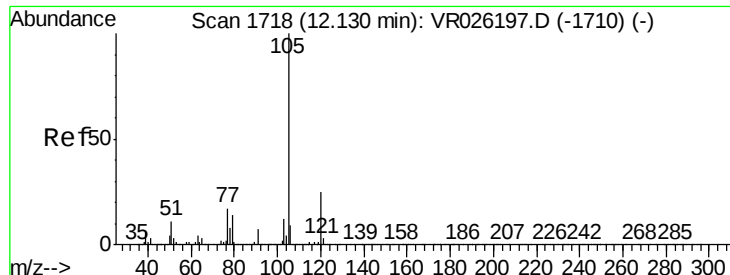
91 221.8 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#56

Isopropylbenzene

Concen: 0.307 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

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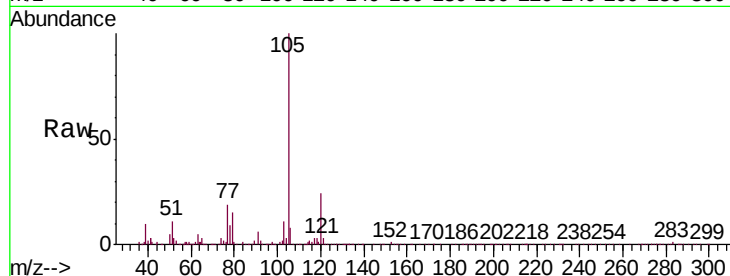
Tgt Ion:105 Resp: 70530

Ion Ratio Lower Upper

105 100

120 24.7 21.0 31.4

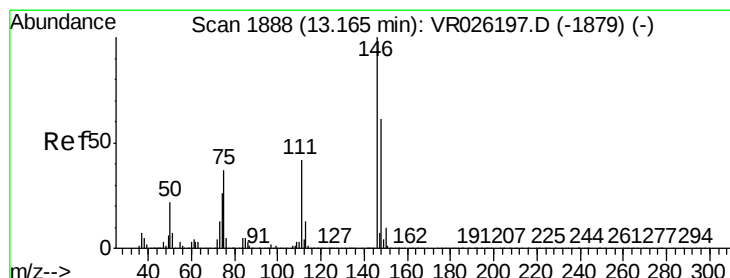
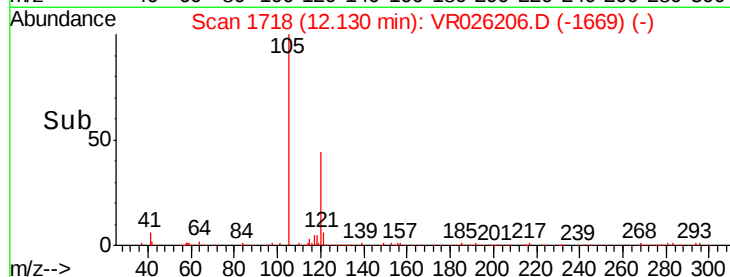
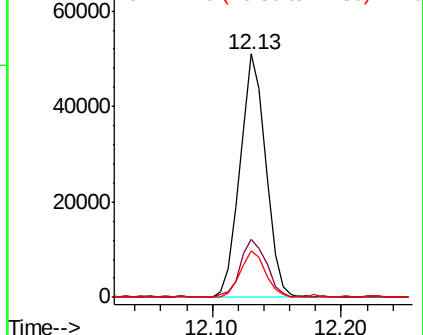
77 18.0 14.6 21.8



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): VR0



#62

1,3-Dichlorobenzene

Concen: 0.100 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

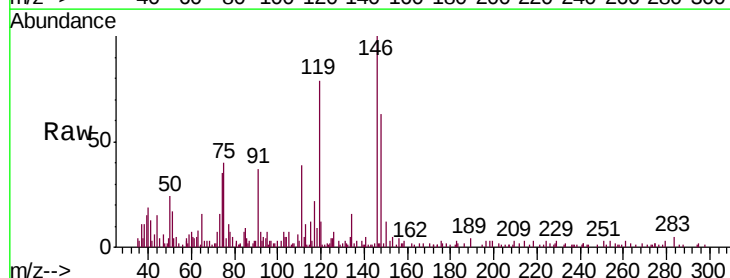
Tgt Ion:146 Resp: 6977

Ion Ratio Lower Upper

146 100

111 39.1 32.1 59.7

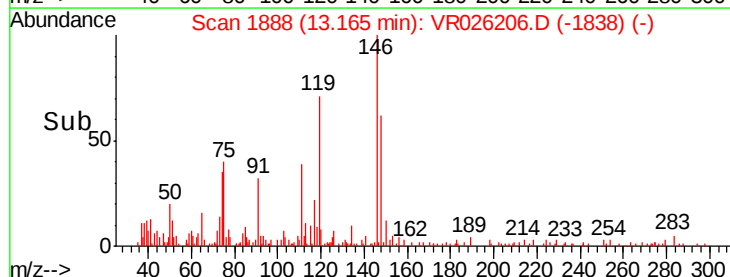
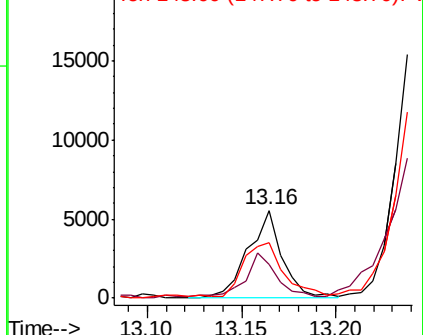
148 62.9 43.8 81.3

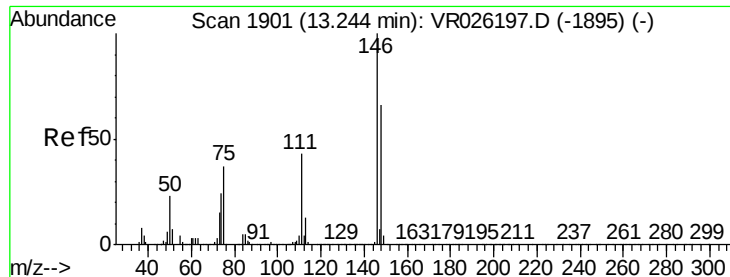


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

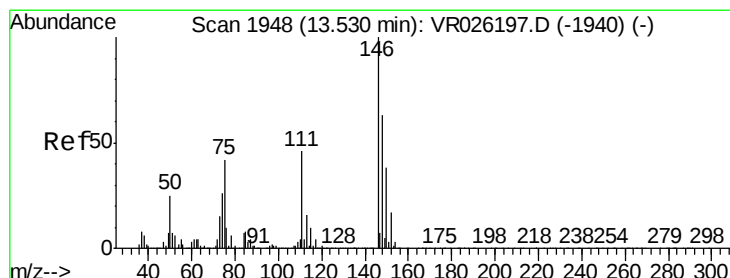
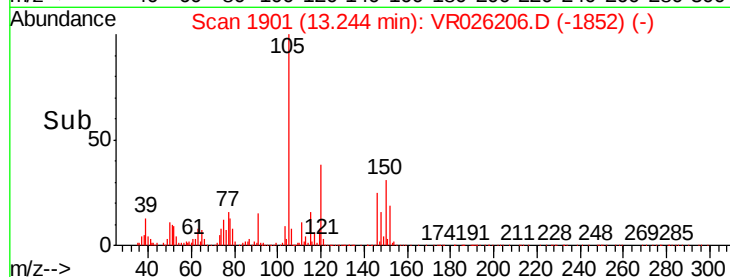
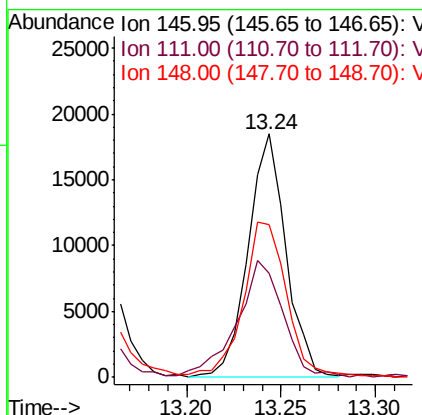
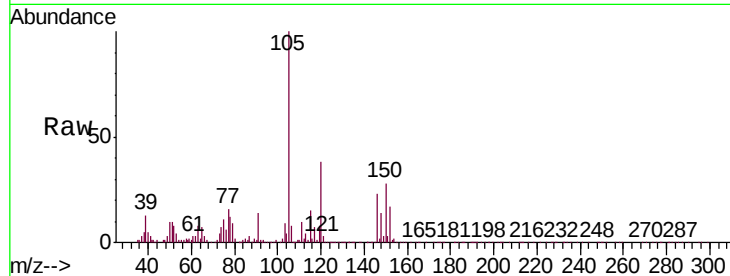




#63
1,4-Dichlorobenzene
Concen: 0.351 ug/L
RT: 13.24 min Scan# 1901
Delta R.T. -0.00 min
Lab File: VR026206.D
Acq: 7 Nov 2018 17:02

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	32.6	60.6
148	63.0	46.7	86.7



#65
1,2-Dichlorobenzene
Concen: 1.319 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026206.D
Acq: 7 Nov 2018 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	35.2	52.8
148	61.9	51.2	76.8

