

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 13 00:37:05 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

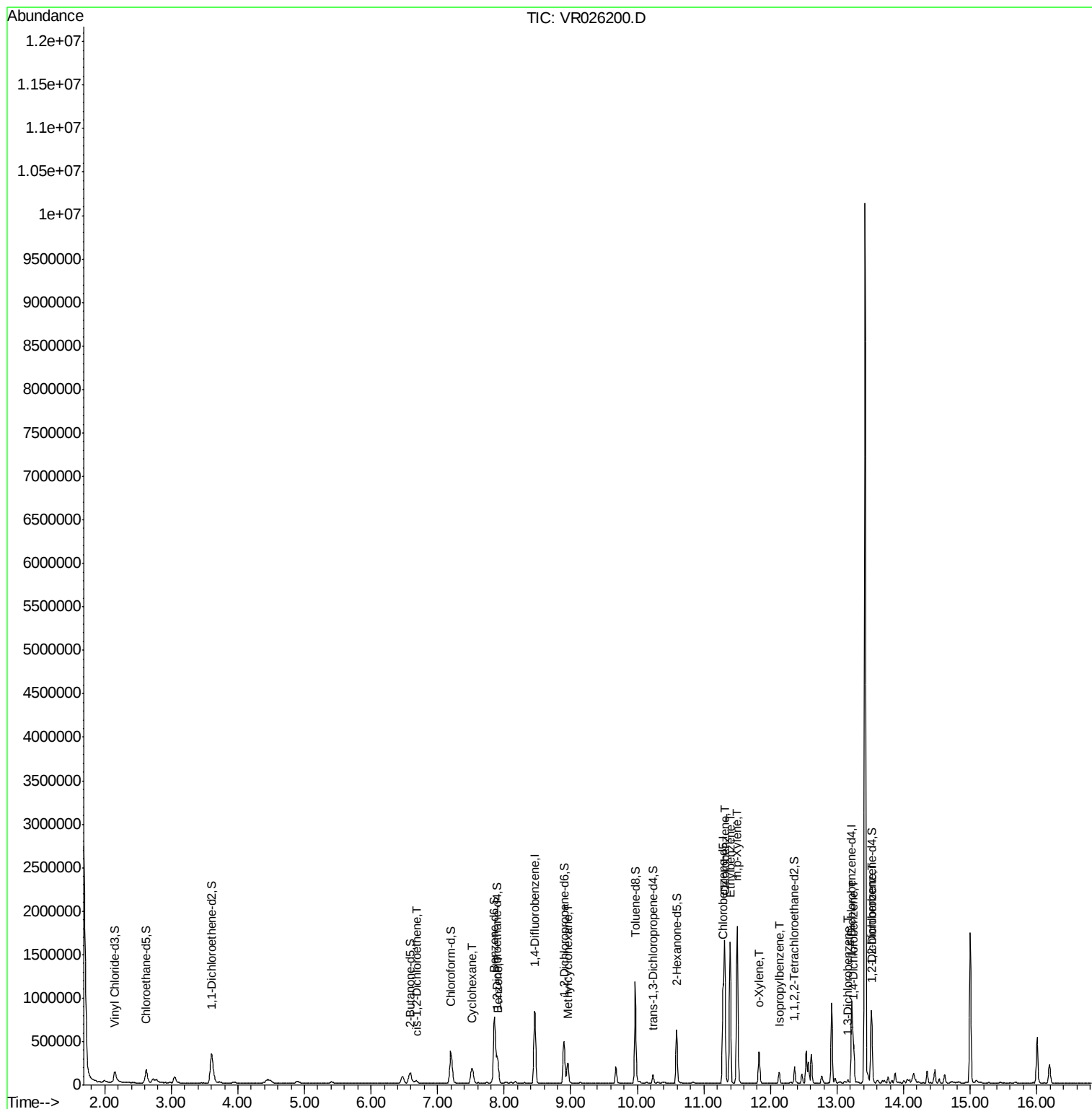
					Qvalue
22) cis-1,2-Dichloroethene	6.67	96	12410	0.305 ug/L	# 95
30) Cyclohexane	7.52	56	94679	1.460 ug/L	99
33) Benzene	7.91	78	135042	0.761 ug/L	100
35) Methylcyclohexane	8.95	83	80269	1.188 ug/L	91
51) Chlorobenzene	11.32	112	690651	6.664 ug/L	96
52) Ethylbenzene	11.39	91	977282	4.539 ug/L	100
53) 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
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

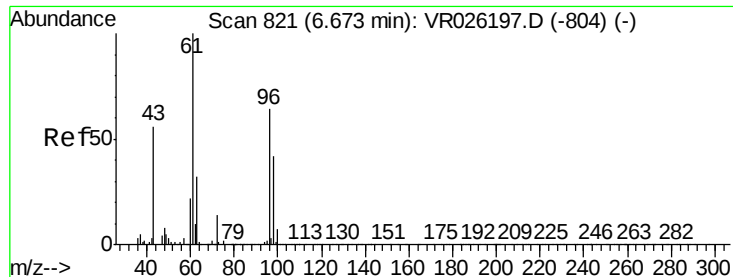
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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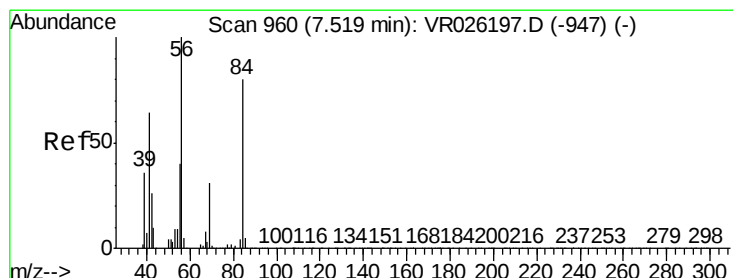
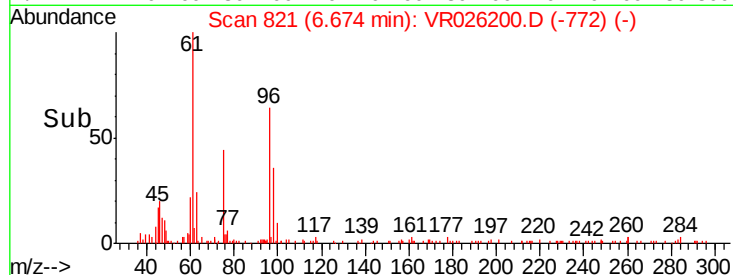
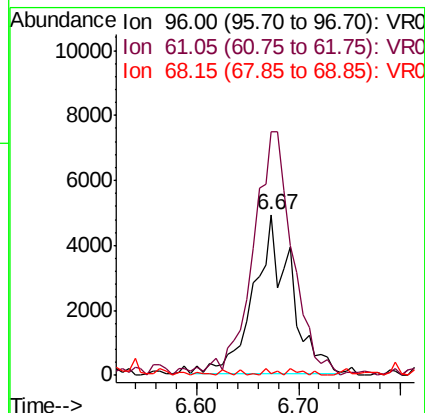
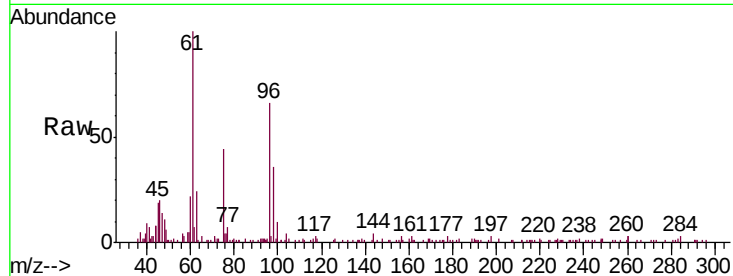


#22

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

Instrument :
 MSVOA_R
 ClientSampleID :
 F9D04DL

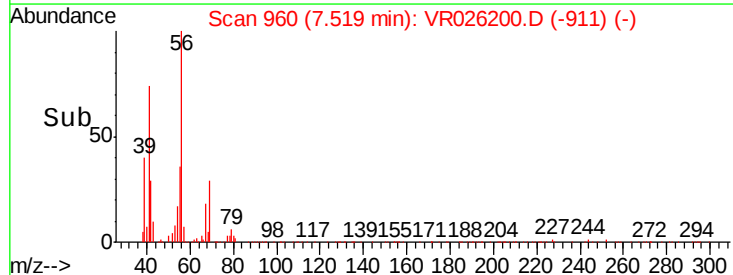
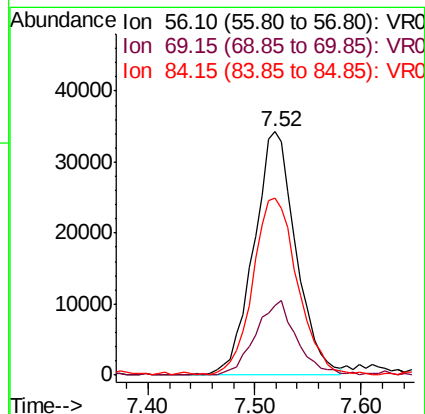
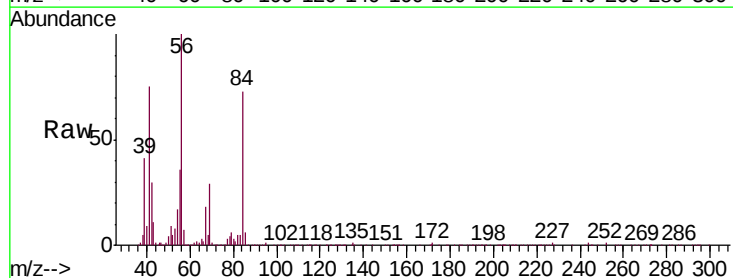
Tgt Ion: 96 Resp: 12410
 Ion Ratio Lower Upper
 96 100
 61 151.5 101.8 189.0
 68 1.1 0.1 0.3#

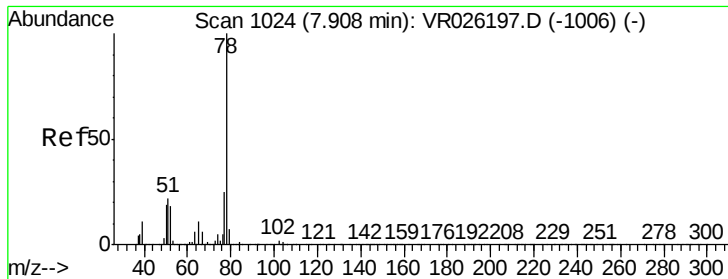


#30

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

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

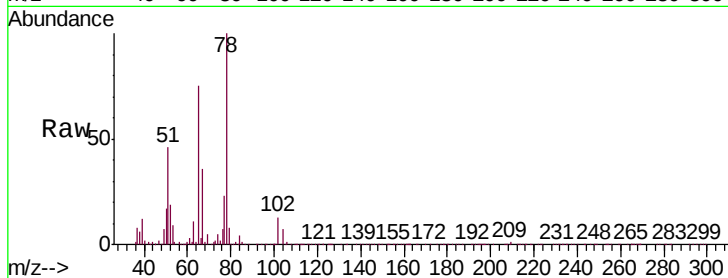
Instrument :

MSVOA_R

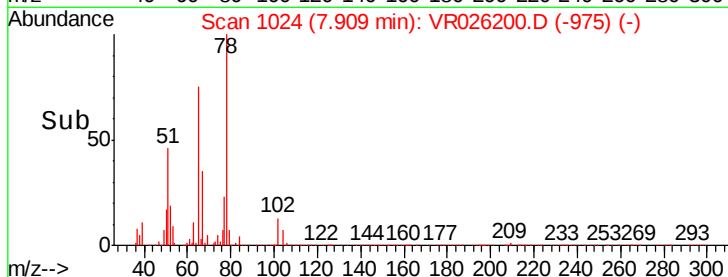
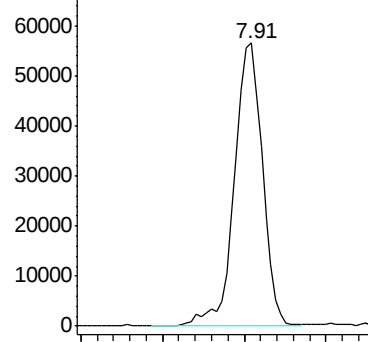
ClientSampleId :

F9D04DL

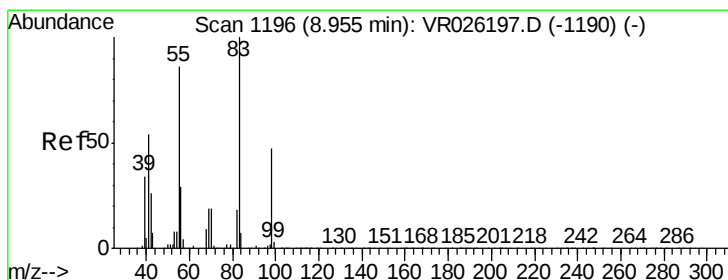
Tgt Ion: 78 Resp: 135042



Abundance Ion 78.10 (77.80 to 78.80): VR0



Time-->



#35

Methylcyclohexane

Concen: 1.188 ug/L

RT: 8.95 min Scan# 1196

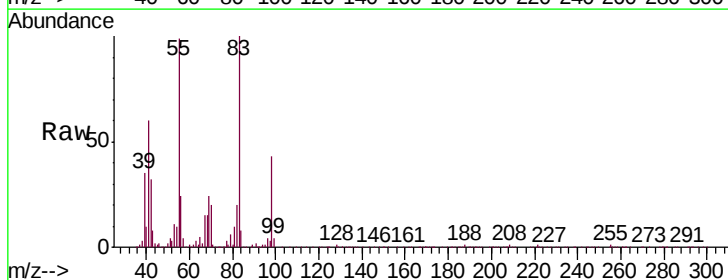
Delta R.T. 0.00 min

Lab File: VR026200.D

Acq: 7 Nov 2018 12:17

Tgt Ion: 83 Resp: 80269

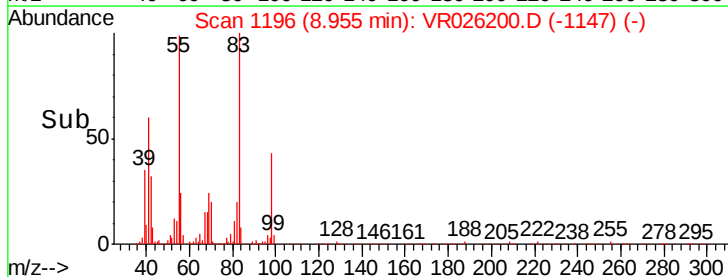
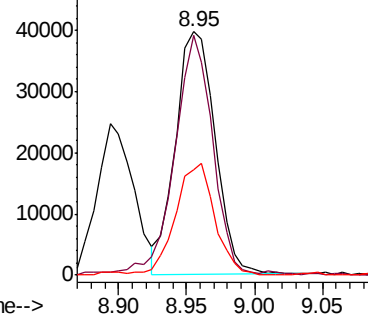
Ion	Ratio	Lower	Upper
83	100		
55	95.3	66.8	100.2
98	45.4	35.2	52.8



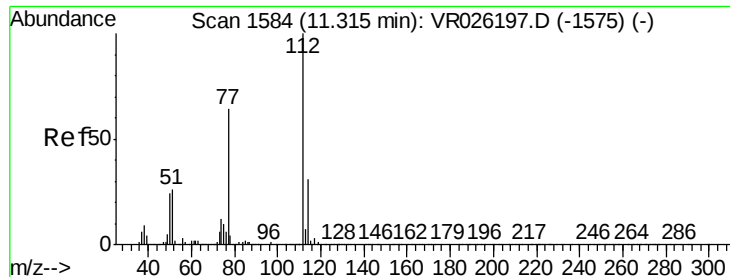
Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0



Time-->



#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

ClientSampleID :

F9D04DL

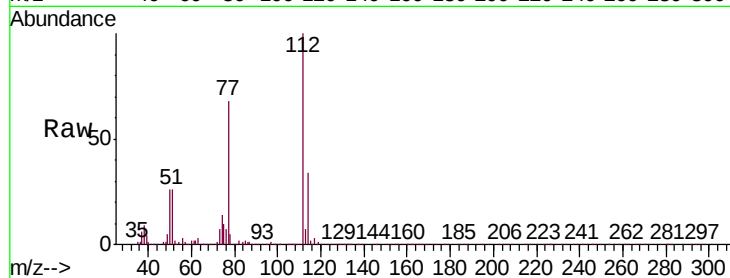
Tgt Ion: 112 Resp: 690651

Ion Ratio Lower Upper

112 100

114 33.7 22.8 42.4

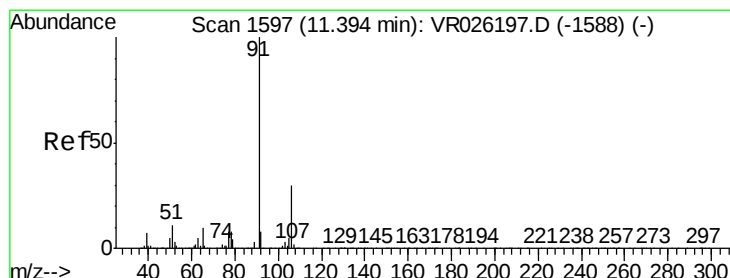
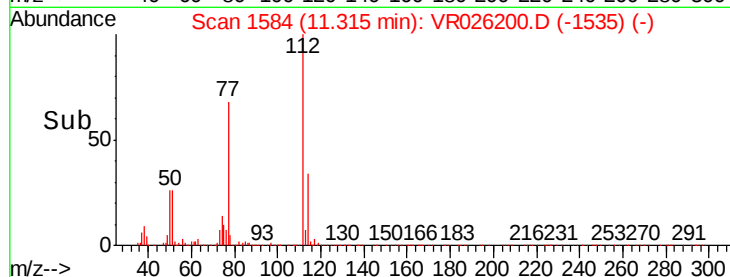
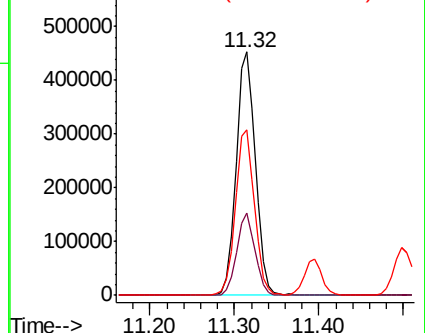
77 68.2 51.5 77.3



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

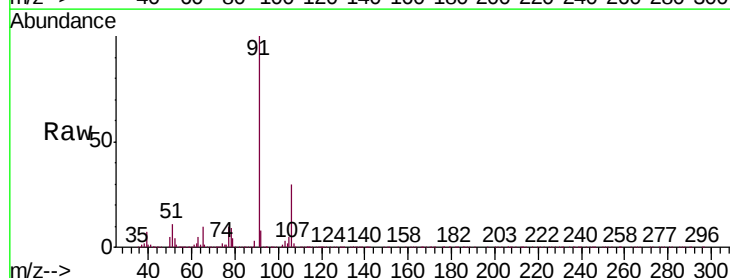
Acq: 7 Nov 2018 12:17

Tgt Ion: 91 Resp: 977282

Ion Ratio Lower Upper

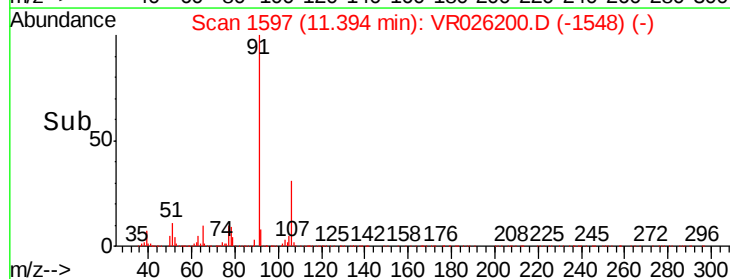
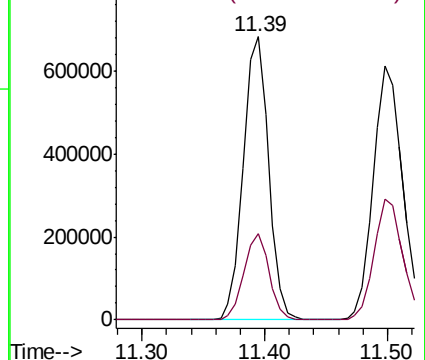
91 100

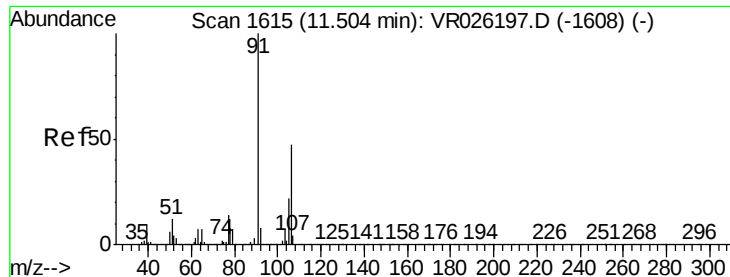
106 30.5 21.2 39.4



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 :

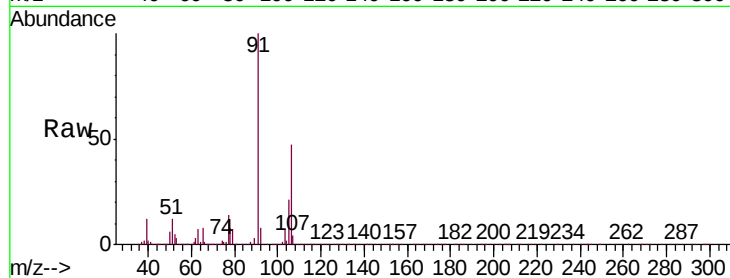
F9D04DL

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

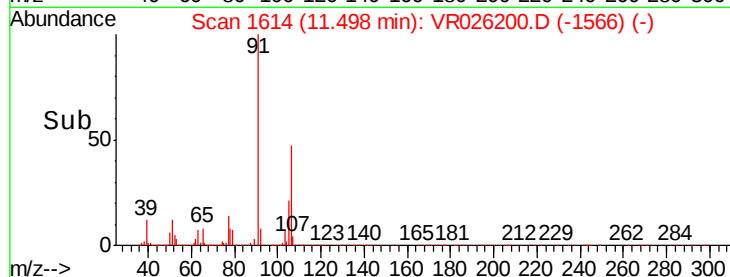
600000

400000

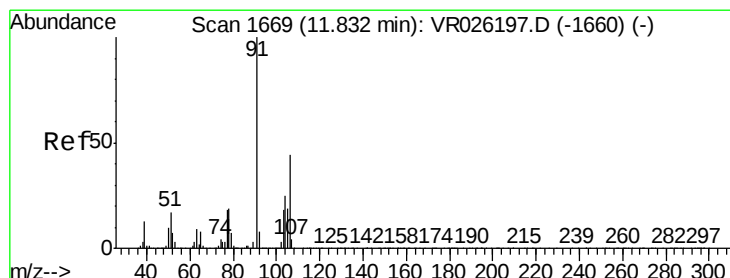
200000

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

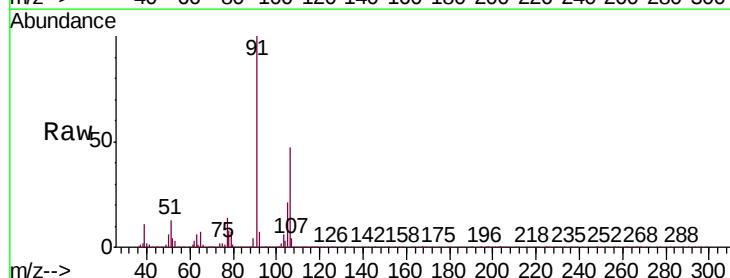
Acq: 7 Nov 2018 12:17

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

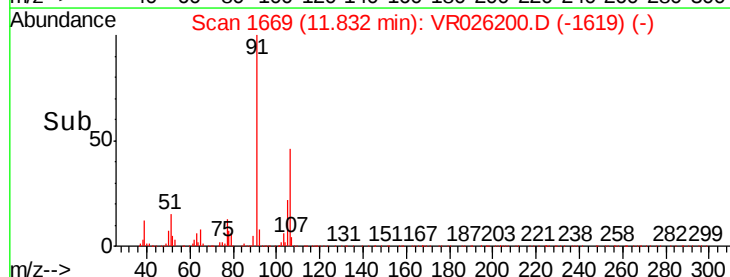
150000

100000

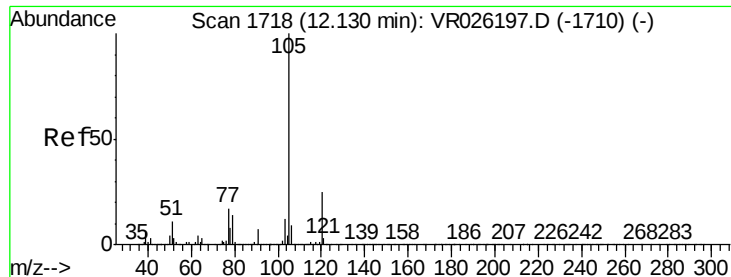
50000

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

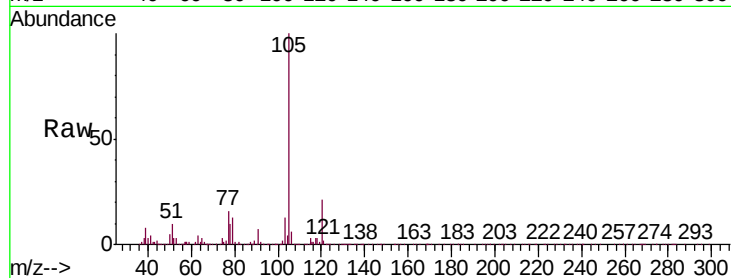
Tgt Ion:105 Resp: 70078

Ion Ratio Lower Upper

105 100

120 23.7 21.0 31.4

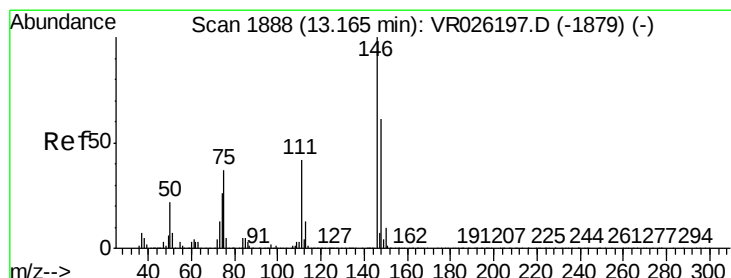
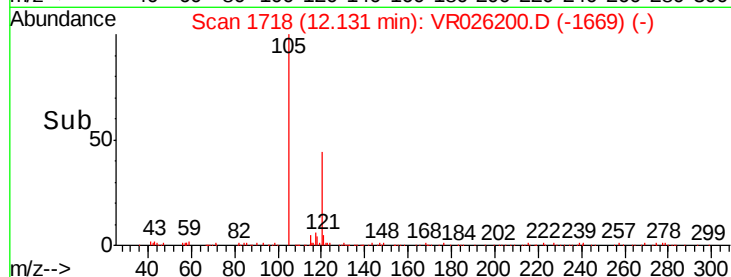
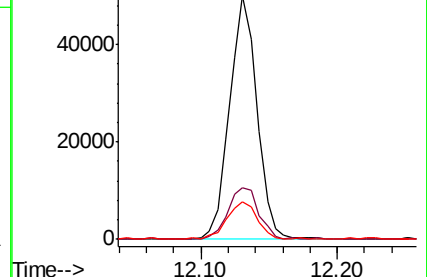
77 17.2 14.6 21.8



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): VR0



#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

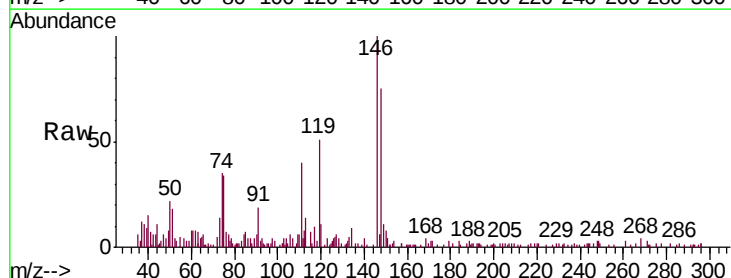
Tgt Ion:146 Resp: 7066

Ion Ratio Lower Upper

146 100

111 39.6 32.1 59.7

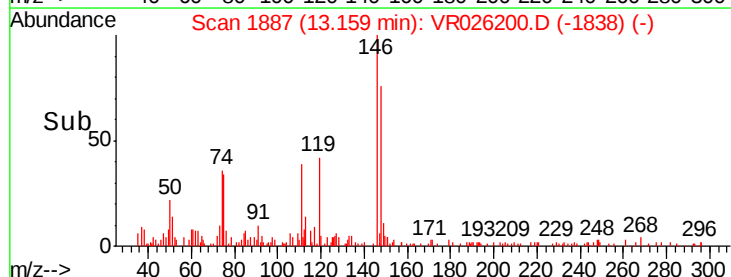
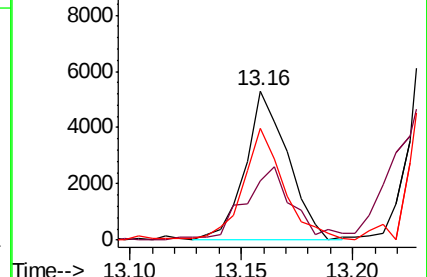
148 74.9 43.8 81.3

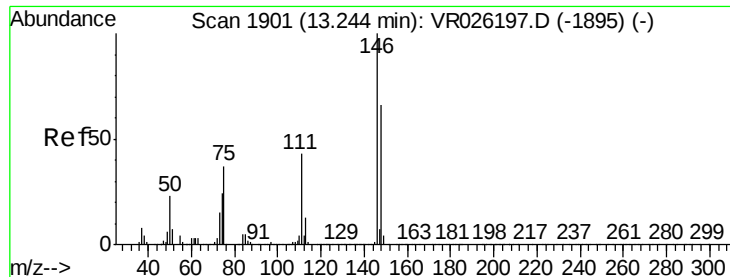


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

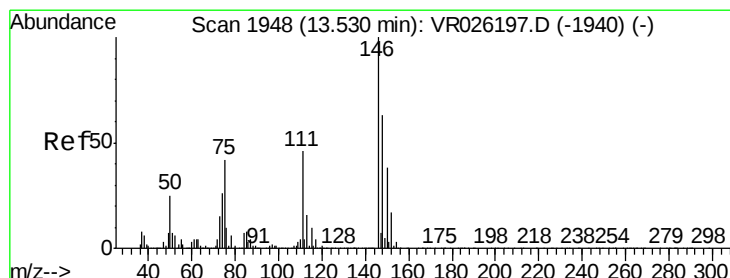
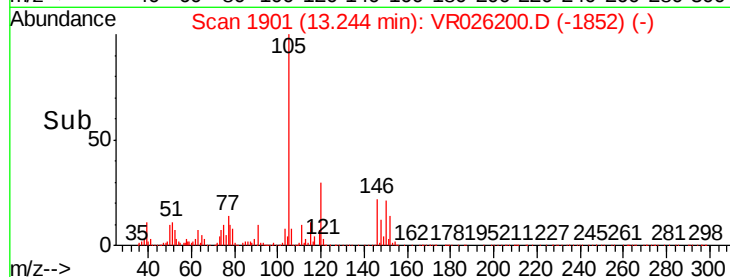
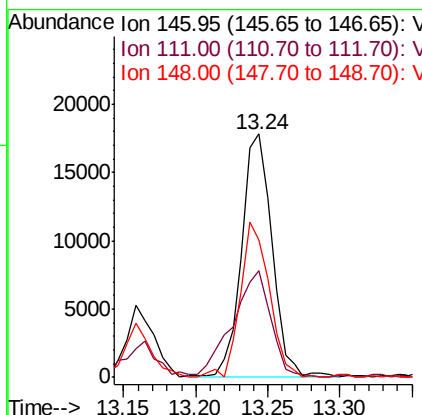
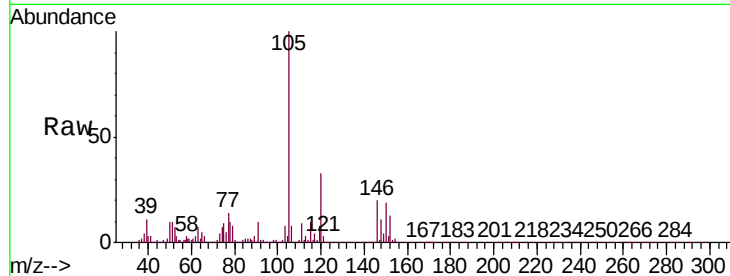




#63
 1,4-Dichlorobenzene
 Concen: 0.403 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026200.D
 Acq: 7 Nov 2018 12:17

Instrument :
 MSVOA_R
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 F9D04DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	32.6	60.6
148	56.7	46.7	86.7



#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	Ratio	Lower	Upper
146	100		
111	44.3	35.2	52.8
148	60.3	51.2	76.8

