

Data File : VR026205.D
Acq On : 7 Nov 2018 15:36
Operator : SY/MD
Sample : J5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Quant Time: Nov 13 01:17:55 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	634888	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	563993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	247579	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	172938	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	2.63	69	185982	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	3.60	63	372443	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	6.59	46	254531	55.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.60%
24) Chloroform-d	7.20	84	372808	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	7.90	65	166600	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	7.85	84	742756	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	8.89	67	197355	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	9.97	98	644577	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	10.24	79	43874	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	10.59	63	192022	54.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.36%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89069	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	188271	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
17) Methyl tert-butyl Ether	4.89	73	36185	0.646 ug/L #	1
18) trans-1,2-Dichloroethene	4.89	96	12573	0.269 ug/L #	81
22) cis-1,2-Dichloroethene	6.67	96	62058	1.405 ug/L #	90
30) Cyclohexane	7.52	56	577868	7.470 ug/L	98
33) Benzene	7.90	78	672399	3.177 ug/L	100
35) Methylcyclohexane	8.96	83	458174	5.682 ug/L	96
42) Toluene	10.04	91	71345	0.319 ug/L	100
51) Chlorobenzene	11.32	112	4378071	35.408 ug/L	95
52) Ethylbenzene	11.39	91	5704431	22.210 ug/L	88
53) m,p-Xylene	11.50	106	3168927	33.863 ug/L	87
54) o-Xylene	11.83	106	537604	6.266 ug/L	96
56) Isopropylbenzene	12.13	105	452138	1.897 ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	40942	0.498 ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	164097	1.926 ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	452173	6.850 ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Quantitation Report (QT/LSC Reviewed)

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

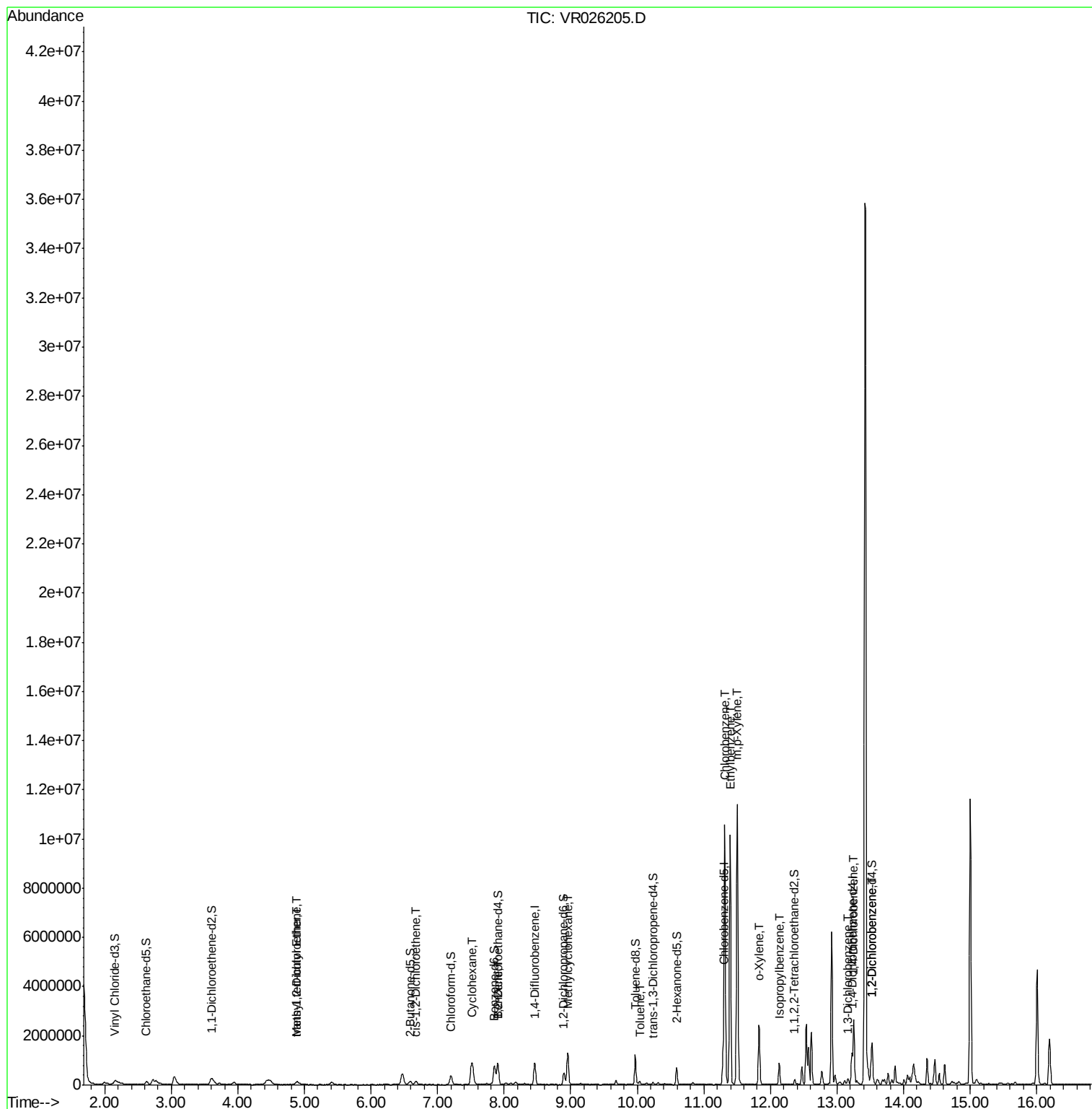
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

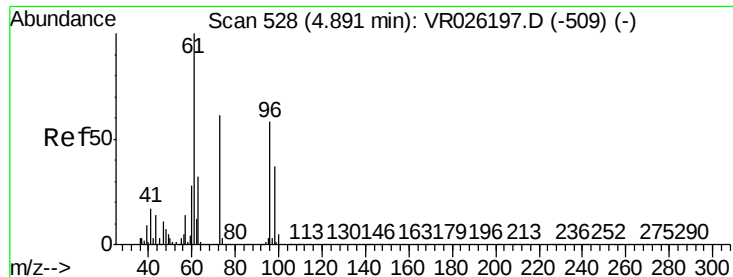
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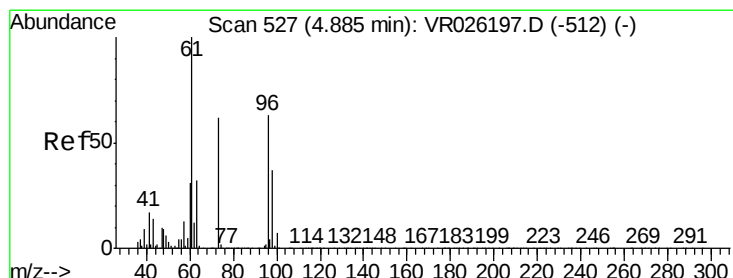
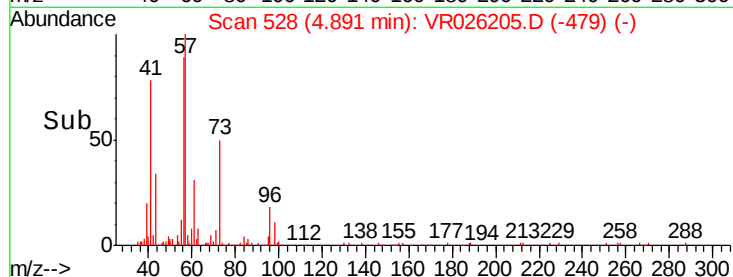
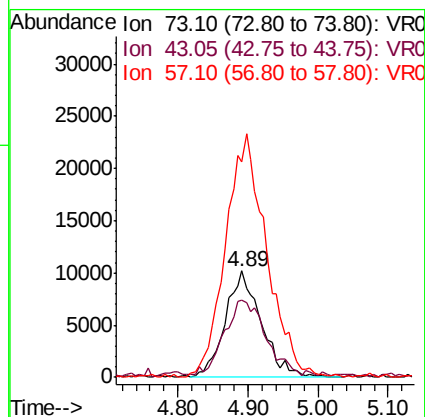
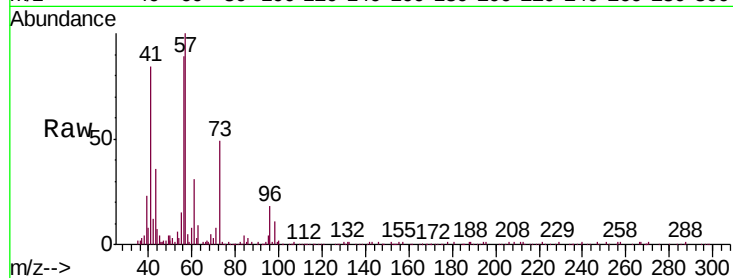


#17

Methyl tert-butyl Ether
 Concen: 0.646 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR026205.D
 Acq: 7 Nov 2018 15:36

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D05

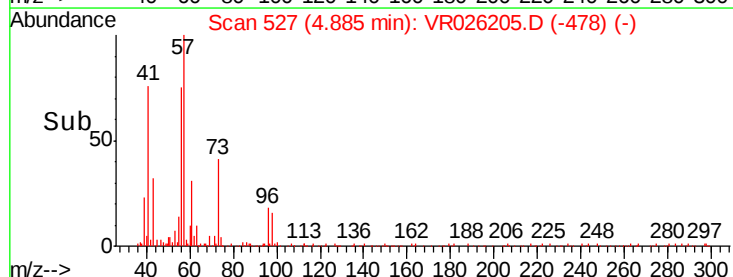
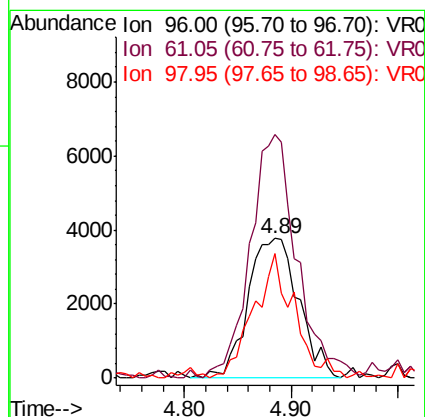
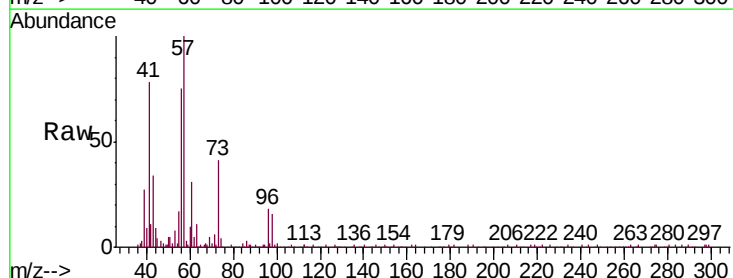
Tgt Ion: 73 Resp: 36185
 Ion Ratio Lower Upper
 73 100
 43 80.8 20.1 30.1#
 57 261.1 19.0 28.4#

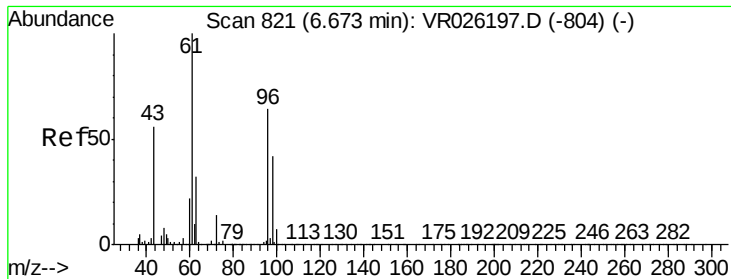


#18

trans-1,2-Dichloroethene
 Concen: 0.269 ug/L
 RT: 4.89 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VR026205.D
 Acq: 7 Nov 2018 15:36

Tgt Ion: 96 Resp: 12573
 Ion Ratio Lower Upper
 96 100
 61 174.4 111.4 206.8
 98 89.0 41.4 77.0#



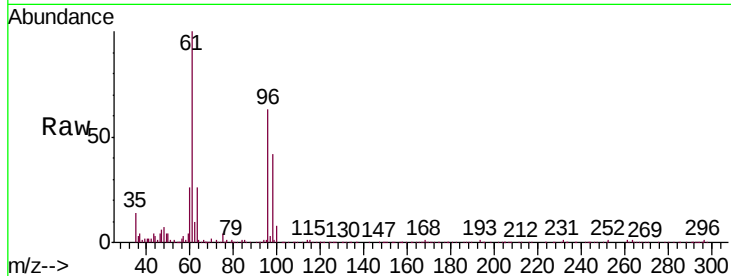


#22

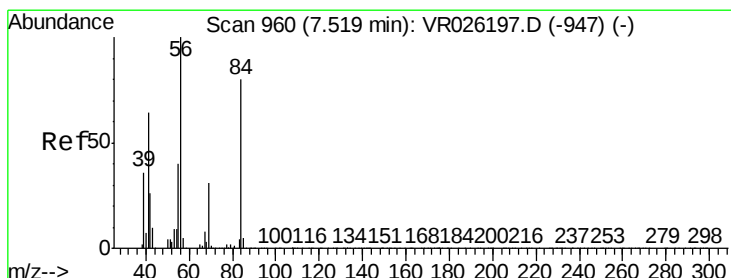
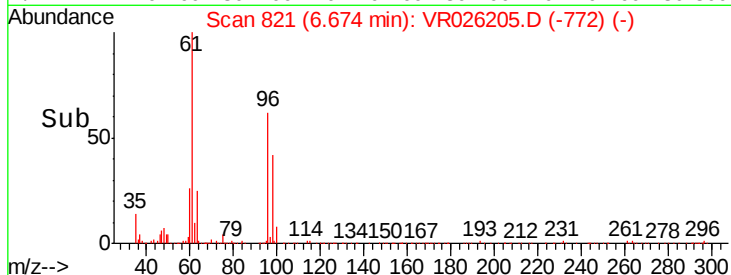
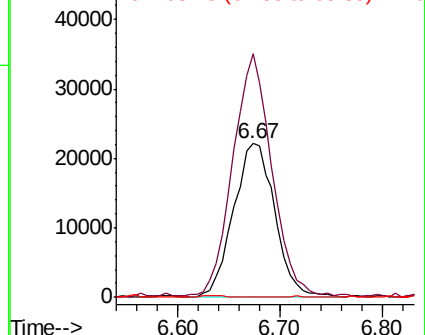
cis-1,2-Dichloroethene
Concen: 1.405 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026205.D
Acq: 7 Nov 2018 15:36

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Tgt Ion: 96 Resp: 62058
Ion Ratio Lower Upper
96 100
61 158.4 101.8 189.0
68 0.5 0.1 0.3#



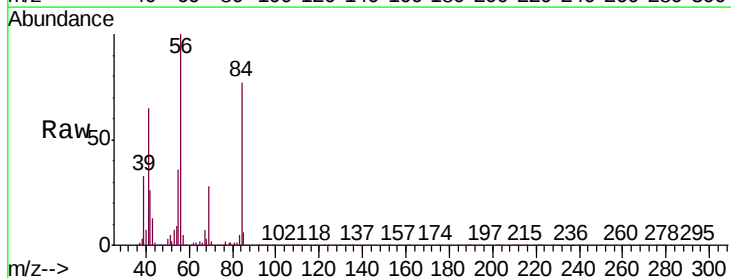
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



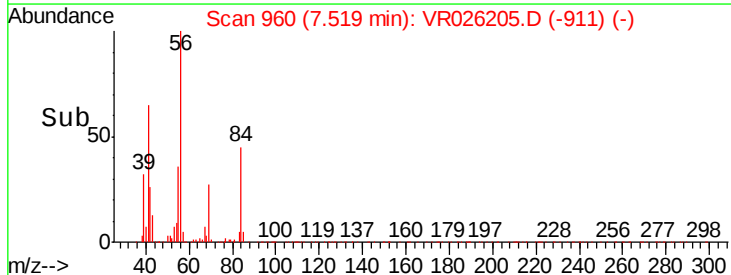
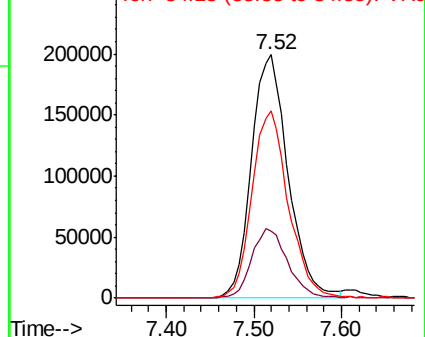
#30

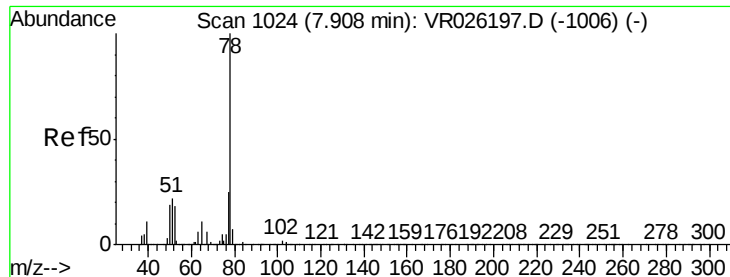
Cyclohexane
Concen: 7.470 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026205.D
Acq: 7 Nov 2018 15:36

Tgt Ion: 56 Resp: 577868
Ion Ratio Lower Upper
56 100
69 28.3 23.8 35.8
84 76.6 62.2 93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





#33

Benzene

Concen: 3.177 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

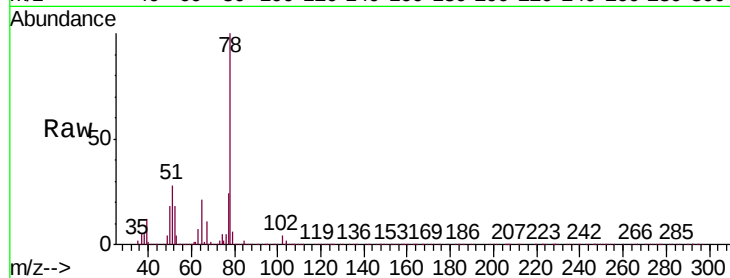
Instrument :

MSVOA_R

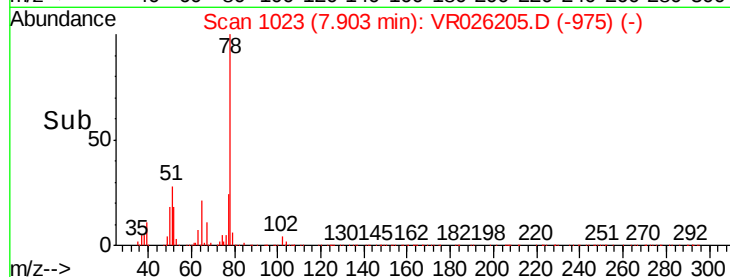
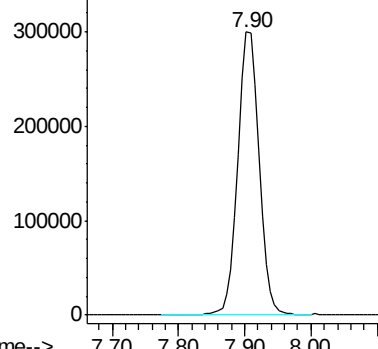
ClientSampleId :

F9D05

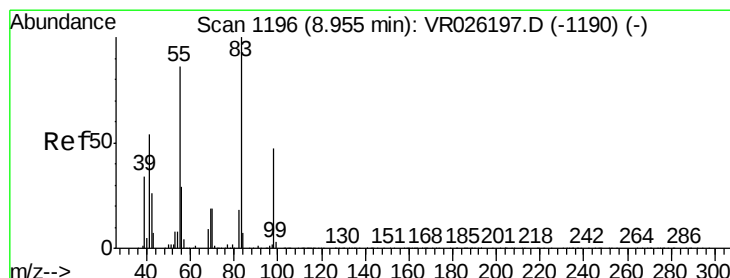
Tgt Ion: 78 Resp: 672399



Abundance Ion 78.10 (77.80 to 78.80): VR0



Time-->



#35

Methylcyclohexane

Concen: 5.682 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

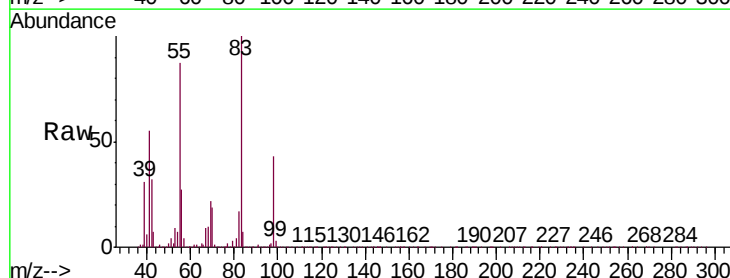
Tgt Ion: 83 Resp: 458174

Ion	Ratio	Lower	Upper
83	100		
55	88.7	66.8	100.2
98	45.3	35.2	52.8

83 100

55 88.7 66.8 100.2

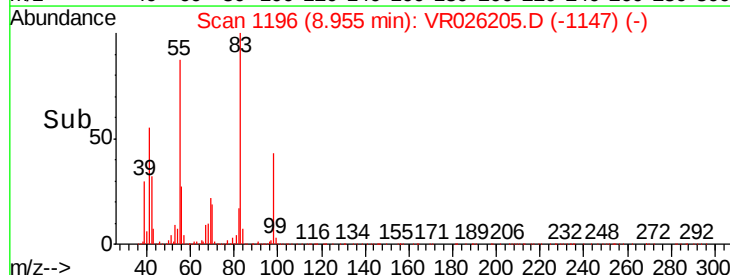
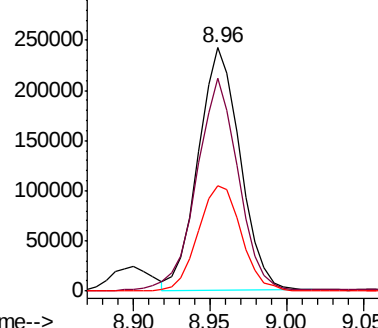
98 45.3 35.2 52.8



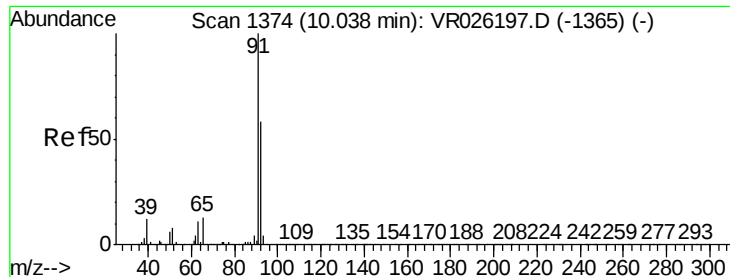
Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0



Time-->



#42

Toluene

Concen: 0.319 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

Instrument :

MSVOA_R

ClientSampleId :

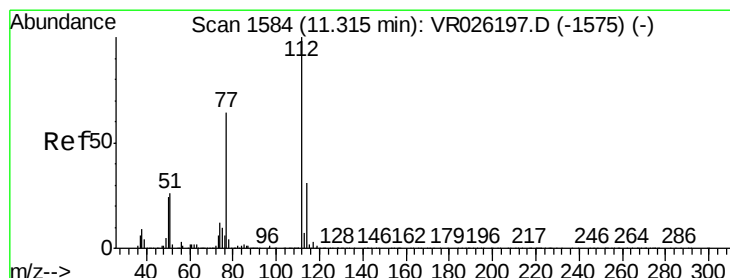
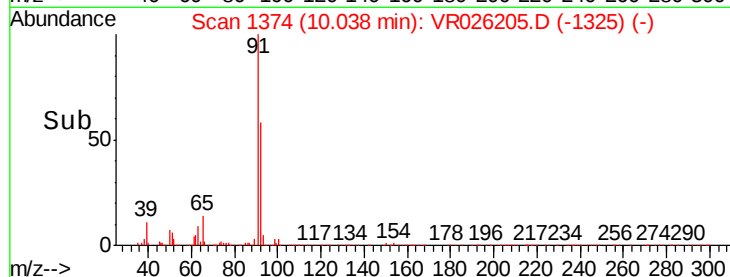
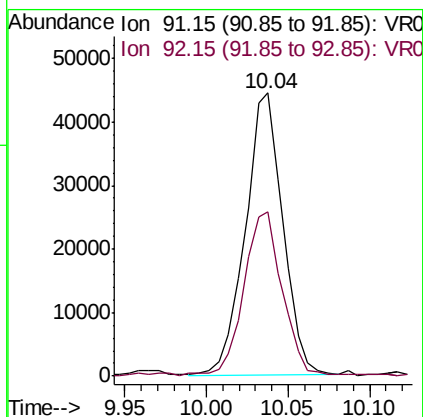
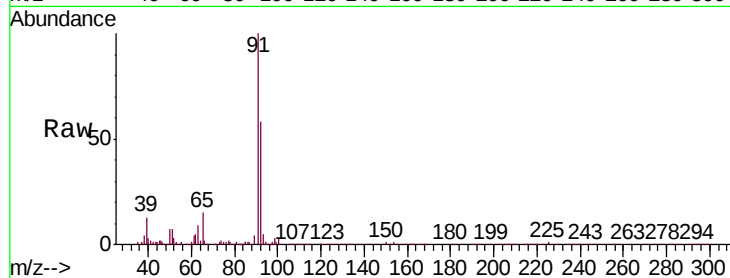
F9D05

Tgt Ion: 91 Resp: 71345

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#51

Chlorobenzene

Concen: 35.408 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

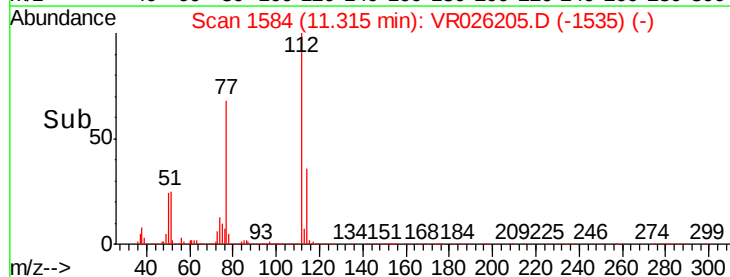
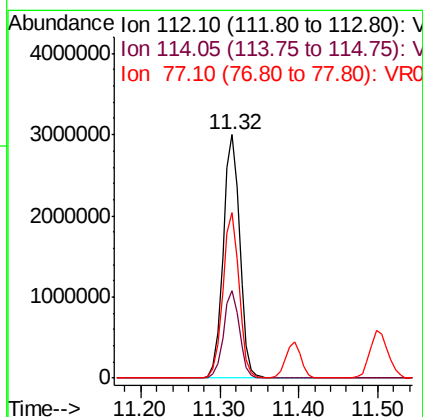
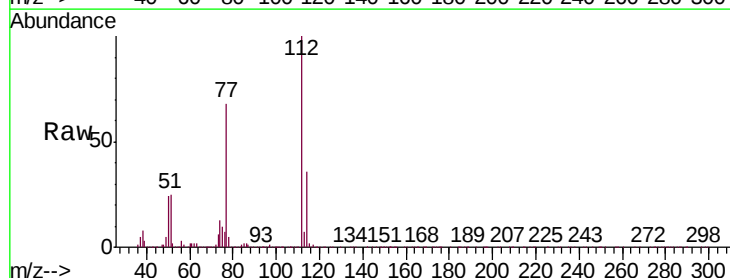
Tgt Ion: 112 Resp: 4378071

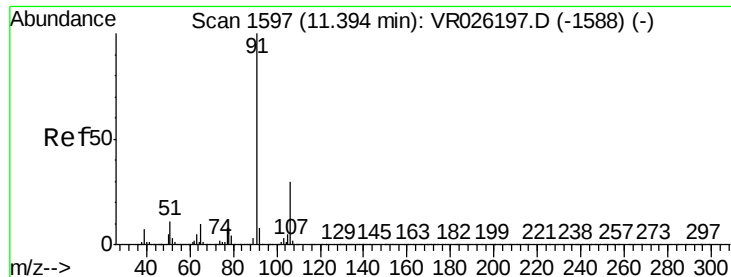
Ion Ratio Lower Upper

112 100

114 35.7 22.8 42.4

77 67.7 51.5 77.3





#52

Ethylbenzene

Concen: 22.210 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

Instrument :

MSVOA_R

ClientSampleId :

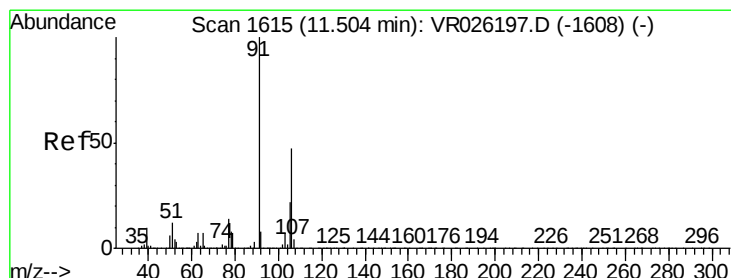
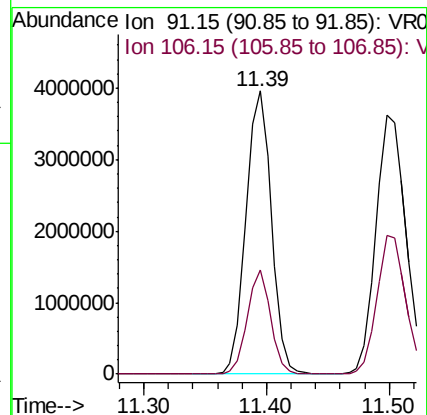
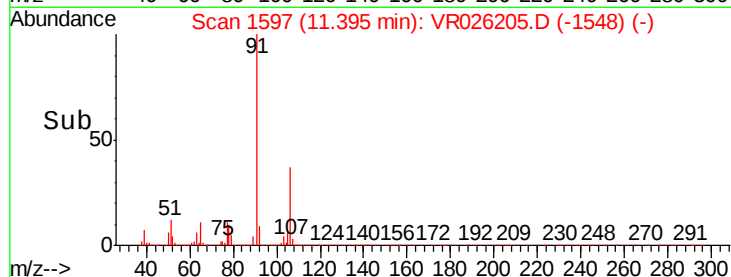
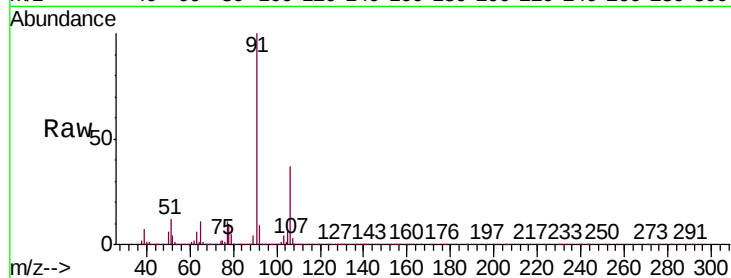
F9D05

Tgt Ion: 91 Resp: 5704431

Ion Ratio Lower Upper

91 100

106 36.6 21.2 39.4



#53

m,p-Xylene

Concen: 33.863 ug/L

RT: 11.50 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VR026205.D

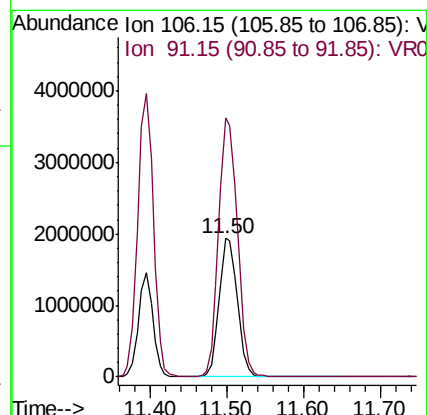
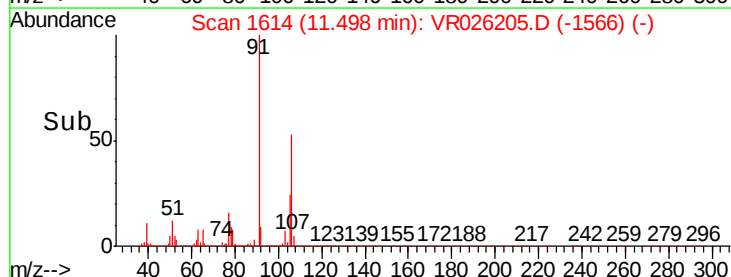
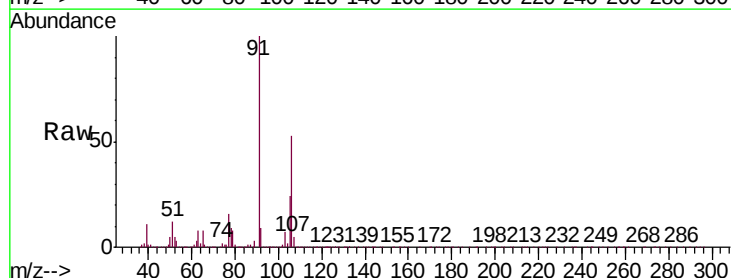
Acq: 7 Nov 2018 15:36

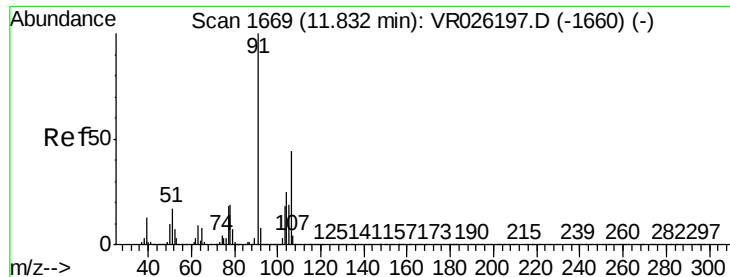
Tgt Ion: 106 Resp: 3168927

Ion Ratio Lower Upper

106 100

91 187.7 145.3 269.8

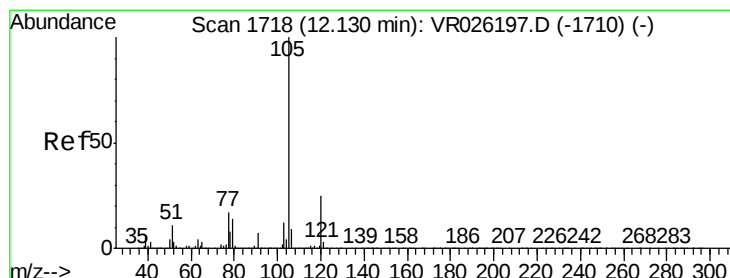
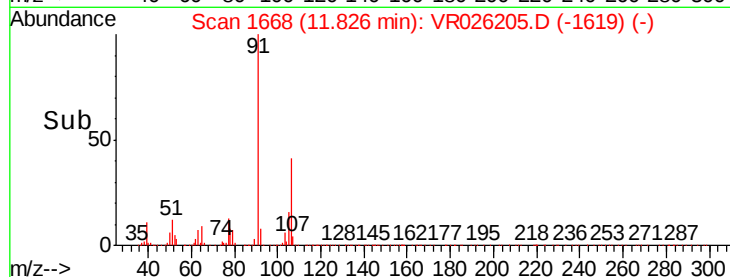
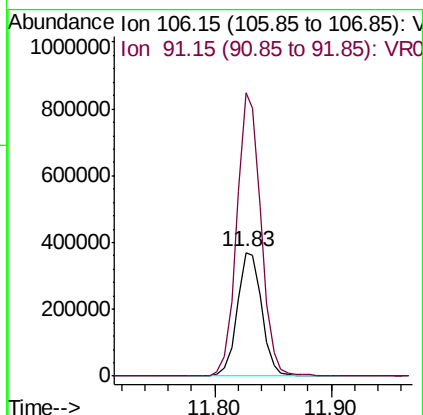
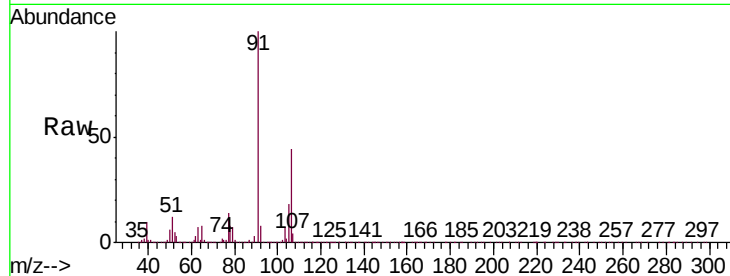




#54
o-Xylene
Concen: 6.266 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026205.D
Acq: 7 Nov 2018 15:36

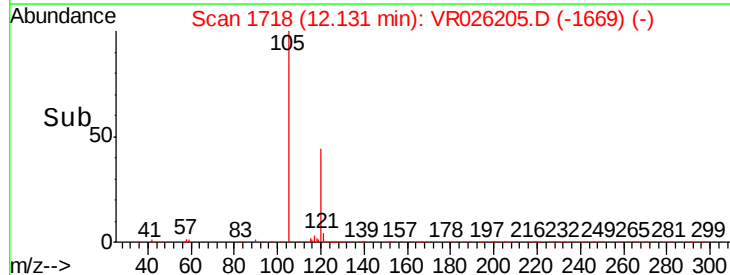
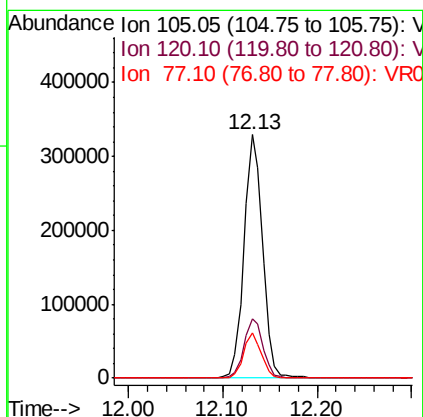
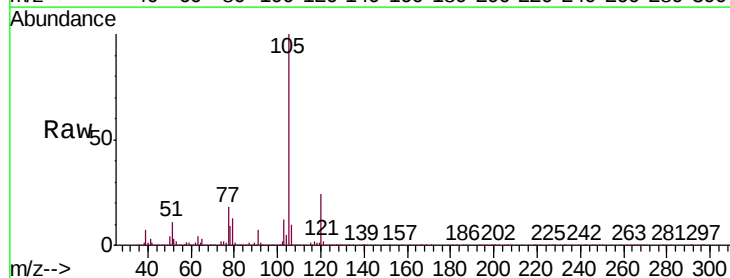
Instrument :
MSVOA_R
ClientSampled :
F9D05

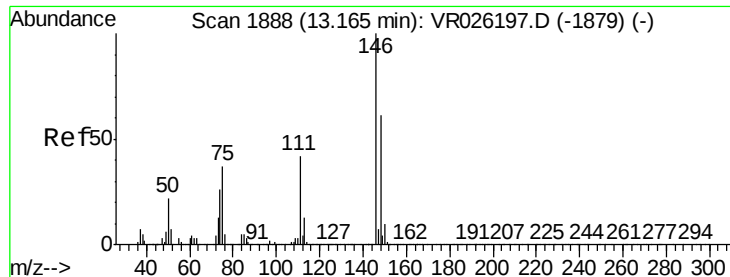
Tgt Ion:106 Resp: 537604
Ion Ratio Lower Upper
106 100
91 229.4 155.8 289.3



#56
Isopropylbenzene
Concen: 1.897 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VR026205.D
Acq: 7 Nov 2018 15:36

Tgt Ion:105 Resp: 452138
Ion Ratio Lower Upper
105 100
120 25.0 21.0 31.4
77 17.5 14.6 21.8

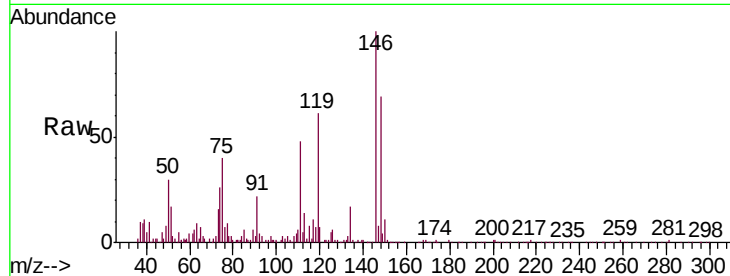




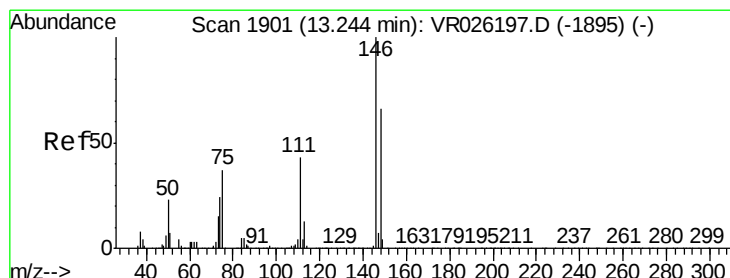
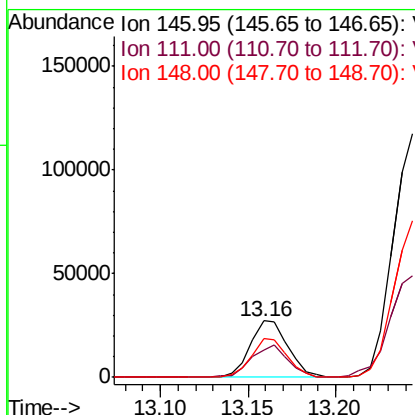
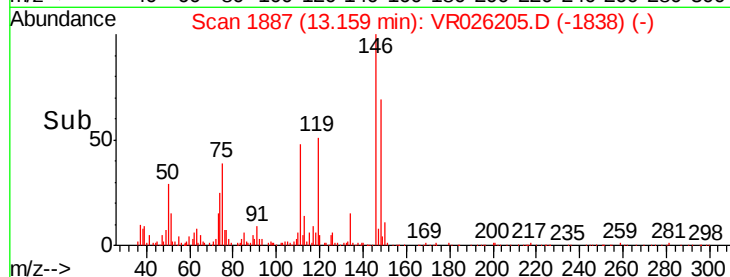
#62
 1,3-Dichlorobenzene
 Concen: 0.498 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VR026205.D
 Acq: 7 Nov 2018 15:36

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D05

Tgt Ion:146 Resp: 40942
 Ion Ratio Lower Upper
 146 100
 111 48.3 32.1 59.7
 148 68.8 43.8 81.3

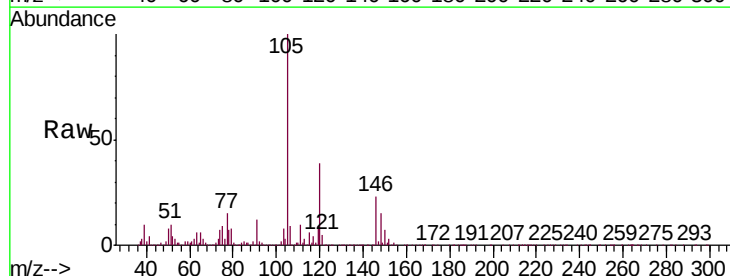


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

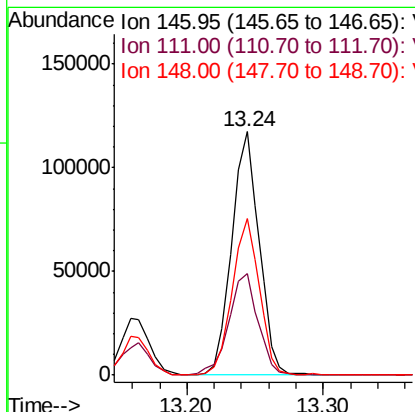
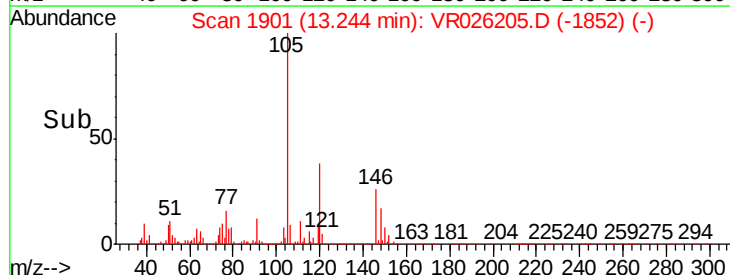


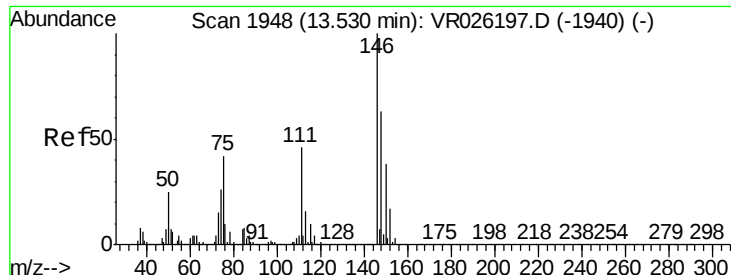
#63
 1,4-Dichlorobenzene
 Concen: 1.926 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026205.D
 Acq: 7 Nov 2018 15:36

Tgt Ion:146 Resp: 164097
 Ion Ratio Lower Upper
 146 100
 111 41.7 32.6 60.6
 148 64.1 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: 6.850 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026205.D

Acq: 7 Nov 2018 15:36

Instrument :

MSVOA_R

ClientSampleId :

F9D05

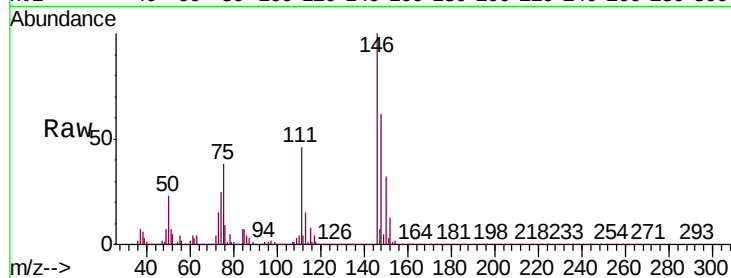
Tgt Ion:146 Resp: 452173

Ion Ratio Lower Upper

146 100

111 45.6 35.2 52.8

148 61.7 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

