

Data File : VR026202.D
Acq On : 7 Nov 2018 13:25
Operator : SY/MD
Sample : J5801-02DL 40X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D01DL

Quant Time: Nov 07 13:53:28 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	626281	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	508468	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	203618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	197828	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	2.63	69	204880	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	3.61	63	390288	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	6.59	46	257908	57.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.62%
24) Chloroform-d	7.20	84	381321	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	7.90	65	189573	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	7.85	84	754355	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	8.89	67	211254	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	9.97	98	669493	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	10.24	79	49832	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	10.59	63	200034	62.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.22%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	87445	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	160818	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

						Qvalue
5) Vinyl chloride	2.15	62	11537	0.173	ug/L #	60
13) Acetone	3.70	43	7547	1.622	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	11017	0.253	ug/L #	70
27) 1,2-Dichloroethane	7.90	62	76930	1.862	ug/L #	81
30) Cyclohexane	7.51	56	34098	0.489	ug/L	94
33) Benzene	7.91	78	6927855	36.312	ug/L	100
35) Methylcyclohexane	8.95	83	19719	0.271	ug/L	88
37) 1,2-Dichloropropane	8.90	63	27324	0.679	ug/L #	91
42) Toluene	10.03	91	3575898	17.758	ug/L	97
48) 2-Hexanone	10.59	43	31780	3.958	ug/L #	70
52) Ethylbenzene	11.39	91	716320	3.093	ug/L	99
53) m,p-Xylene	11.50	106	564031	6.685	ug/L	99
54) o-Xylene	11.83	106	217093	2.807	ug/L	97
55) Styrene	11.84	104	36158	0.304	ug/L #	1
56) Isopropylbenzene	12.13	105	22443	0.104	ug/L #	95
63) 1,4-Dichlorobenzene	13.24	146	6908	0.099	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	51087	0.941	ug/L	97

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

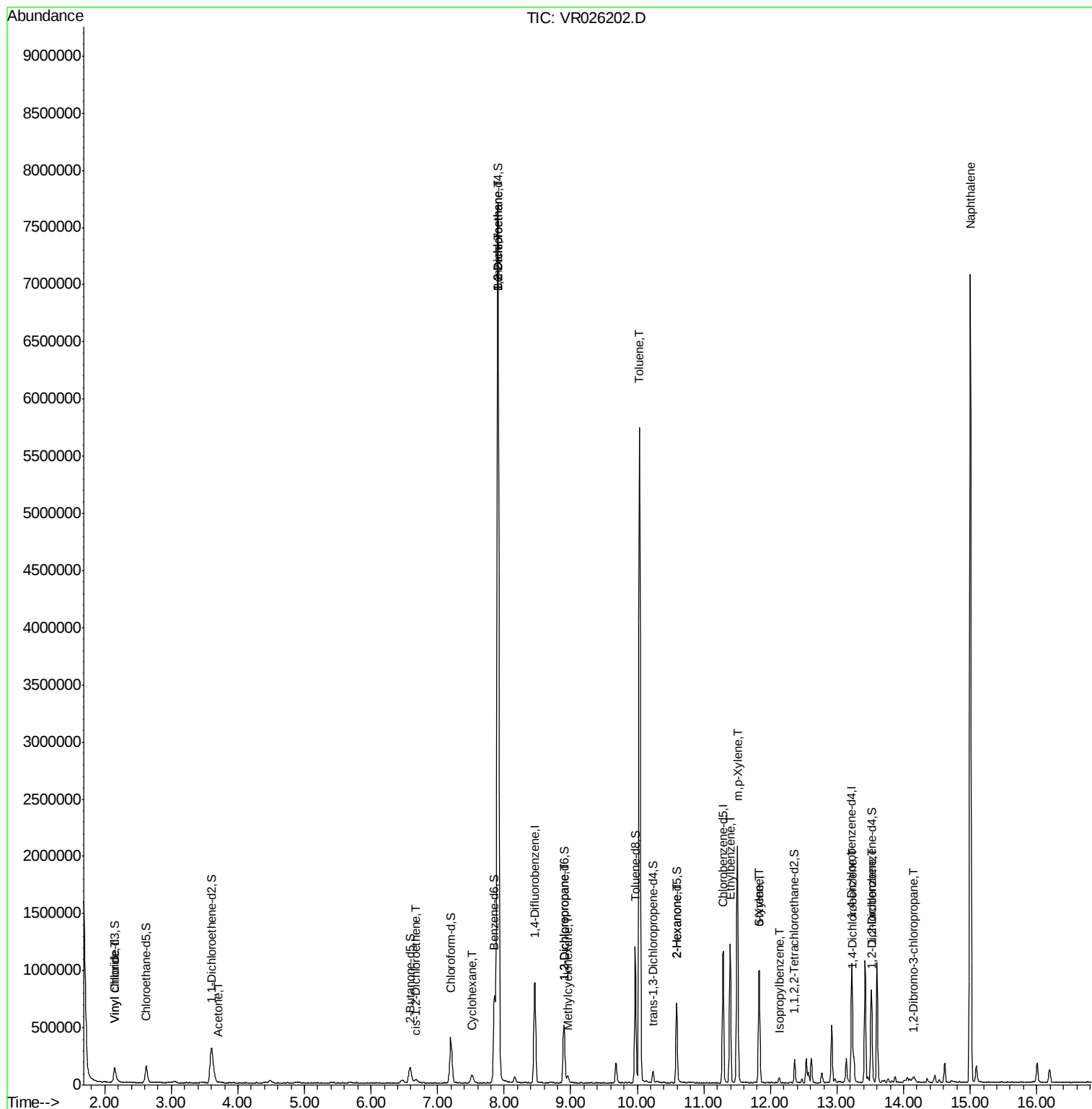
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	14.14	75	1956	0.884	ug/L	# 33
69) Naphthalene	15.00	128	4421391	189.265	ug/L	99

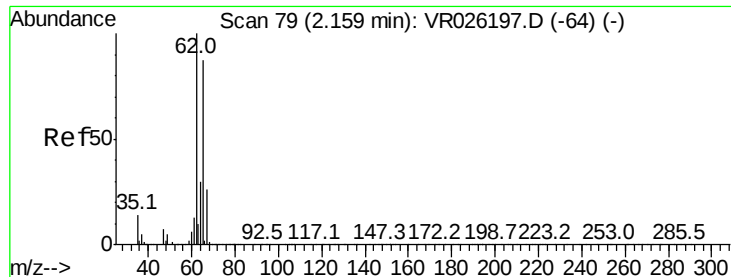
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.173 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleID :

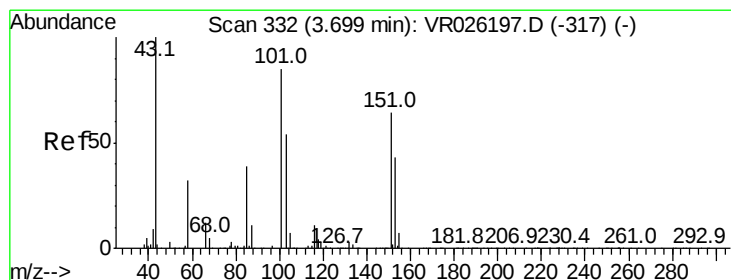
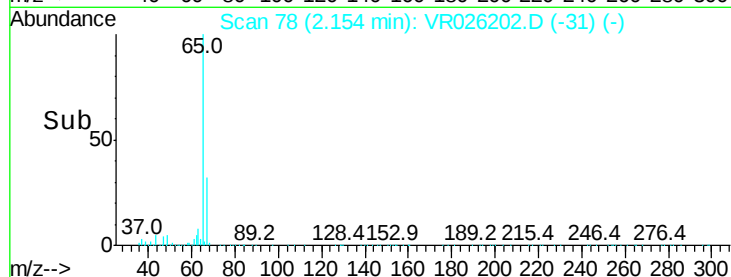
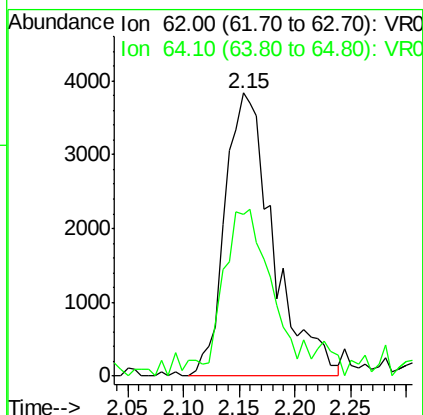
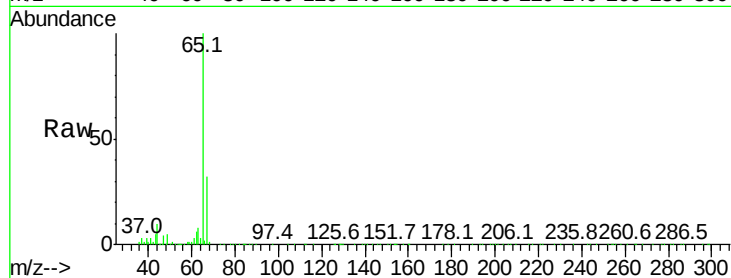
F9D01DL

Tgt Ion: 62 Resp: 11537

Ion Ratio Lower Upper

62 100

64 57.1 23.9 44.3#



#13

Acetone

Concen: 1.622 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR026202.D

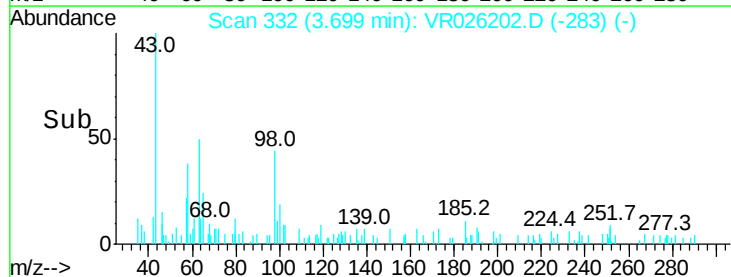
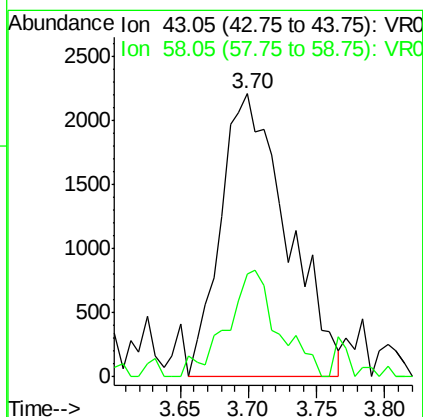
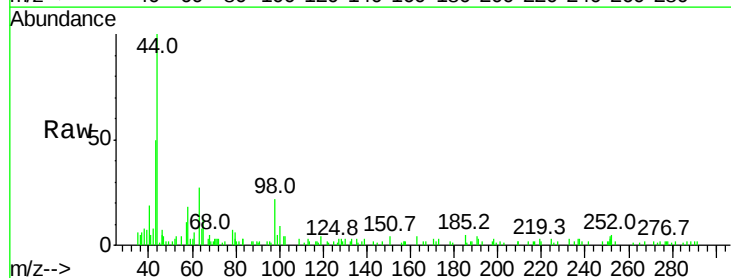
Acq: 7 Nov 2018 13:25

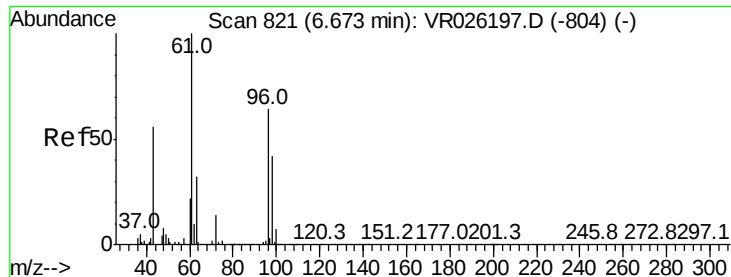
Tgt Ion: 43 Resp: 7547

Ion Ratio Lower Upper

43 100

58 28.9 0.0 55.4



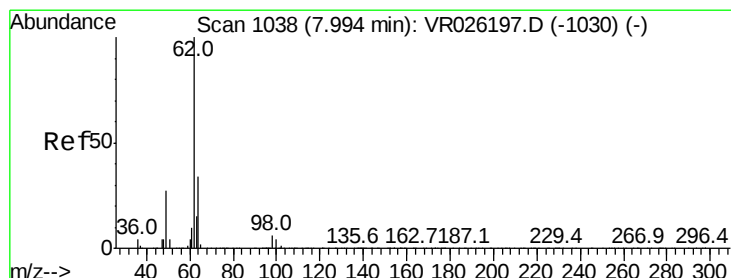
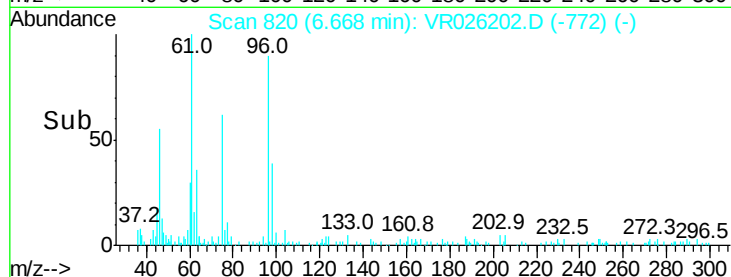
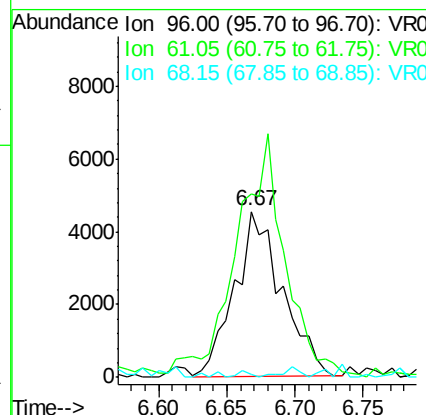
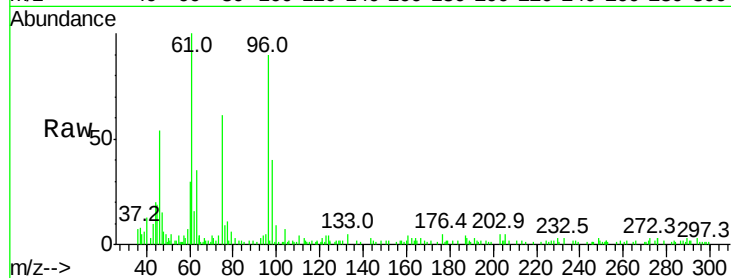


#22

cis-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Instrument :
MSVOA_R
ClientSampleID :
F9D01DL

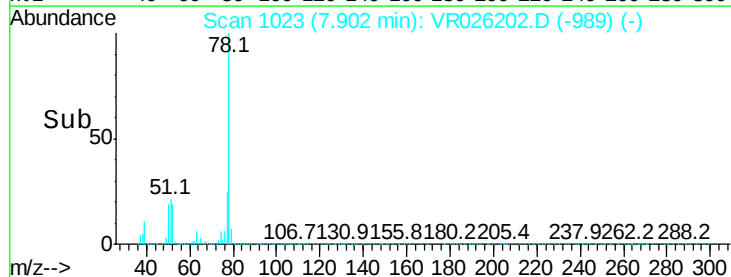
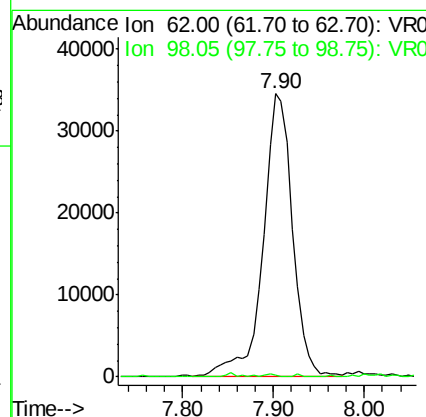
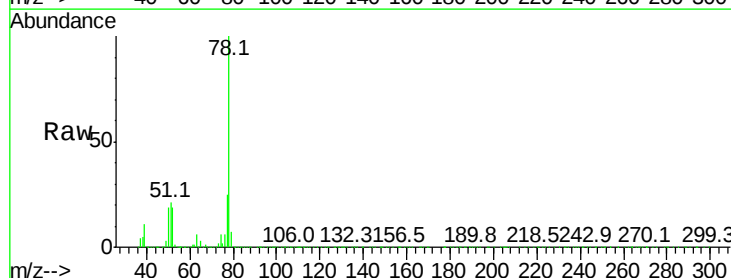
Tgt Ion: 96 Resp: 11017
Ion Ratio Lower Upper
96 100
61 107.6 101.8 189.0
68 2.1 0.1 0.3#

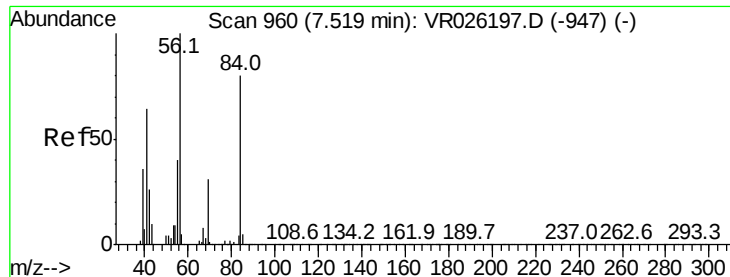


#27

1,2-Dichloroethane
Concen: 1.862 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.09 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Tgt Ion: 62 Resp: 76930
Ion Ratio Lower Upper
62 100
98 0.5 5.6 8.4#

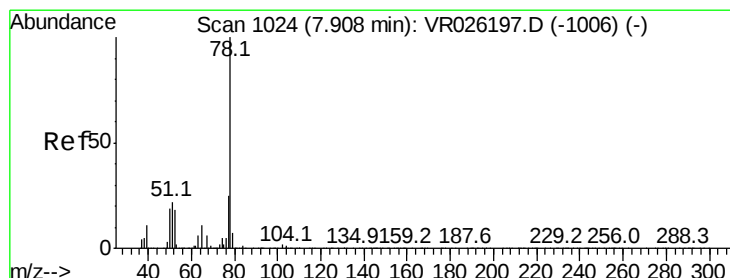
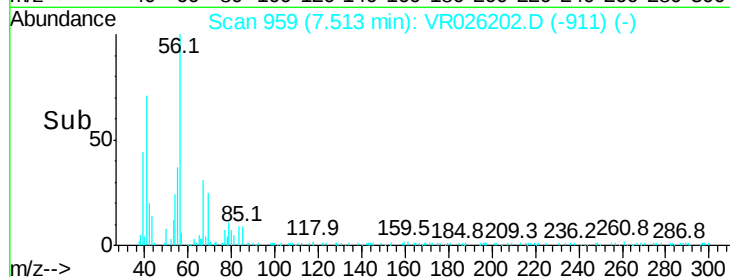
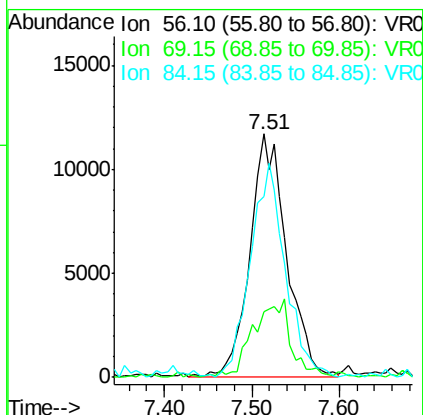
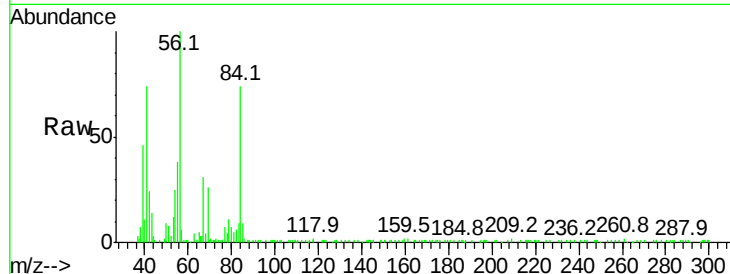




#30
Cyclohexane
Concen: 0.489 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

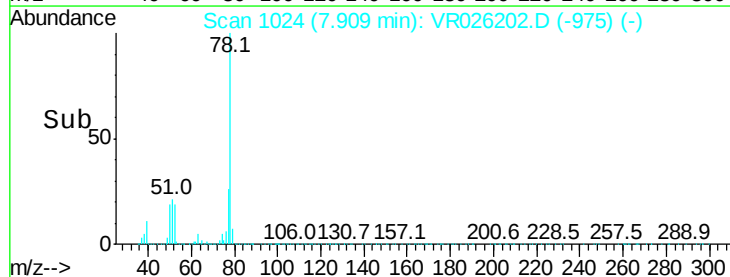
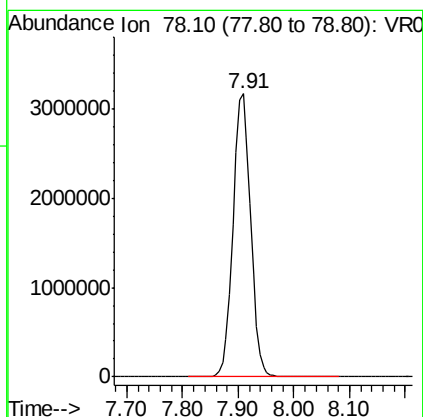
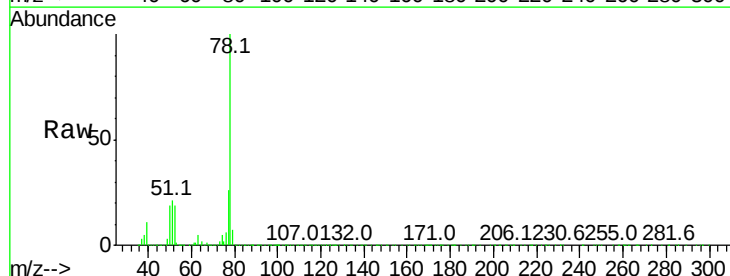
Instrument :
MSVOA_R
ClientSampleId :
F9D01DL

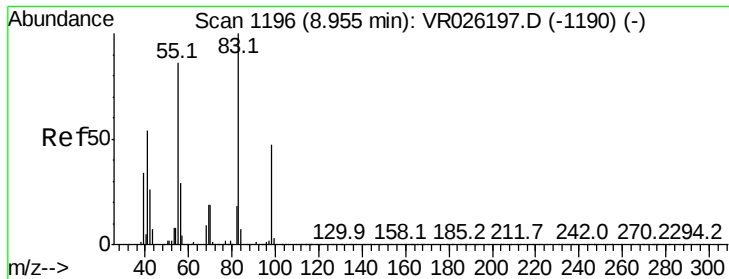
Tgt Ion	Resp	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	84.0	62.2	93.4



#33
Benzene
Concen: 36.312 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Tgt Ion: 78 Resp: 6927855

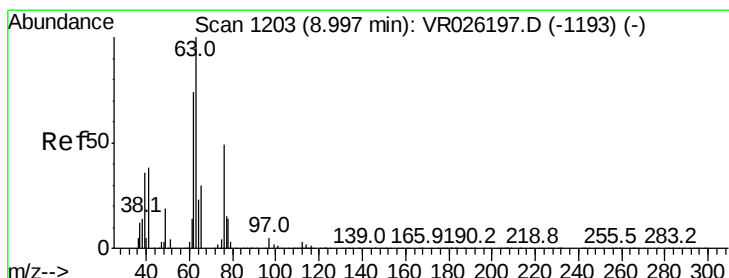
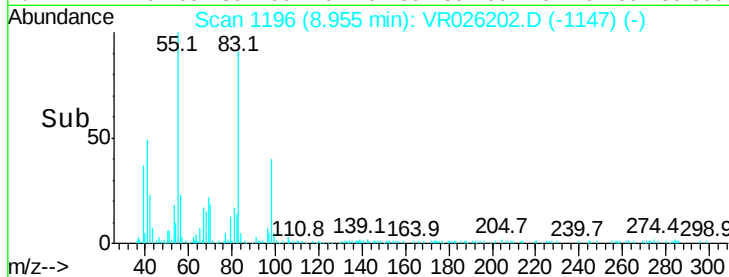
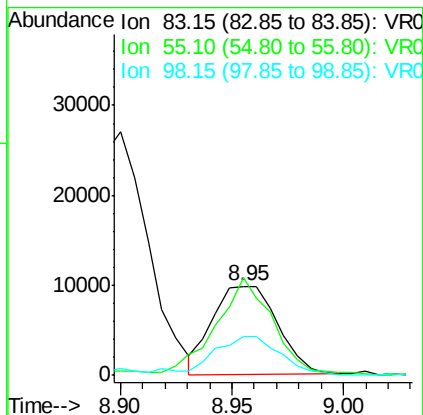
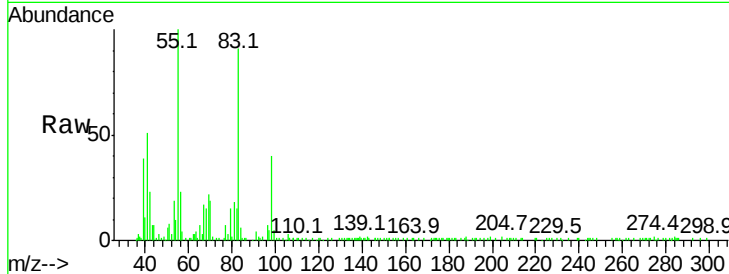




#35
Methylcyclohexane
Concen: 0.271 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

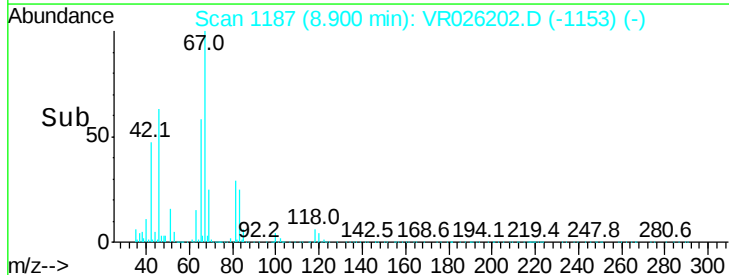
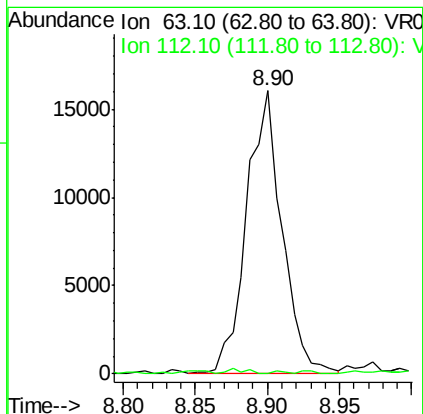
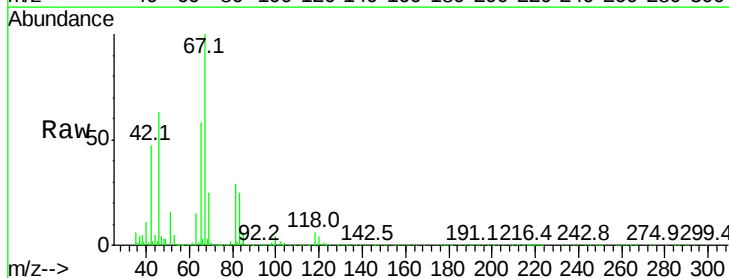
Instrument :
MSVOA_R
ClientSampleId :
F9D01DL

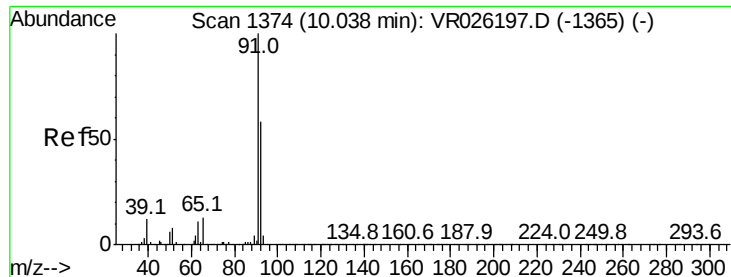
Tgt Ion: 83 Resp: 19719
Ion Ratio Lower Upper
83 100
55 98.0 66.8 100.2
98 47.1 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.09 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Tgt Ion: 63 Resp: 27324
Ion Ratio Lower Upper
63 100
112 0.3 2.7 4.1#





#42

Toluene

Concen: 17.758 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

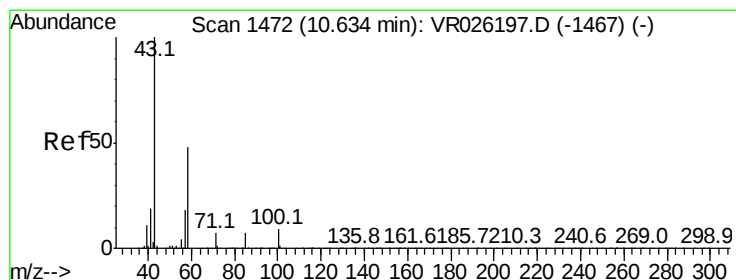
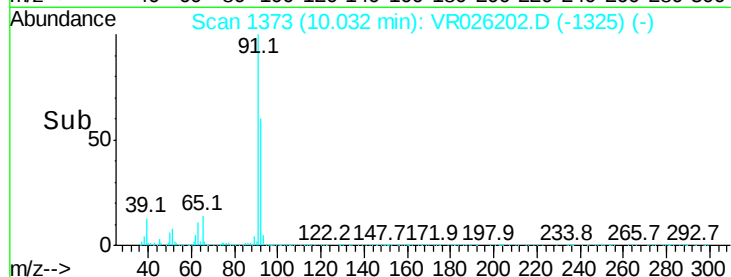
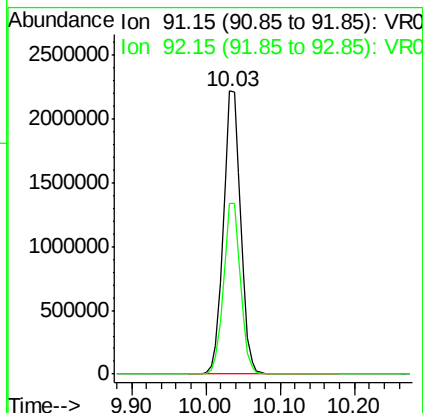
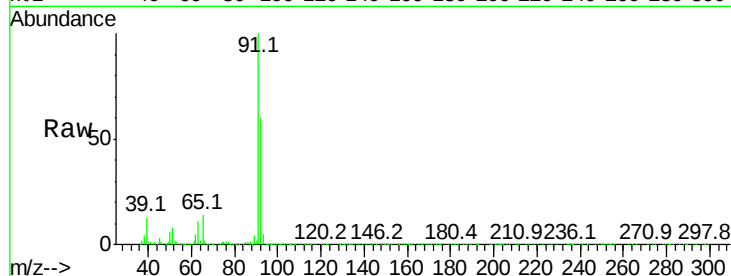
F9D01DL

Tgt Ion: 91 Resp: 3575898

Ion Ratio Lower Upper

91 100

92 60.3 40.8 75.8



#48

2-Hexanone

Concen: 3.958 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Tgt Ion: 43 Resp: 31780

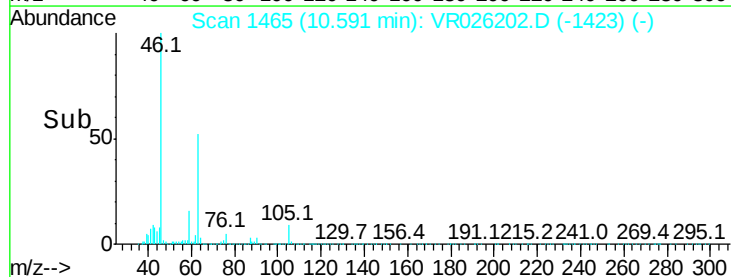
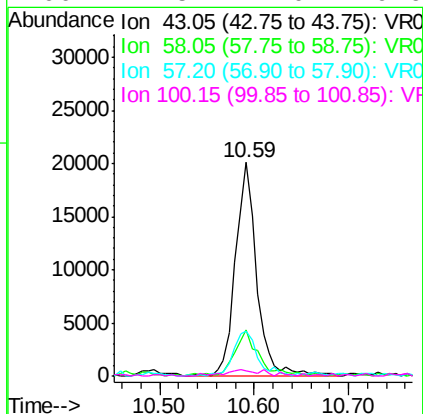
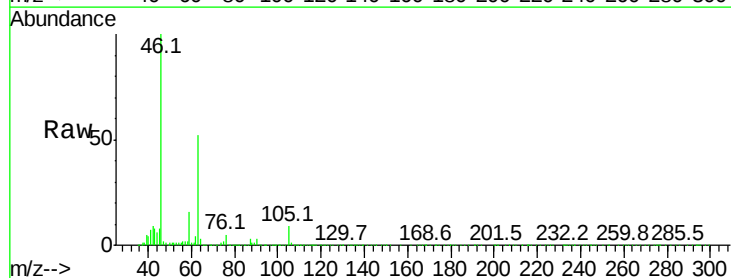
Ion Ratio Lower Upper

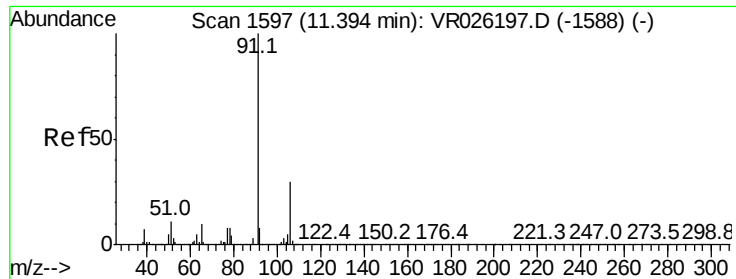
43 100

58 23.8 39.6 59.4#

57 23.8 14.0 21.0#

100 2.5 7.0 10.6#





#52

Ethylbenzene

Concen: 3.093 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Instrument :

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ClientSampleId :

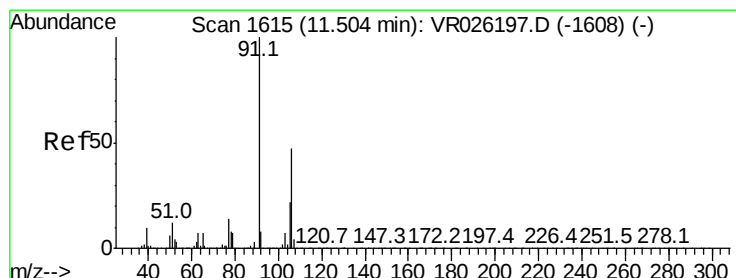
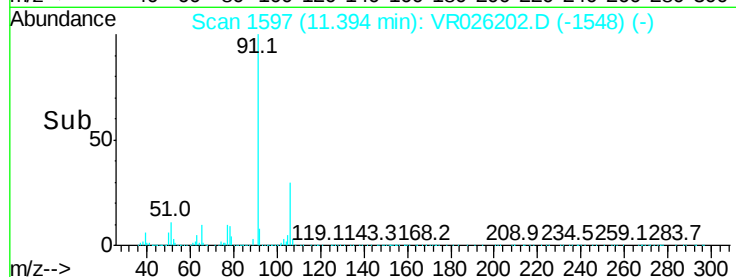
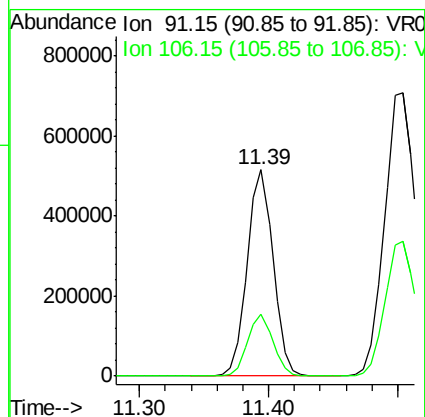
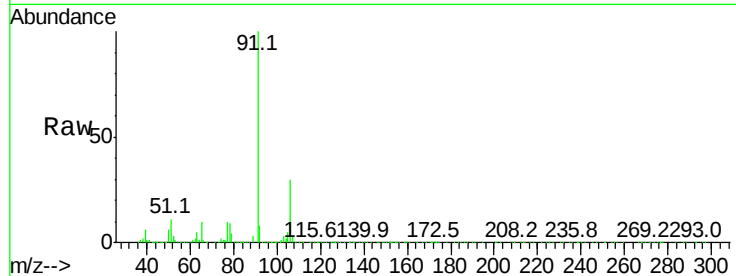
F9D01DL

Tgt Ion: 91 Resp: 716320

Ion Ratio Lower Upper

91 100

106 29.8 21.2 39.4



#53

m,p-Xylene

Concen: 6.685 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026202.D

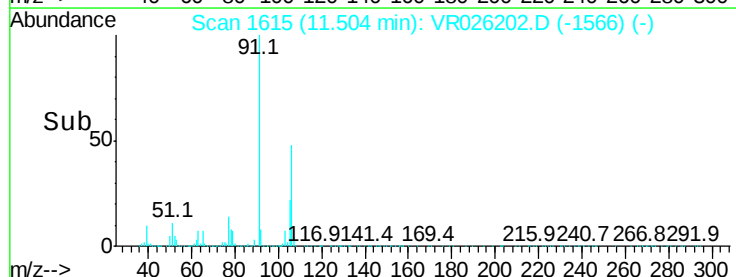
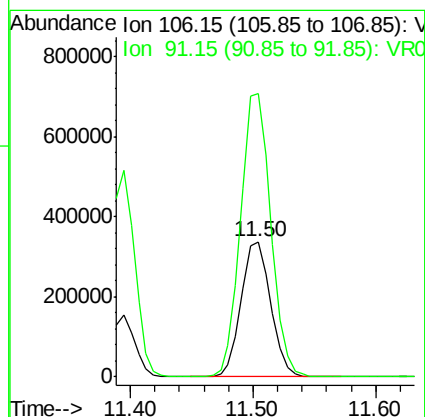
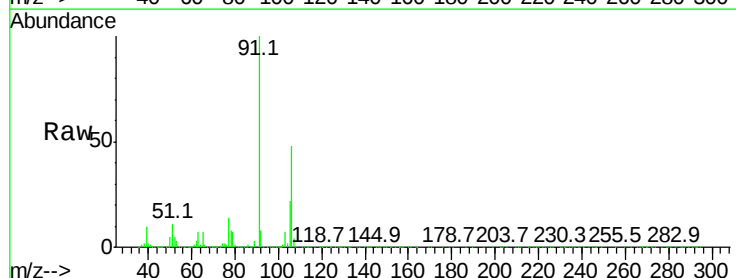
Acq: 7 Nov 2018 13:25

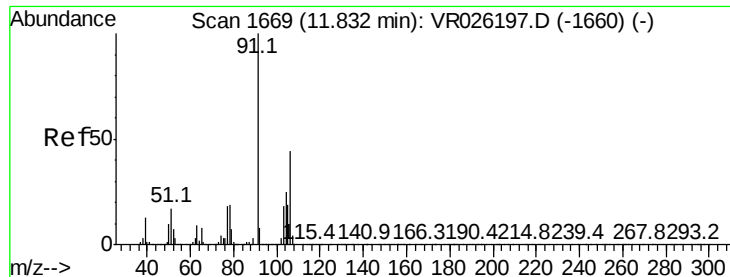
Tgt Ion: 106 Resp: 564031

Ion Ratio Lower Upper

106 100

91 209.4 145.3 269.8

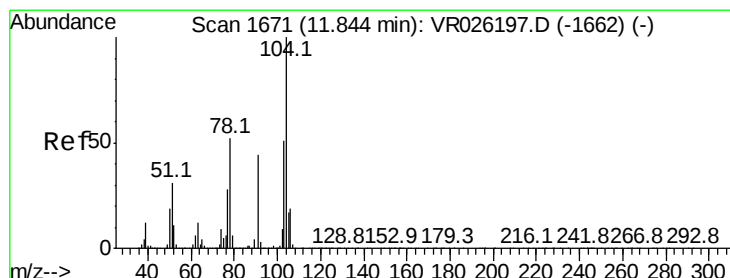
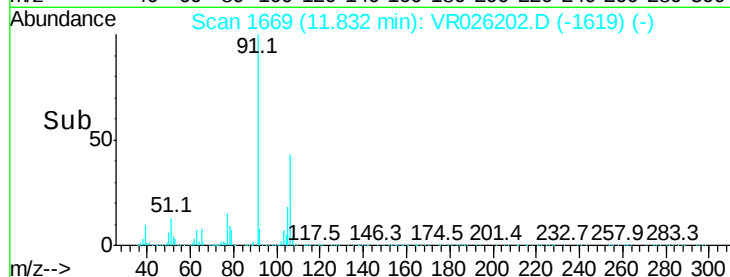
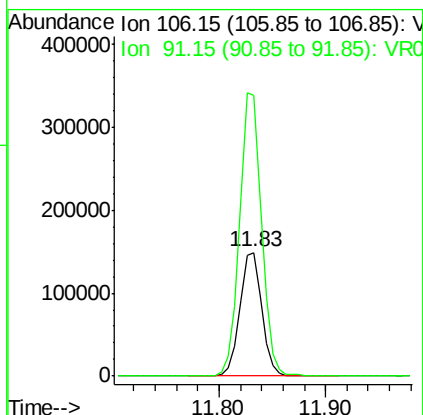
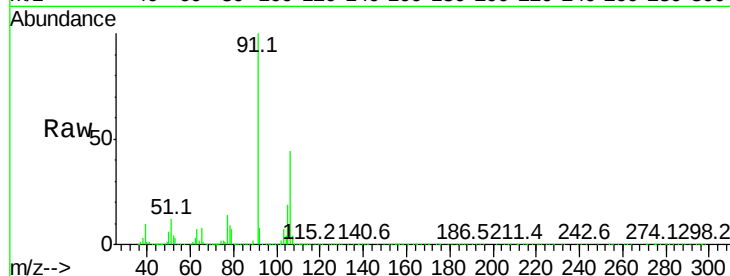




#54
o-Xylene
Concen: 2.807 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

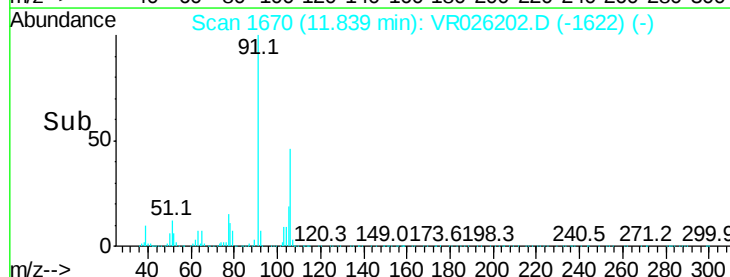
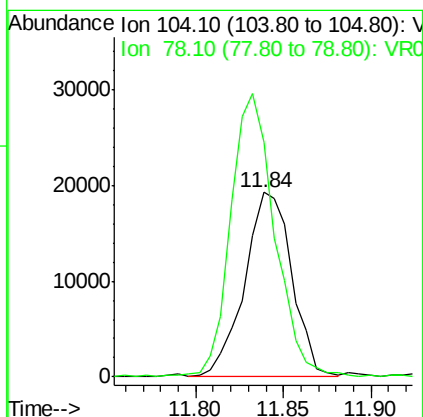
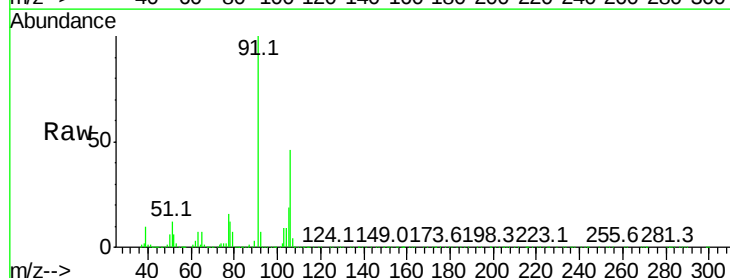
Instrument :
MSVOA_R
ClientSampleId :
F9D01DL

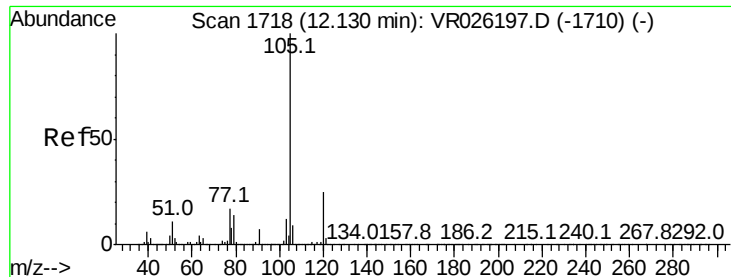
Tgt Ion:106 Resp: 217093
Ion Ratio Lower Upper
106 100
91 227.2 155.8 289.3



#55
Styrene
Concen: 0.304 ug/L
RT: 11.84 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Tgt Ion:104 Resp: 36158
Ion Ratio Lower Upper
104 100
78 127.7 34.7 64.5#





#56

Isopropylbenzene

Concen: 0.104 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

F9D01DL

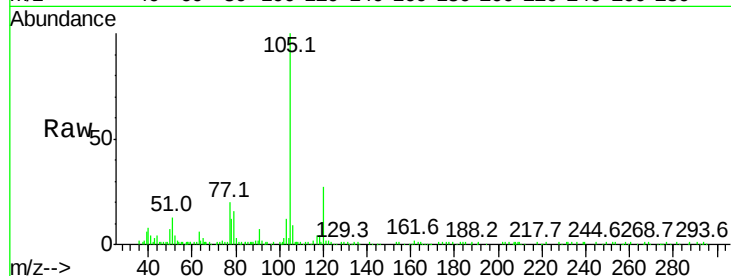
Tgt Ion:105 Resp: 22443

Ion Ratio Lower Upper

105 100

120 25.1 21.0 31.4

77 22.0 14.6 21.8#

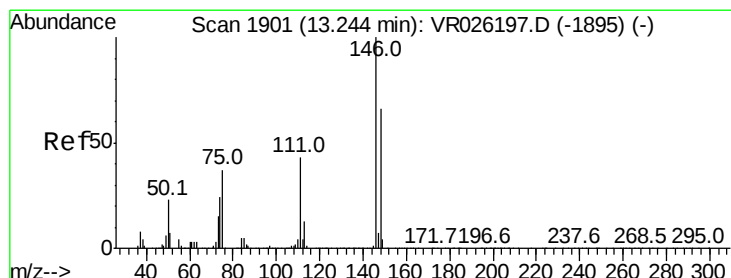
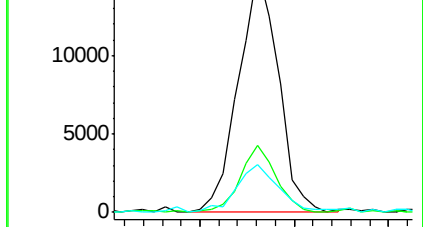
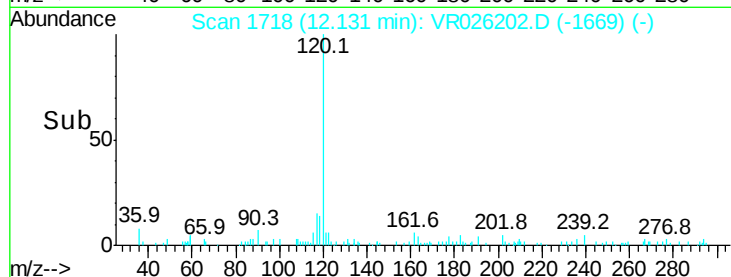


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#63

1,4-Dichlorobenzene

Concen: 0.099 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

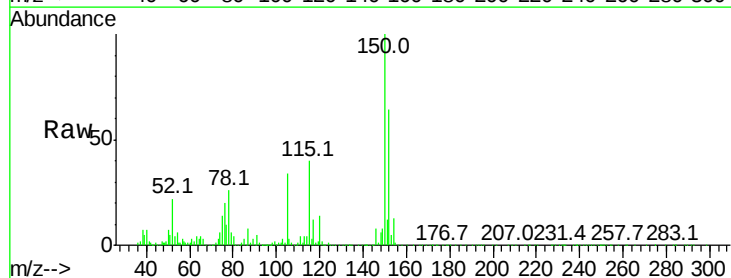
Tgt Ion:146 Resp: 6908

Ion Ratio Lower Upper

146 100

111 45.6 32.6 60.6

148 65.8 46.7 86.7

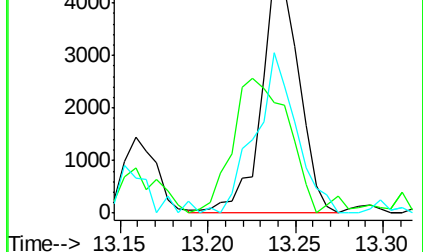
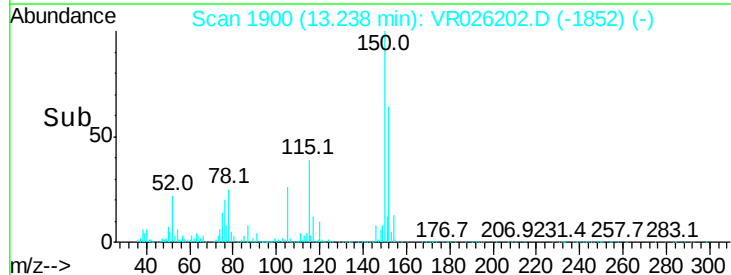


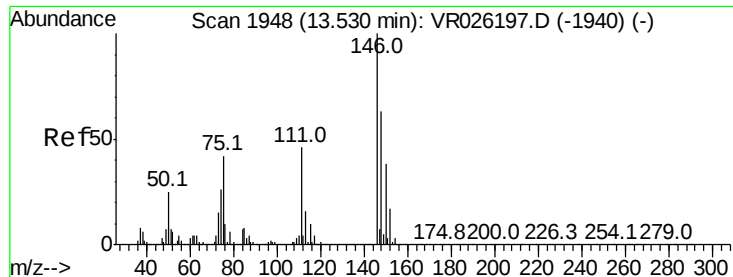
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

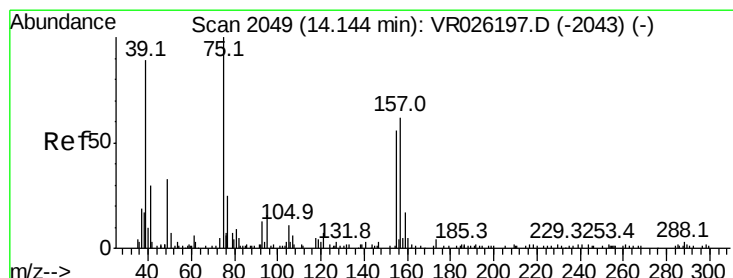
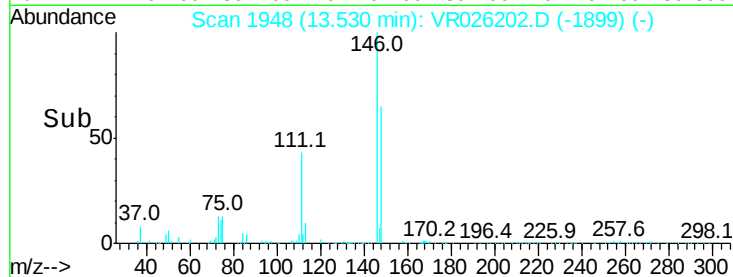
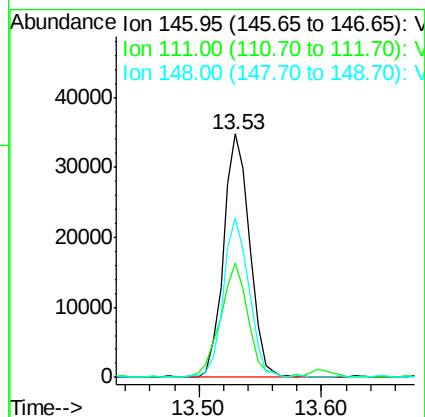
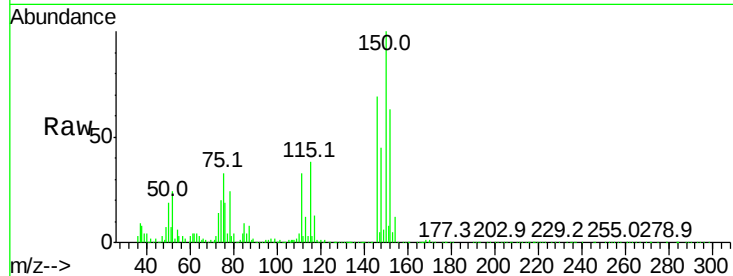




#65
1,2-Dichlorobenzene
Concen: 0.941 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

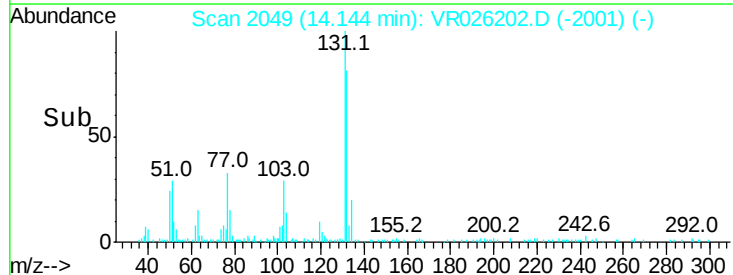
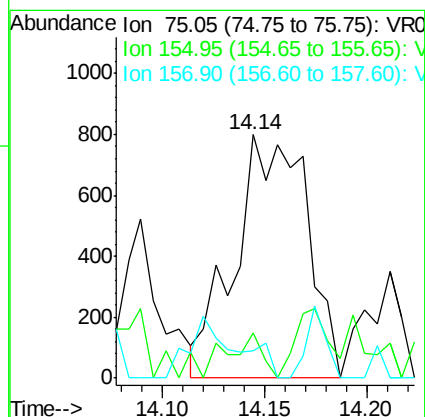
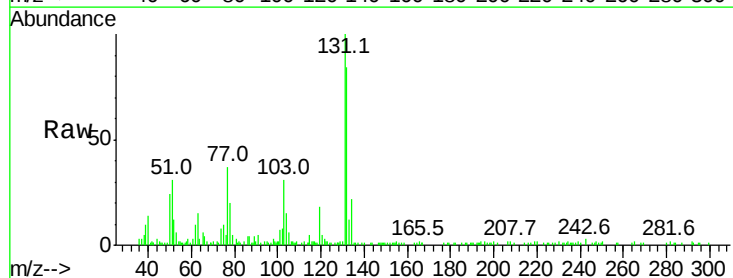
Instrument :
MSVOA_R
ClientSampleId :
F9D01DL

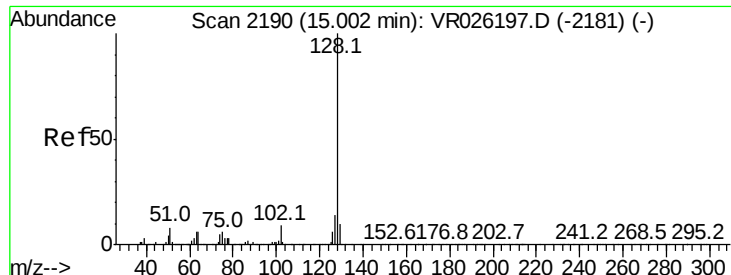
Tgt Ion:146 Resp: 51087
Ion Ratio Lower Upper
146 100
111 47.0 35.2 52.8
148 65.6 51.2 76.8



#66
1,2-Dibromo-3-chloropropane
Concen: 0.884 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: VR026202.D
Acq: 7 Nov 2018 13:25

Tgt Ion: 75 Resp: 1956
Ion Ratio Lower Upper
75 100
155 18.8 40.9 61.3#
157 11.3 67.3 100.9#





#69

Naphthalene

Concen: 189.265 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026202.D

Acq: 7 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

F9D01DL

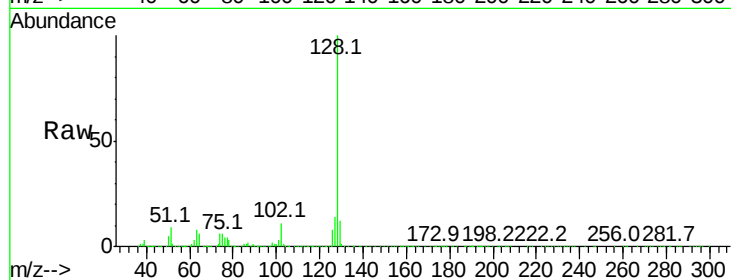
Tgt Ion:128 Resp: 4421391

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.6

129 11.7 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

