

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 08 09:52:26 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
13) Acetone	3.71	43	11310	2.290	ug/L	73
15) Methyl Acetate	4.44	43	37696	2.922	ug/L #	52
17) Methyl tert-butyl Ether	4.89	73	7040	0.120	ug/L #	1
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
34) Trichloroethene	8.46	95	22986	0.441	ug/L #	9
35) Methylcyclohexane	8.95	83	77079	0.992	ug/L	95
44) trans-1,3-Dichloropropene	10.23	75	3077	0.089	ug/L	96
45) 1,1,2-Trichloroethane	10.41	97	3081	0.170	ug/L #	22
48) 2-Hexanone	10.59	43	26597	3.101	ug/L #	70
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

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

Data File : VR026206.D
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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)
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
66) 1,2-Dibromo-3-chloropropan	14.15	75	3645	1.595	ug/L #	20
69) Naphthalene	15.00	128	1085250	44.976	ug/L	99

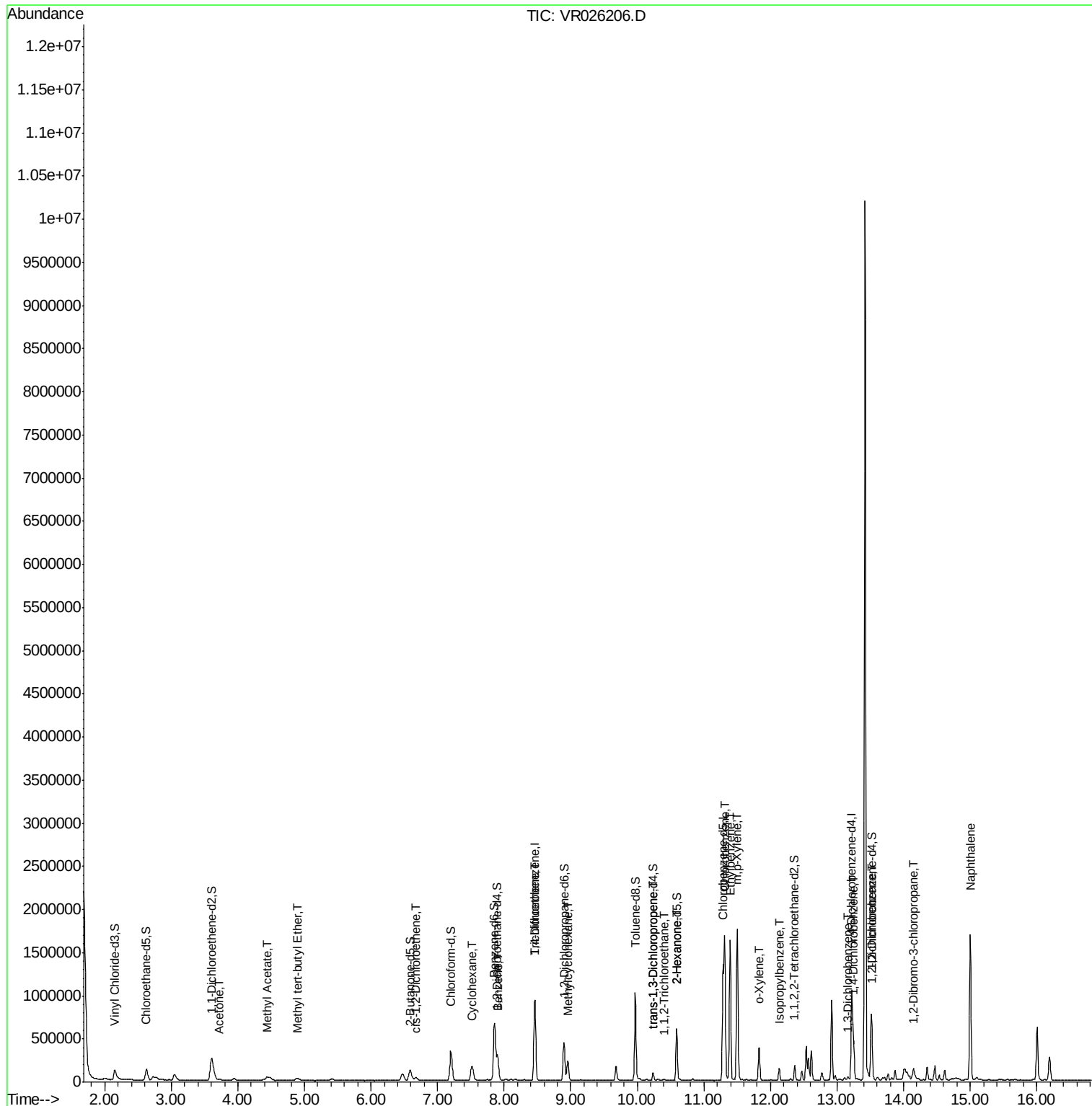
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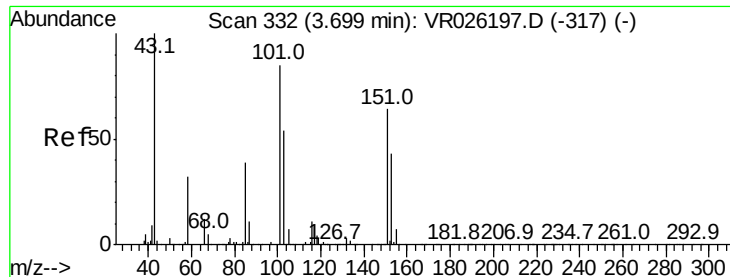
Data File : VR026206.D

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Operator    : SY/MD
Sample      : J5801-06DL 5X
Misc       : 25mL/MSVOA_R/WATER
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 07 12:50:17 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.290 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

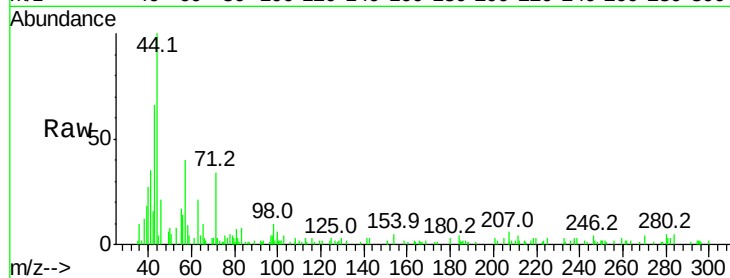
F9D05DL

Tgt Ion: 43 Resp: 11310

Ion Ratio Lower Upper

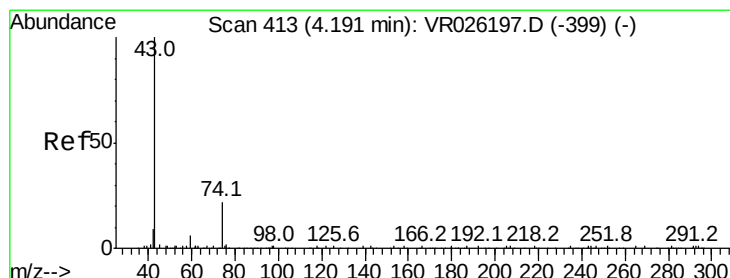
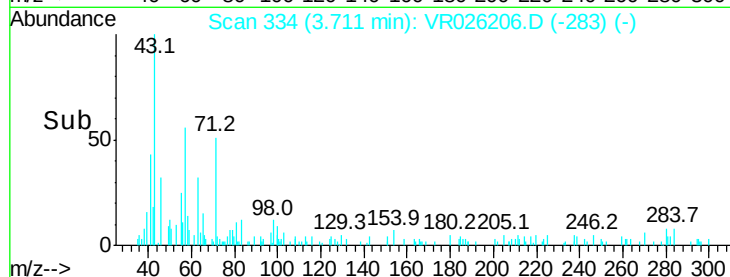
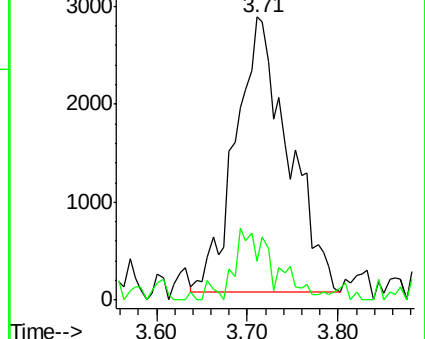
43 100

58 13.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 2.922 ug/L

RT: 4.44 min Scan# 454

Delta R.T. 0.25 min

Lab File: VR026206.D

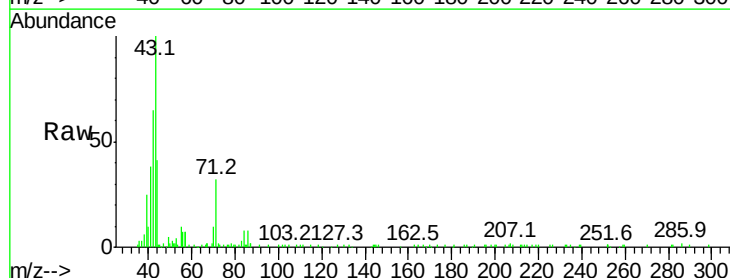
Acq: 7 Nov 2018 17:02

Tgt Ion: 43 Resp: 37696

Ion Ratio Lower Upper

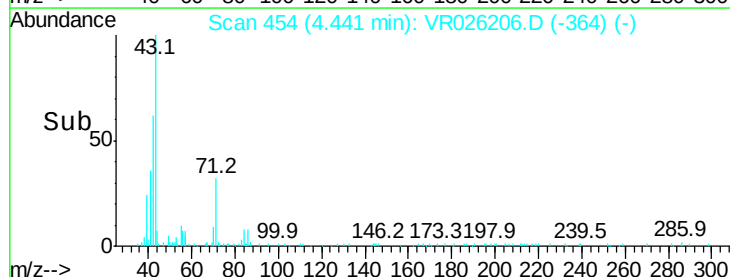
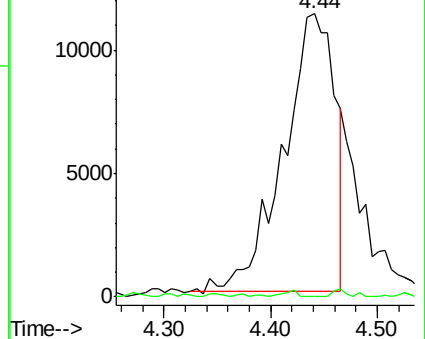
43 100

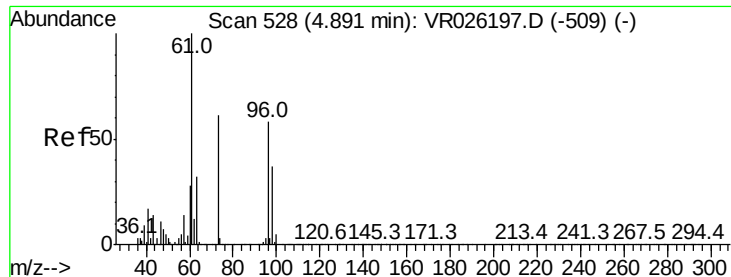
74 0.6 19.8 29.8#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0





#17

Methyl tert-butyl Ether

Concen: 0.120 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

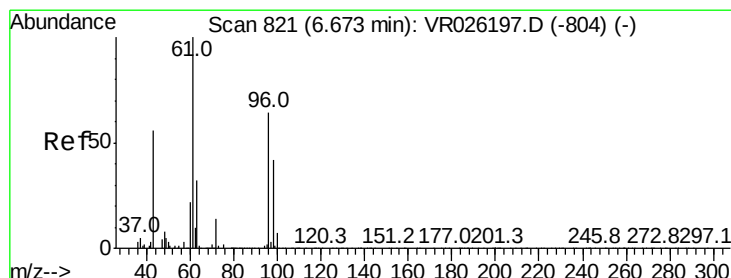
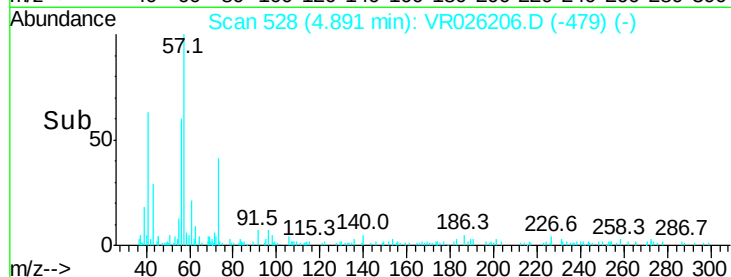
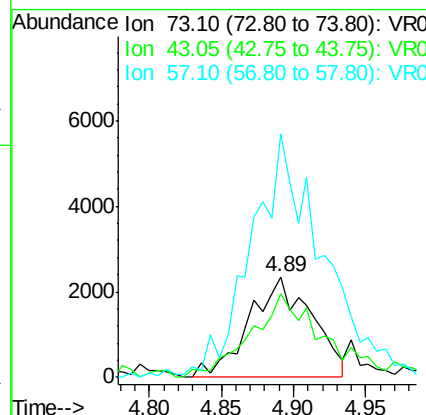
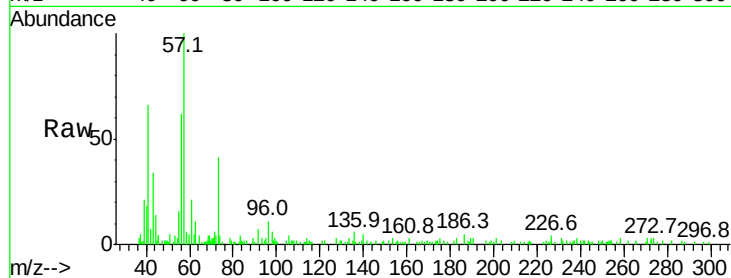
Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

Tgt Ion: 73 Resp: 7040

Ion	Ratio	Lower	Upper
73	100		
43	96.5	20.1	30.1#
57	276.1	19.0	28.4#



#22

cis-1,2-Dichloroethene

Concen: 0.274 ug/L

RT: 6.67 min Scan# 820

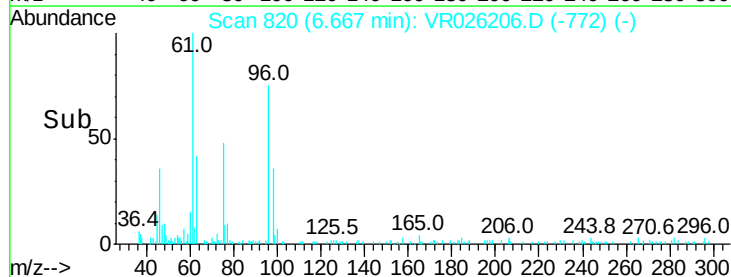
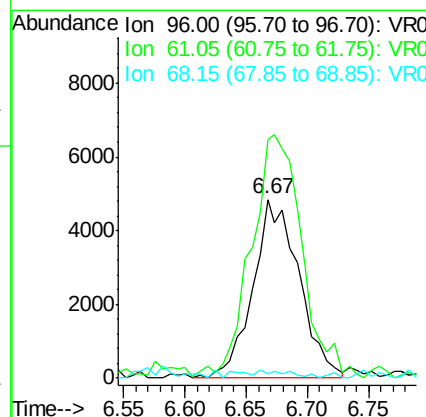
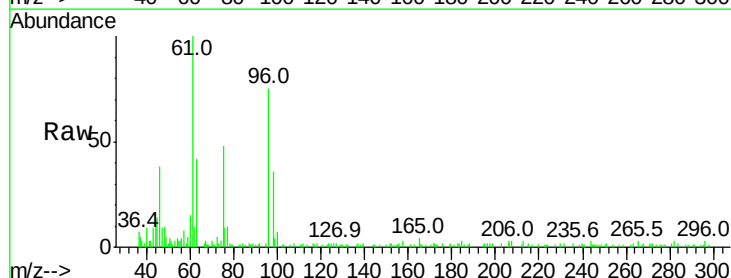
Delta R.T. -0.01 min

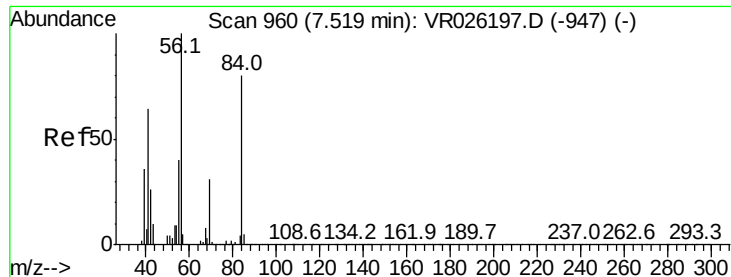
Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

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#

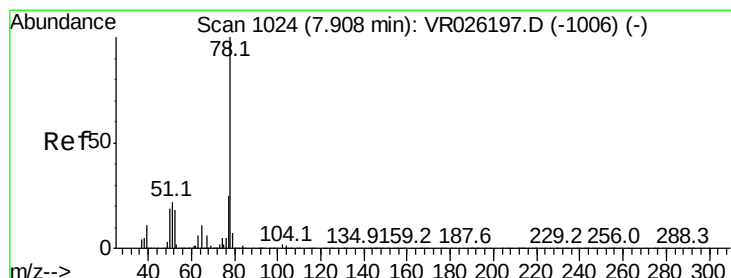
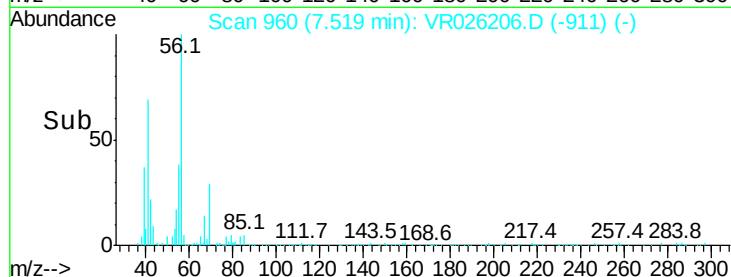
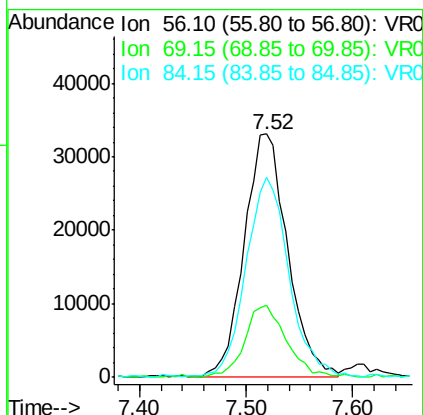
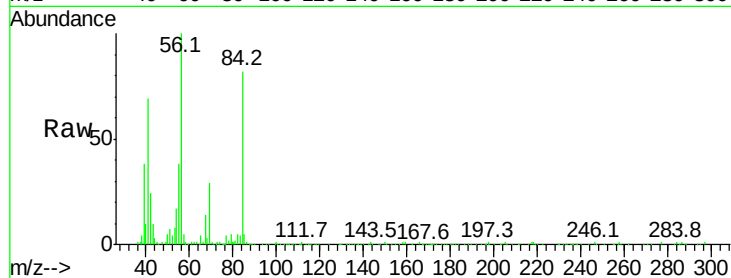




#30
Cyclohexane
Concen: 1.260 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026206.D
Acq: 7 Nov 2018 17:02

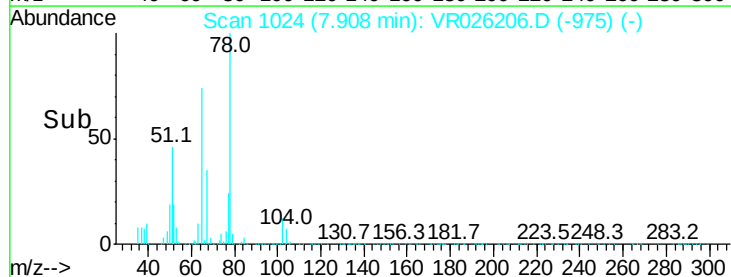
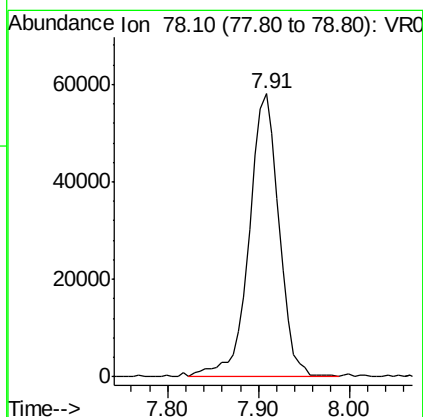
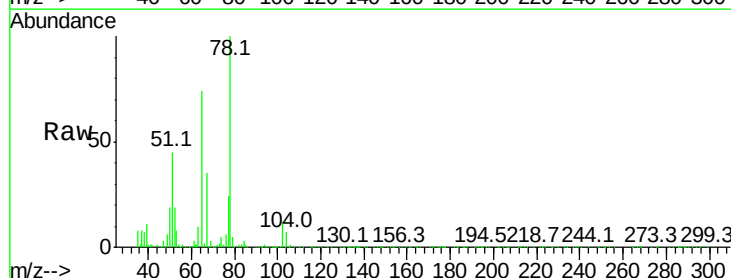
Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

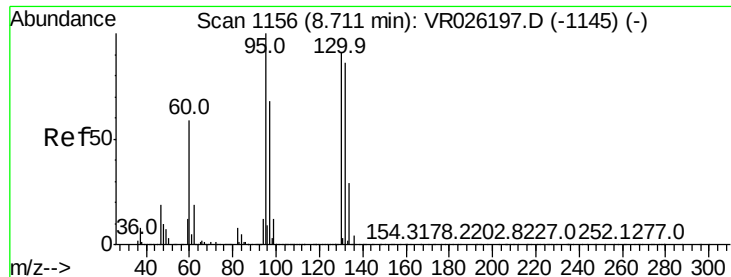
Tgt Ion: 56 Resp: 93854
Ion Ratio Lower Upper
56 100
69 28.2 23.8 35.8
84 81.4 62.2 93.4



#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

Tgt Ion: 78 Resp: 131066





#34

Trichloroethene

Concen: 0.441 ug/L

RT: 8.46 min Scan# 1114

Delta R.T. -0.25 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

F9D05DL

Tgt Ion: 95 Resp: 22986

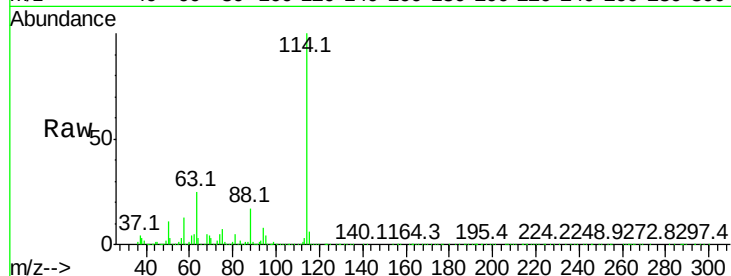
Ion Ratio Lower Upper

95 100

97 0.7 45.7 84.9#

132 0.9 58.3 108.3#

130 0.0 64.0 119.0#

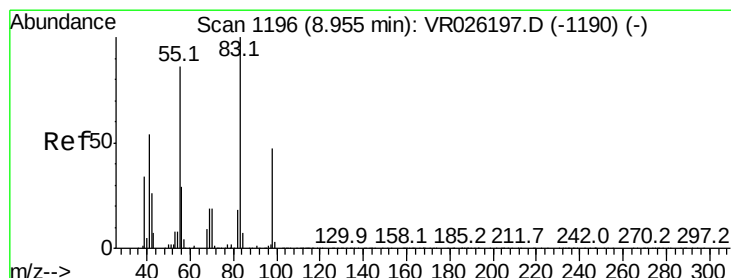
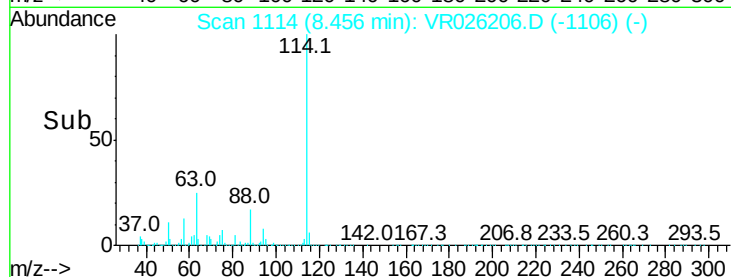
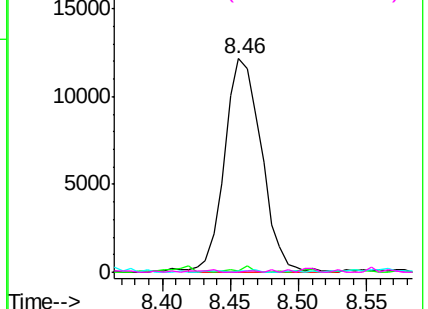


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#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

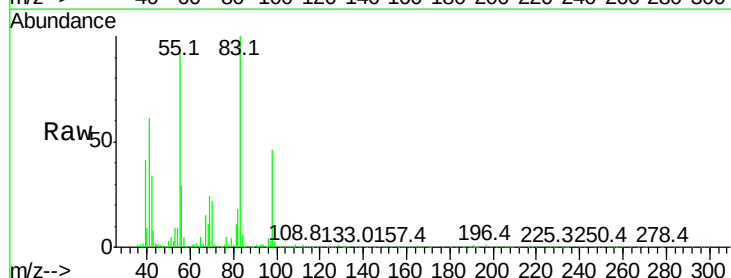
Tgt Ion: 83 Resp: 77079

Ion Ratio Lower Upper

83 100

55 90.1 66.8 100.2

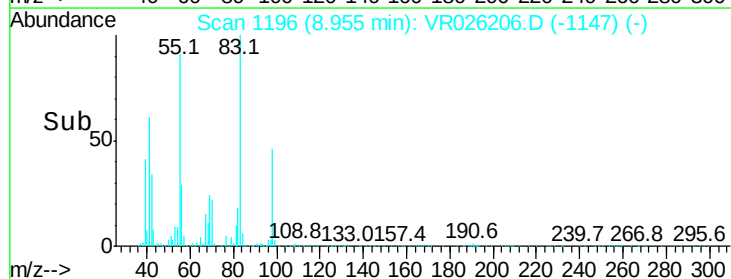
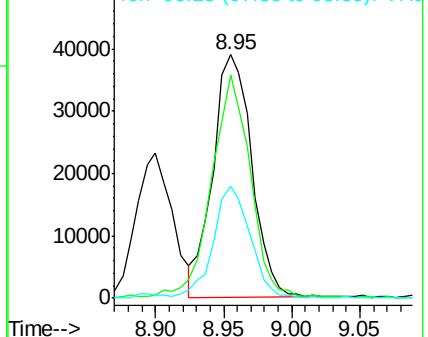
98 43.6 35.2 52.8

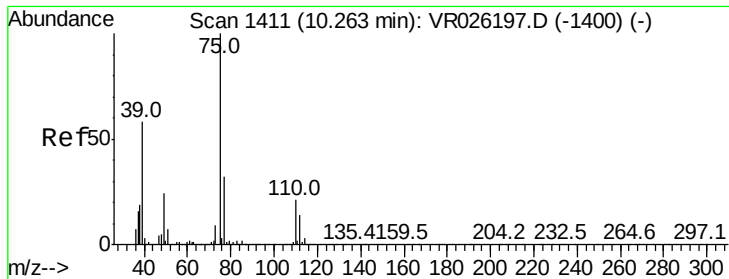


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

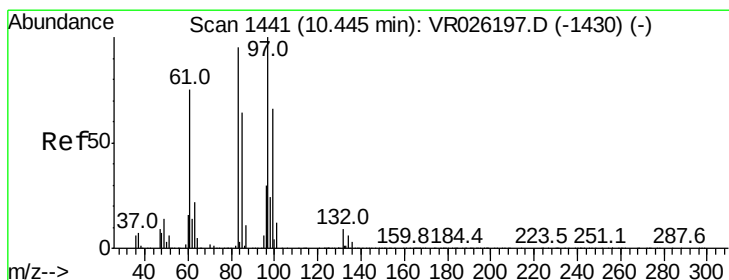
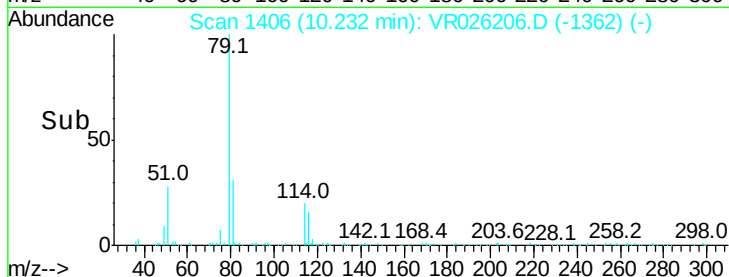
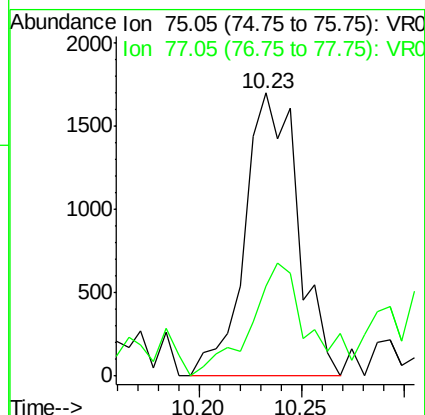
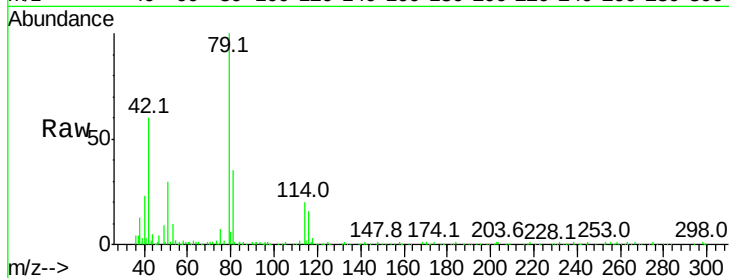
F9D05DL

Tgt Ion: 75 Resp: 3077

Ion Ratio Lower Upper

75 100

77 31.9 24.1 44.7



#45

1,1,2-Trichloroethane

Concen: 0.170 ug/L

RT: 10.41 min Scan# 1435

Delta R.T. -0.04 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Tgt Ion: 97 Resp: 3081

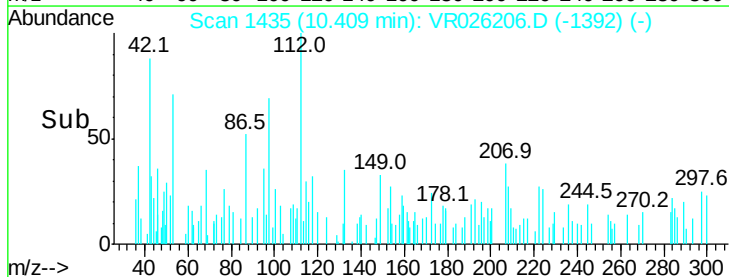
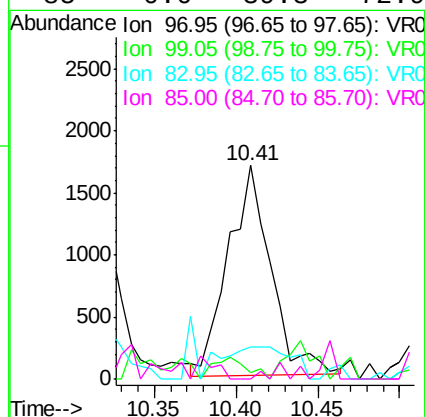
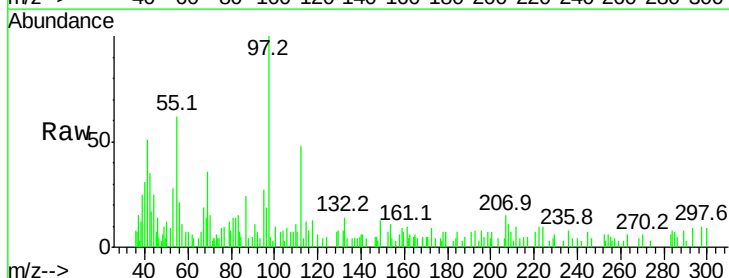
Ion Ratio Lower Upper

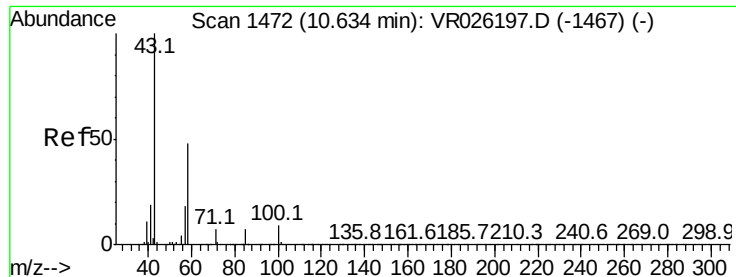
97 100

99 3.0 42.8 79.4#

83 14.8 61.9 114.9#

85 0.0 39.3 72.9#

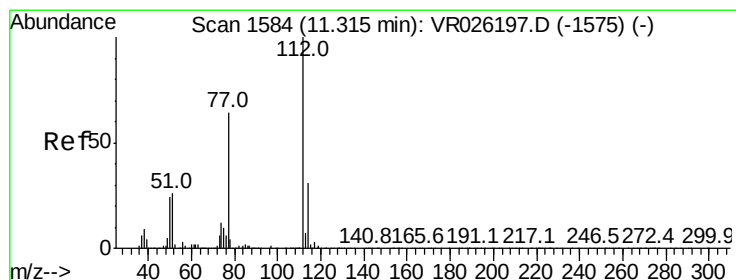
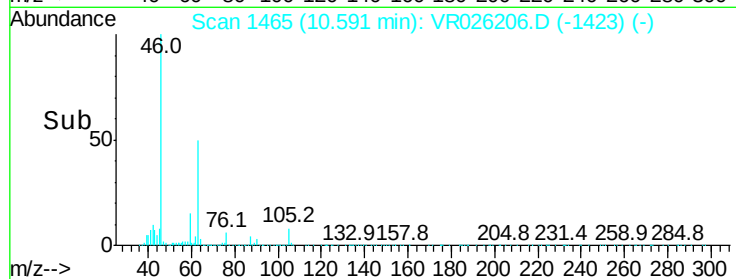
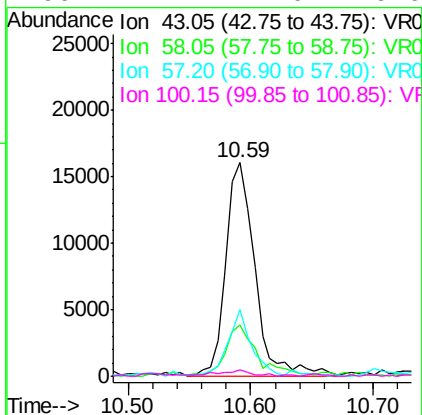
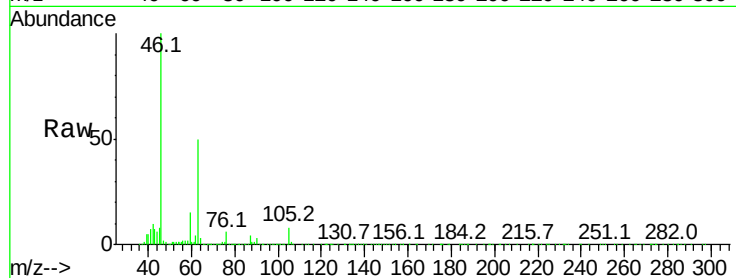




#48
2-Hexanone
Concen: 3.101 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026206.D
Acq: 7 Nov 2018 17:02

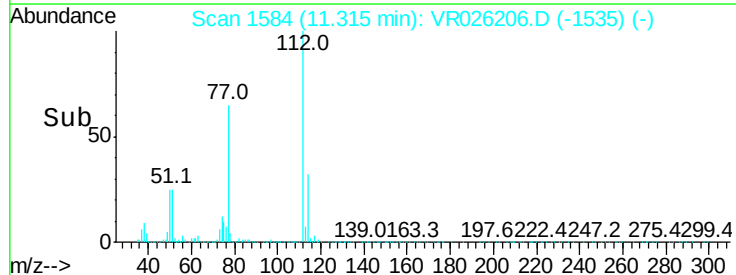
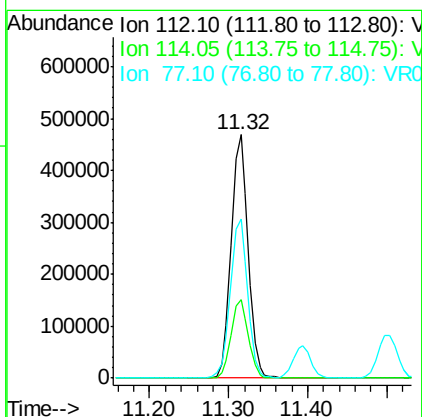
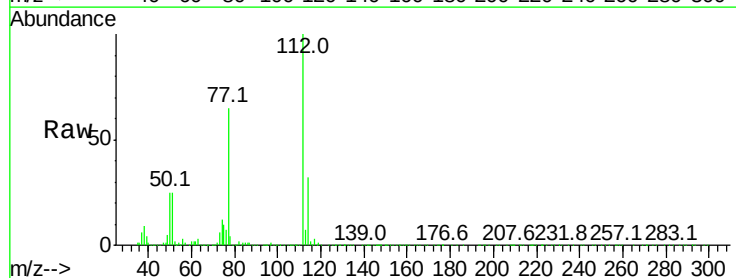
Instrument :
MSVOA_R
ClientSampleID :
F9D05DL

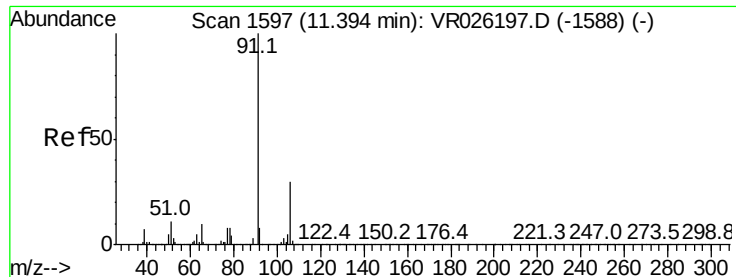
Tgt Ion:	43	Resp:	26597
Ion	Ratio	Lower	Upper
43	100		
58	24.2	39.6	59.4#
57	24.2	14.0	21.0#
100	2.2	7.0	10.6#



#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

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





#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

Instrument :

MSVOA_R

ClientSampleId :

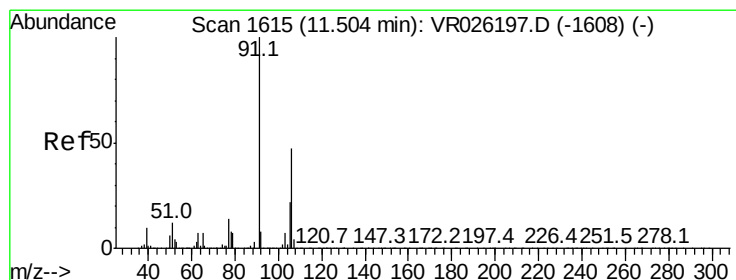
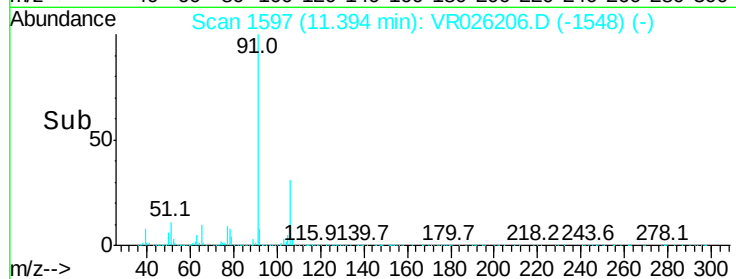
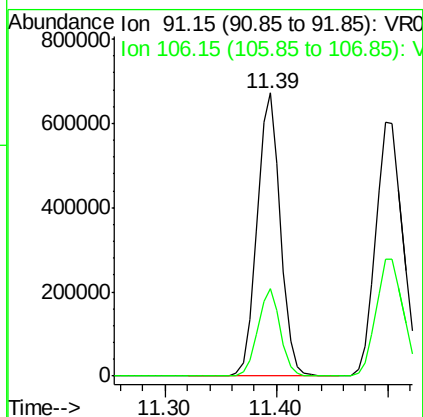
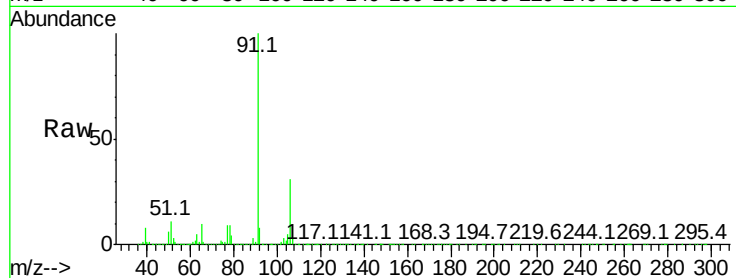
F9D05DL

Tgt Ion: 91 Resp: 974911

Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



#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

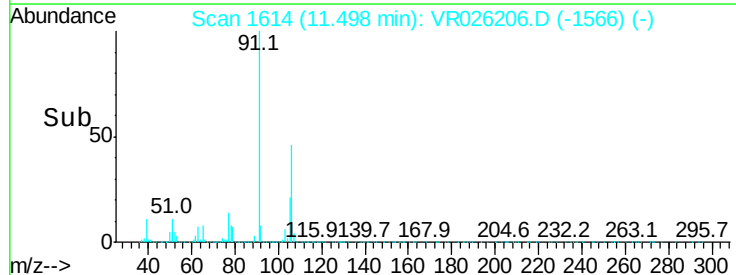
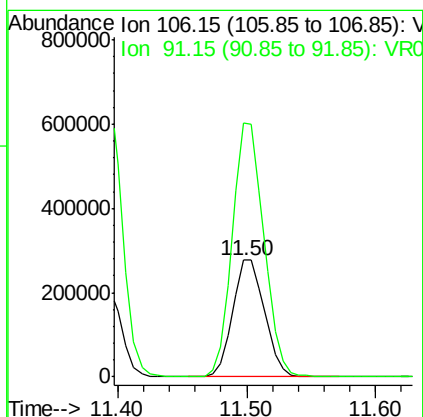
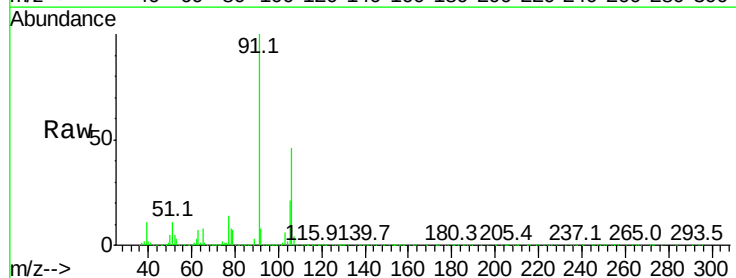
Acq: 7 Nov 2018 17:02

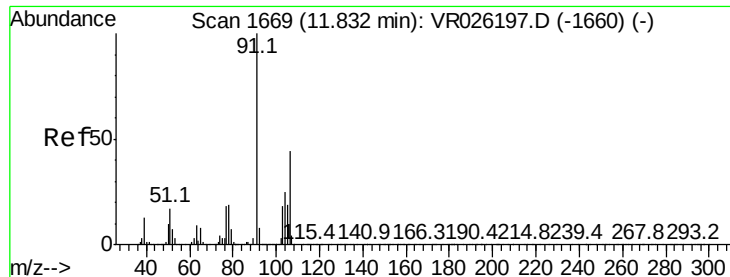
Tgt Ion: 106 Resp: 477046

Ion Ratio Lower Upper

106 100

91 217.5 145.3 269.8

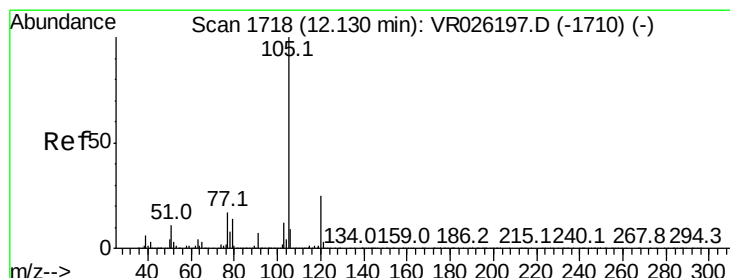
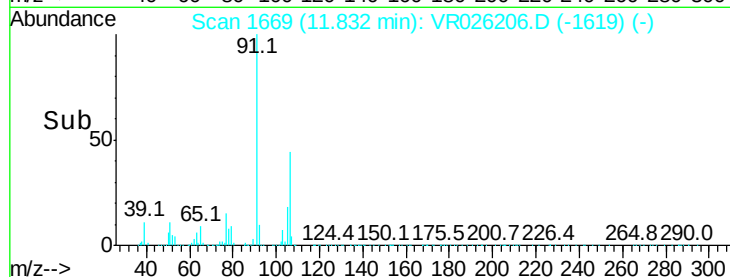
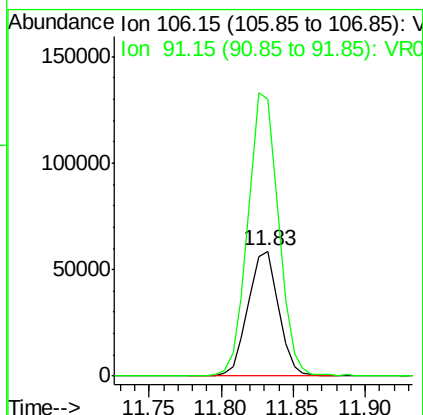
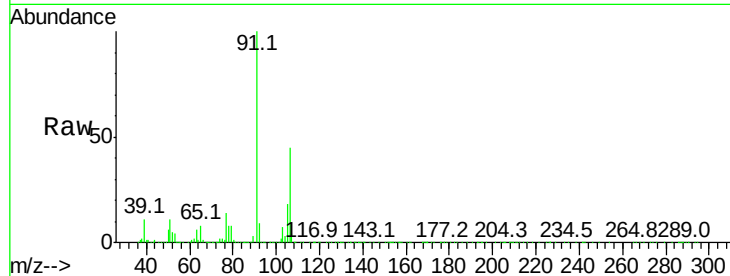




#54
o-Xylene
Concen: 1.034 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026206.D
Acq: 7 Nov 2018 17:02

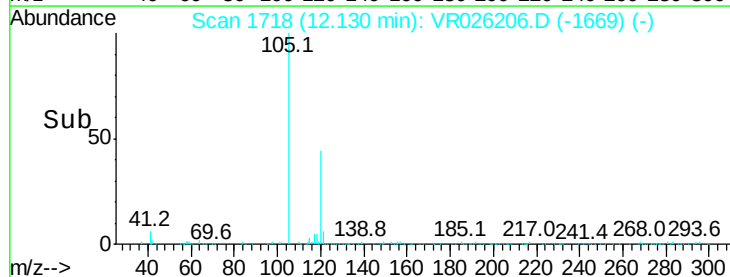
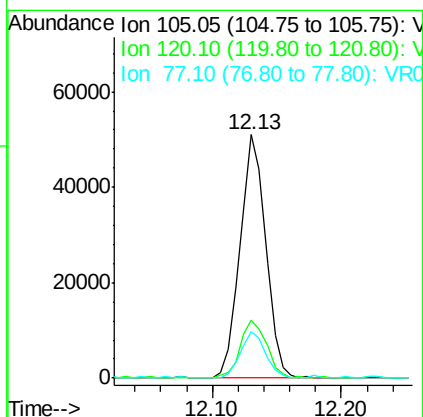
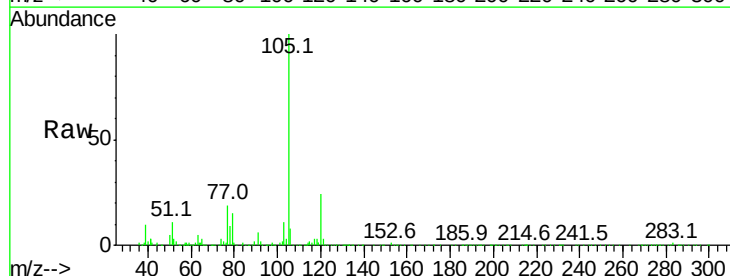
Instrument :
MSVOA_R
ClientSampleID :
F9D05DL

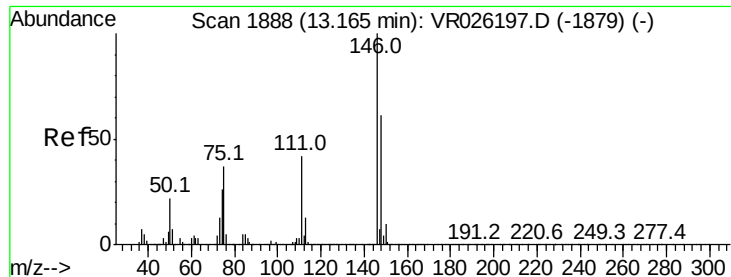
Tgt Ion:106 Resp: 85420
Ion Ratio Lower Upper
106 100
91 221.8 155.8 289.3



#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

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





#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

Instrument :

MSVOA_R

ClientSampled :

F9D05DL

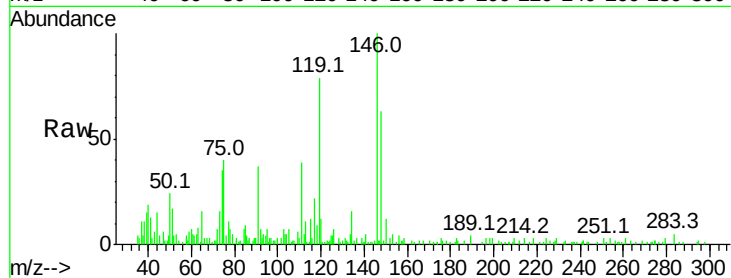
Tgt Ion:146 Resp: 6977

Ion Ratio Lower Upper

146 100

111 39.1 32.1 59.7

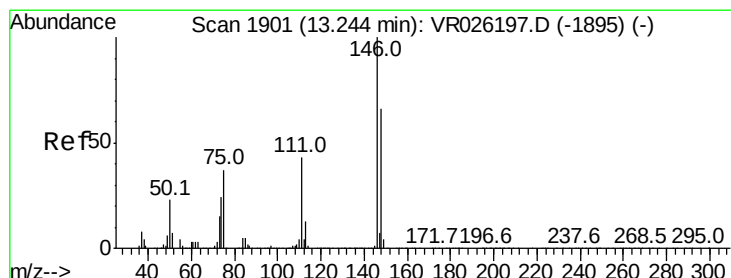
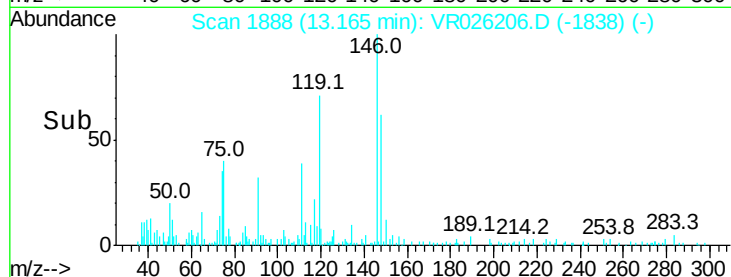
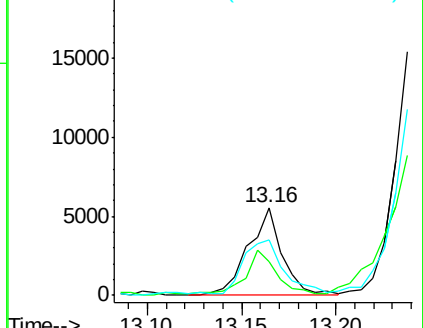
148 62.9 43.8 81.3



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

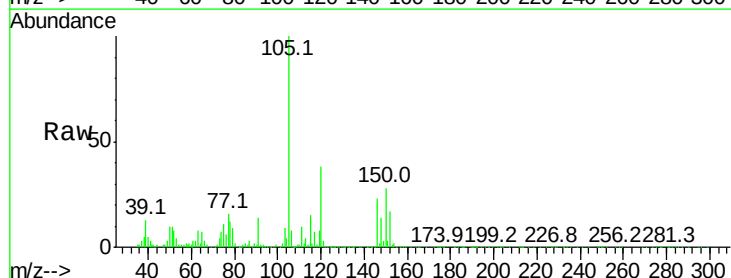
Tgt Ion:146 Resp: 25377

Ion Ratio Lower Upper

146 100

111 42.7 32.6 60.6

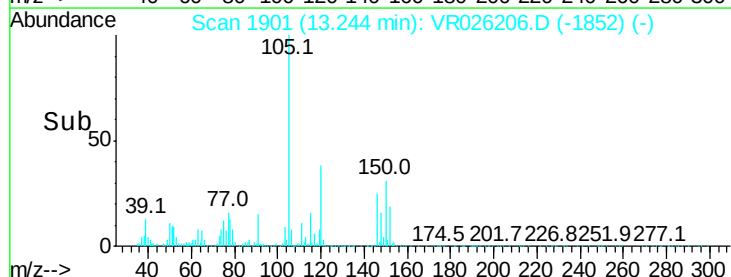
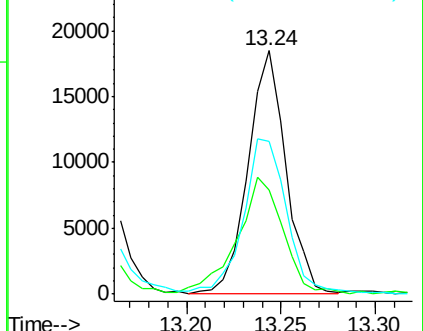
148 63.0 46.7 86.7

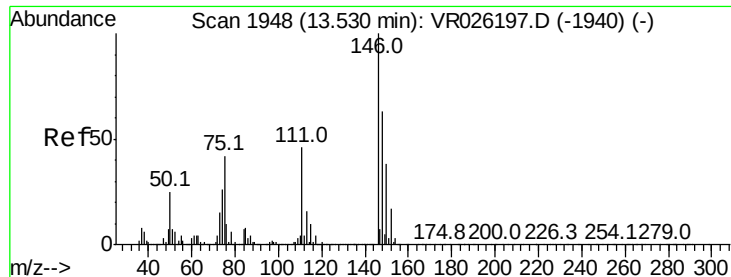


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

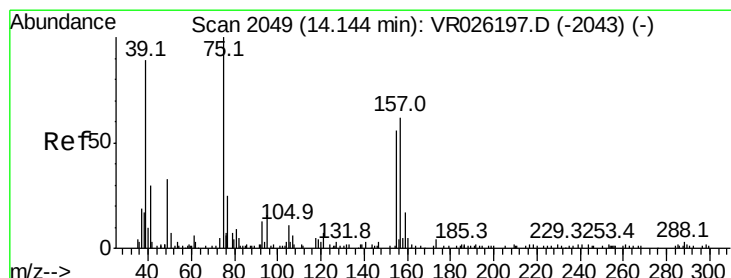
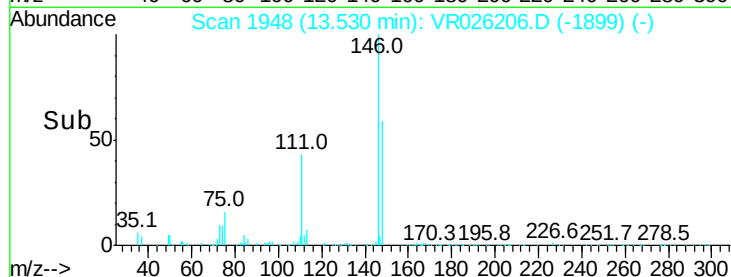
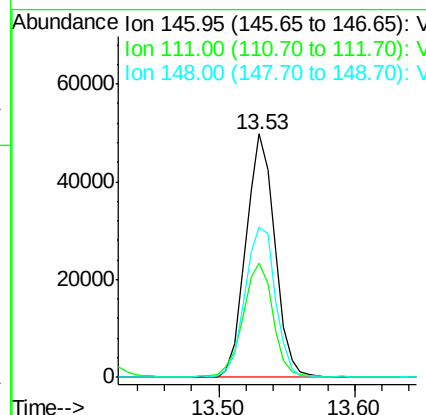
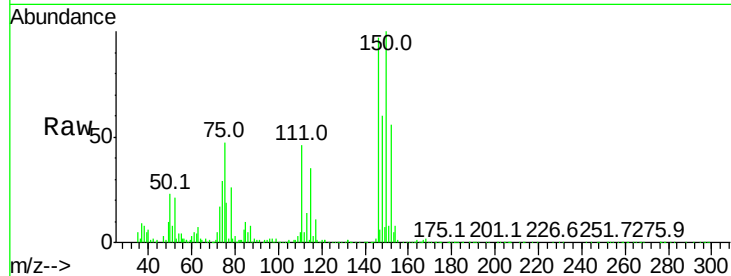




#65
 1,2-Dichlorobenzene
 Concen: 1.319 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026206.D
 Acq: 7 Nov 2018 17:02

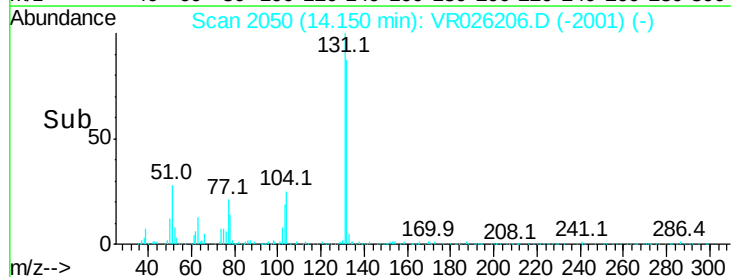
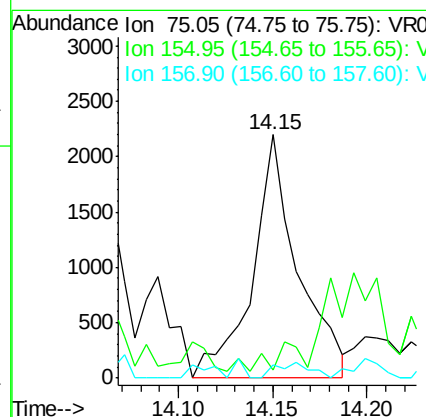
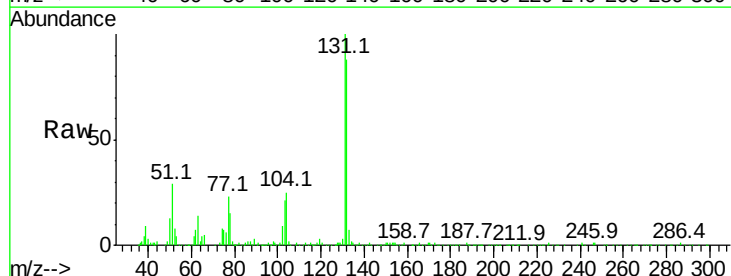
Instrument :
 MSVOA_R
 ClientSampleId :
 F9D05DL

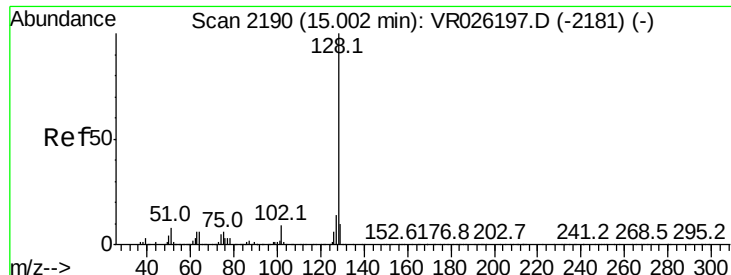
Tgt Ion:146 Resp: 73970
 Ion Ratio Lower Upper
 146 100
 111 47.1 35.2 52.8
 148 61.9 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.595 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: VR026206.D
 Acq: 7 Nov 2018 17:02

Tgt Ion: 75 Resp: 3645
 Ion Ratio Lower Upper
 75 100
 155 3.4 40.9 61.3#
 157 5.2 67.3 100.9#





#69

Naphthalene

Concen: 44.976 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026206.D

Acq: 7 Nov 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

F9D05DL

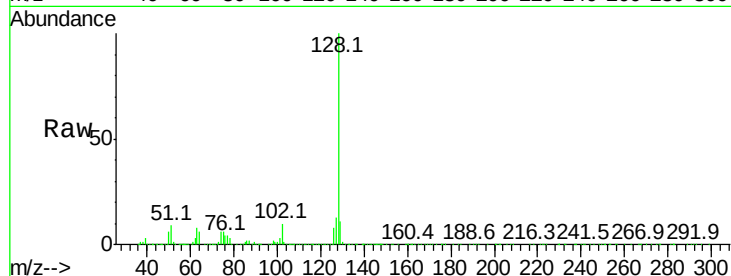
Tgt Ion:128 Resp: 1085250

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.6

129 10.9 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

