

Data File : VR026227.D
Acq On : 19 Nov 2018 18:24
Operator : SY/MD
Sample : J5997-10
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA8

Quant Time: Nov 20 04:19:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	1240871	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	974731	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	378604	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	225978	2.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	49.40%
7) Chloroethane-d5	2.63	69	241370	2.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	56.60%#
11) 1,1-Dichloroethene-d2	3.62	63	492447	2.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.80%#
20) 2-Butanone-d5	6.59	46	448303	56.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.62%
24) Chloroform-d	7.20	84	680142	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	7.90	65	298582	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.85	84	1365057	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	8.90	67	364883	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	9.97	98	1274465	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	10.24	79	96859	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	10.59	63	338358	62.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	135199	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	284251	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	3.63	96	39210	0.323 ug/L #	1
13) Acetone	3.70	43	38689	4.598 ug/L	98
19) 1,1-Dichloroethane	5.69	63	544023	3.175 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	70824	0.856 ug/L #	93
25) Chloroform	7.23	83	49746	0.297 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	495455	3.797 ug/L	97
31) Carbon tetrachloride	7.43	117	58186	0.502 ug/L	100
34) Trichloroethene	8.71	95	130057	1.451 ug/L	94
35) Methylcyclohexane	8.90	83	92516	0.794 ug/L #	20
42) Toluene	10.04	91	10135221	27.652 ug/L #	75
44) trans-1,3-Dichloropropene	10.23	75	5268	0.095 ug/L #	65
45) 1,1,2-Trichloroethane	10.42	97	9881	0.310 ug/L #	24
47) Tetrachloroethene	10.51	164	23503	0.384 ug/L	96
48) 2-Hexanone	10.59	43	45386	3.228 ug/L #	70
52) Ethylbenzene	11.39	91	431836	1.039 ug/L	99
53) m,p-Xylene	11.50	106	175523	1.163 ug/L	99
54) o-Xylene	11.83	106	41489	0.301 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration

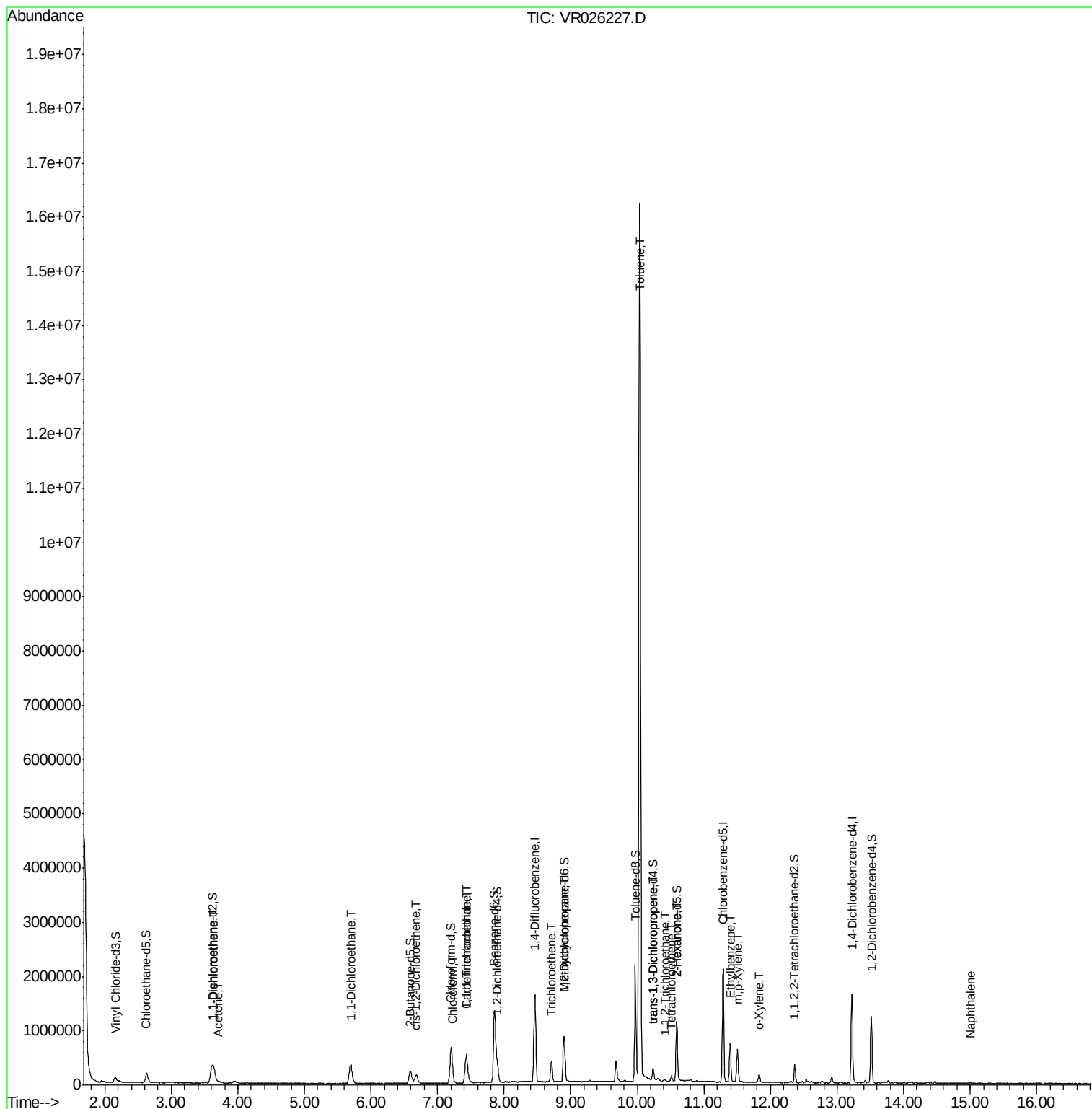
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	15.00	128	12896	0.307	ug/L #	91
-----	-----	-----	-----	-----	-----	-----

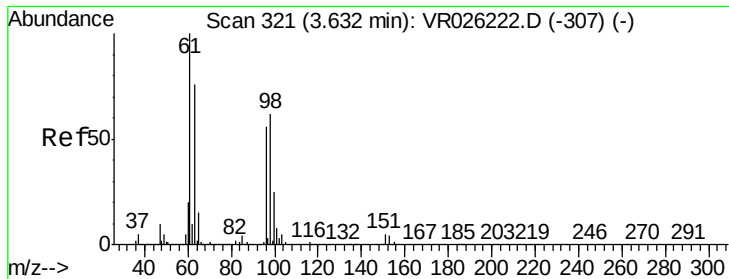
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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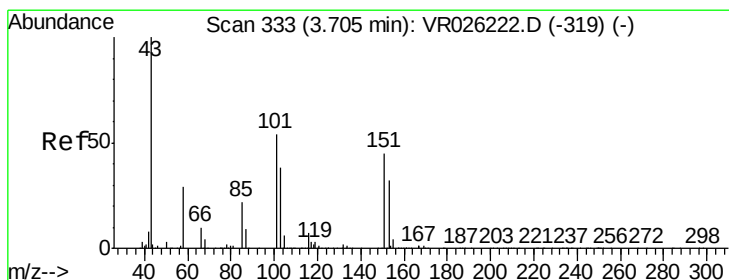
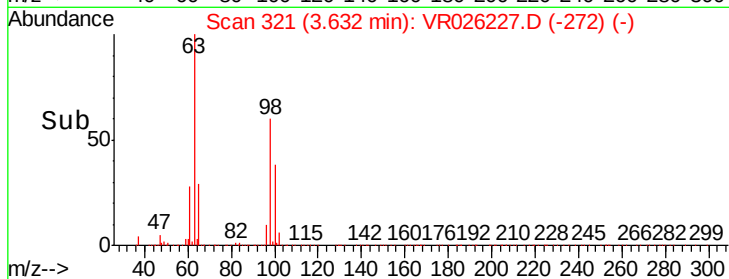
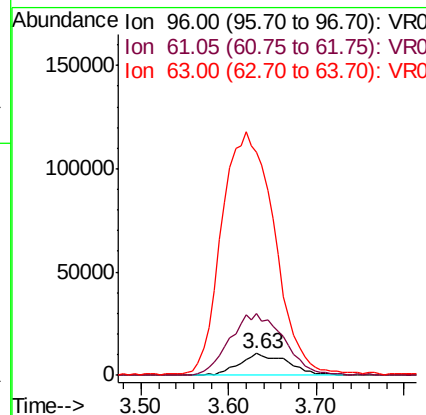
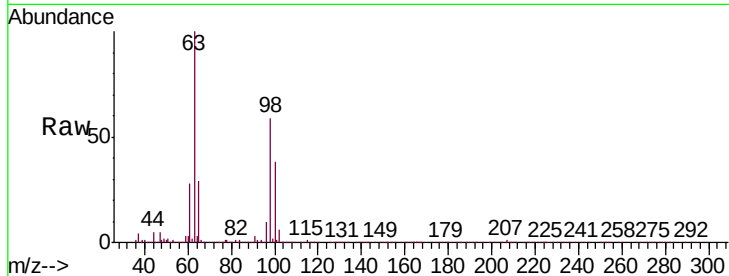




#12
 1,1-Dichloroethene
 Concen: 0.323 ug/L
 RT: 3.63 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VR026227.D
 Acq: 19 Nov 2018 18:24

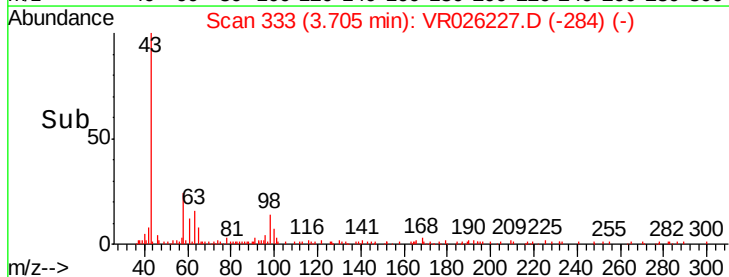
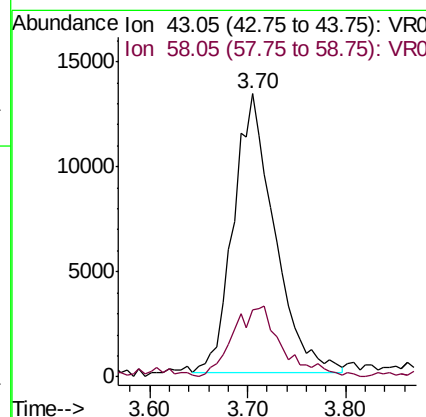
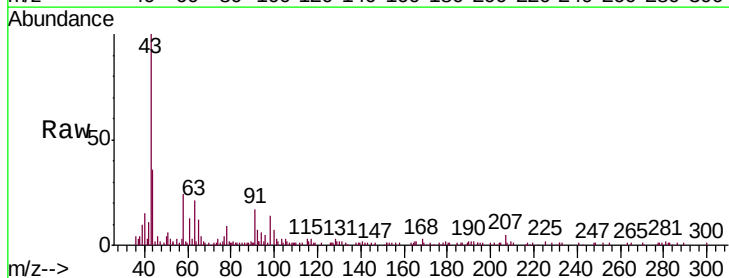
Instrument :
 MSVOA_R
 ClientSampleId :
 E3YA8

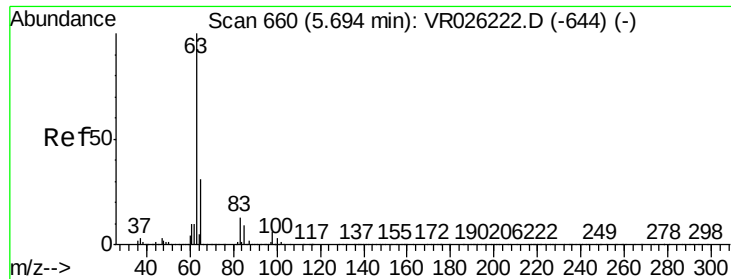
Tgt Ion: 96 Resp: 39210
 Ion Ratio Lower Upper
 96 100
 61 279.4 125.5 233.1#
 63 1008.2 93.7 174.1#



#13
 Acetone
 Concen: 4.598 ug/L
 RT: 3.70 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VR026227.D
 Acq: 19 Nov 2018 18:24

Tgt Ion: 43 Resp: 38689
 Ion Ratio Lower Upper
 43 100
 58 30.2 0.0 58.6





#19

1,1-Dichloroethane

Concen: 3.175 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :

MSVOA_R

ClientSampleId :

E3YA8

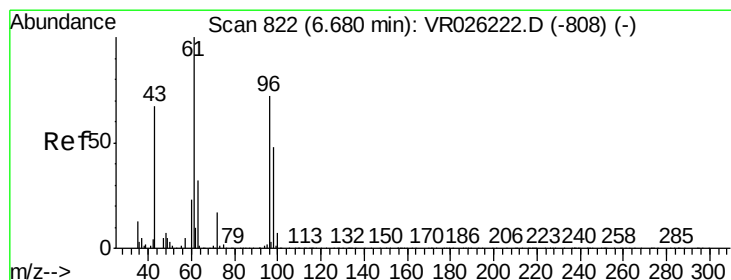
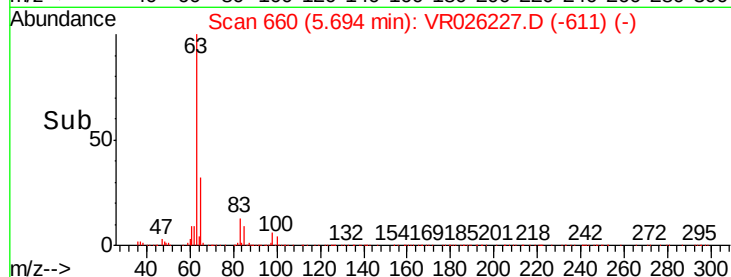
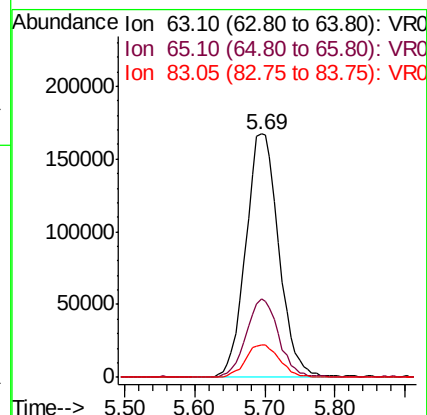
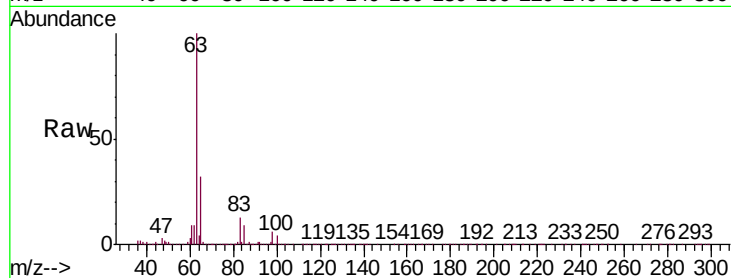
Tgt Ion: 63 Resp: 544023

Ion Ratio Lower Upper

63 100

65 32.0 20.9 38.7

83 13.3 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 0.856 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

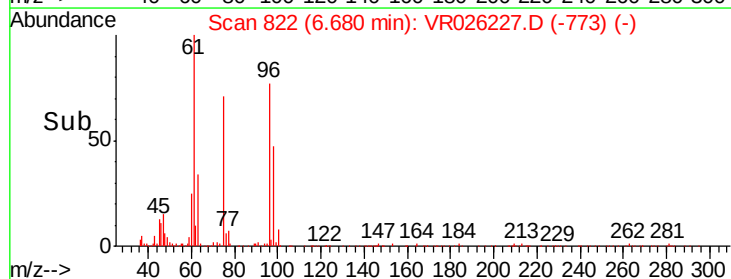
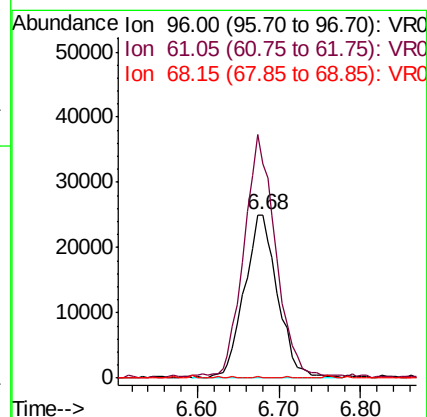
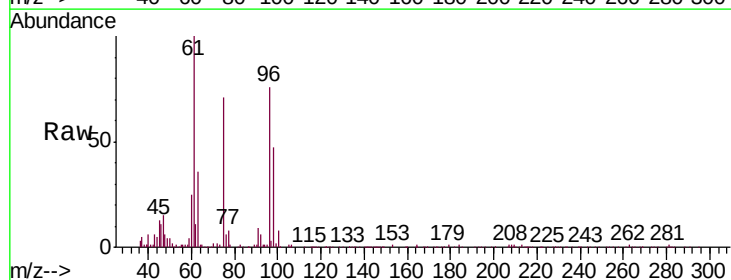
Tgt Ion: 96 Resp: 70824

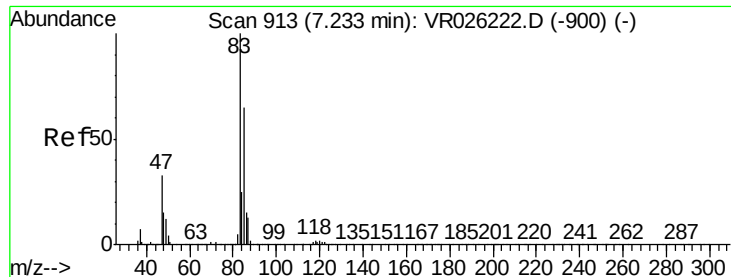
Ion Ratio Lower Upper

96 100

61 130.9 97.4 180.8

68 0.3 0.1 0.3#





#25

Chloroform

Concen: 0.297 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :

MSVOA_R

ClientSampleId :

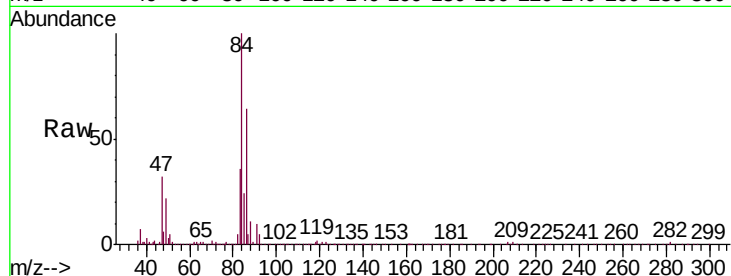
E3YA8

Tgt Ion: 83 Resp: 49746

Ion Ratio Lower Upper

83 100

85 66.8 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

20000

15000

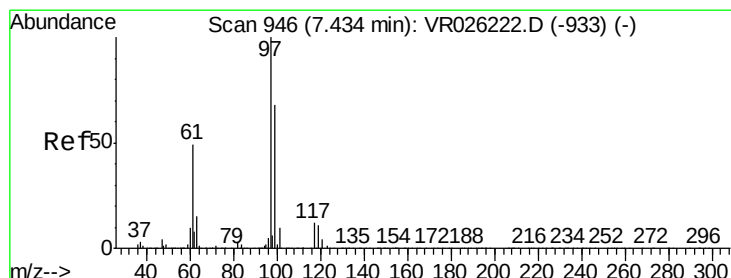
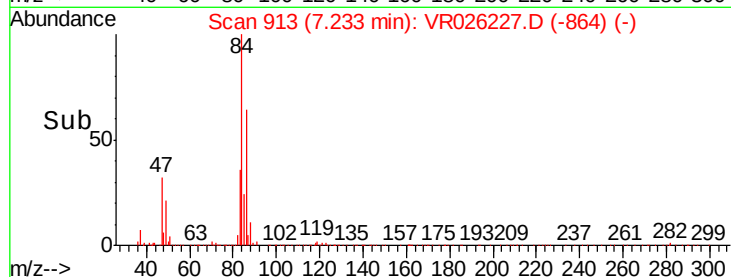
10000

5000

0

7.15 7.20 7.25 7.30

Time-->



#29

1,1,1-Trichloroethane

Concen: 3.797 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

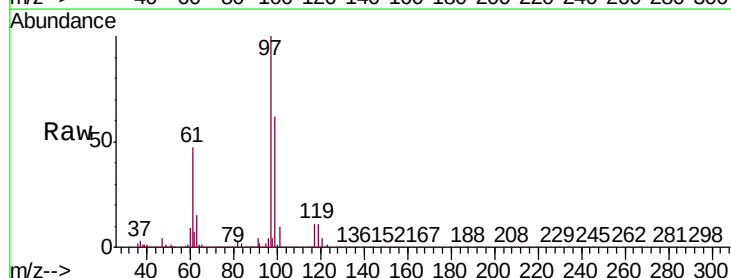
Tgt Ion: 97 Resp: 495455

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

61 47.4 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0

200000

150000

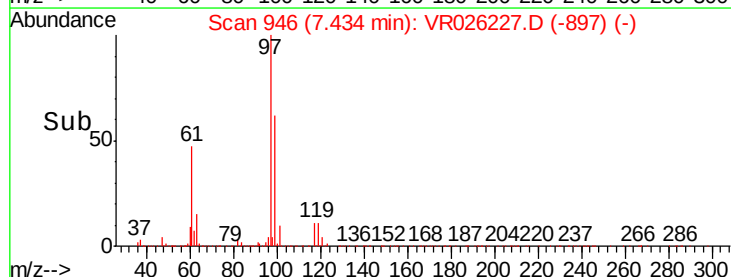
100000

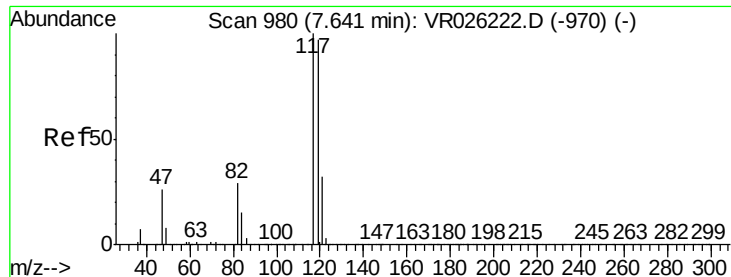
50000

0

7.30 7.40 7.50 7.60

Time-->





#31

Carbon tetrachloride

Concen: 0.502 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.21 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :

MSVOA_R

ClientSampleId :

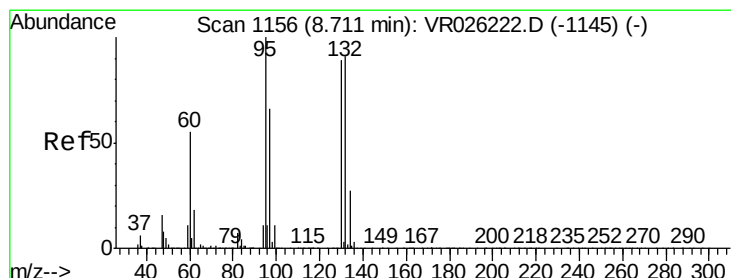
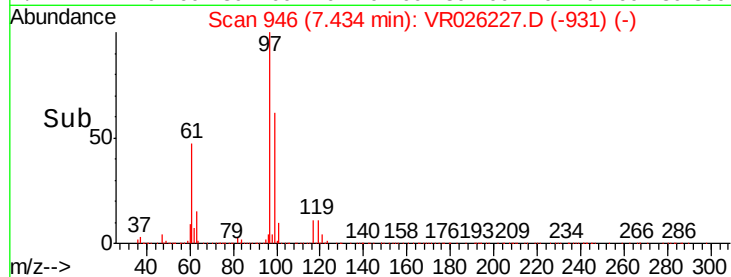
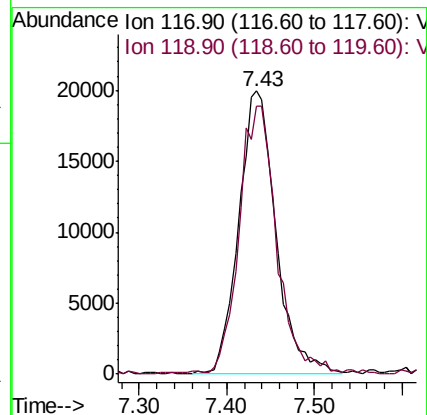
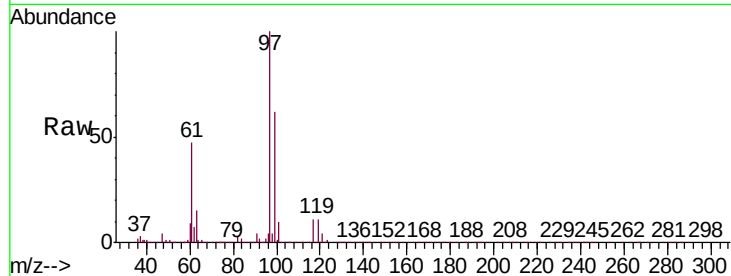
E3YA8

Tgt Ion:117 Resp: 58186

Ion Ratio Lower Upper

117 100

119 95.6 76.7 115.1



#34

Trichloroethene

Concen: 1.451 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Tgt Ion: 95 Resp: 130057

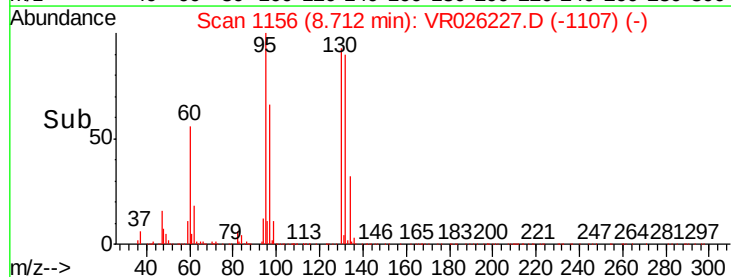
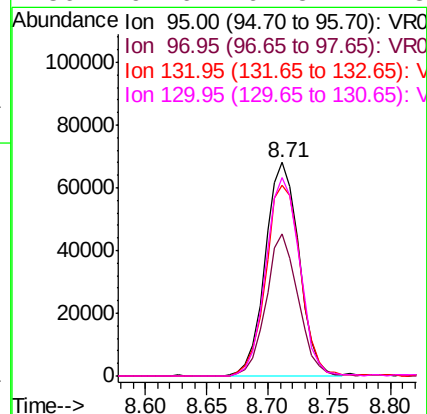
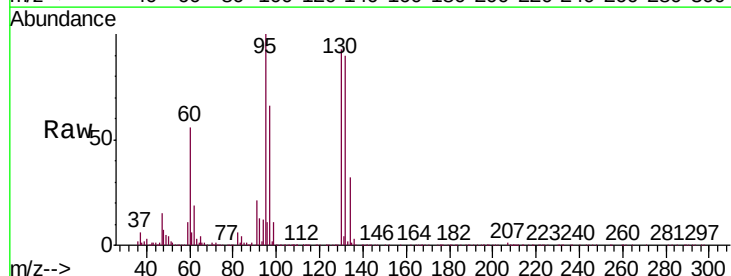
Ion Ratio Lower Upper

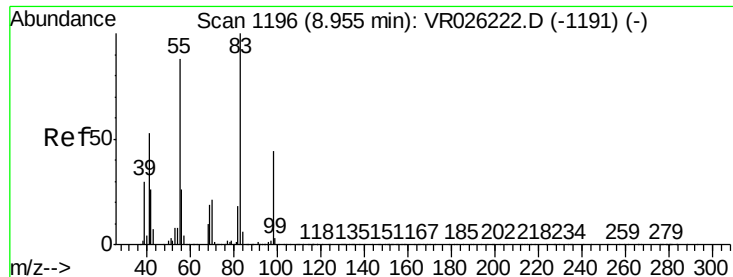
95 100

97 66.4 43.5 80.7

132 89.5 58.0 107.6

130 92.6 61.5 114.3

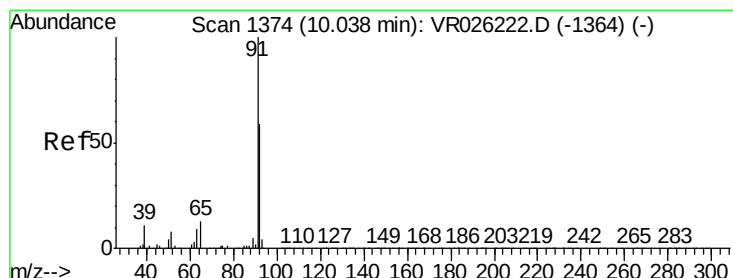
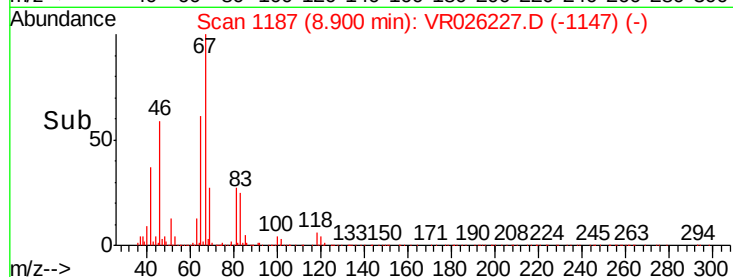
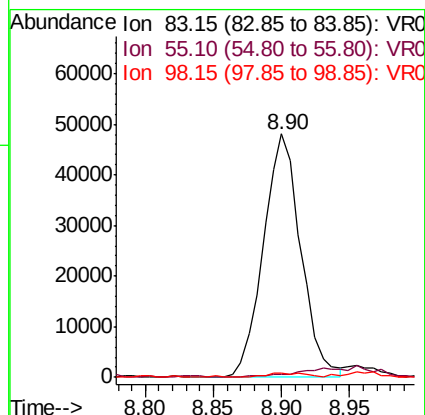
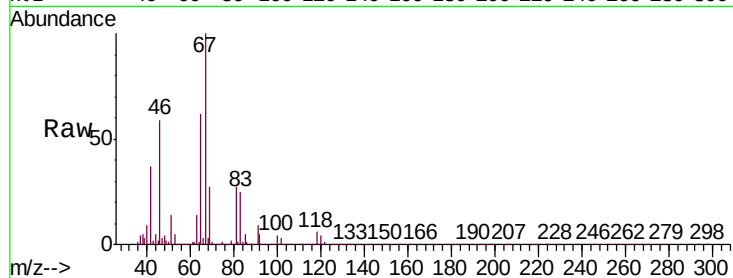




#35
Methylcyclohexane
Concen: 0.794 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

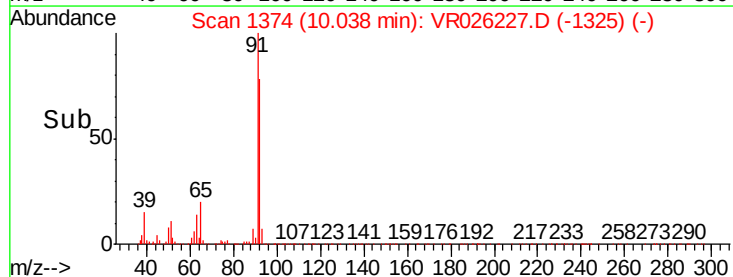
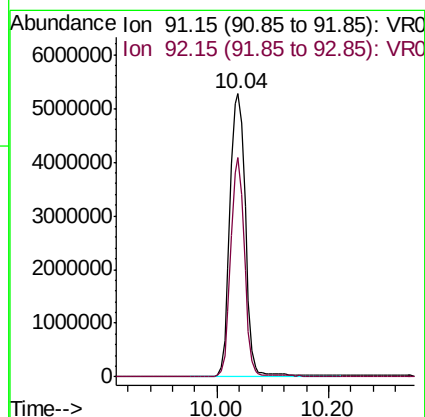
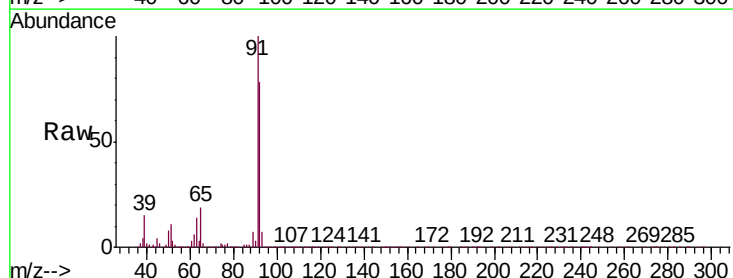
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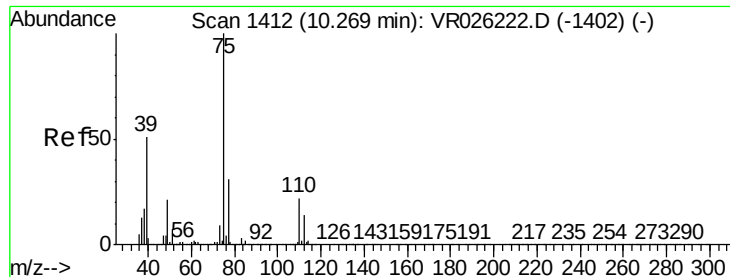
Tgt Ion: 83 Resp: 92516
Ion Ratio Lower Upper
83 100
55 5.1 67.9 101.9#
98 1.9 35.8 53.6#



#42
Toluene
Concen: 27.652 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

Tgt Ion: 91 Resp: 10135221
Ion Ratio Lower Upper
91 100
92 77.6 41.4 76.8#





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.04 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :

MSVOA_R

ClientSampleId :

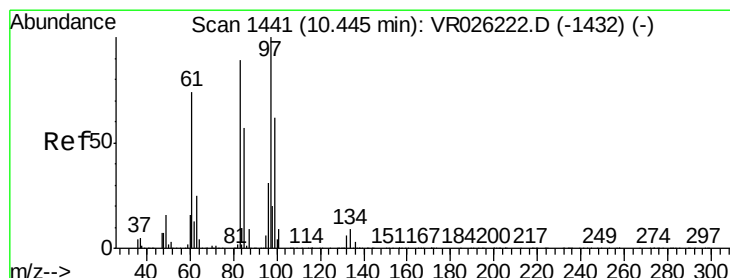
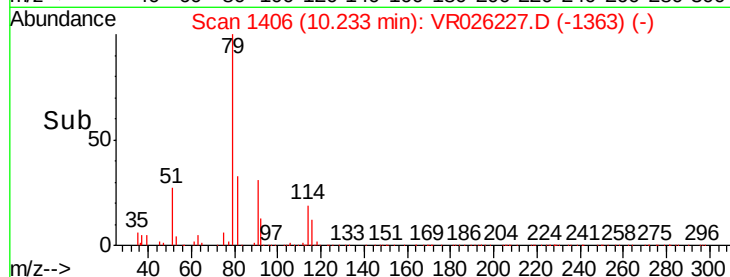
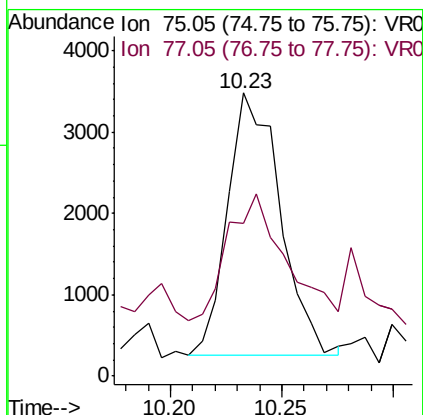
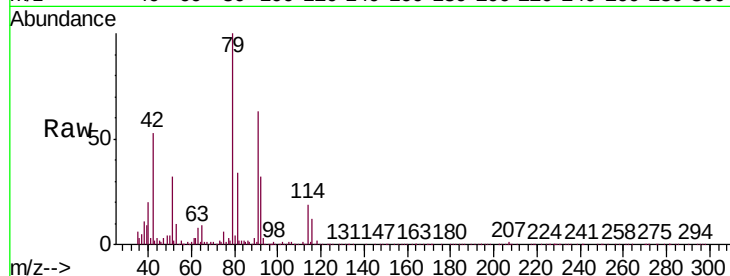
E3YA8

Tgt Ion: 75 Resp: 5268

Ion Ratio Lower Upper

75 100

77 54.2 23.7 44.1#



#45

1,1,2-Trichloroethane

Concen: 0.310 ug/L

RT: 10.42 min Scan# 1436

Delta R.T. -0.03 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Tgt Ion: 97 Resp: 9881

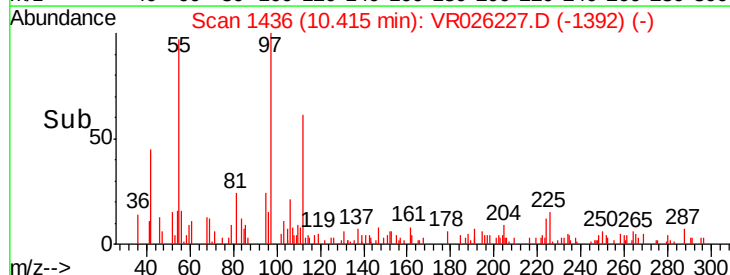
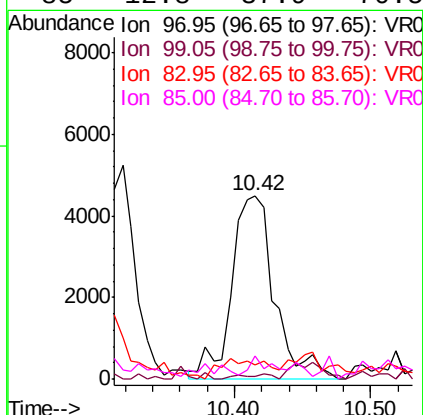
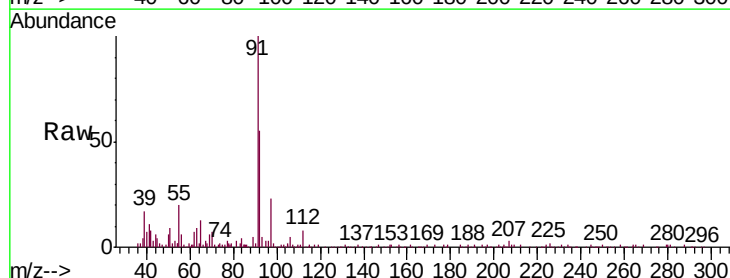
Ion Ratio Lower Upper

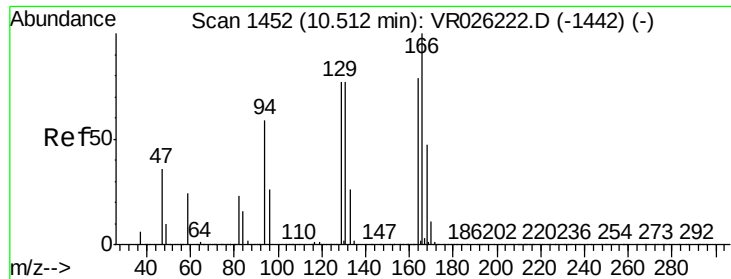
97 100

99 1.3 43.0 80.0#

83 7.9 61.0 113.2#

85 12.8 37.9 70.5#

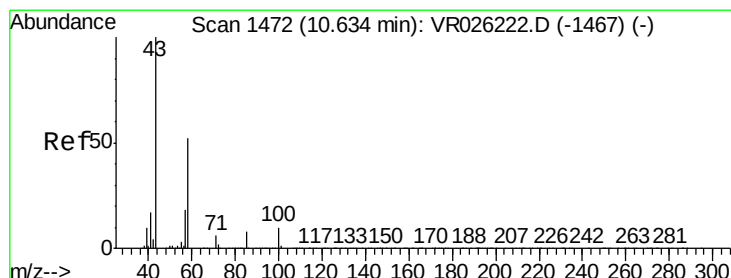
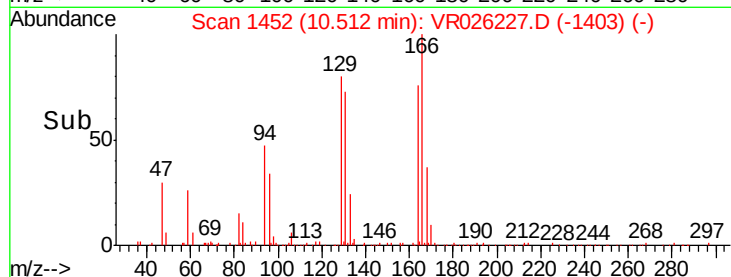
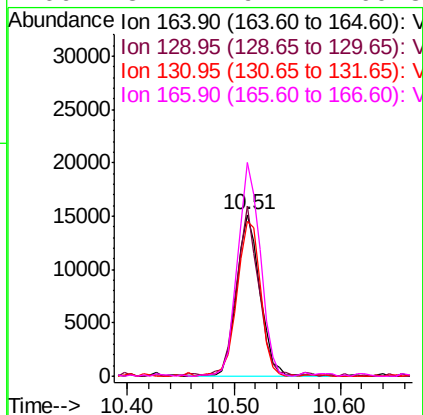
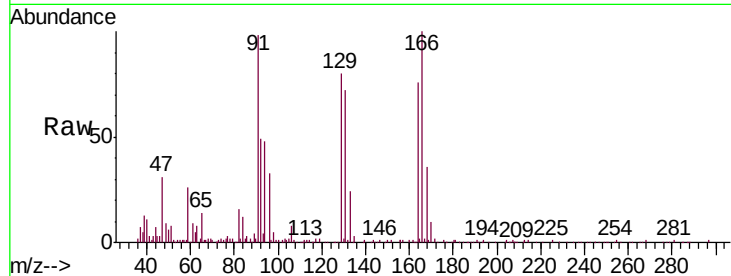




#47
Tetrachloroethene
Concen: 0.384 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

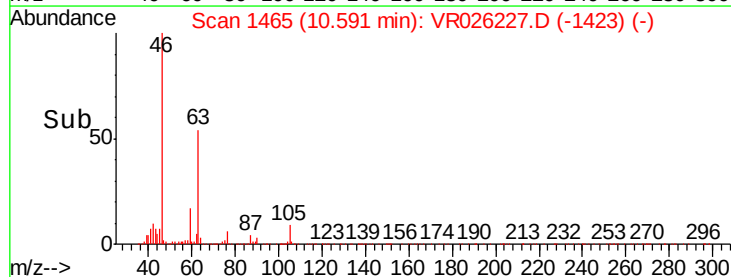
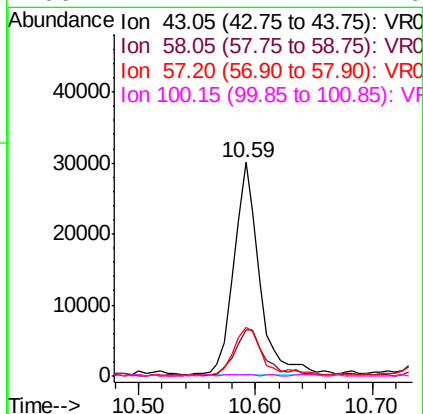
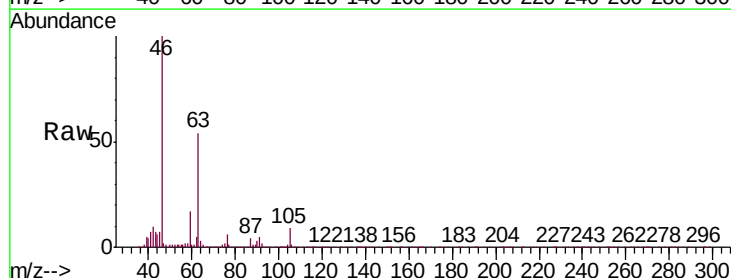
Instrument :
MSVOA_R
ClientSampleId :
E3YA8

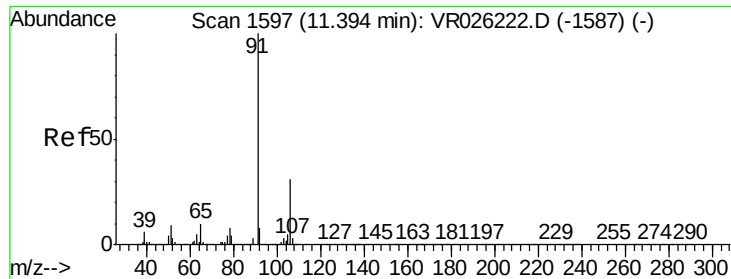
Tgt Ion: 164 Resp: 23503
Ion Ratio Lower Upper
164 100
129 105.5 72.3 134.3
131 95.6 73.4 136.2
166 132.1 91.4 169.8



#48
2-Hexanone
Concen: 3.228 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

Tgt Ion: 43 Resp: 45386
Ion Ratio Lower Upper
43 100
58 26.1 40.0 60.0#
57 27.6 14.6 21.8#
100 1.1 7.4 11.0#





#52

Ethylbenzene

Concen: 1.039 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :

MSVOA_R

ClientSampleId :

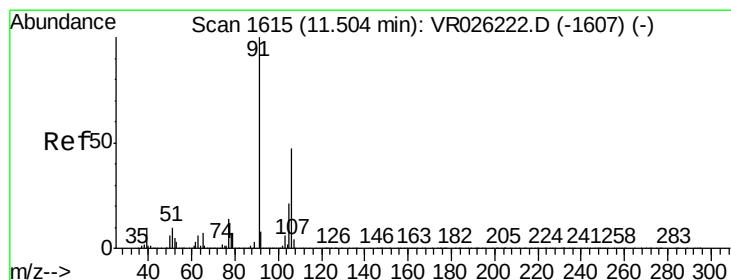
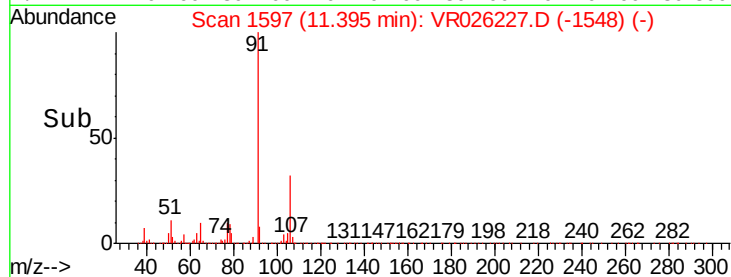
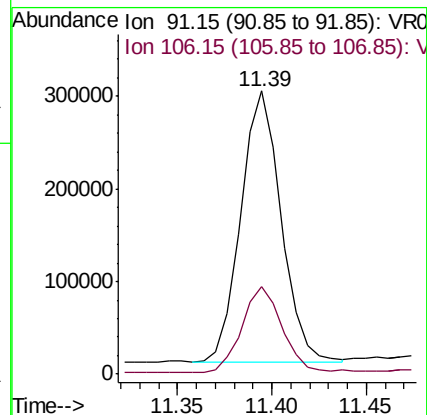
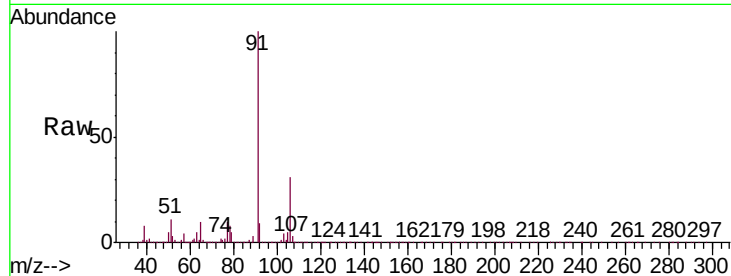
E3YA8

Tgt Ion: 91 Resp: 431836

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#53

m,p-Xylene

Concen: 1.163 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026227.D

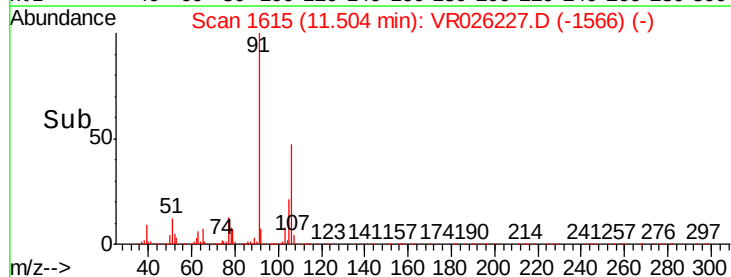
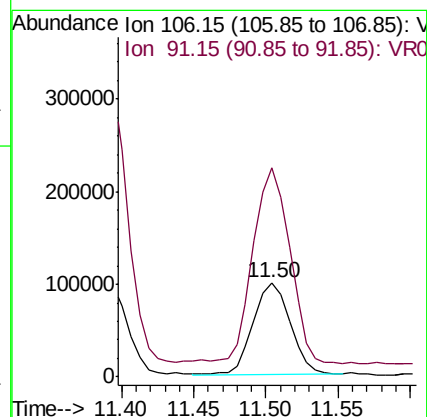
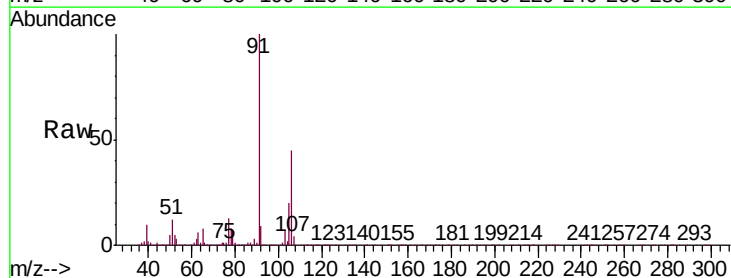
Acq: 19 Nov 2018 18:24

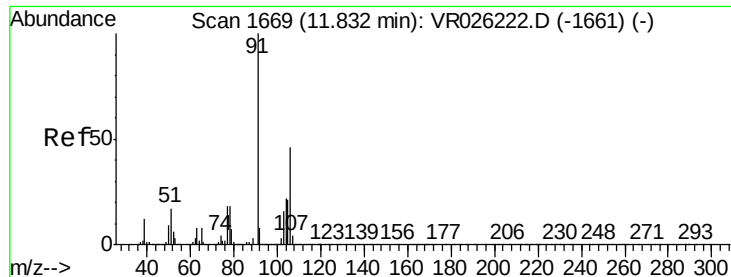
Tgt Ion: 106 Resp: 175523

Ion Ratio Lower Upper

106 100

91 221.9 153.9 285.9

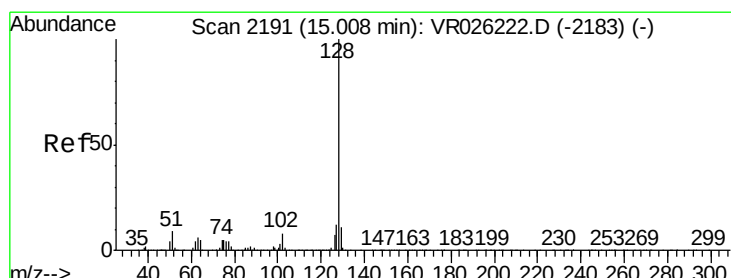
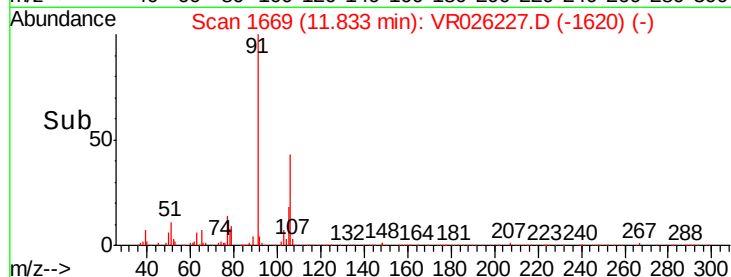
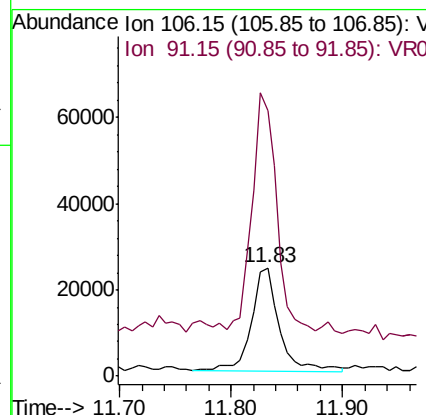
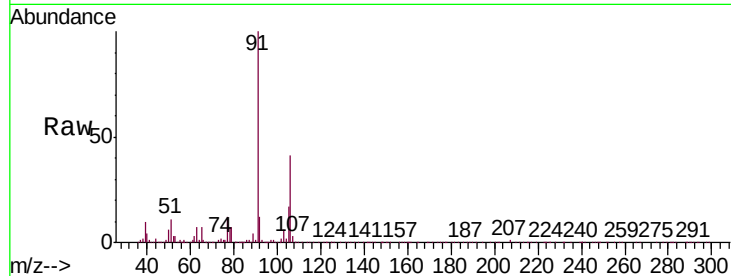




#54
o-Xylene
Concen: 0.301 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

Instrument :
MSVOA_R
ClientSampleId :
E3YA8

Tgt Ion:106 Resp: 41489
Ion Ratio Lower Upper
106 100
91 245.1 159.5 296.1



#69
Naphthalene
Concen: 0.307 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

Tgt Ion:128 Resp: 12896
Ion Ratio Lower Upper
128 100
127 14.8 9.8 14.8#
129 15.0 8.4 12.6#

