

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
 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 05:39:01 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

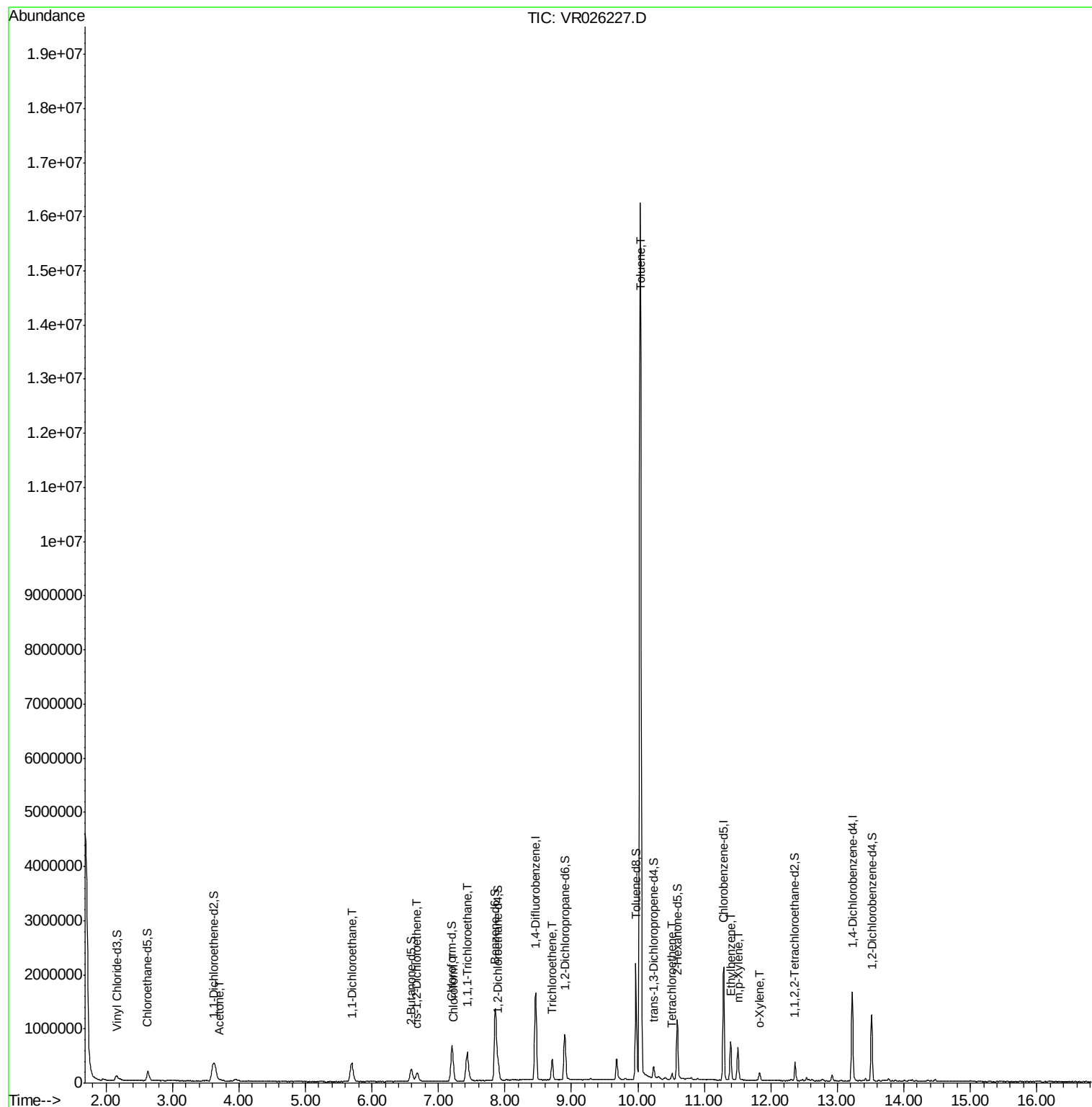
					Qvalue
13) Acetone	3.70	43	38689	4.598	ug/L 98
19) 1,1-Dichloroethane	5.69	63	544023	3.175	ug/L 97
22) cis-1,2-Dichloroethene	6.68	96	70824	0.856	ug/L # 93
25) Chloroform	7.23	83	49746	0.297	ug/L 96
29) 1,1,1-Trichloroethane	7.43	97	495455	3.797	ug/L 97
34) Trichloroethene	8.71	95	130057	1.451	ug/L 94
42) Toluene	10.04	91	10135221	27.652	ug/L # 75
47) Tetrachloroethene	10.51	164	23503	0.384	ug/L 96
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

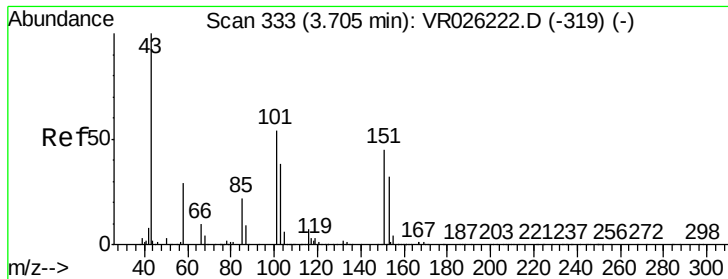
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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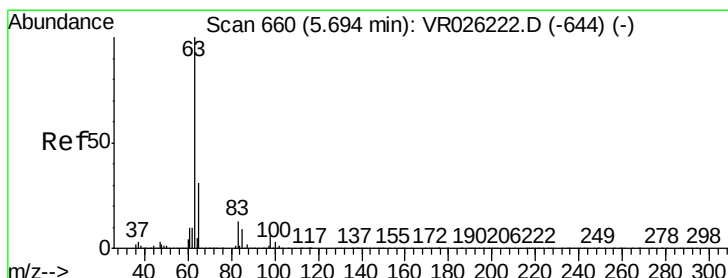
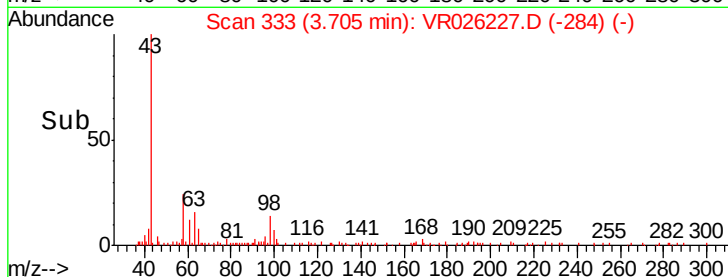
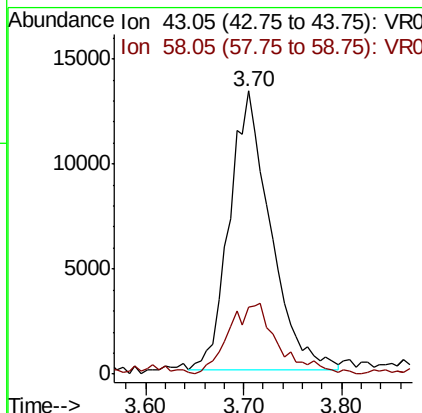
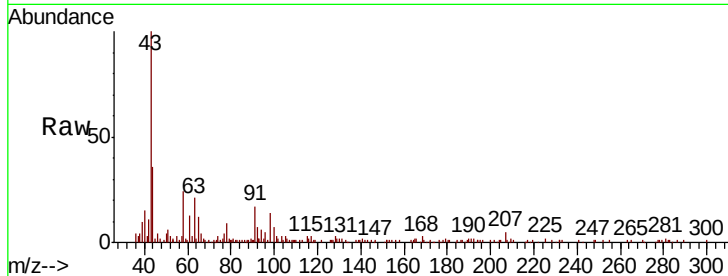




#13
Acetone
Concen: 4.598 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.00 min
Lab File: VR026227.D
Acq: 19 Nov 2018 18:24

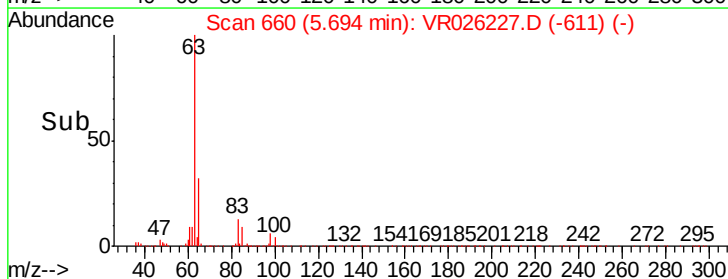
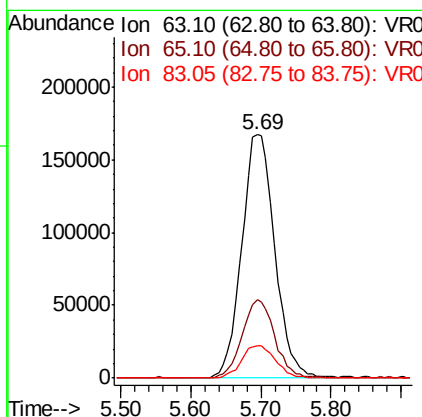
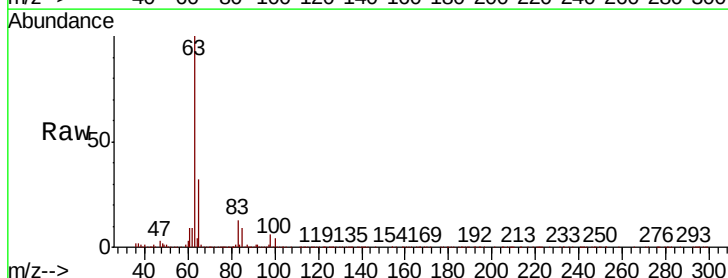
Instrument :
MSVOA_R
ClientSampleId :
E3YA8

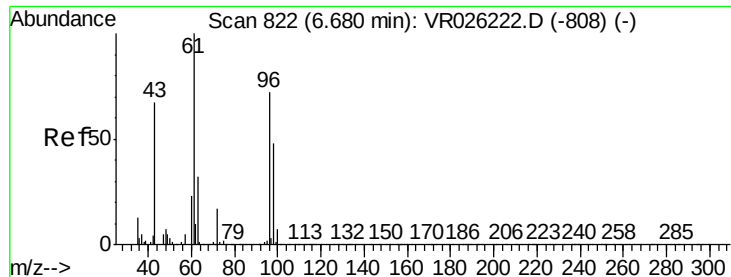
Tgt Ion: 43 Resp: 38689
Ion Ratio Lower Upper
43 100
58 30.2 0.0 58.6



#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

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

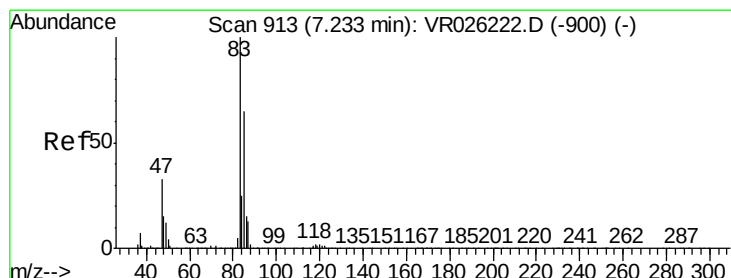
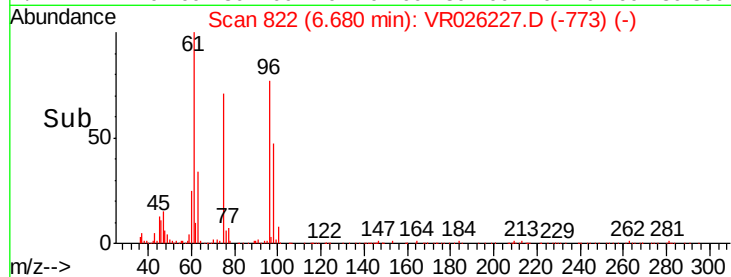
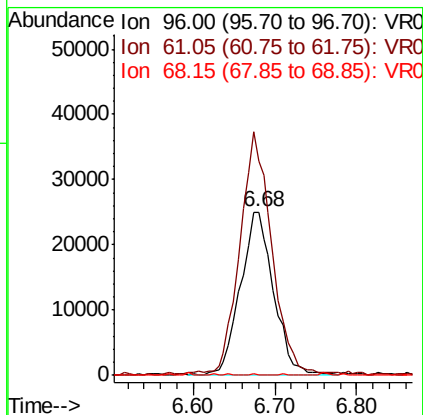
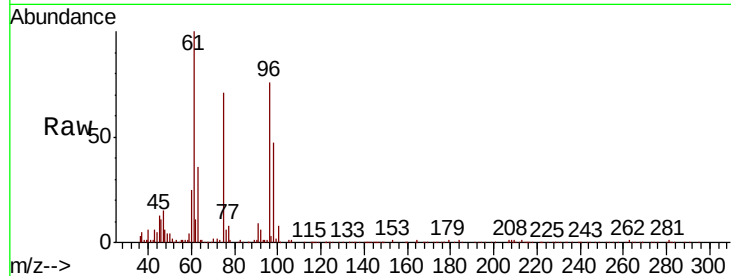
Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Instrument :
MSVOA_R
ClientSampleId :
E3YA8

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

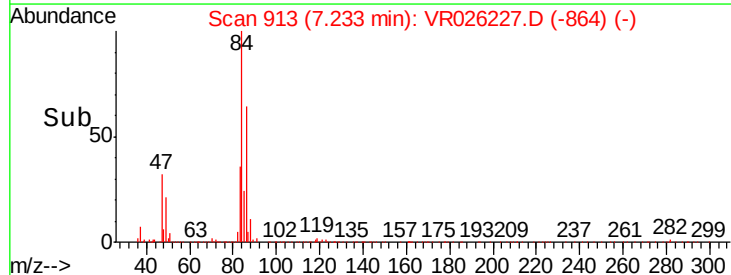
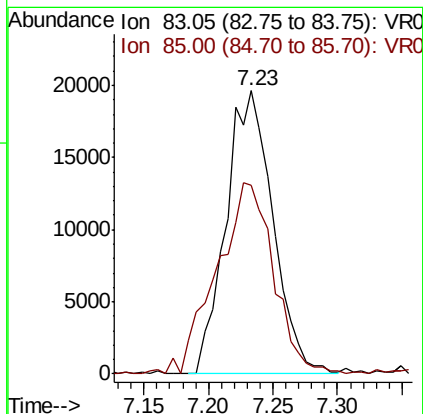
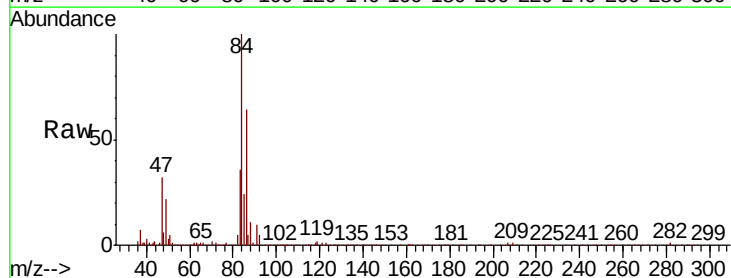
RT: 7.23 min Scan# 913

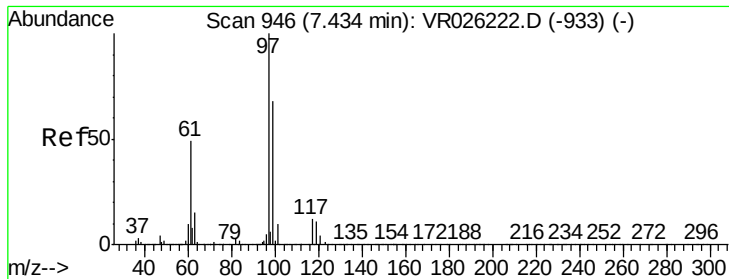
Delta R.T. 0.00 min

Lab File: VR026227.D

Acq: 19 Nov 2018 18:24

Tgt Ion:	83	Resp:	49746
Ion	Ratio	Lower	Upper
83	100		
85	66.8	44.8	83.2





#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

Instrument :

MSVOA_R

ClientSampleId :

E3YA8

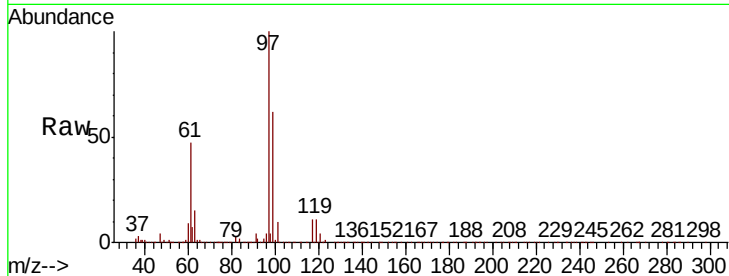
Tgt Ion: 97 Resp: 495455

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

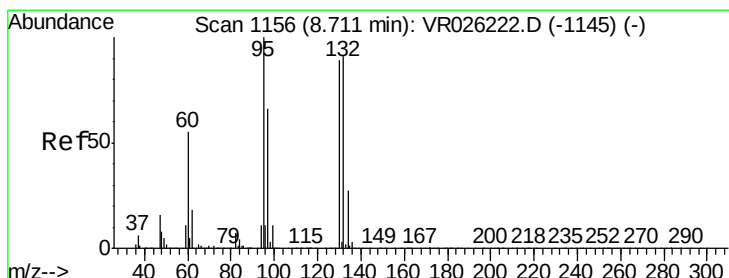
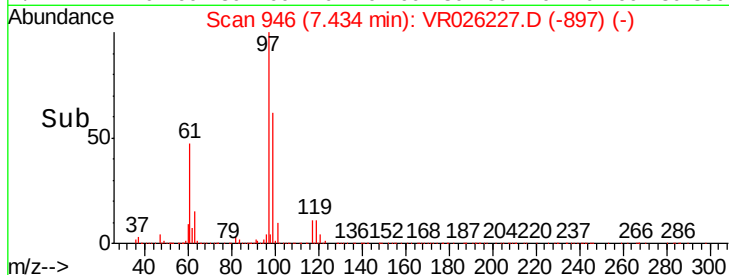
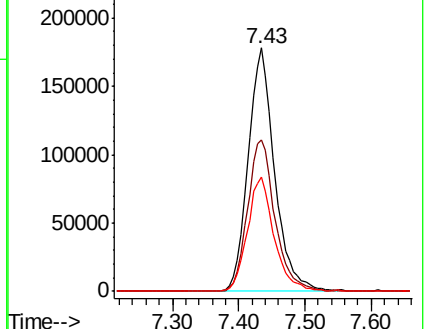
61 47.4 41.6 62.4



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



#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

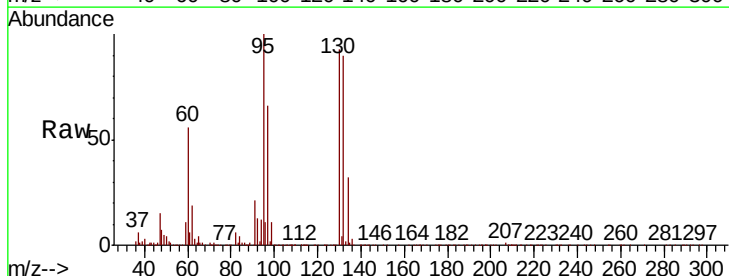
Ion Ratio Lower Upper

95 100

97 66.4 43.5 80.7

132 89.5 58.0 107.6

130 92.6 61.5 114.3

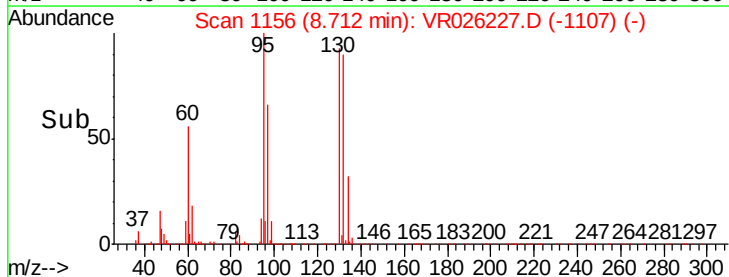
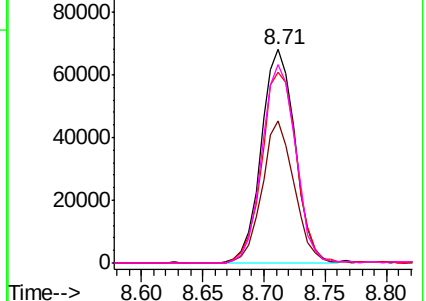


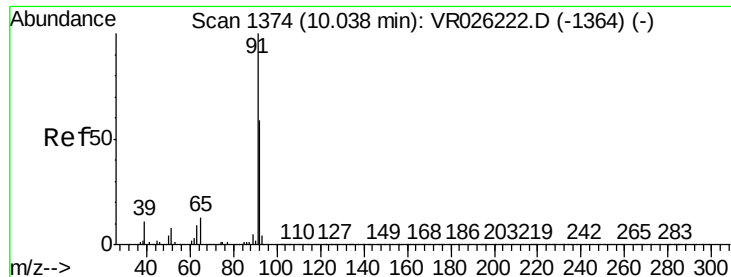
Abundance Ion 95.00 (94.70 to 95.70): VR0

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





#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

Instrument :

MSVOA_R

ClientSampleId :

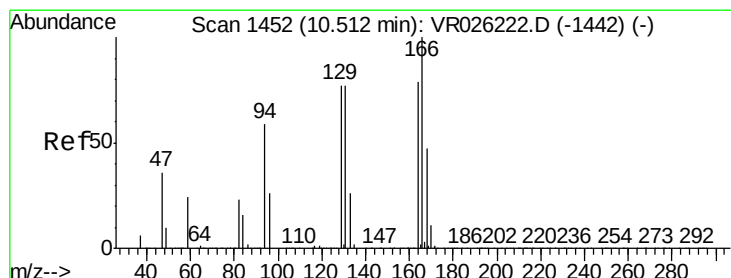
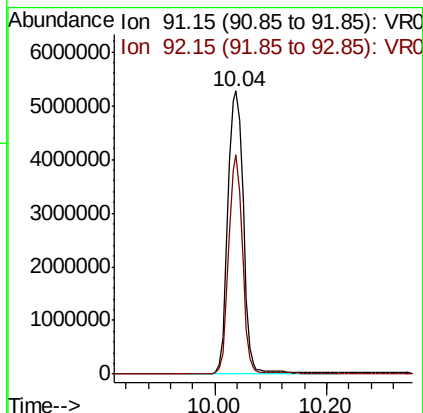
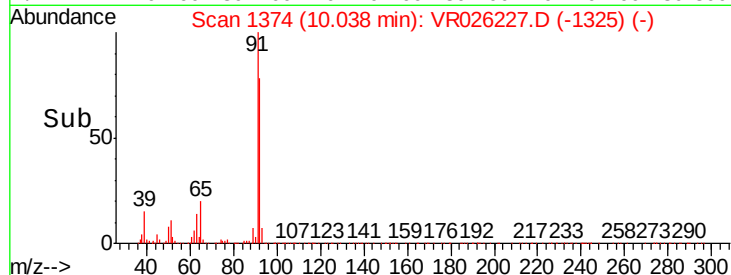
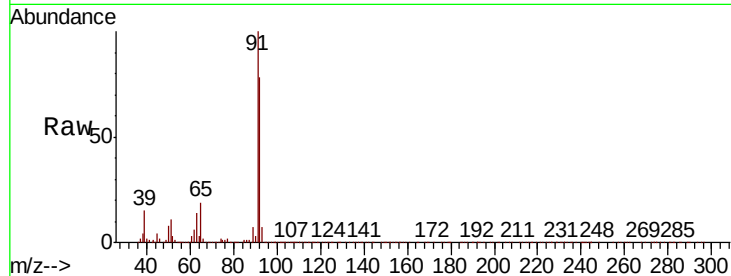
E3YA8

Tgt Ion: 91 Resp:10135221

Ion Ratio Lower Upper

91 100

92 77.6 41.4 76.8#



#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

Tgt Ion:164 Resp: 23503

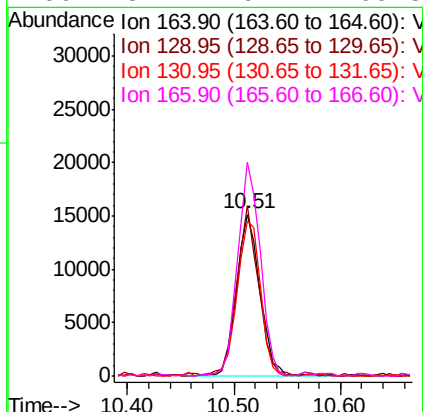
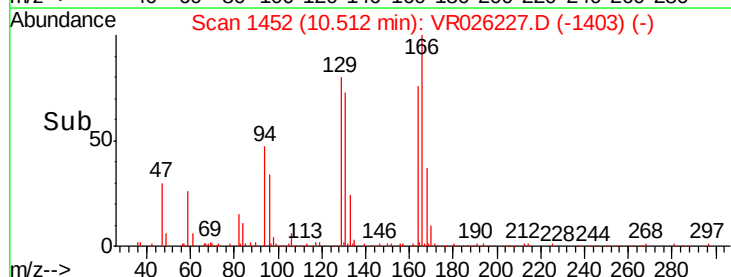
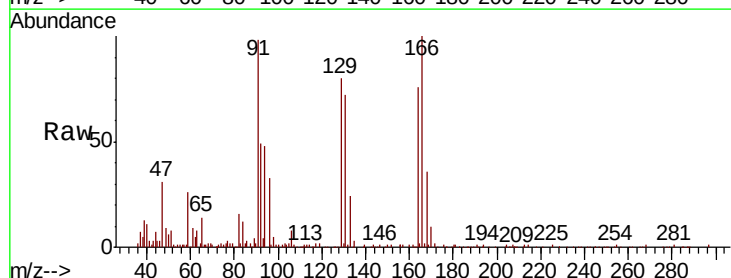
Ion Ratio Lower Upper

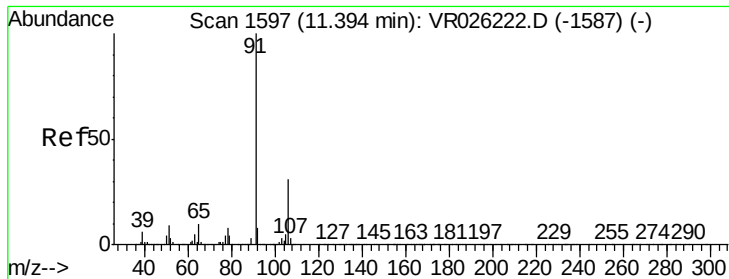
164 100

129 105.5 72.3 134.3

131 95.6 73.4 136.2

166 132.1 91.4 169.8





#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 :

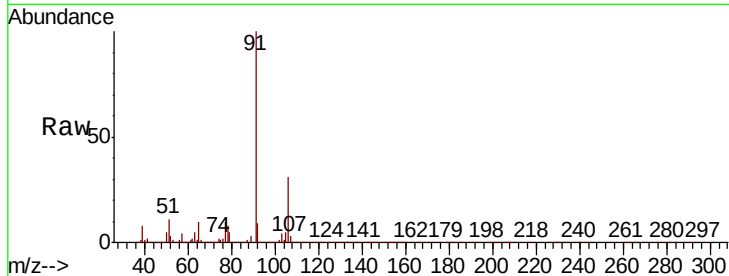
E3YA8

Tgt Ion: 91 Resp: 431836

Ion Ratio Lower Upper

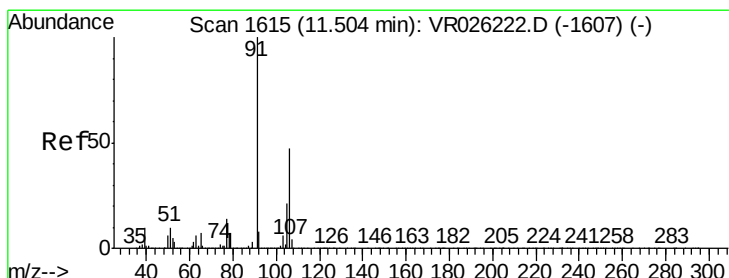
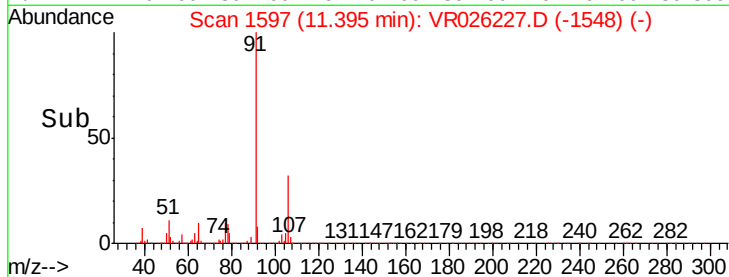
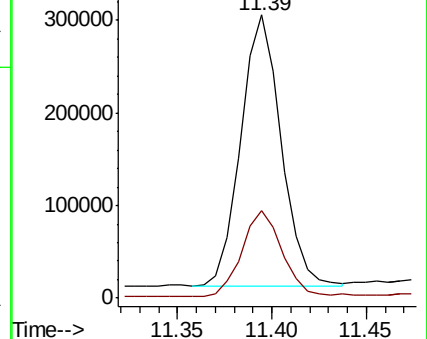
91 100

106 31.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#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

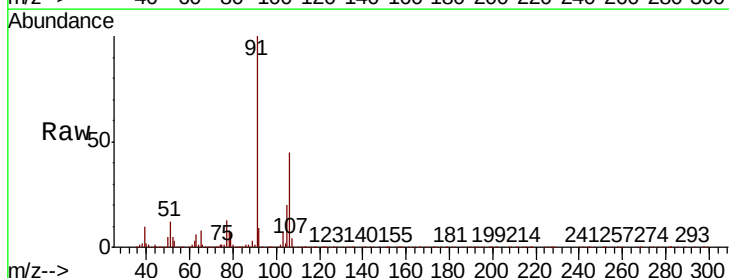
Acq: 19 Nov 2018 18:24

Tgt Ion: 106 Resp: 175523

Ion Ratio Lower Upper

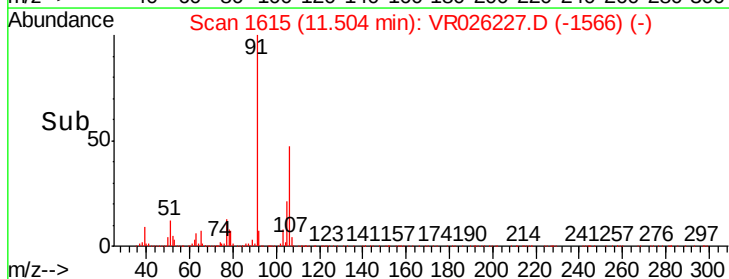
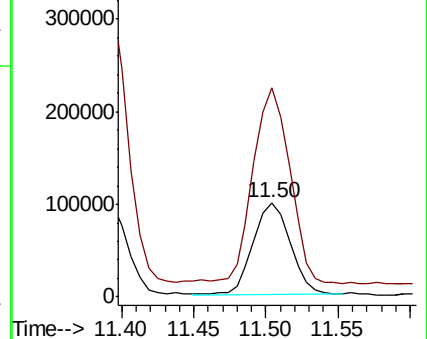
106 100

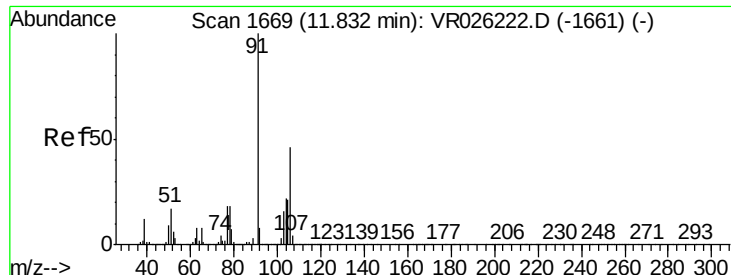
91 221.9 153.9 285.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#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

