

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027682.D
 Acq On : 17 Oct 2018 16:56
 Operator : MD/SY
 Sample : J5463-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC3

Quant Time: Oct 19 06:50:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	83622	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	39228	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27365	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.68	69	23222	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.28	63	50096	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.20	46	86761	45.92	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.84%
24) Chloroform-d	4.65	84	47704	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.31	65	26449	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.34	84	104020	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.33	67	36293	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.57	98	98420	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.85	79	14038	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.31	63	75561	47.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26453	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	36204	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	369	0.065	ug/L #	20
12) 1,1-Dichloroethene	2.29	96	18210	3.218	ug/L	92
13) Acetone	2.32	43	2033	1.682	ug/L	85
19) 1,1-Dichloroethane	3.45	63	2872	0.240	ug/L #	94
22) cis-1,2-Dichloroethene	4.23	96	20718	3.111	ug/L #	93
25) Chloroform	4.67	83	3291	0.285	ug/L	95
29) 1,1,1-Trichloroethane	4.92	97	3037	0.322	ug/L	97
31) Carbon tetrachloride	5.14	117	1071	0.125	ug/L	92
34) Trichloroethene	6.19	95	107012	16.422	ug/L	99
35) Methylcyclohexane	6.33	83	7823	0.697	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	3547	0.491	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	894	0.085	ug/L #	59
42) Toluene	7.64	91	1270	0.047	ug/L	84
47) Tetrachloroethene	8.23	164	48112	9.248	ug/L	97
48) 2-Hexanone	8.37	43	998	0.285	ug/L #	78
49) Dibromochloromethane	8.23	129	44210	7.653	ug/L #	11
53) m,p-xylene	9.38	106	636	0.057	ug/L	94

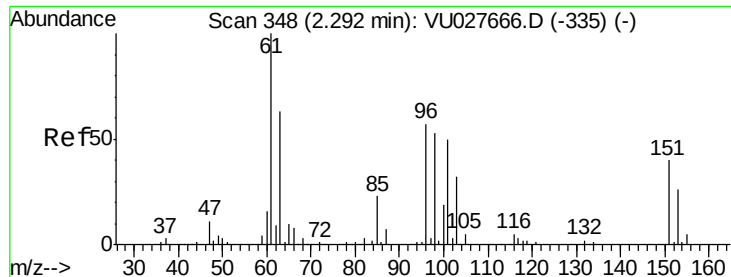
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
Data File : VU027682.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 06:41:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	4699	1.131	ug/L	92

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.065 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

C0JC3

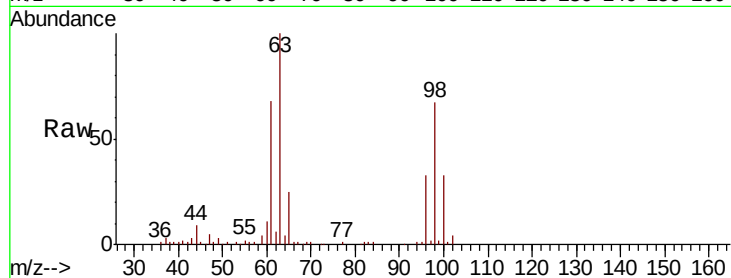
Tgt Ion: 101 Resp: 369

Ion Ratio Lower Upper

101 100

85 5.1 35.6 53.4#

151 0.0 63.8 95.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28

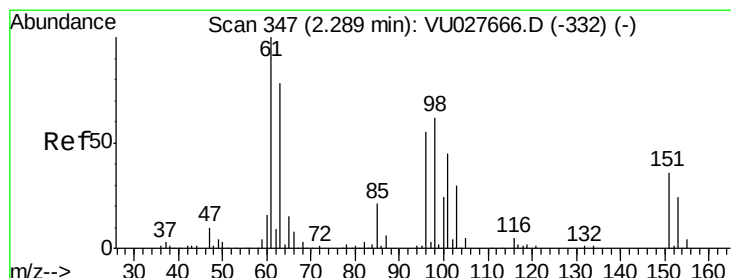
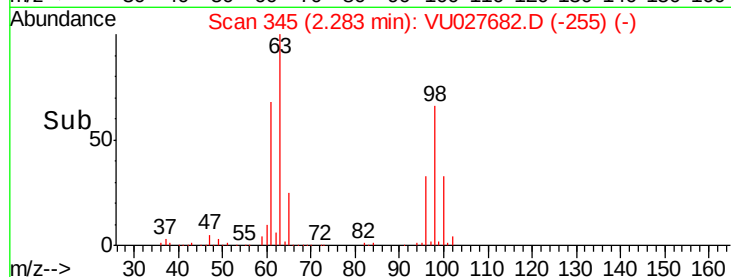
200

100

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 3.218 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

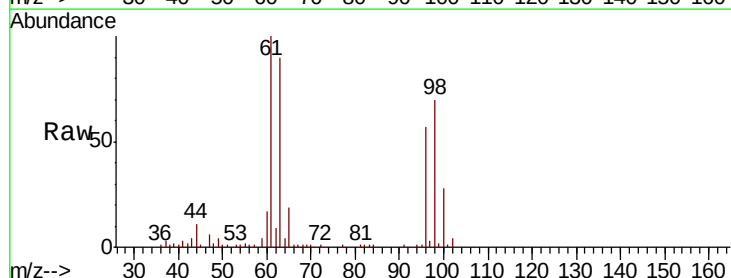
Tgt Ion: 96 Resp: 18210

Ion Ratio Lower Upper

96 100

61 176.3 125.6 233.2

63 158.8 97.6 181.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

40000

30000

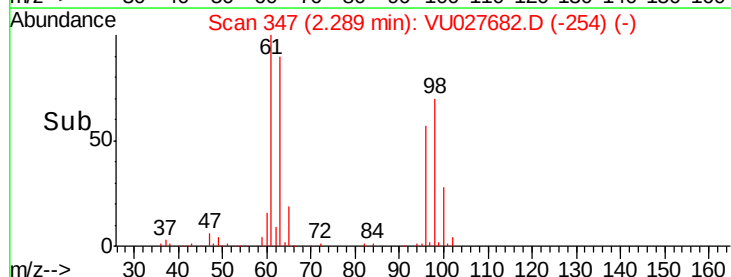
20000

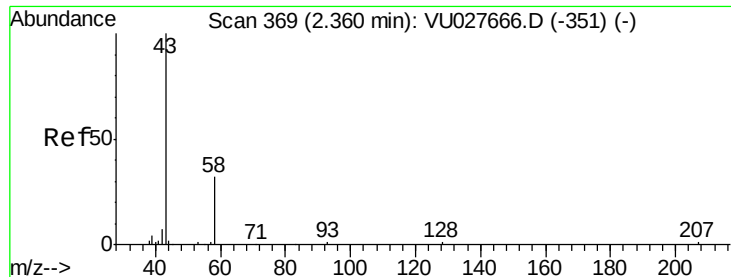
10000

0

2.25 2.30 2.35

Time-->





#13

Acetone

Concen: 1.682 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.04 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

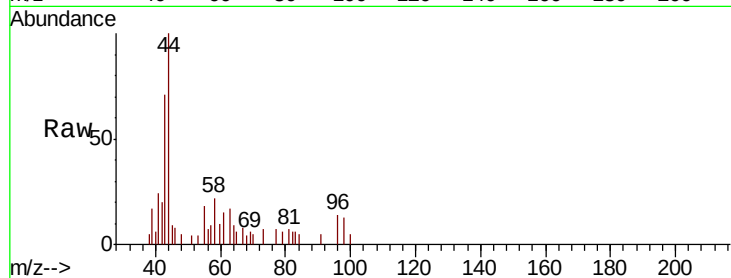
C0JC3

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

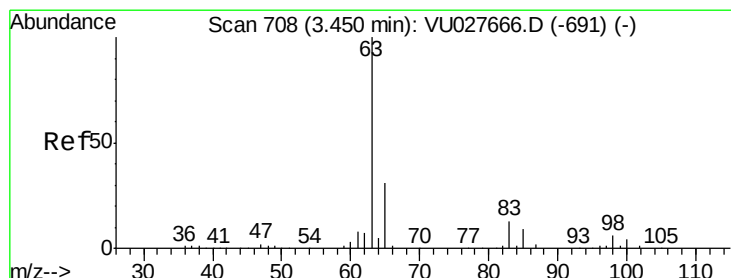
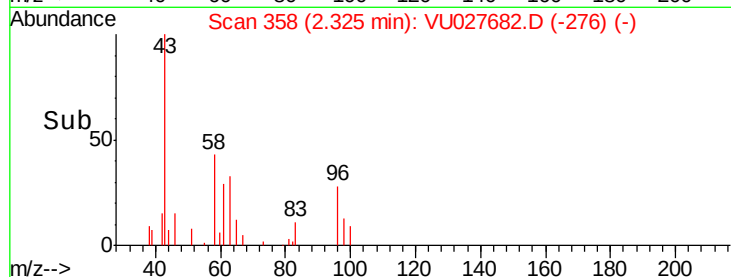
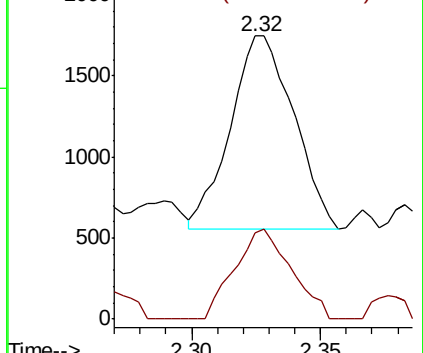
43 100

58 41.8 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.240 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

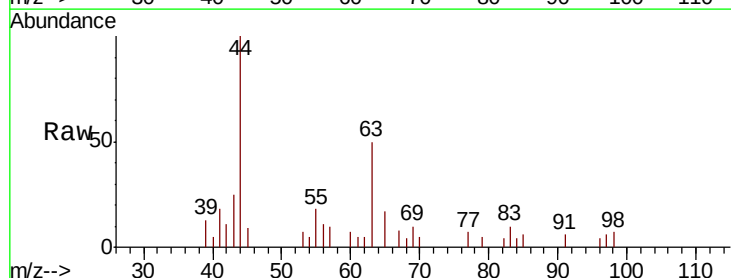
Tgt Ion: 63 Resp: 2872

Ion Ratio Lower Upper

63 100

65 33.9 22.3 41.3

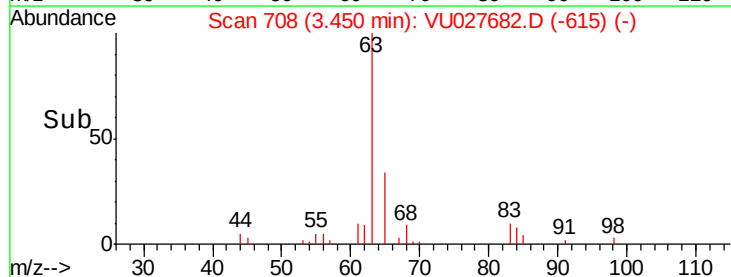
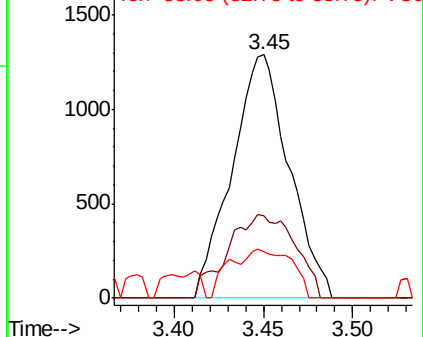
83 18.9 9.7 17.9#

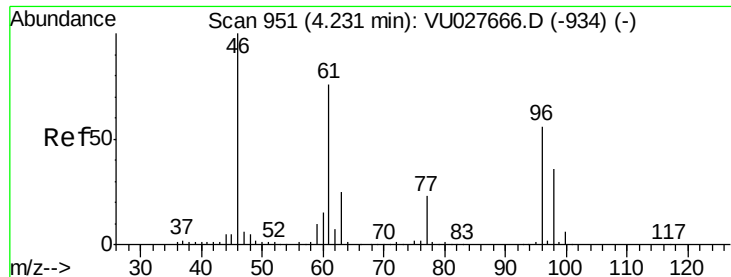


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 3.111 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :
MSVOA_U
ClientSampled :
C0JC3

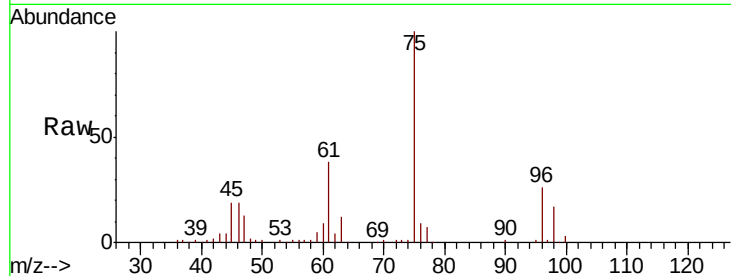
Tgt Ion: 96 Resp: 20718

Ion Ratio Lower Upper

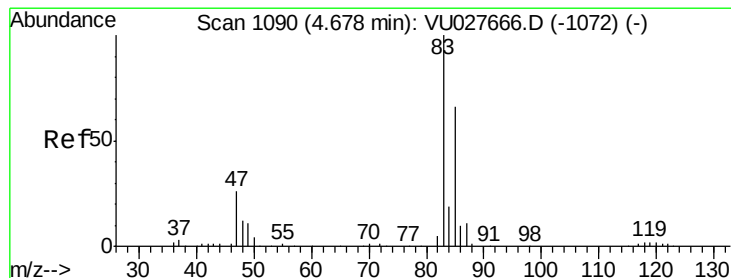
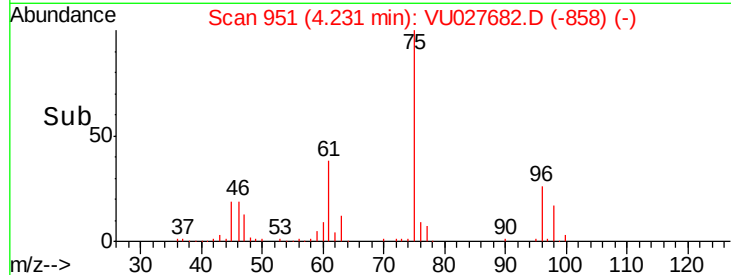
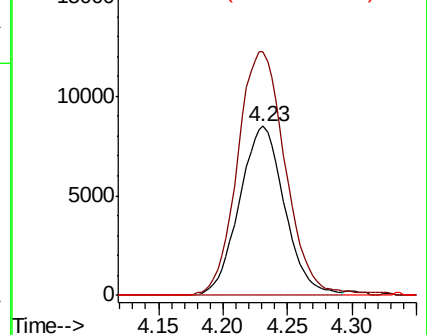
96 100

61 144.1 95.3 176.9

68 0.0 1.1 2.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.285 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VU027682.D

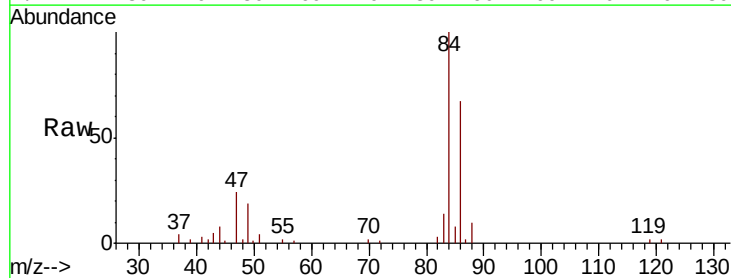
Acq: 17 Oct 2018 16:56

Tgt Ion: 83 Resp: 3291

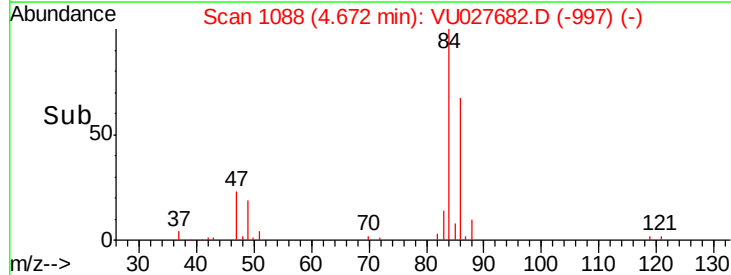
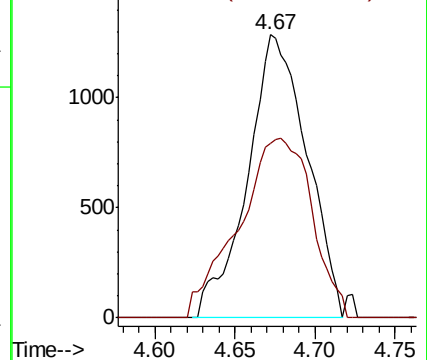
Ion Ratio Lower Upper

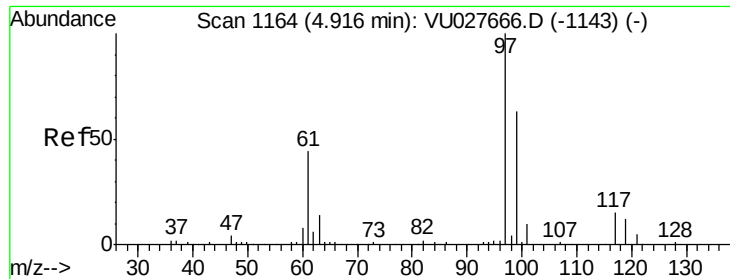
83 100

85 61.7 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

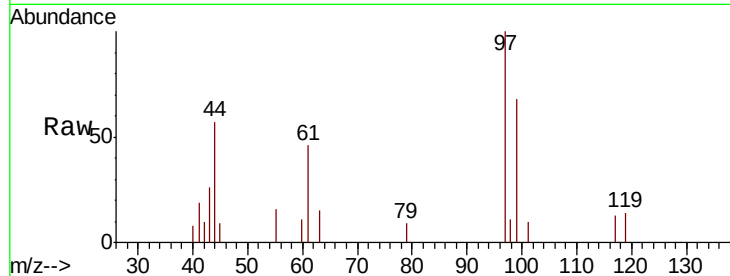




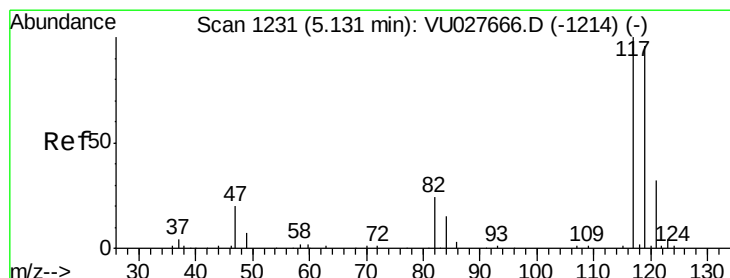
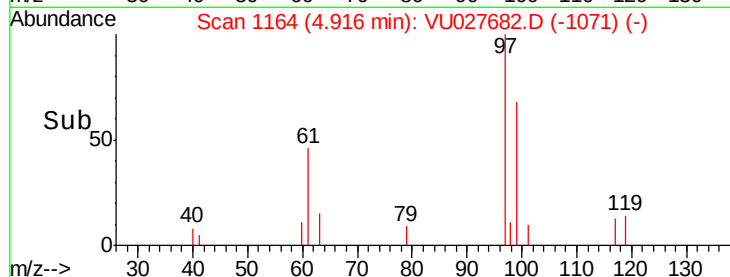
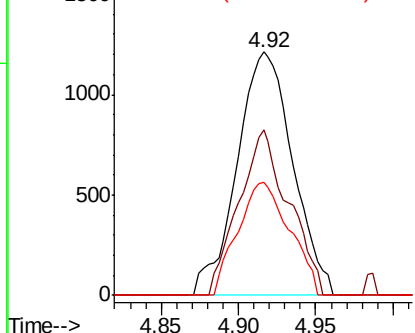
#29
 1,1,1-Trichloroethane
 Concen: 0.322 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027682.D
 Acq: 17 Oct 2018 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC3

Tgt Ion: 97 Resp: 3037
 Ion Ratio Lower Upper
 97 100
 99 61.1 51.4 77.2
 61 43.3 35.7 53.5

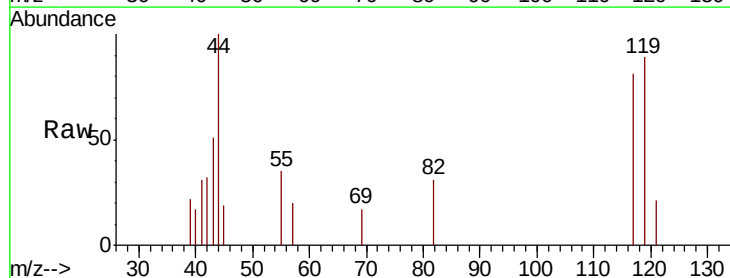


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

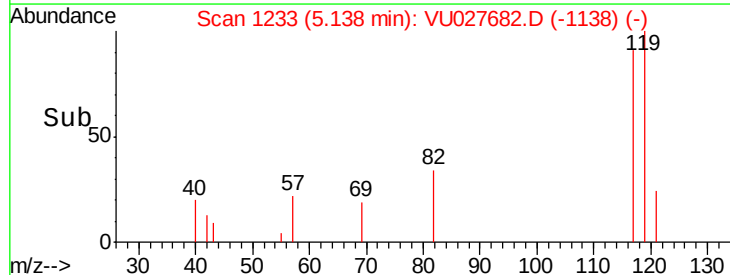
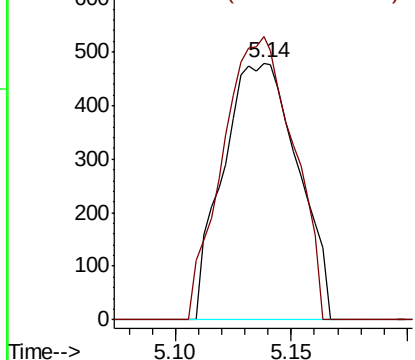


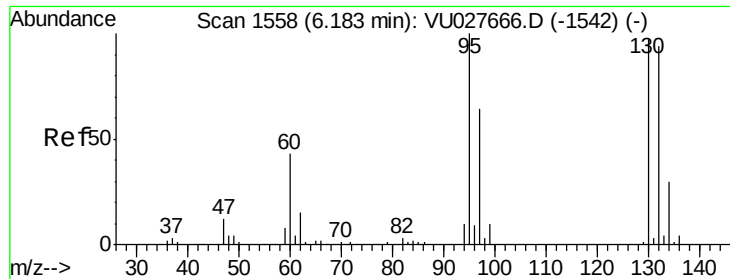
#31
 Carbon tetrachloride
 Concen: 0.125 ug/L
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VU027682.D
 Acq: 17 Oct 2018 16:56

Tgt Ion: 117 Resp: 1071
 Ion Ratio Lower Upper
 117 100
 119 104.6 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 16.422 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

C0JC3

Tgt Ion: 95 Resp: 107012

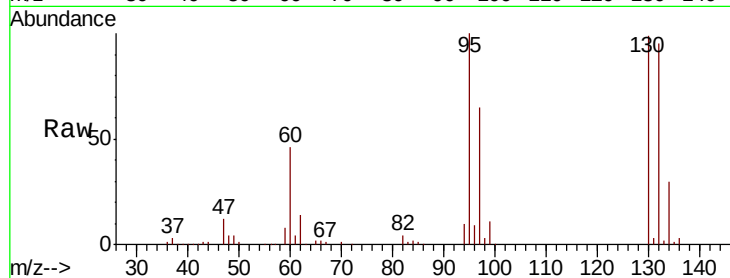
Ion Ratio Lower Upper

95 100

97 64.9 44.7 83.1

132 94.5 65.9 122.5

130 98.7 67.9 126.1

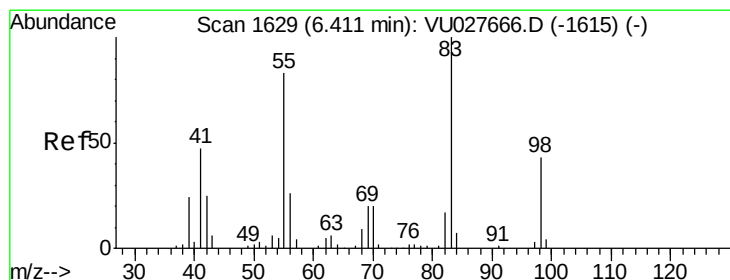
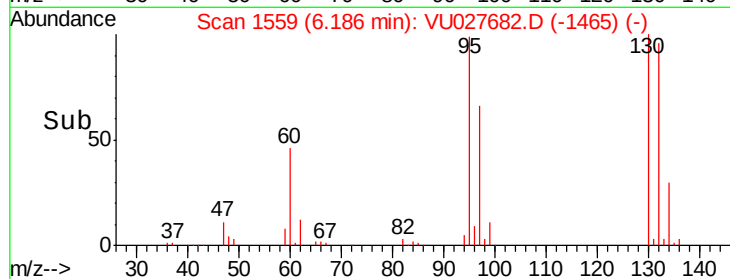
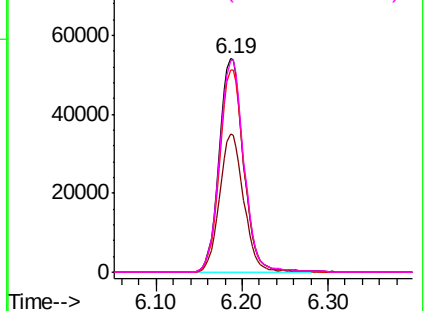


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.697 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

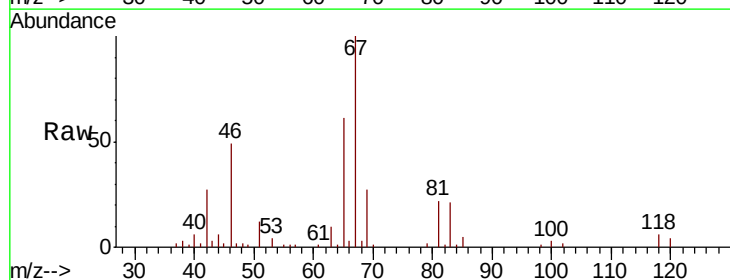
Tgt Ion: 83 Resp: 7823

Ion Ratio Lower Upper

83 100

55 0.5 69.0 103.4#

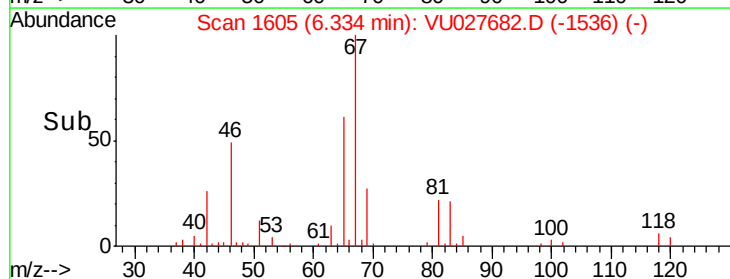
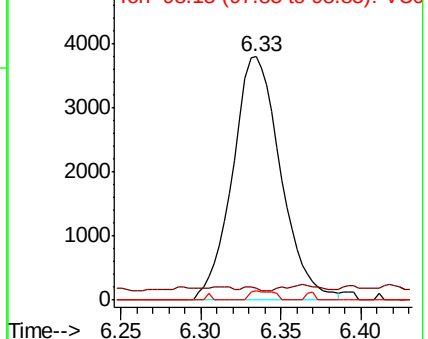
98 1.8 35.4 53.2#

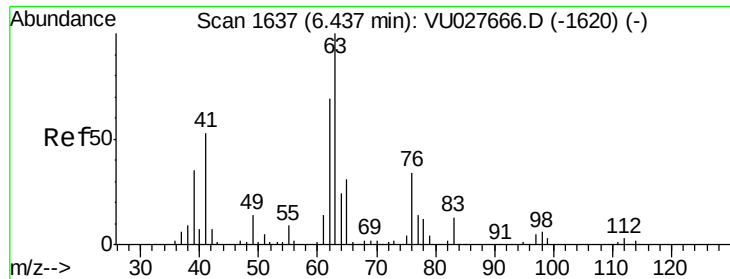


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.491 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

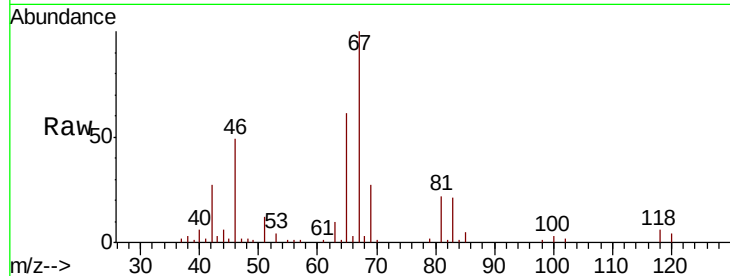
C0JC3

Tgt Ion: 63 Resp: 3547

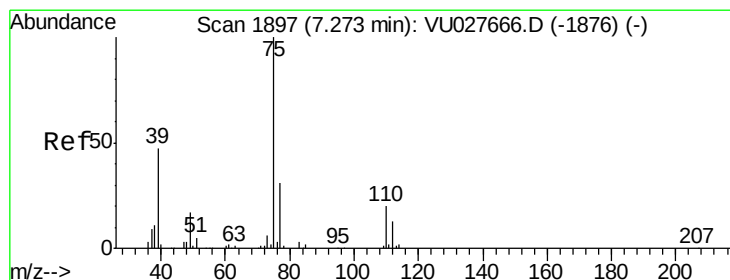
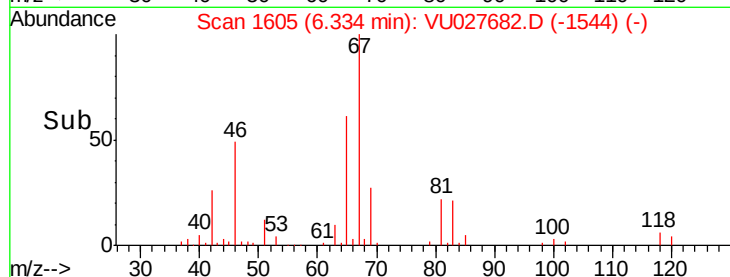
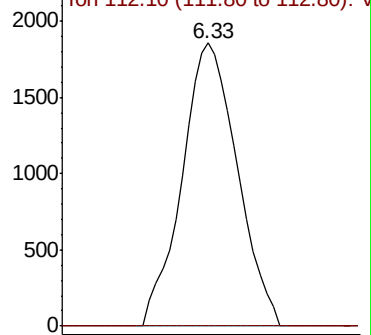
Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU027666.D (-1620) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU027682.D

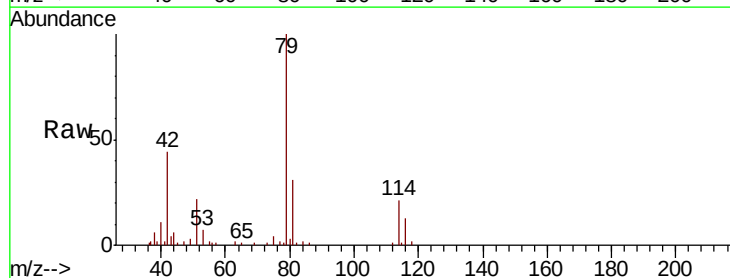
Acq: 17 Oct 2018 16:56

Tgt Ion: 75 Resp: 894

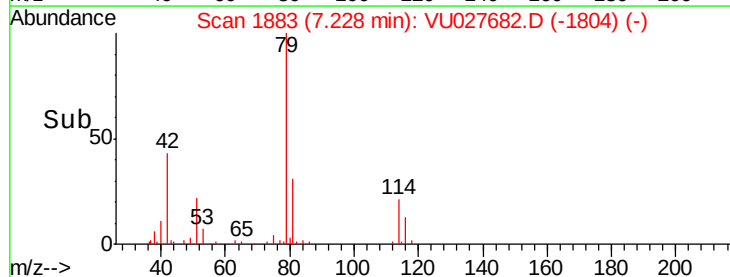
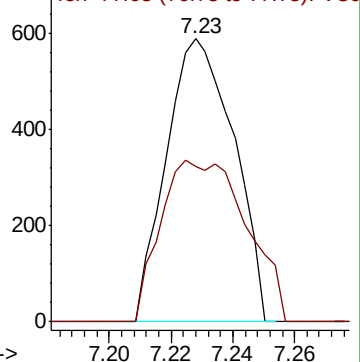
Ion Ratio Lower Upper

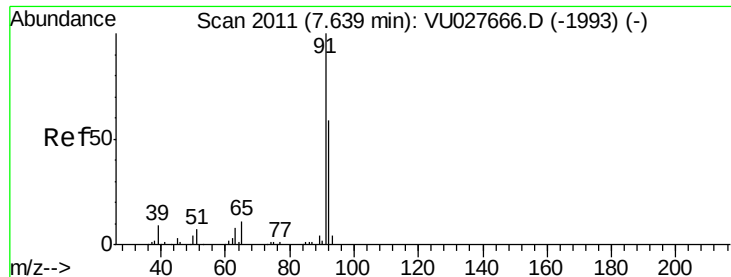
75 100

77 54.7 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VU027666.D (-1876) (-)





#42

Toluene

Concen: 0.047 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

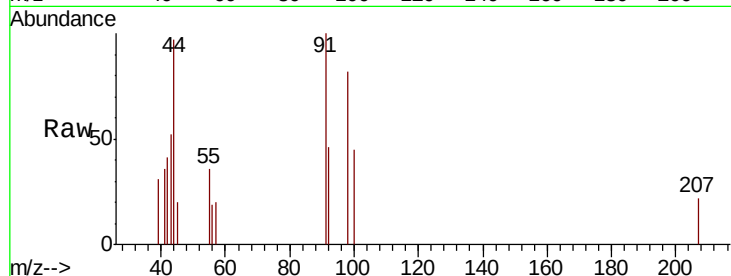
C0JC3

Tgt Ion: 91 Resp: 1270

Ion Ratio Lower Upper

91 100

92 46.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

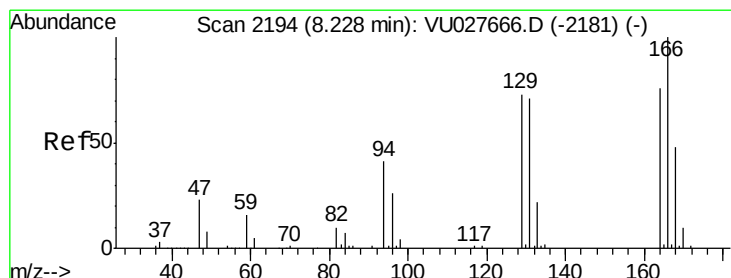
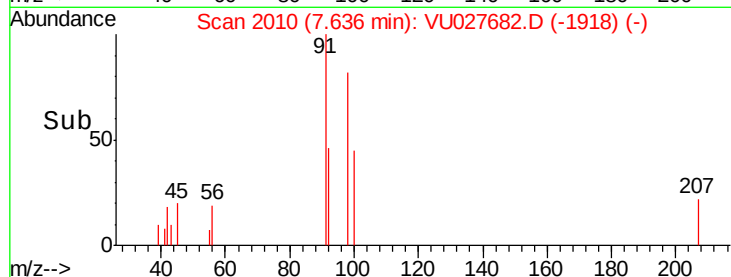
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 9.248 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027682.D

Acq: 17 Oct 2018 16:56

Tgt Ion: 164 Resp: 48112

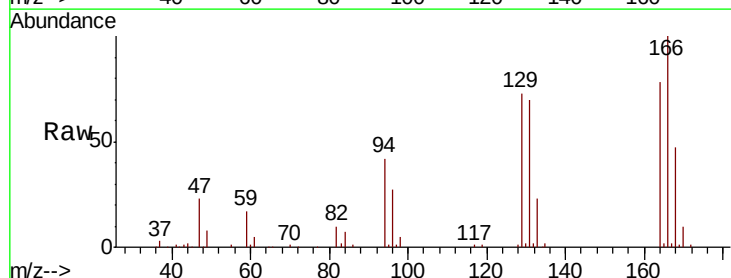
Ion Ratio Lower Upper

164 100

129 92.7 67.3 124.9

131 89.0 64.8 120.3

166 127.8 91.8 170.4



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

50000

40000

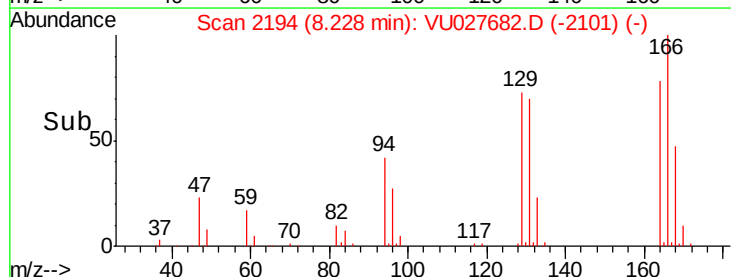
30000

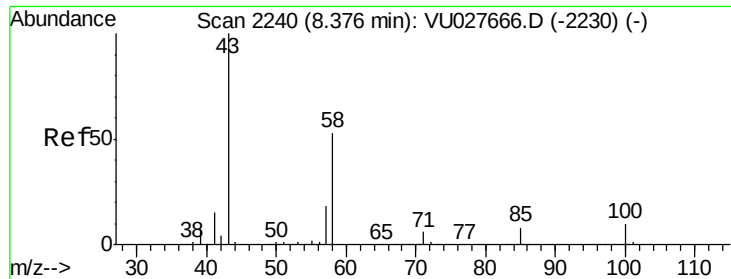
20000

10000

0

Time-->

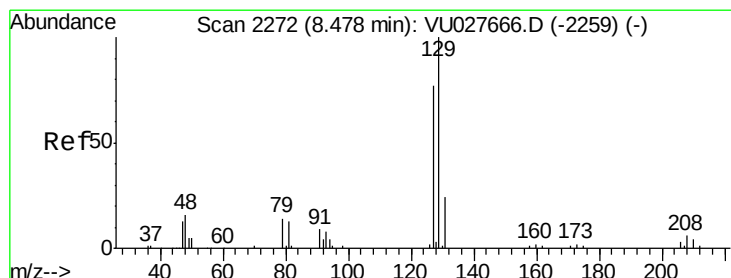
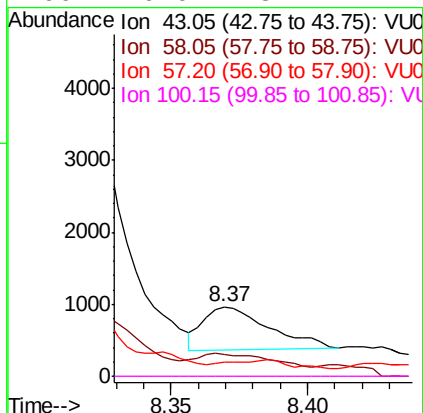
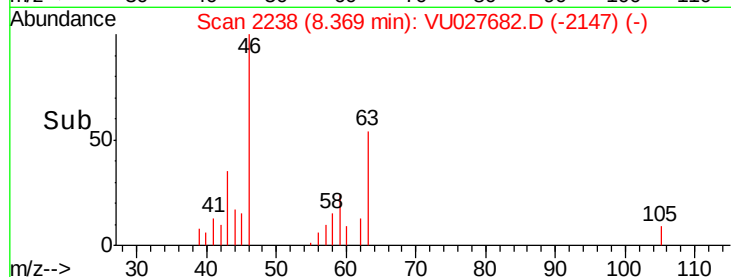
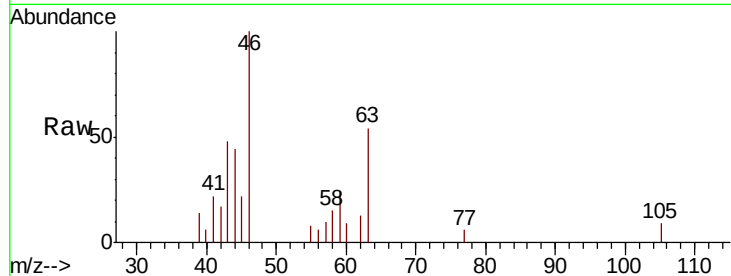




#48
2-Hexanone
Concen: 0.285 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VU027682.D
Acq: 17 Oct 2018 16:56

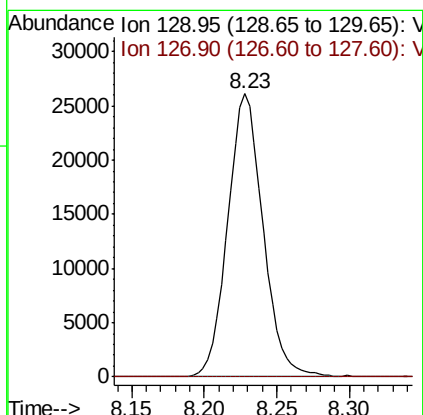
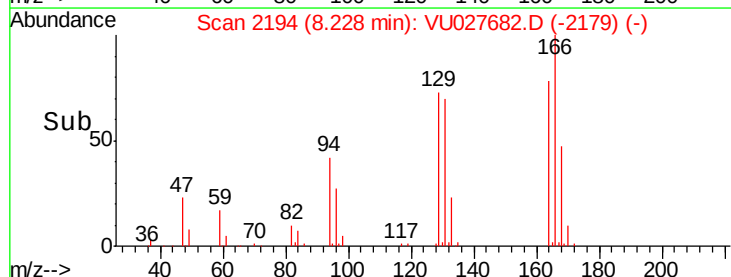
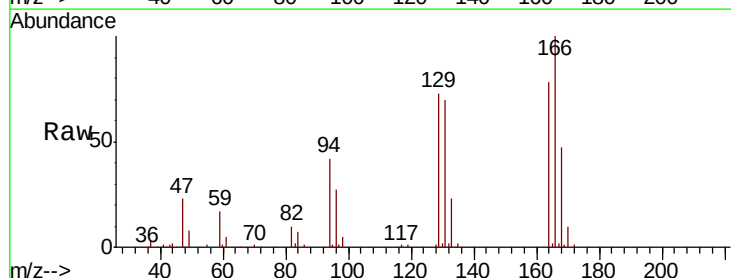
Instrument :
MSVOA_U
ClientSampleId :
C0JC3

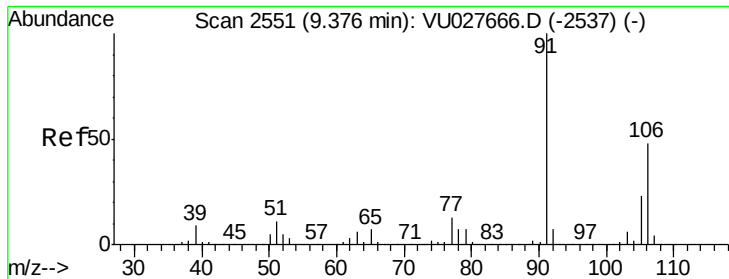
Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 70.3 42.7 64.1#
57 24.0 14.5 21.7#
100 0.0 8.1 12.1#



#49
Dibromochloromethane
Concen: 7.653 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027682.D
Acq: 17 Oct 2018 16:56

Tgt Ion: 129 Resp: 44210
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

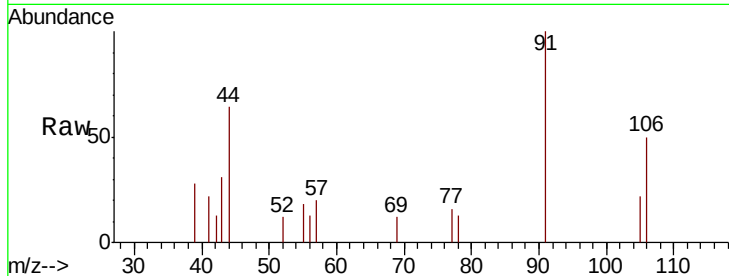




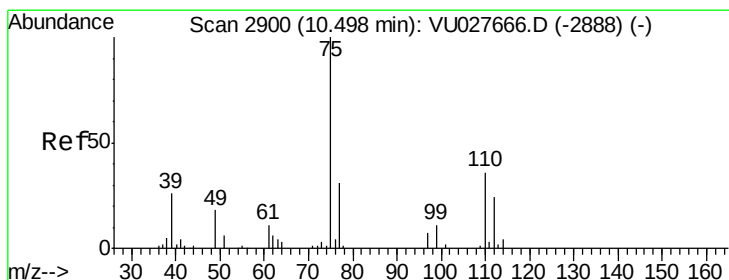
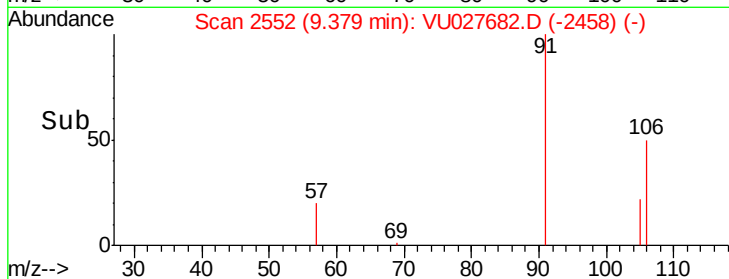
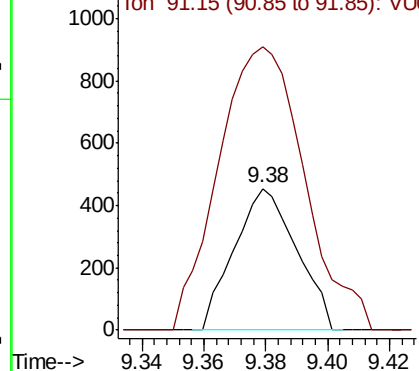
#53
m,p-xylene
Concen: 0.057 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027682.D
Acq: 17 Oct 2018 16:56

Instrument :
MSVOA_U
ClientSampleId :
C0JC3

Tgt Ion: 106 Resp: 636
Ion Ratio Lower Upper
106 100
91 200.0 146.8 272.6

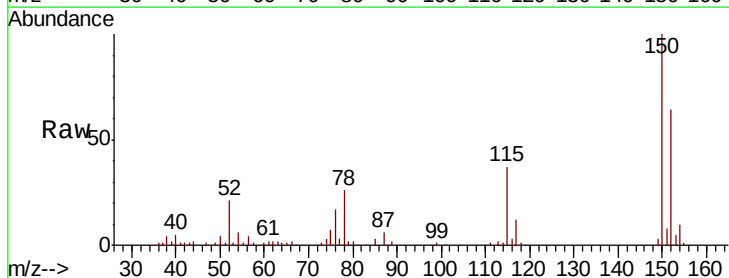


Abundance Ion 106.15 (105.85 to 106.85): VU027666.D (-2537) (-)
Ion 91.15 (90.85 to 91.85): VU027666.D (-2537) (-)



#59
1,2,3-Trichloropropane
Concen: 1.131 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027682.D
Acq: 17 Oct 2018 16:56

Tgt Ion: 75 Resp: 4699
Ion Ratio Lower Upper
75 100
77 38.2 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU027666.D (-2888) (-)
Ion 77.00 (76.70 to 77.70): VU027666.D (-2888) (-)

