

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027680.D
 Acq On : 17 Oct 2018 16:04
 Operator : MD/SY
 Sample : J5463-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB4

Quant Time: Oct 19 06:49:44 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	82650	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	40055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27512	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	23243	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.28	63	40935	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.20	46	89446	47.89	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	4.65	84	49611	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.31	65	27918	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.34	84	104502	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	36392	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.57	98	98785	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	14877	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.32	63	78026	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26670	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	37299	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.41	62	13949	1.730	ug/L 87
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	369	0.066	ug/L # 23
12) 1,1-Dichloroethene	2.28	96	637	0.114	ug/L # 1
13) Acetone	2.32	43	2770	2.319	ug/L 90
18) trans-1,2-Dichloroethene	2.98	96	5165	0.869	ug/L 97
22) cis-1,2-Dichloroethene	4.23	96	89615	13.617	ug/L # 93
25) Chloroform	4.68	83	2228	0.195	ug/L 94
33) Benzene	5.39	78	16051	0.626	ug/L 100
34) Trichloroethene	6.18	95	116523	17.544	ug/L 98
35) Methylcyclohexane	6.33	83	8194	0.716	ug/L # 16
37) 1,2-Dichloropropane	6.33	63	3737	0.507	ug/L # 89
39) cis-1,3-Dichloropropene	7.23	75	909	0.085	ug/L # 36
47) Tetrachloroethene	8.23	164	2418	0.456	ug/L 95
48) 2-Hexanone	8.32	43	8696	2.440	ug/L # 68
49) Dibromochloromethane	8.22	129	2353	0.400	ug/L # 11
59) 1,2,3-Trichloropropane	11.49	75	4890	1.155	ug/L 95

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Response via : Initial Calibration

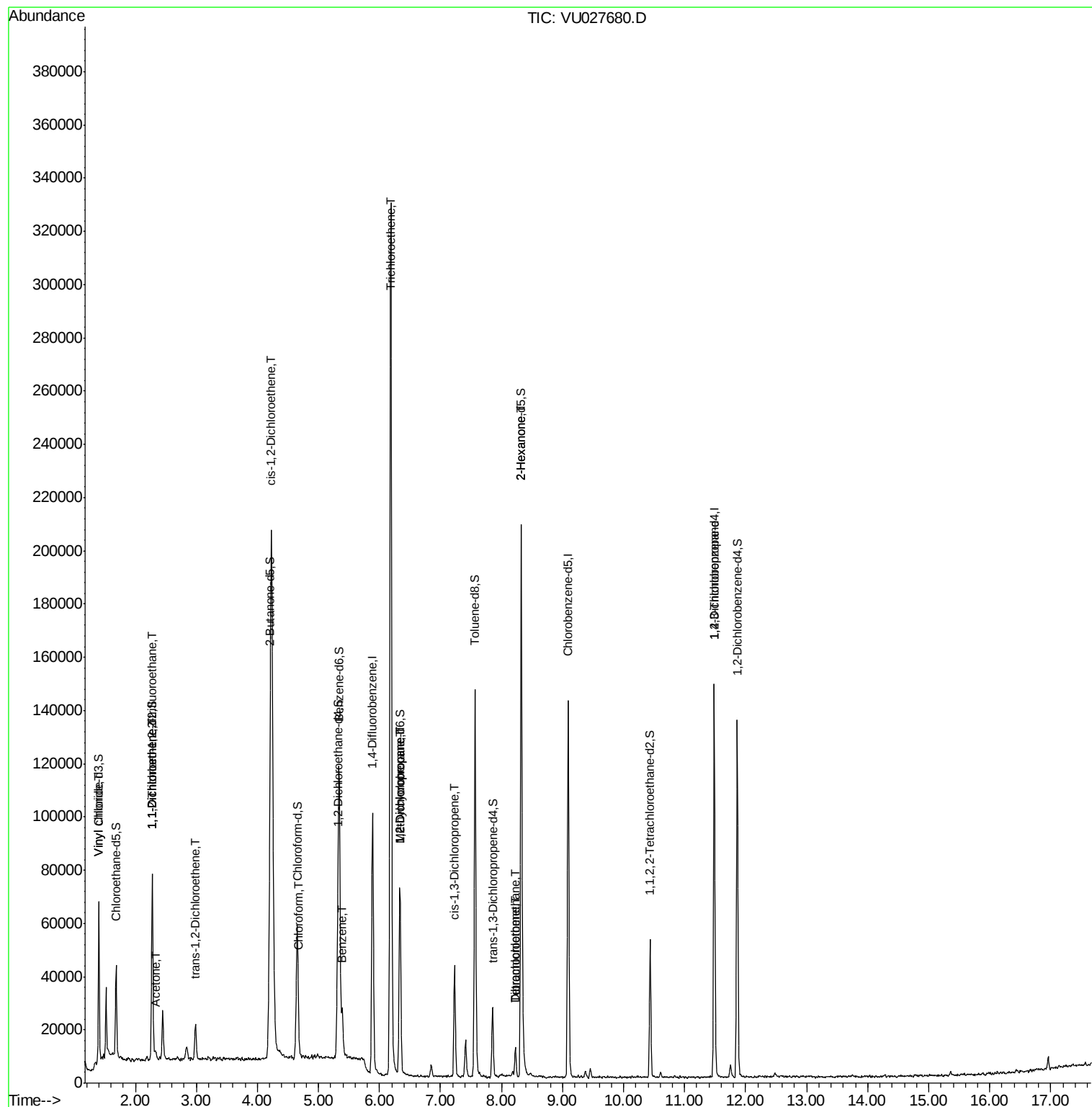
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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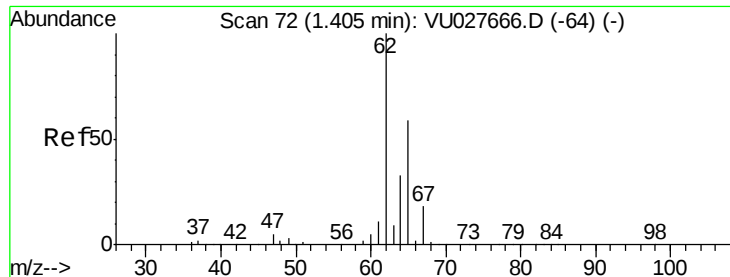
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.730 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampled :

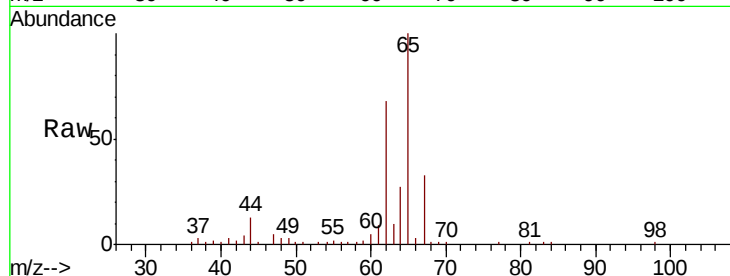
C0JB4

Tgt Ion: 62 Resp: 13949

Ion Ratio Lower Upper

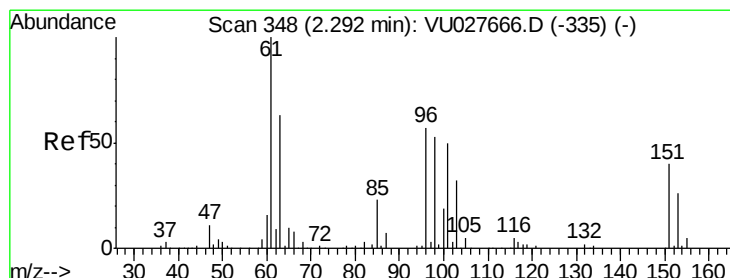
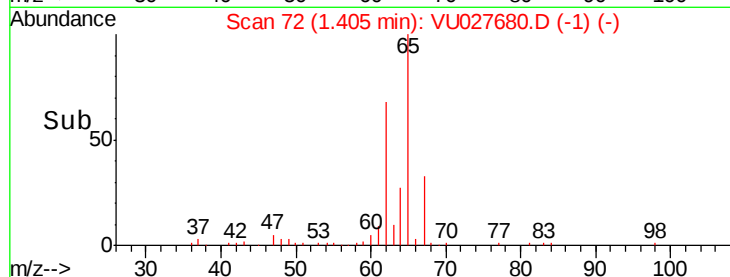
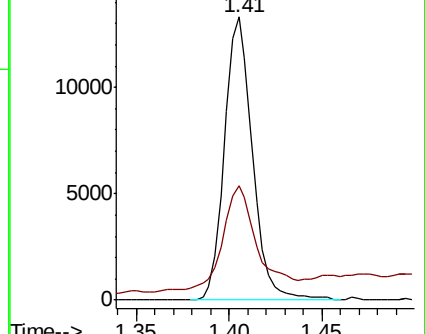
62 100

64 40.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU027666.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VU027680.D (-255) (-)



#10

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

Concen: 0.066 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

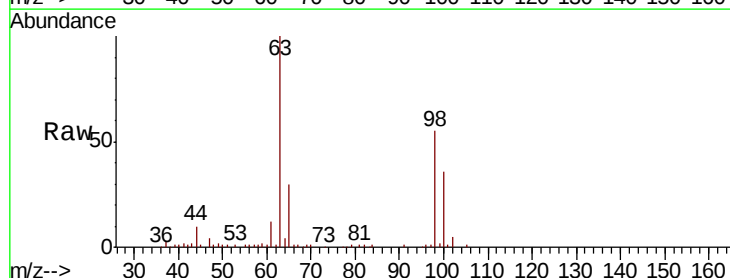
Tgt Ion: 101 Resp: 369

Ion Ratio Lower Upper

101 100

85 10.8 35.6 53.4#

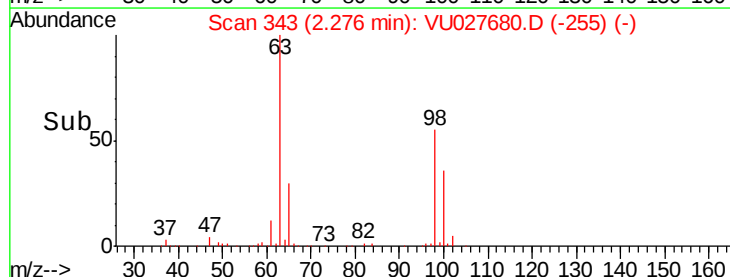
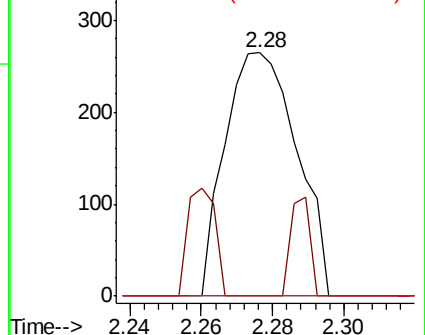
151 0.0 63.8 95.6#

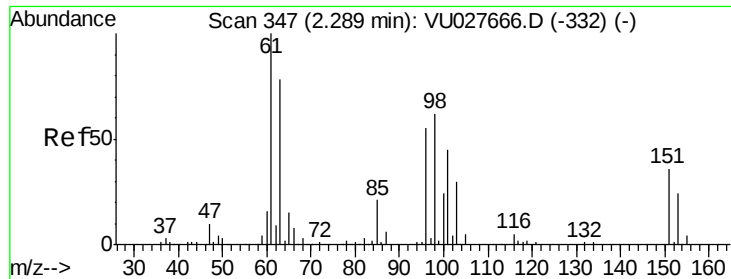


Abundance Ion 101.00 (100.70 to 101.70): VU027666.D (-335) (-)

Ion 85.00 (84.70 to 85.70): VU027680.D (-255) (-)

Ion 151.00 (150.70 to 151.70): VU027680.D (-255) (-)





#12

1,1-Dichloroethene

Concen: 0.114 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

C0JB4

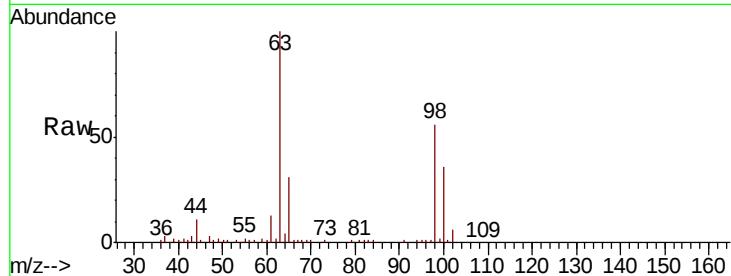
Tgt Ion: 96 Resp: 637

Ion Ratio Lower Upper

96 100

61 862.4 125.6 233.2#

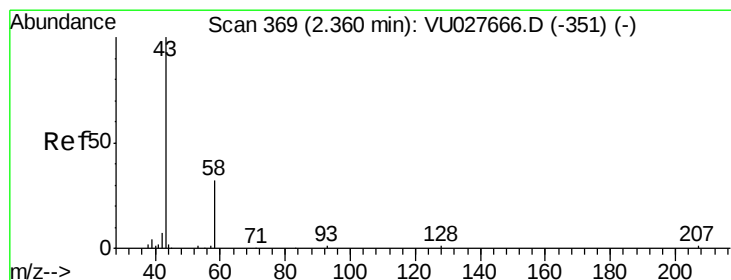
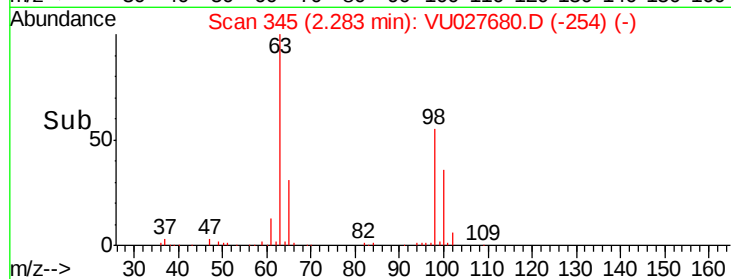
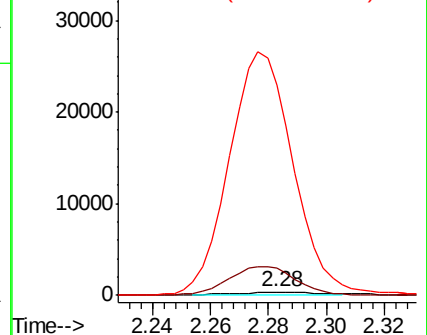
63 6778.7 97.6 181.2#



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



#13

Acetone

Concen: 2.319 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.04 min

Lab File: VU027680.D

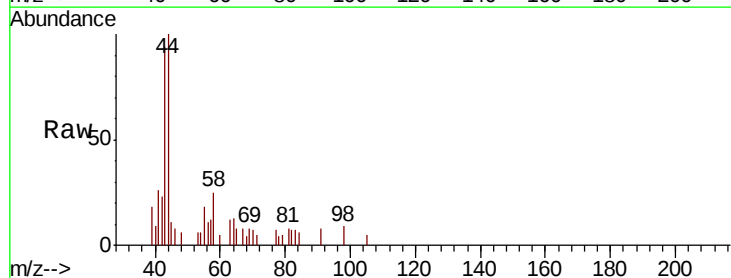
Acq: 17 Oct 2018 16:04

Tgt Ion: 43 Resp: 2770

Ion Ratio Lower Upper

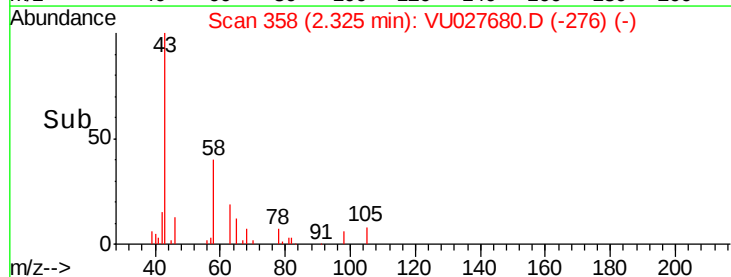
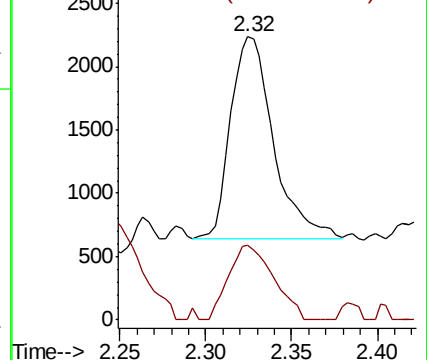
43 100

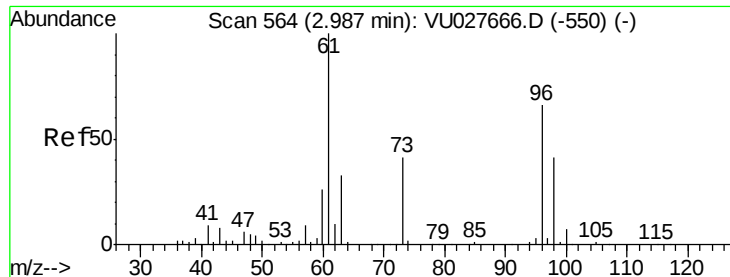
58 38.7 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.869 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

C0JB4

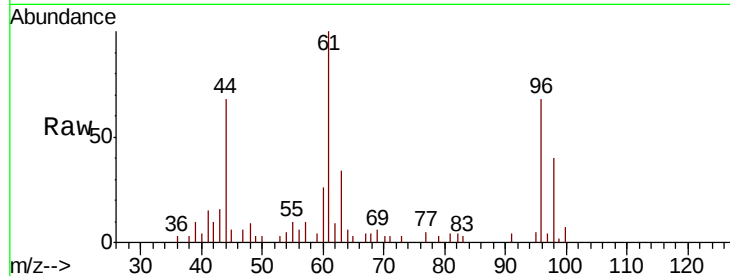
Tgt Ion: 96 Resp: 5165

Ion Ratio Lower Upper

96 100

61 148.1 105.8 196.4

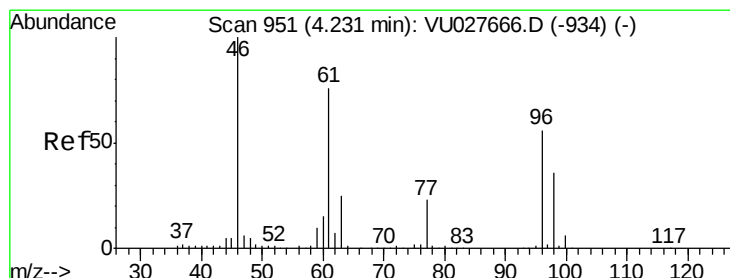
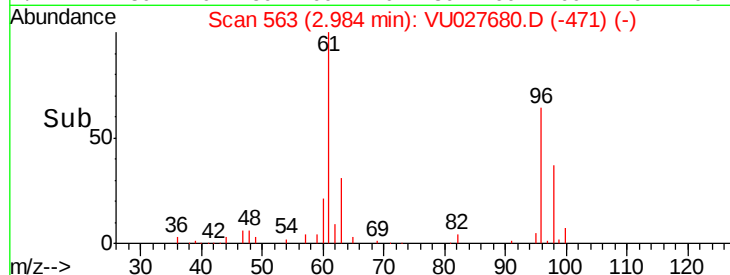
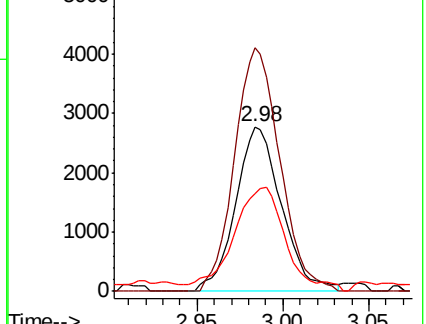
98 59.7 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 13.617 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

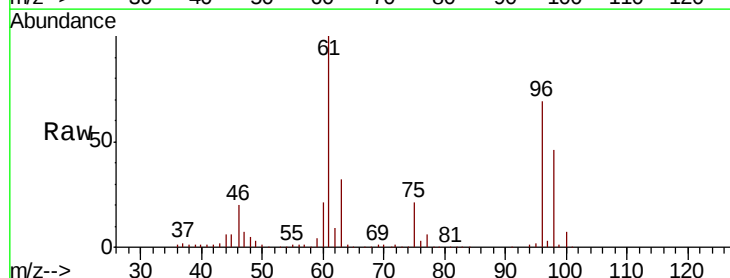
Tgt Ion: 96 Resp: 89615

Ion Ratio Lower Upper

96 100

61 144.1 95.3 176.9

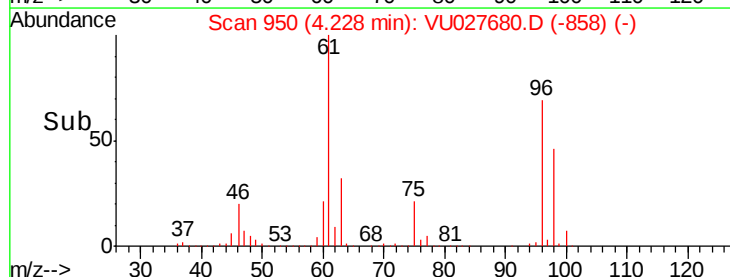
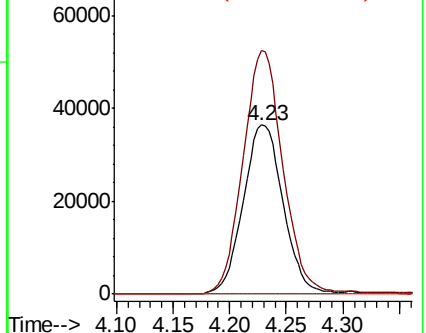
68 0.3 1.1 2.1#

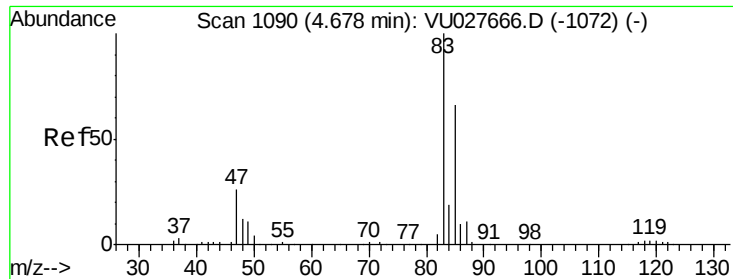


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

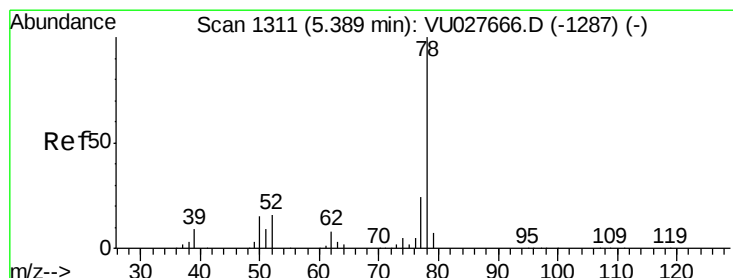
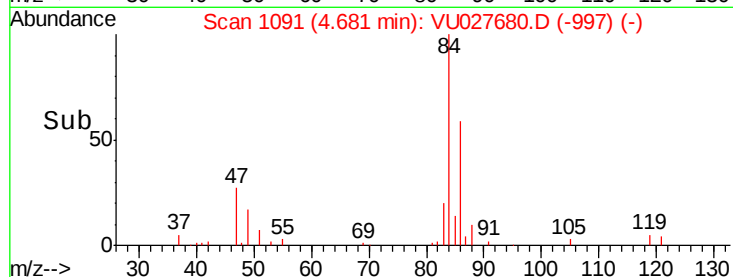
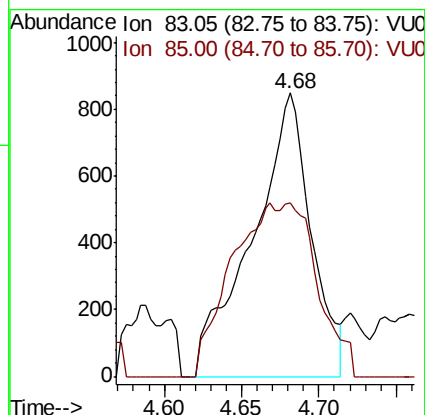
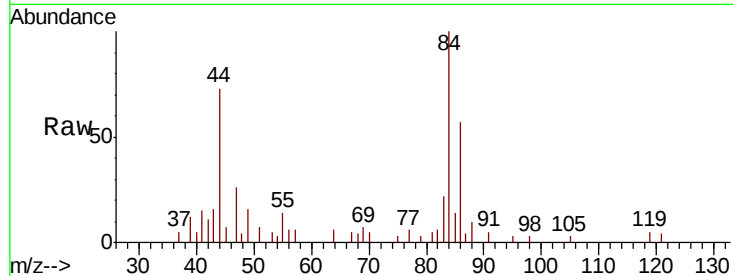




#25
Chloroform
Concen: 0.195 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027680.D
Acq: 17 Oct 2018 16:04

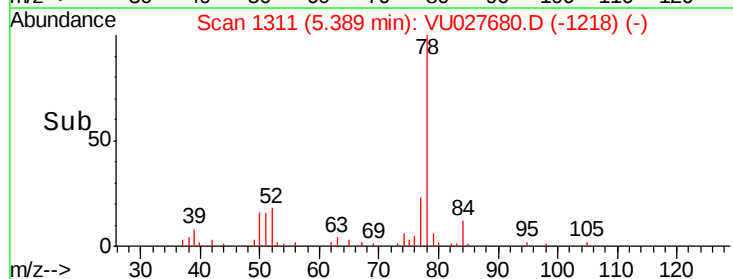
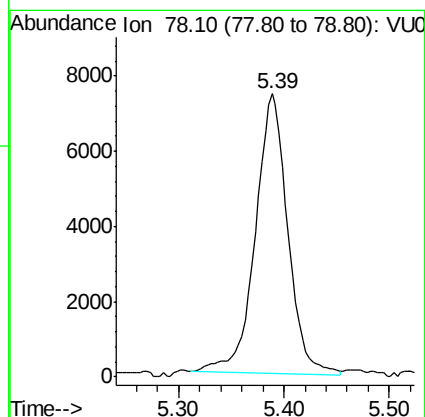
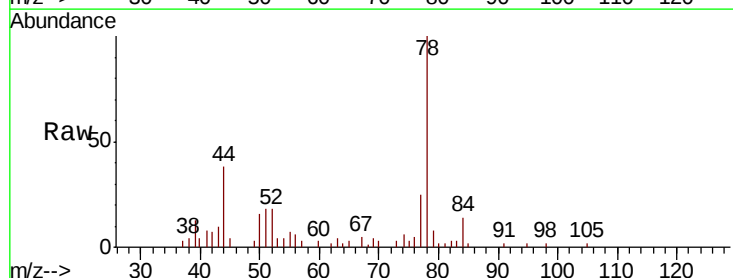
Instrument :
MSVOA_U
ClientSampled :
C0JB4

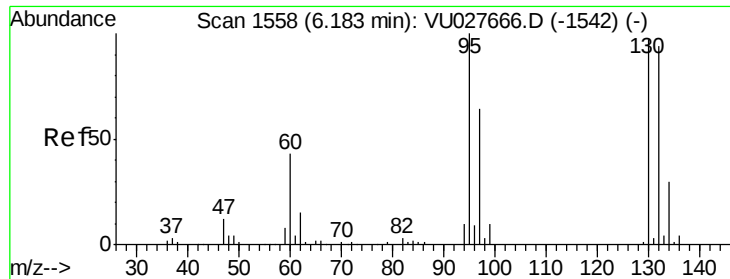
Tgt Ion: 83 Resp: 2228
Ion Ratio Lower Upper
83 100
85 61.1 46.1 85.7



#33
Benzene
Concen: 0.626 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU027680.D
Acq: 17 Oct 2018 16:04

Tgt Ion: 78 Resp: 16051





#34

Trichloroethene

Concen: 17.544 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

C0JB4

Tgt Ion: 95 Resp: 116523

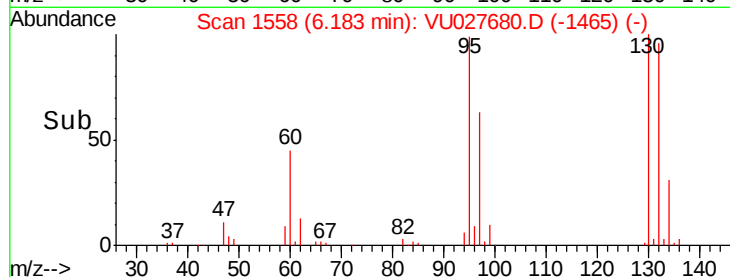
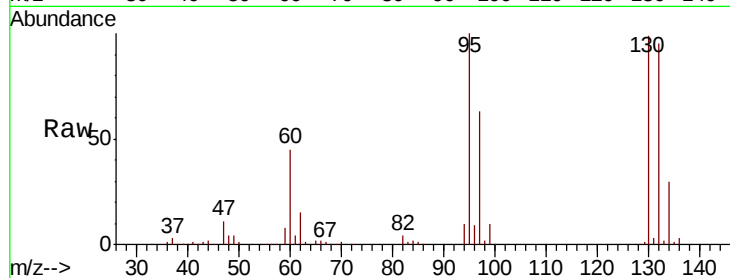
Ion Ratio Lower Upper

95 100

97 62.5 44.7 83.1

132 95.4 65.9 122.5

130 98.9 67.9 126.1

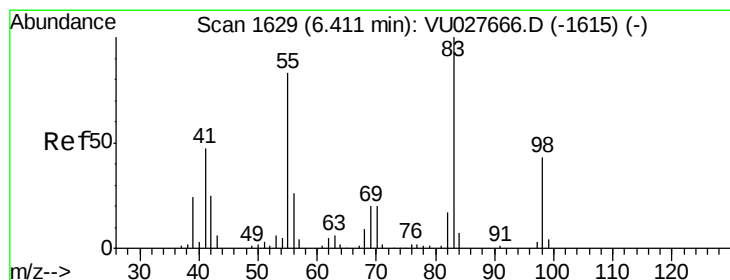
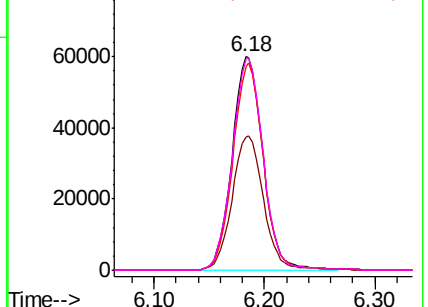


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.716 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

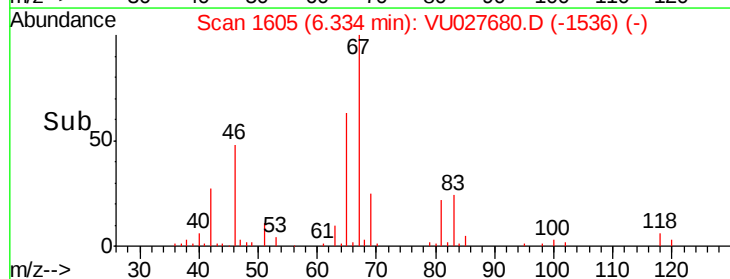
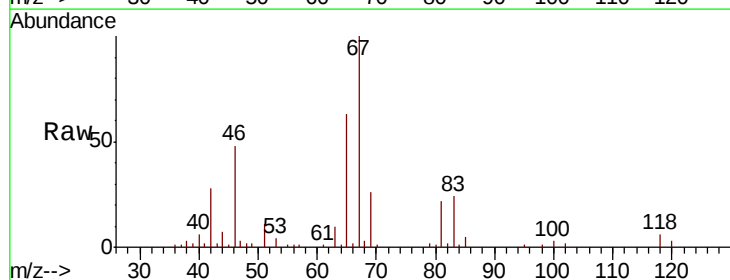
Tgt Ion: 83 Resp: 8194

Ion Ratio Lower Upper

83 100

55 1.0 69.0 103.4#

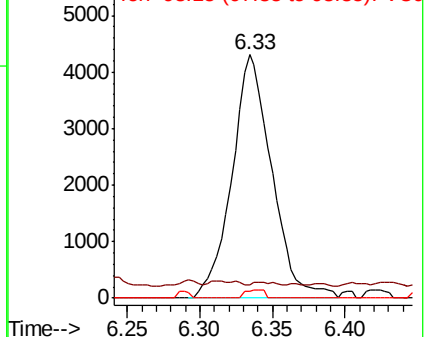
98 1.6 35.4 53.2#

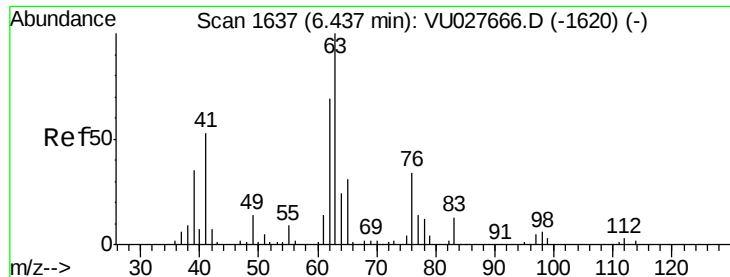


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.507 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.11 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

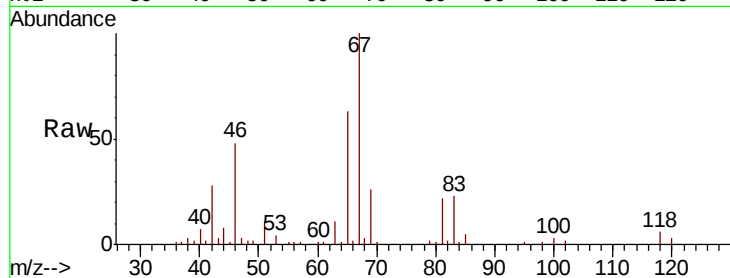
C0JB4

Tgt Ion: 63 Resp: 3737

Ion Ratio Lower Upper

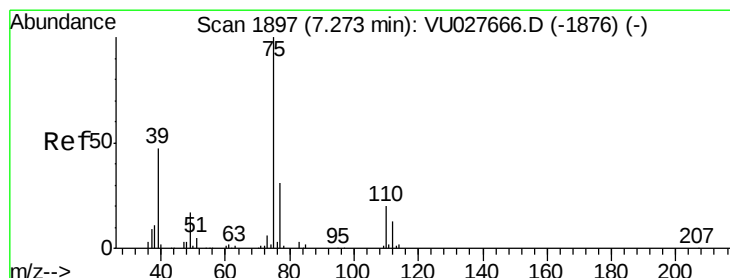
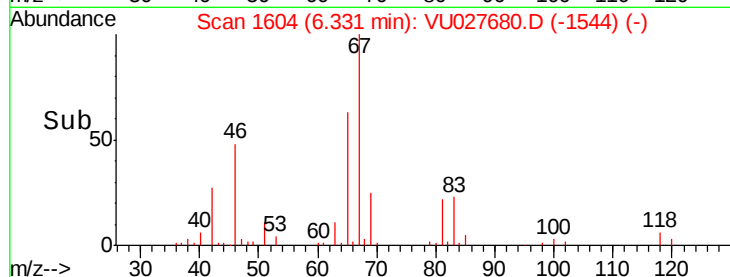
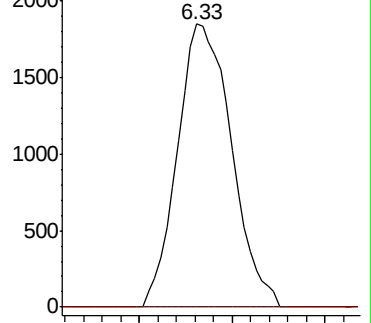
63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU027680.D

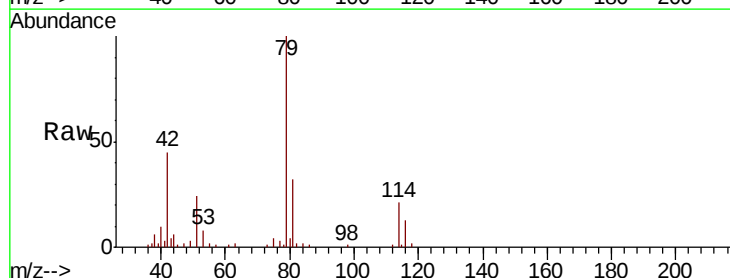
Acq: 17 Oct 2018 16:04

Tgt Ion: 75 Resp: 909

Ion Ratio Lower Upper

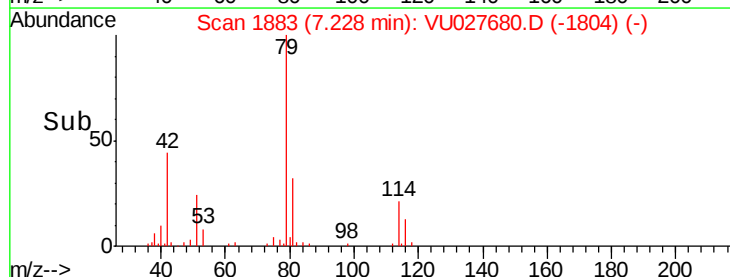
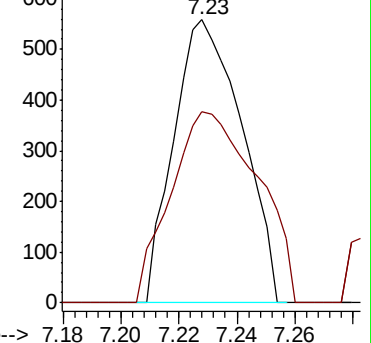
75 100

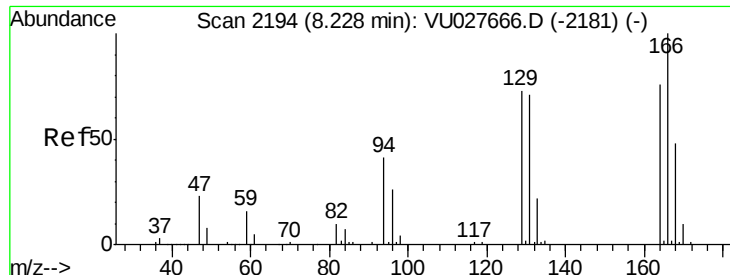
77 67.4 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

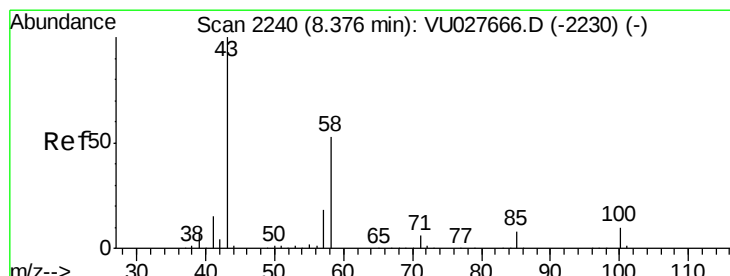
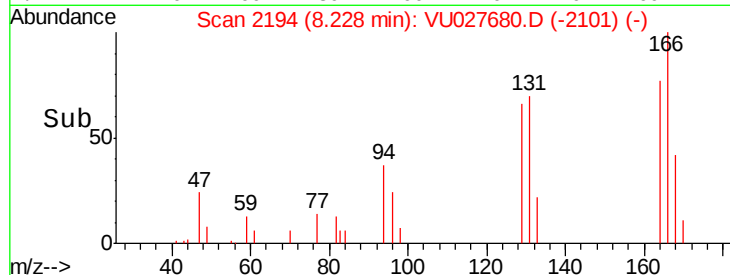
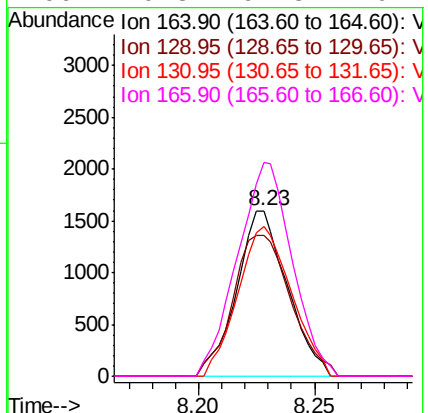
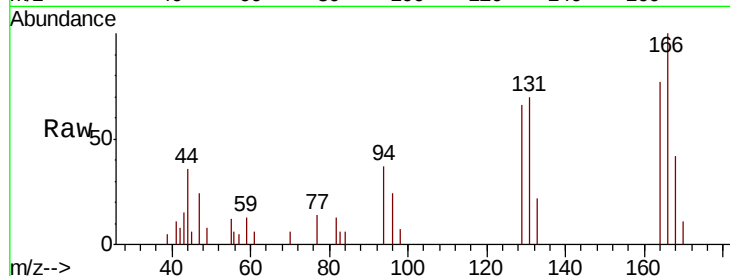




#47
Tetrachloroethene
Concen: 0.456 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027680.D
Acq: 17 Oct 2018 16:04

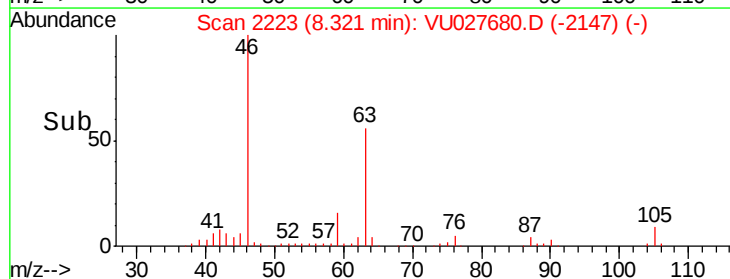
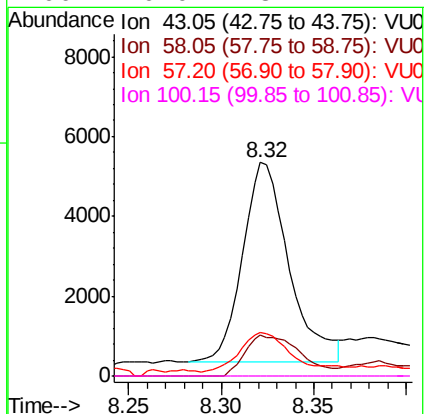
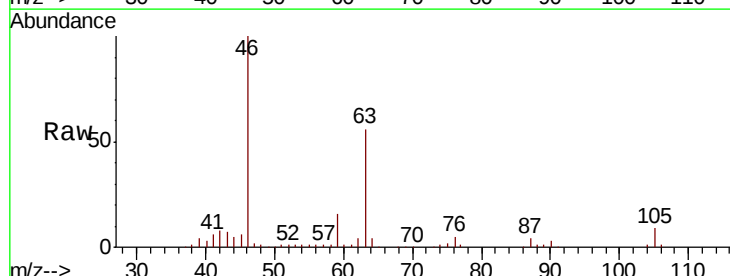
Instrument :
MSVOA_U
ClientSampleId :
C0JB4

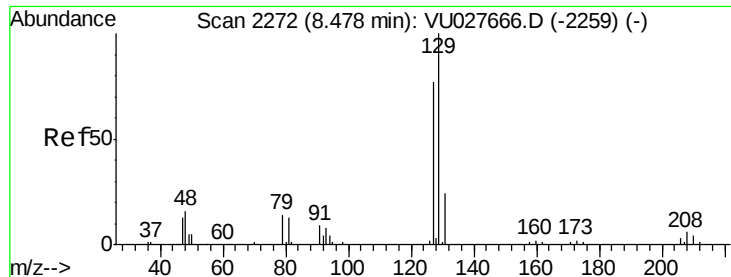
Tgt Ion:164 Resp: 2418
Ion Ratio Lower Upper
164 100
129 85.1 67.3 124.9
131 90.7 64.8 120.3
166 129.3 91.8 170.4



#48
2-Hexanone
Concen: 2.440 ug/L
RT: 8.32 min Scan# 2223
Delta R.T. -0.05 min
Lab File: VU027680.D
Acq: 17 Oct 2018 16:04

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
58 24.6 42.7 64.1#
57 21.7 14.5 21.7#
100 0.0 8.1 12.1#





#49

Dibromochloromethane

Concen: 0.400 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU027680.D

Acq: 17 Oct 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

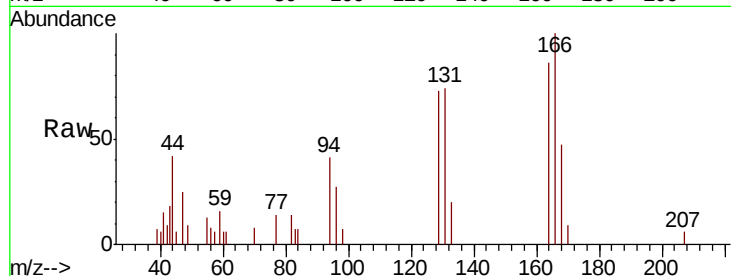
C0JB4

Tgt Ion:129 Resp: 2353

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

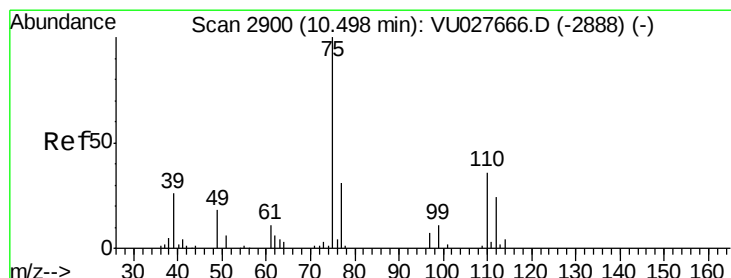
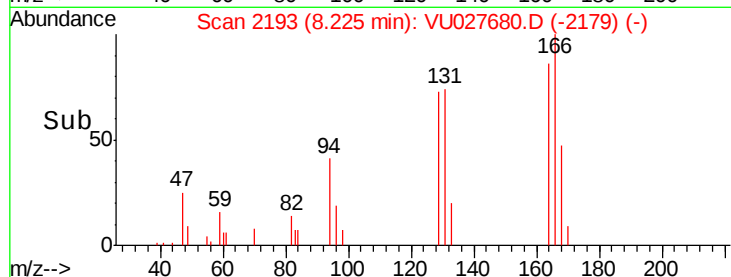
1500

1000

500

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.155 ug/L

RT: 11.49 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027680.D

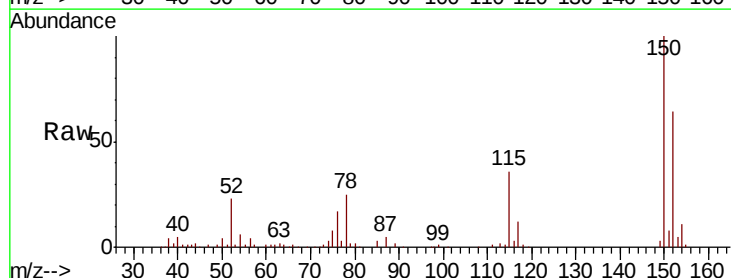
Acq: 17 Oct 2018 16:04

Tgt Ion: 75 Resp: 4890

Ion Ratio Lower Upper

75 100

77 36.5 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.49

3000

2000

1000

0

Time-->

