

Data File : VU028777.D
Acq On : 18 Dec 2018 18:11
Operator : MD/SY
Sample : J6422-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COLD8

Quant Time: Dec 19 00:43:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 00:38:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	178638	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	163115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75791	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.67	69	58871	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.16%
11) 1,1-Dichloroethene-d2	2.27	63	97955	33.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.60%
21) 2-Butanone-d5	4.17	46	117136	87.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.43%
24) Chloroform-d	4.65	84	117095	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.70%
26) 1,2-Dichloroethane-d4	5.31	65	74364	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
32) Benzene-d6	5.34	84	261852	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.68%
36) 1,2-Dichloropropane-d6	6.33	67	91114	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.57	98	233198	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%
43) trans-1,3-Dichloropropene-	7.85	79	38792	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.31	63	91592	103.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118501	49.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	78891	57.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.68%

Target Compounds

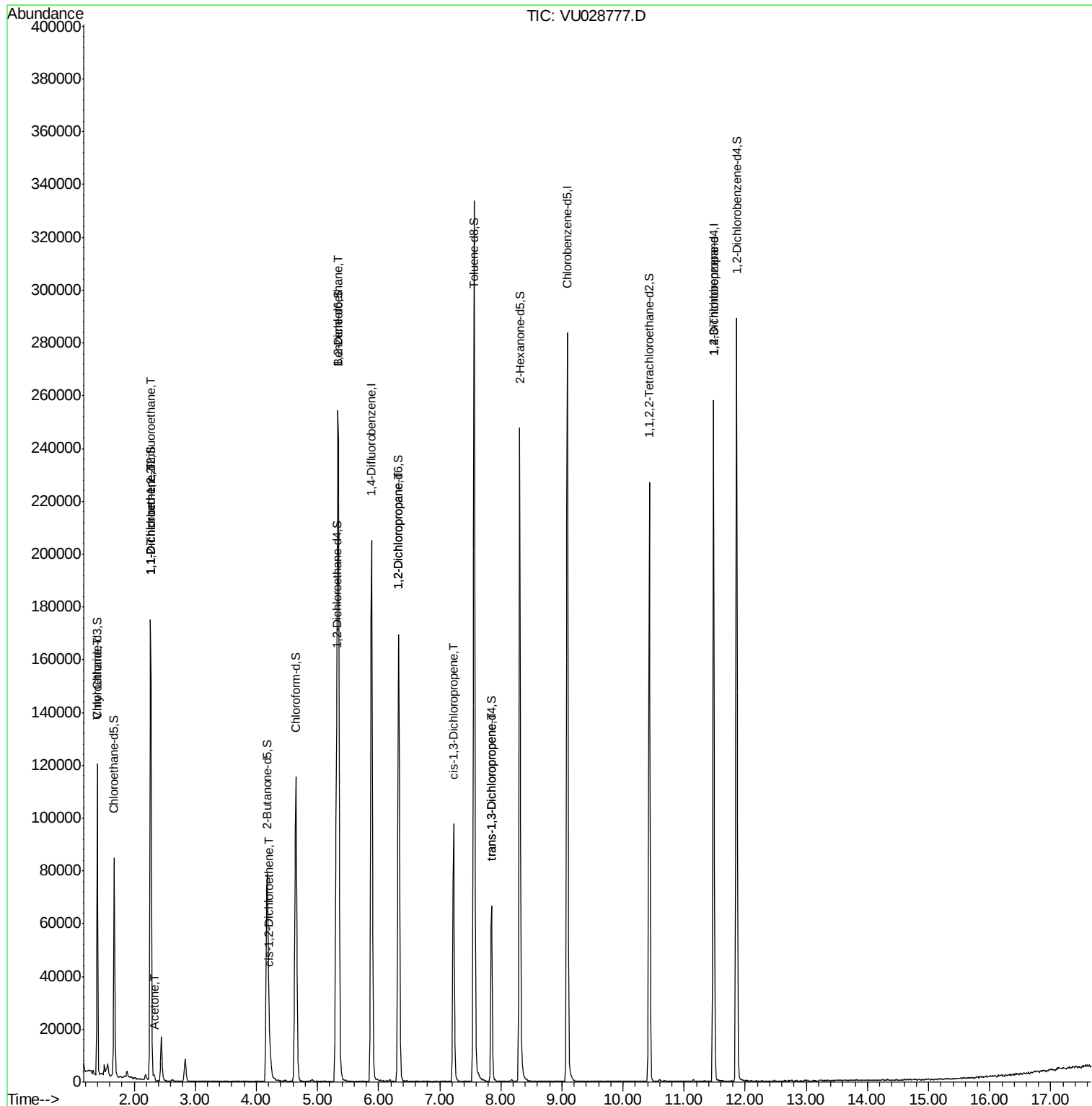
					Qvalue
8) Chloroethane	1.40	64	995	0.877 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	892	0.718 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	3604	3.063 ug/L #	1
13) Acetone	2.32	43	1461	0.975 ug/L	85
20) cis-1,2-Dichloroethene	4.22	96	1158	0.748 ug/L	89
27) 1,2-Dichloroethane	5.34	62	1229	0.558 ug/L #	76
37) 1,2-Dichloropropane	6.33	63	8552	4.917 ug/L #	91
39) cis-1,3-Dichloropropene	7.23	75	1895	0.768 ug/L #	49
44) trans-1,3-Dichloropropene	7.85	75	1298	0.570 ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	8230	4.188 ug/L	93

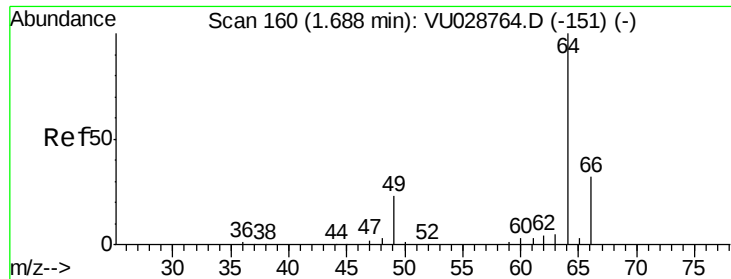
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.877 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028777.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_U

ClientSampleId :

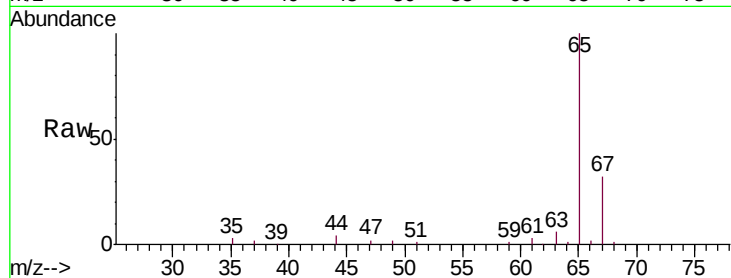
COLD8

Tgt Ion: 64 Resp: 995

Ion Ratio Lower Upper

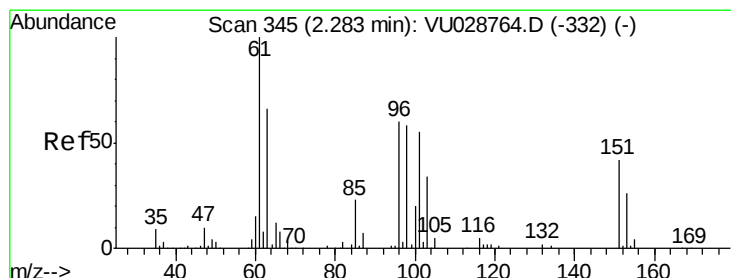
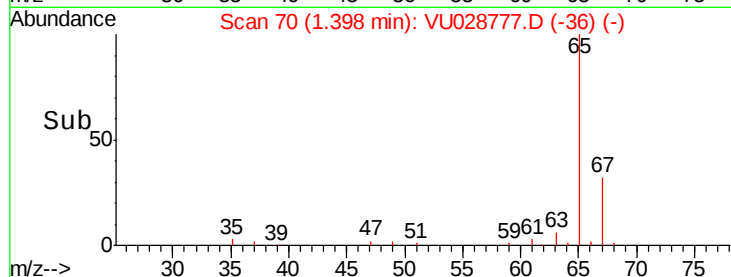
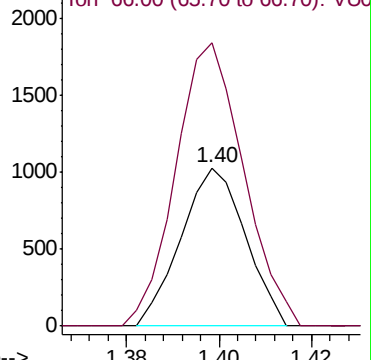
64 100

66 178.9 22.4 41.6#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.718 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028777.D

Acq: 18 Dec 2018 18:11

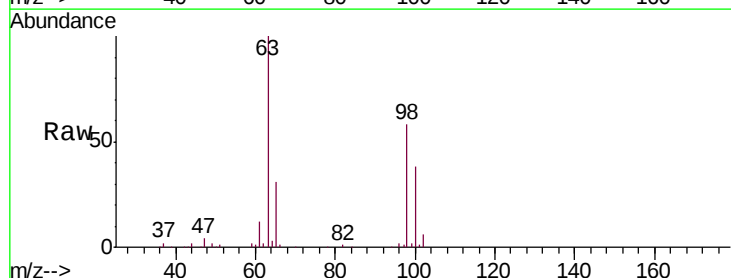
Tgt Ion: 101 Resp: 892

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

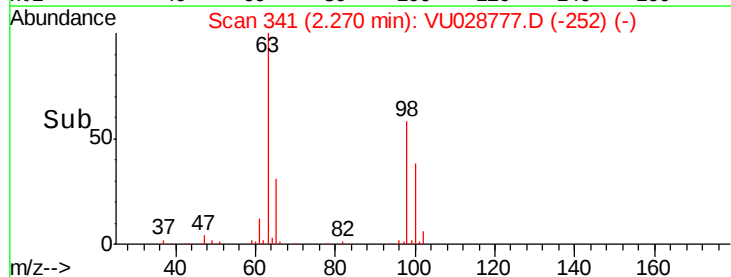
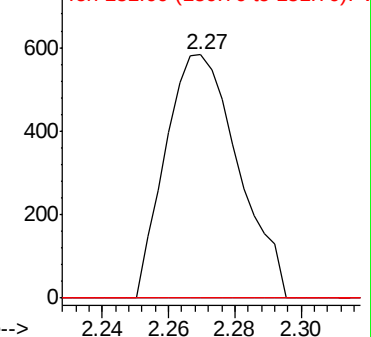
151 0.0 55.8 83.8#

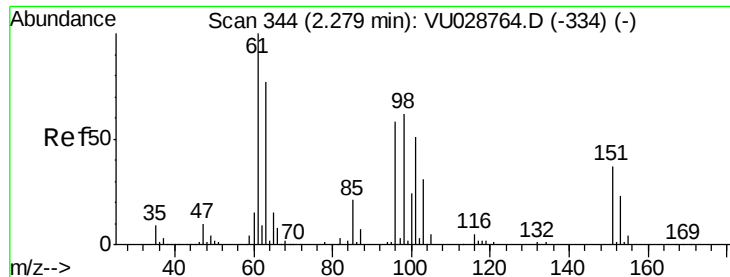


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

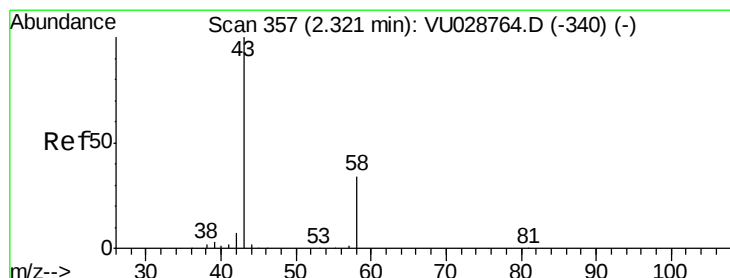
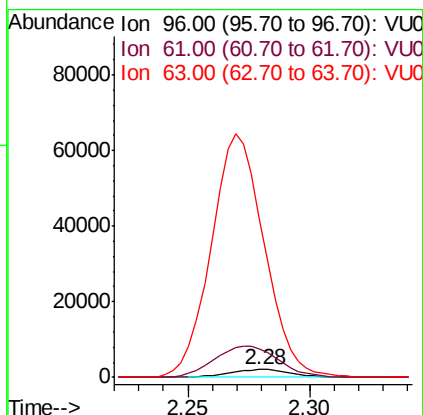
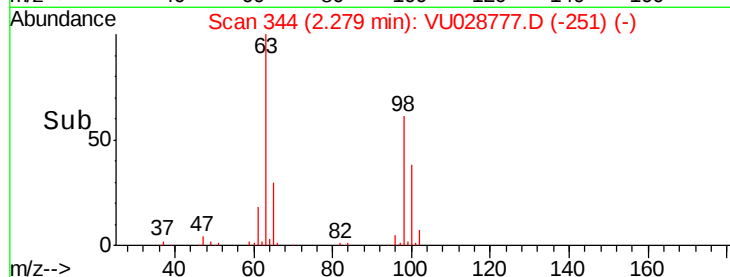
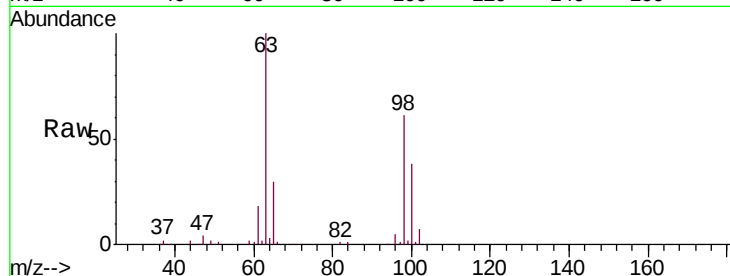




#12
 1,1-Dichloroethene
 Concen: 3.063 ug/L
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU028777.D
 Acq: 18 Dec 2018 18:11

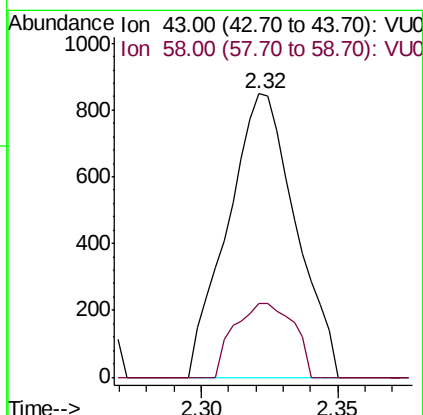
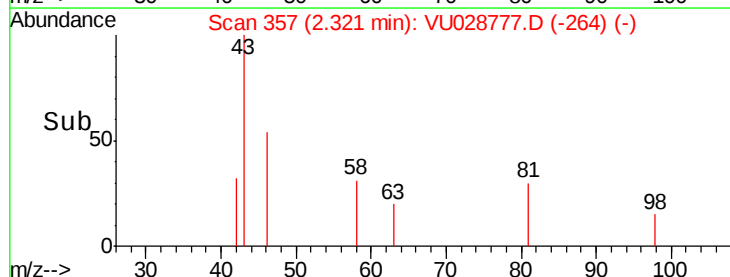
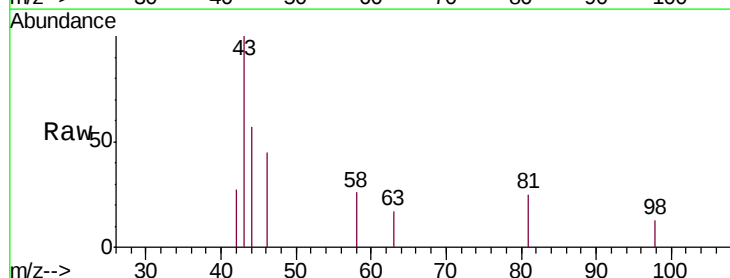
Instrument :
 MSVOA_U
 ClientSampleId :
 COLD8

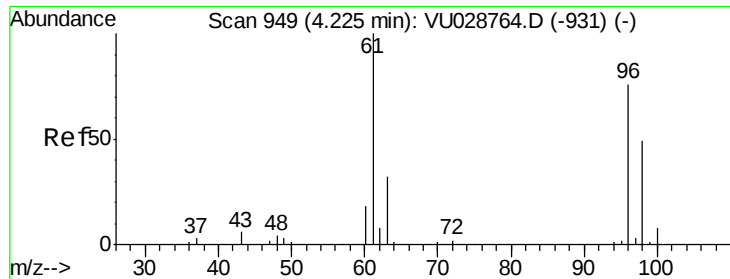
Tgt Ion: 96 Resp: 3604
 Ion Ratio Lower Upper
 96 100
 61 376.0 143.2 266.0#
 63 2123.9 130.1 241.7#



#13
 Acetone
 Concen: 0.975 ug/L
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028777.D
 Acq: 18 Dec 2018 18:11

Tgt Ion: 43 Resp: 1461
 Ion Ratio Lower Upper
 43 100
 58 22.9 0.0 62.0

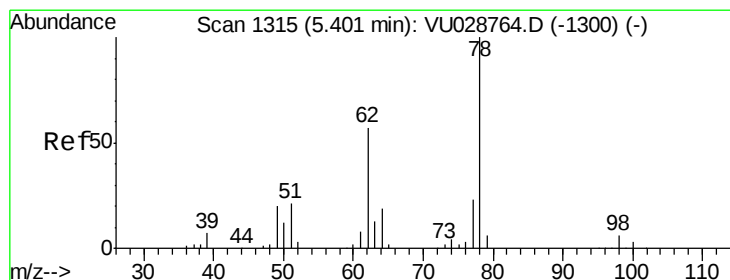
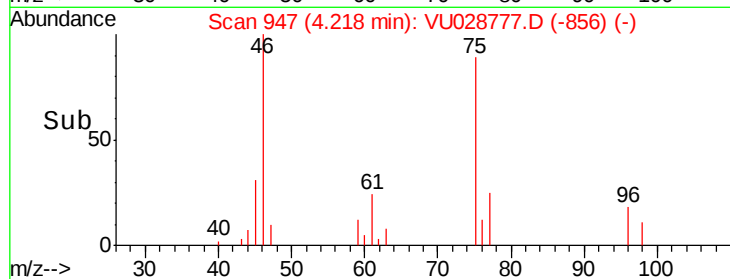
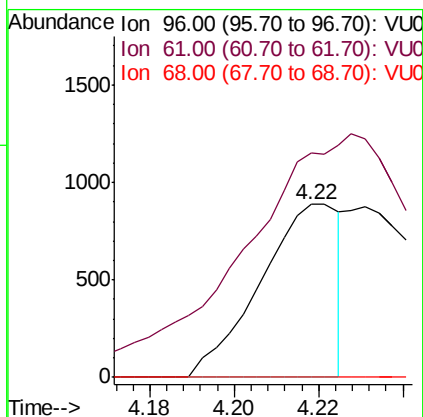
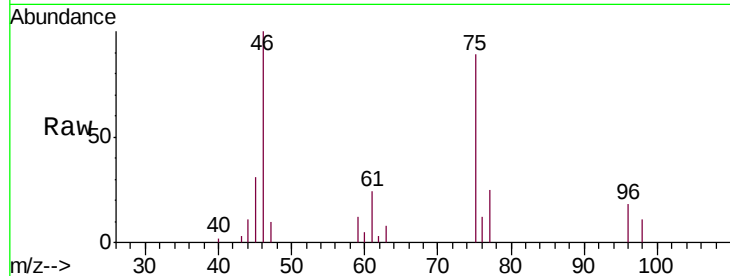




#20
 cis-1,2-Dichloroethene
 Concen: 0.748 ug/L
 RT: 4.22 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: VU028777.D
 Acq: 18 Dec 2018 18:11

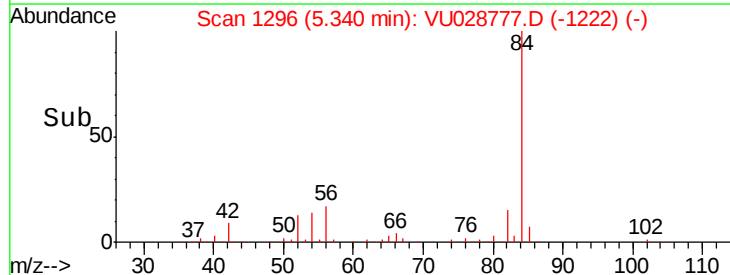
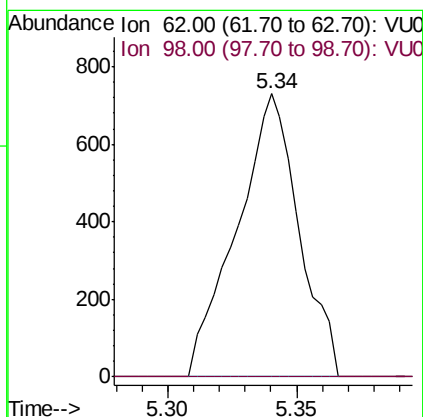
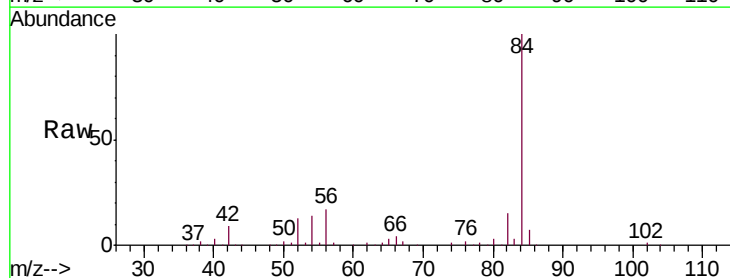
Instrument :
 MSVOA_U
 ClientSampled :
 COLD8

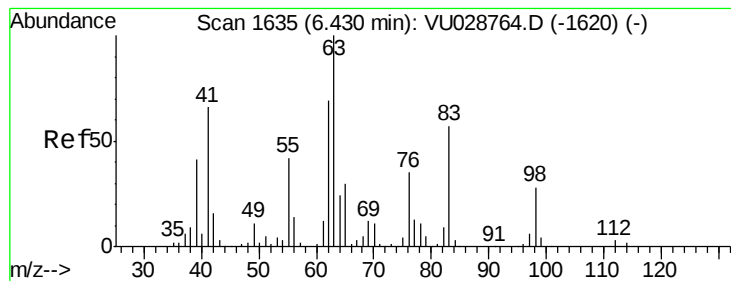
Tgt Ion: 96 Resp: 1158
 Ion Ratio Lower Upper
 96 100
 61 129.6 100.1 185.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.558 ug/L
 RT: 5.34 min Scan# 1296
 Delta R.T. -0.06 min
 Lab File: VU028777.D
 Acq: 18 Dec 2018 18:11

Tgt Ion: 62 Resp: 1229
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#





#37

1,2-Dichloropropane

Concen: 4.917 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028777.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_U

ClientSampleId :

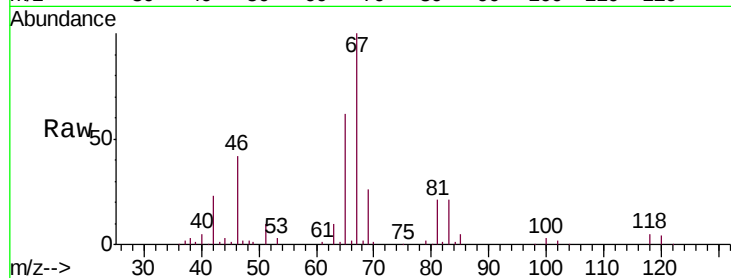
COLD8

Tgt Ion: 63 Resp: 8552

Ion Ratio Lower Upper

63 100

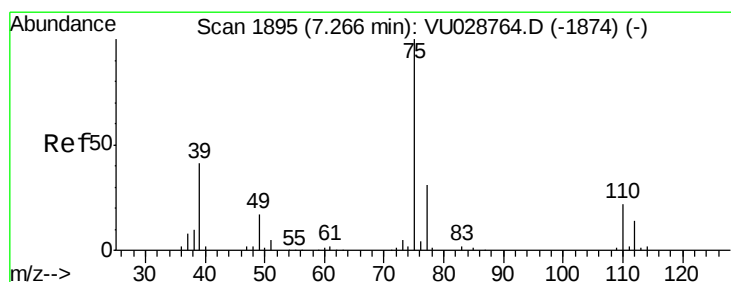
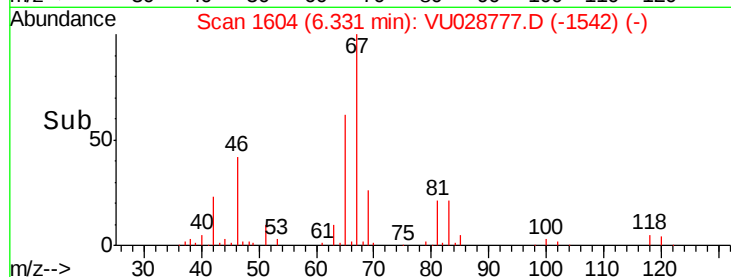
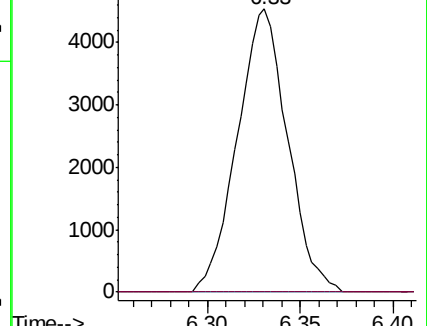
112 0.0 2.4 3.6#



Abundance Ion 63.00 (62.70 to 63.70): VU028764.D (-1620) (-)

Ion 112.00 (111.70 to 112.70): VU028764.D (-1620) (-)

6.33



#39

cis-1,3-Dichloropropene

Concen: 0.768 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028777.D

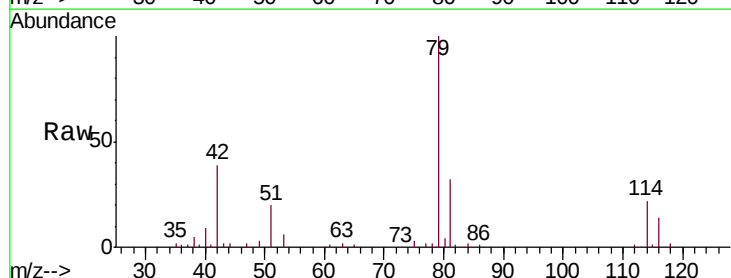
Acq: 18 Dec 2018 18:11

Tgt Ion: 75 Resp: 1895

Ion Ratio Lower Upper

75 100

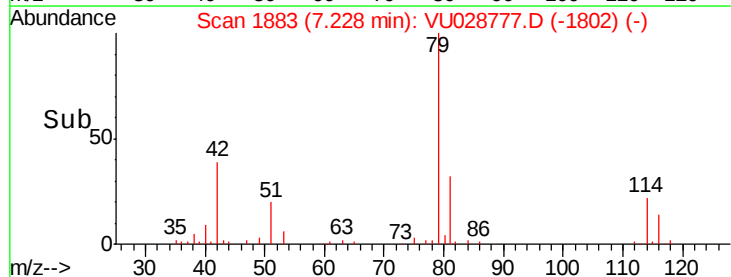
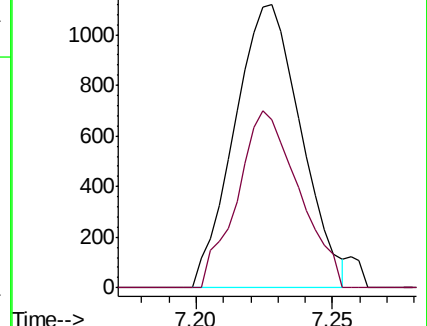
77 59.4 21.8 40.6#

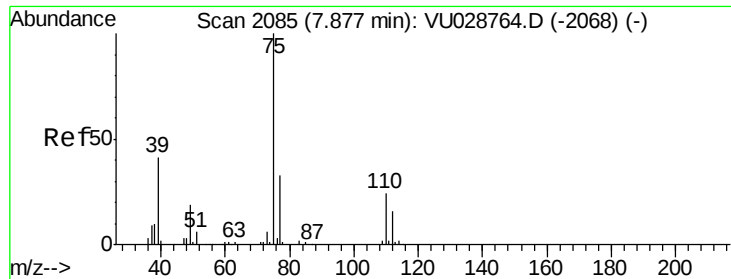


Abundance Ion 75.00 (74.70 to 75.70): VU028764.D (-1874) (-)

Ion 77.00 (76.70 to 77.70): VU028764.D (-1874) (-)

7.23





#44

trans-1,3-Dichloropropene

Concen: 0.570 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028777.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_U

ClientSampleId :

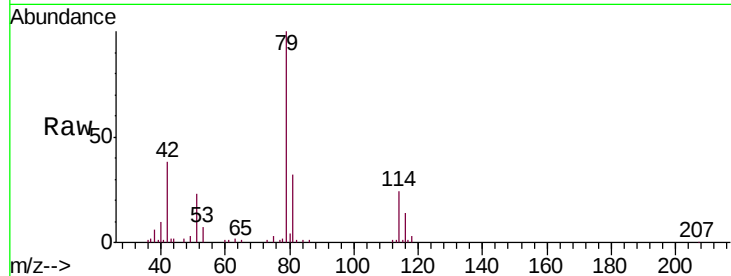
COLD8

Tgt Ion: 75 Resp: 1298

Ion Ratio Lower Upper

75 100

77 37.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

800

600

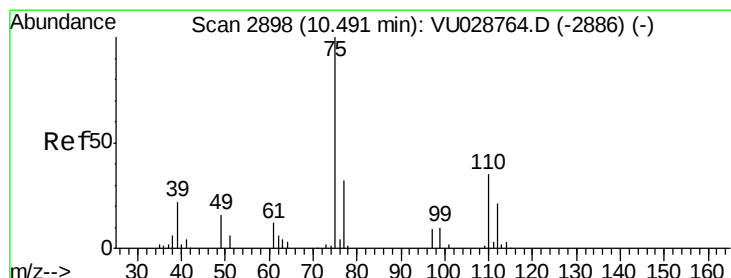
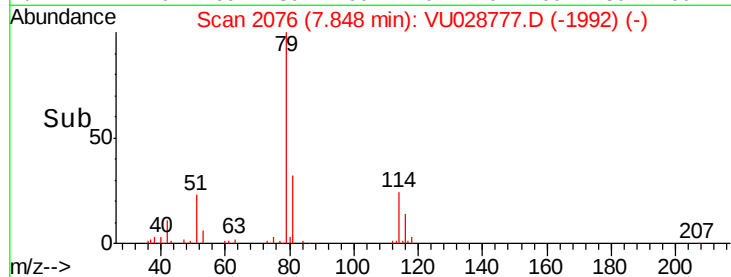
400

200

0

7.82 7.84 7.86 7.88

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.188 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028777.D

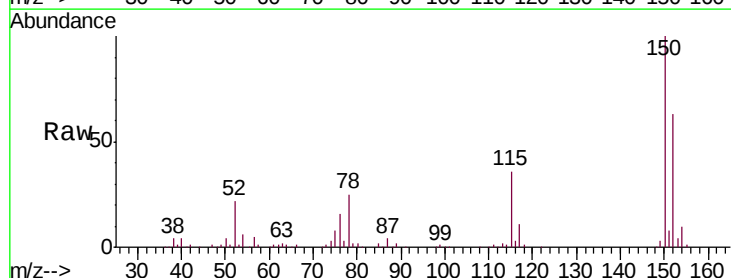
Acq: 18 Dec 2018 18:11

Tgt Ion: 75 Resp: 8230

Ion Ratio Lower Upper

75 100

77 35.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

5000

4000

3000

2000

1000

0

11.45 11.50

Time-->

