

Data File : VU028604.D
Acq On : 11 Dec 2018 13:36
Operator : MD/SY
Sample : J6263-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0TP0

Quant Time: Dec 12 05:46:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 12 05:44:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	150317	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	138033	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	59067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60175	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.74%
7) Chloroethane-d5	1.67	69	48601	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.38%
11) 1,1-Dichloroethene-d2	2.27	63	83019	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.08%
21) 2-Butanone-d5	4.17	46	113616	100.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.78%
24) Chloroform-d	4.65	84	103767	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	71553	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
32) Benzene-d6	5.34	84	218042	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
36) 1,2-Dichloropropane-d6	6.33	67	79766	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.92%
41) Toluene-d8	7.57	98	189906	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	7.85	79	34885	49.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.42%
47) 2-Hexanone-d5	8.31	63	80564	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103068	51.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	63059	52.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.24%

Target Compounds

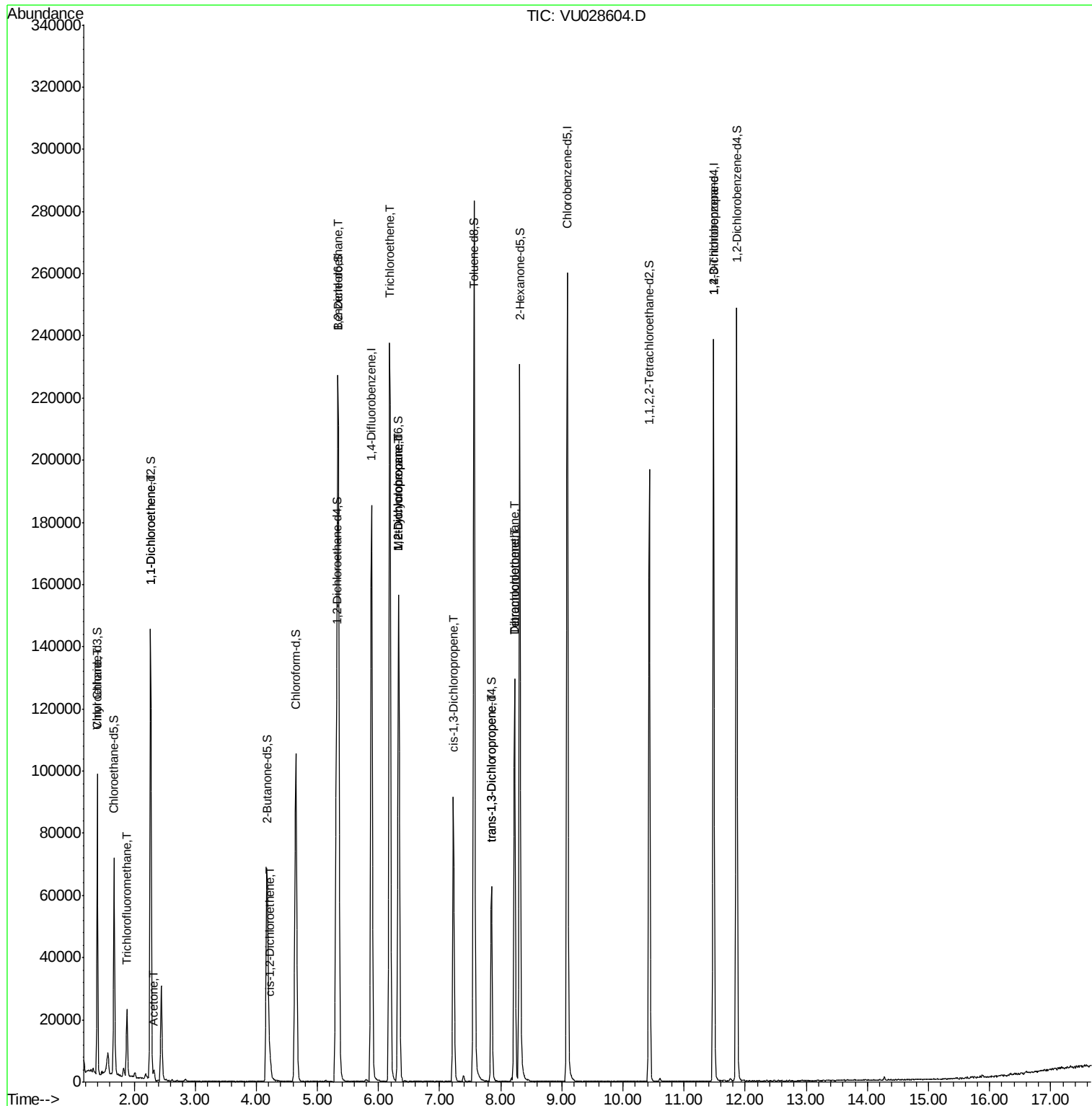
					Qvalue
8) Chloroethane	1.40	64	850	0.890 ug/L #	1
9) Trichlorofluoromethane	1.88	101	12612	7.249 ug/L	96
12) 1,1-Dichloroethene	2.27	96	646	0.652 ug/L #	1
13) Acetone	2.32	43	2445	1.940 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	1948	1.496 ug/L	89
27) 1,2-Dichloroethane	5.34	62	1139	0.615 ug/L #	76
34) Trichloroethene	6.18	95	84556	70.704 ug/L	94
35) Methylcyclohexane	6.33	83	16566	8.216 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8079	5.489 ug/L #	91
39) cis-1,3-Dichloropropene	7.22	75	1903	0.911 ug/L #	60
44) trans-1,3-Dichloropropene	7.85	75	1379	0.716 ug/L	85
46) Tetrachloroethene	8.22	164	28566	33.758 ug/L	97
49) Dibromochloromethane	8.22	129	27542	23.606 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8322	5.004 ug/L	96

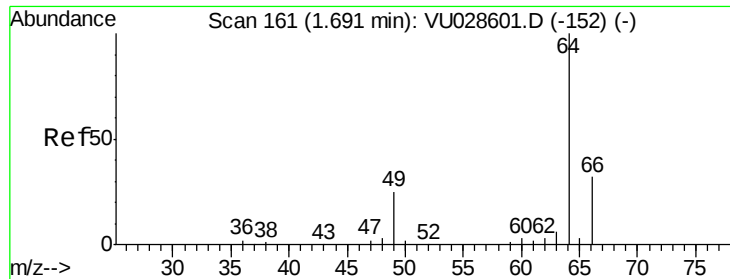
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.890 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028604.D

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Instrument :

MSVOA_U

ClientSampleId :

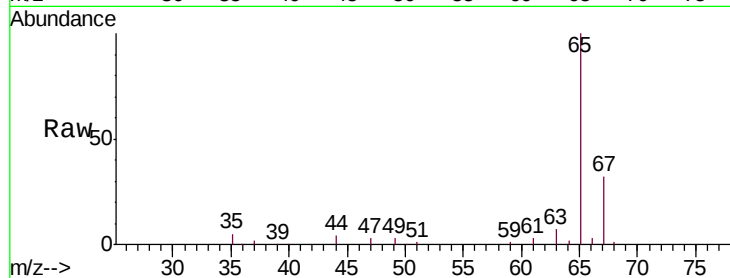
C0TP0

Tgt Ion: 64 Resp: 850

Ion Ratio Lower Upper

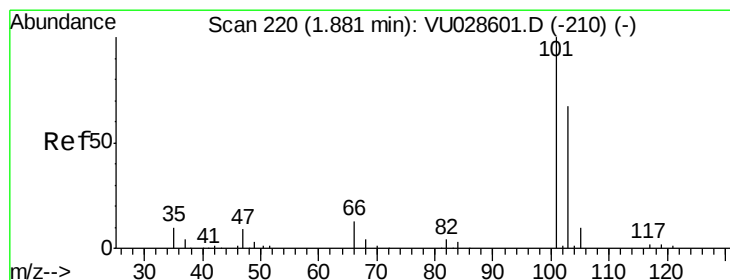
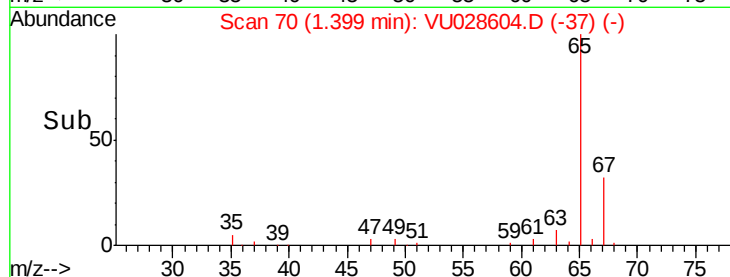
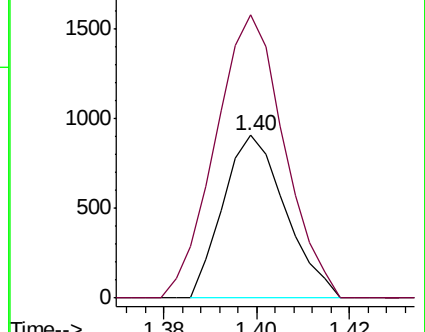
64 100

66 174.1 22.4 41.6#



Abundance Ion 64.00 (63.70 to 64.70): VU028601.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU028601.D (-152) (-)



#9

Trichlorofluoromethane

Concen: 7.249 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU028604.D

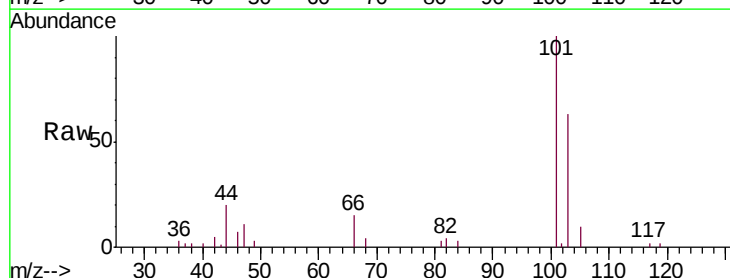
Acq: 11 Dec 2018 13:36

Tgt Ion: 101 Resp: 12612

Ion Ratio Lower Upper

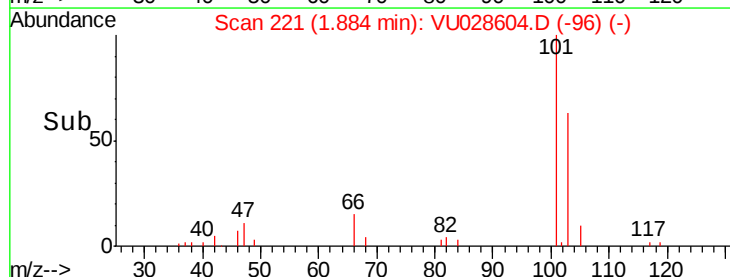
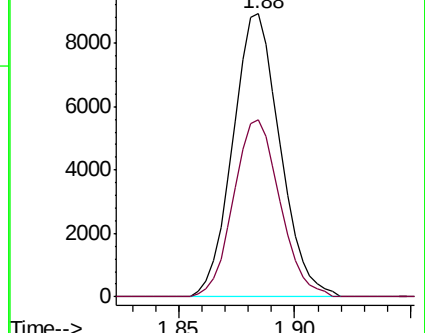
101 100

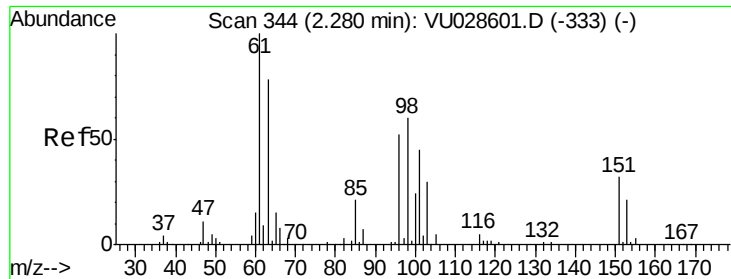
103 61.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU028601.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU028601.D (-210) (-)





#12

1,1-Dichloroethene

Concen: 0.652 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

C0TP0

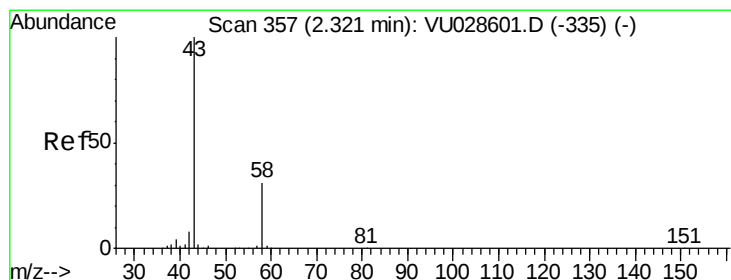
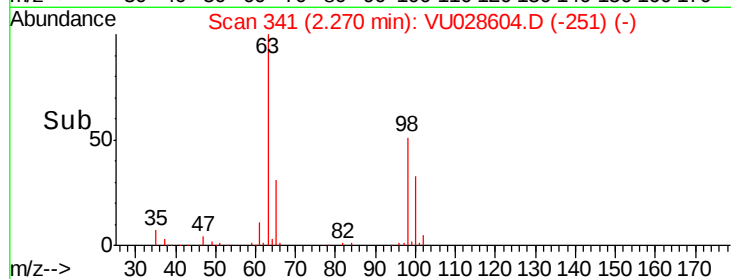
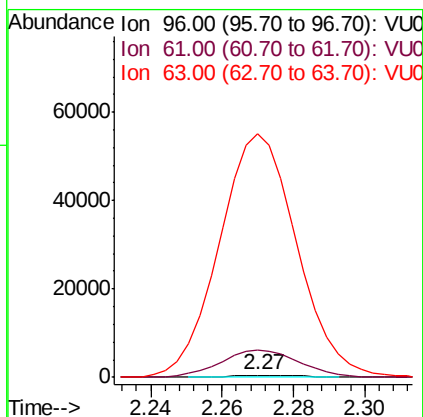
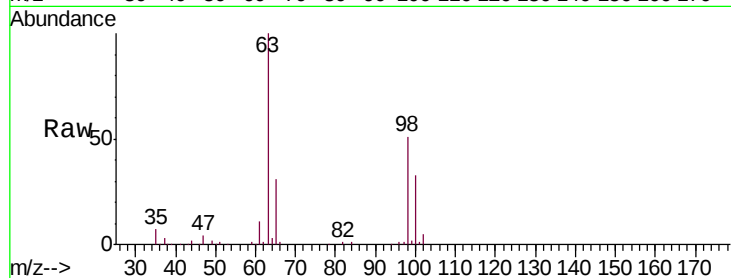
Tgt Ion: 96 Resp: 646

Ion Ratio Lower Upper

96 100

61 1417.3 143.2 266.0#

63 12693.1 130.1 241.7#



#13

Acetone

Concen: 1.940 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028604.D

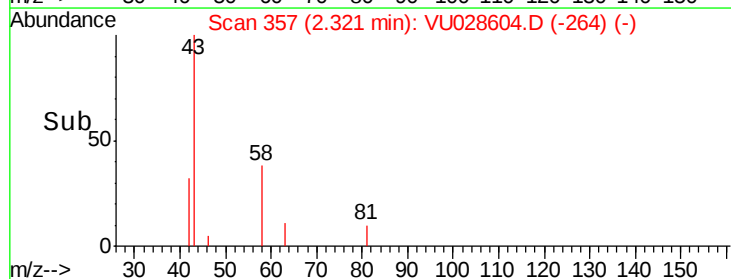
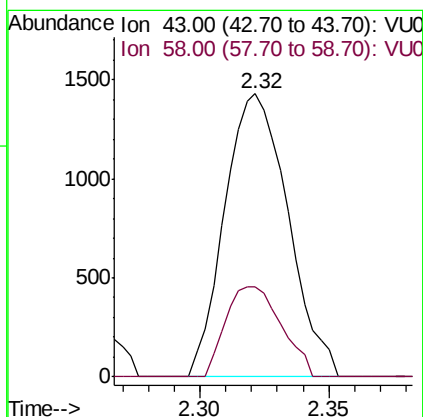
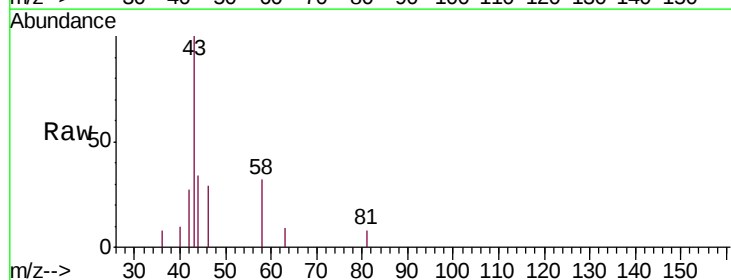
Acq: 11 Dec 2018 13:36

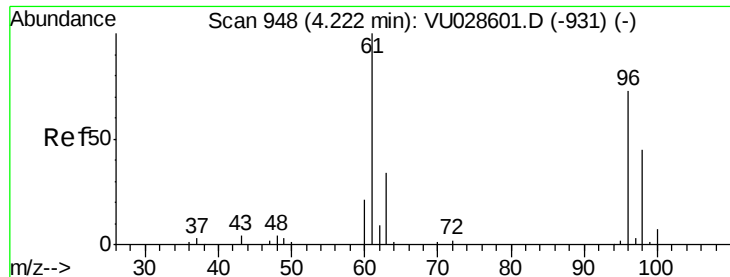
Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

58 28.1 0.0 62.0

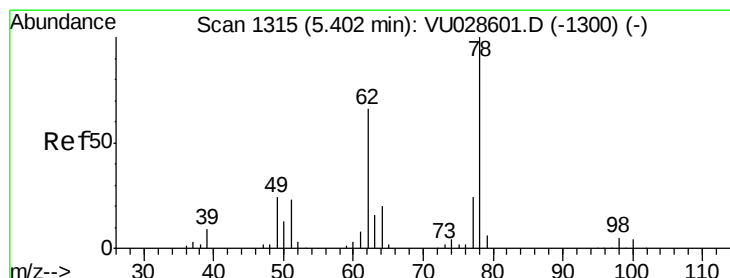
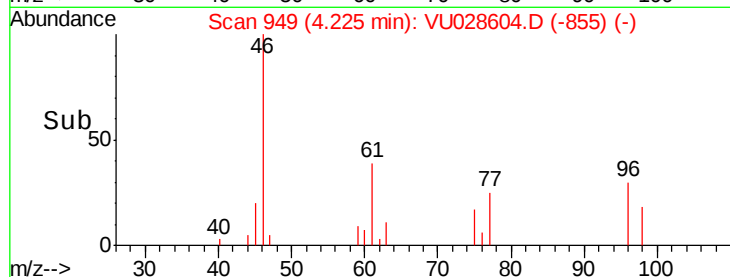
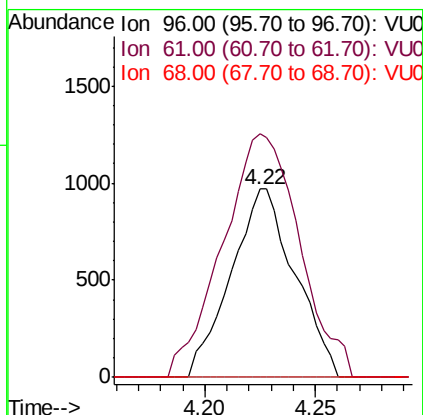
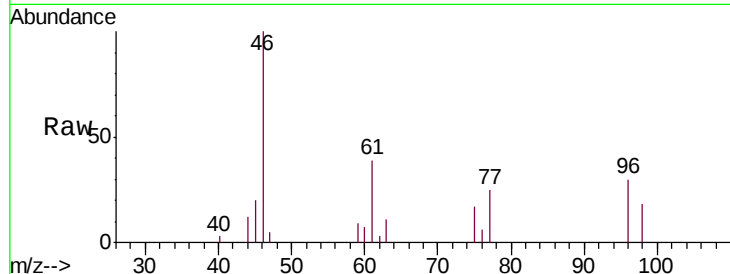




#20
 cis-1,2-Dichloroethene
 Concen: 1.496 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028604.D
 Acq: 11 Dec 2018 13:36

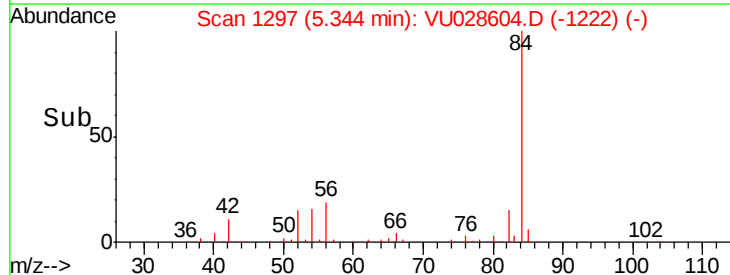
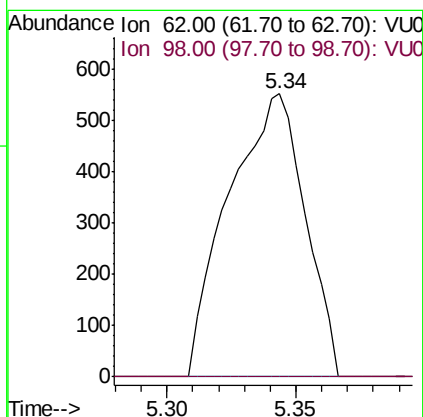
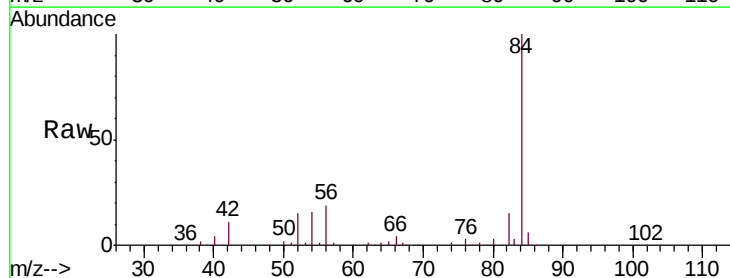
Instrument :
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 C0TP0

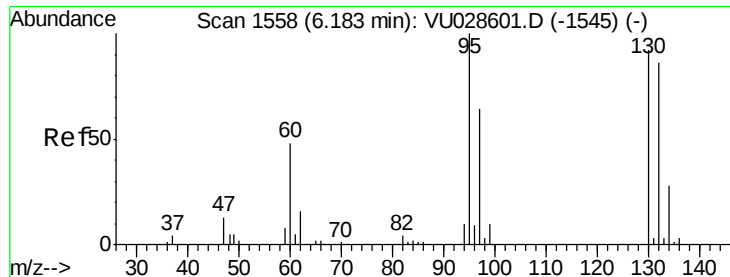
Tgt Ion: 96 Resp: 1948
 Ion Ratio Lower Upper
 96 100
 61 129.4 100.1 185.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.615 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: VU028604.D
 Acq: 11 Dec 2018 13:36

Tgt Ion: 62 Resp: 1139
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 70.704 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

C0TP0

Tgt Ion: 95 Resp: 84556

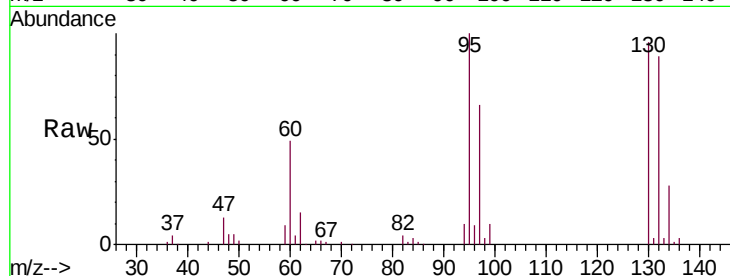
Ion Ratio Lower Upper

95 100

97 65.9 43.5 80.9

132 89.2 59.6 110.6

130 95.5 61.8 114.8

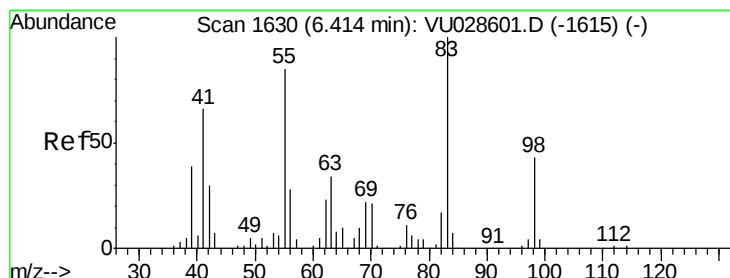
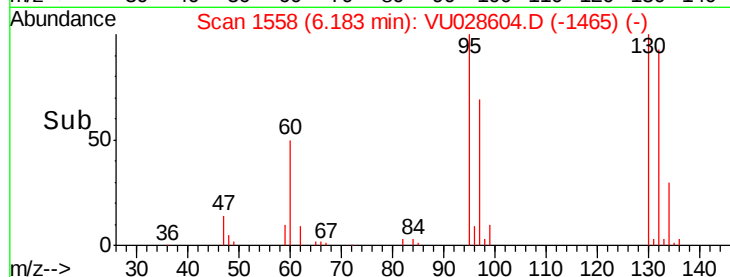
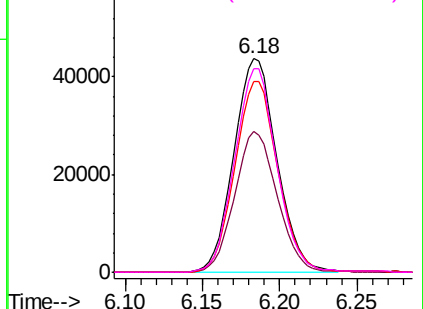


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.216 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

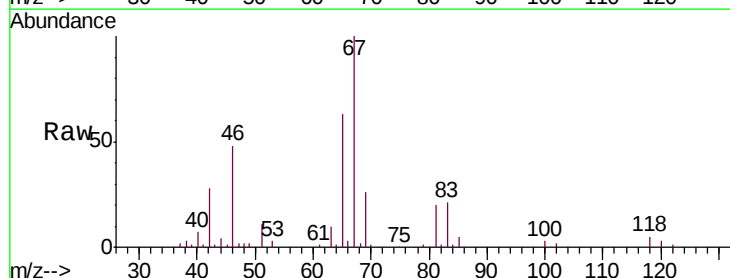
Tgt Ion: 83 Resp: 16566

Ion Ratio Lower Upper

83 100

55 0.0 70.1 105.1#

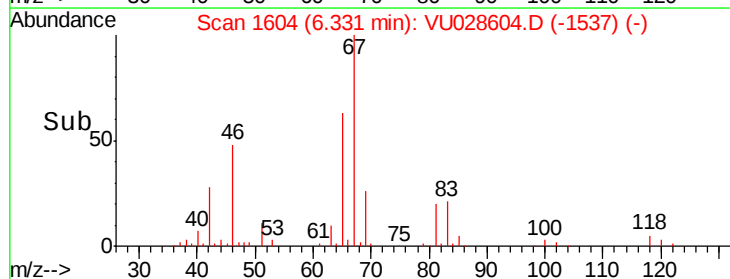
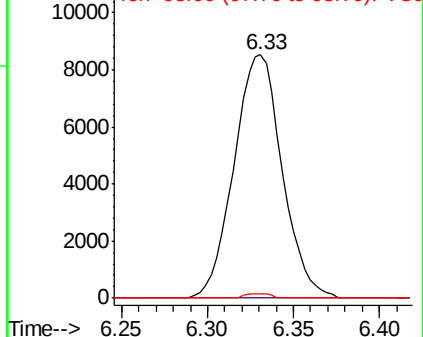
98 0.9 34.4 51.6#

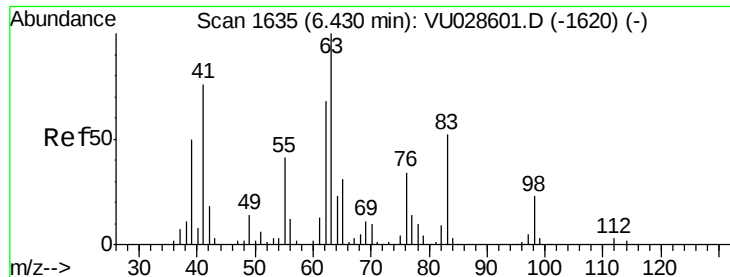


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

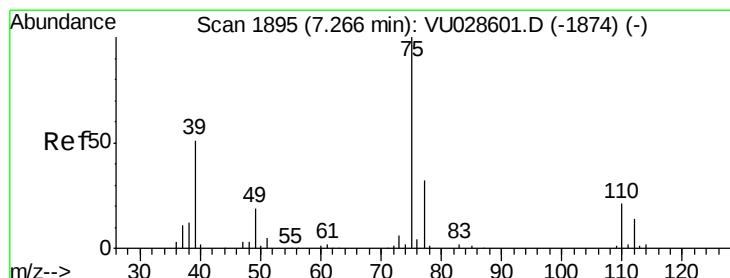
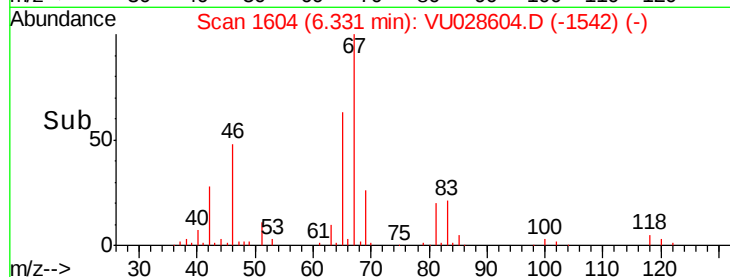
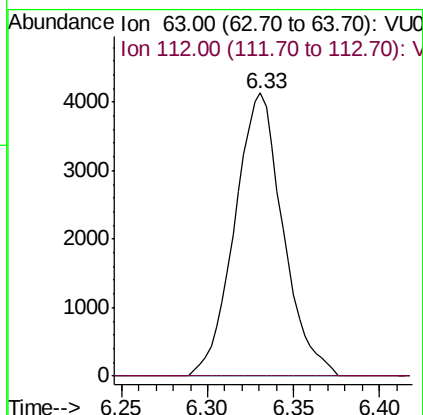
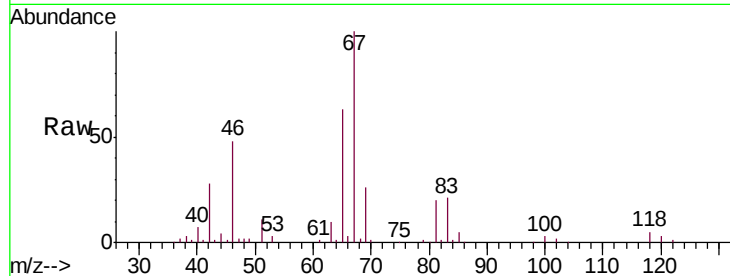




#37
 1,2-Dichloropropane
 Concen: 5.489 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028604.D
 Acq: 11 Dec 2018 13:36

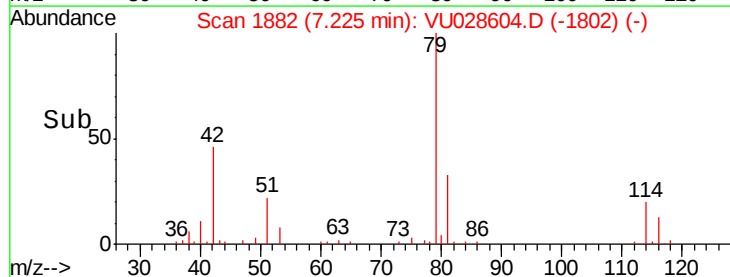
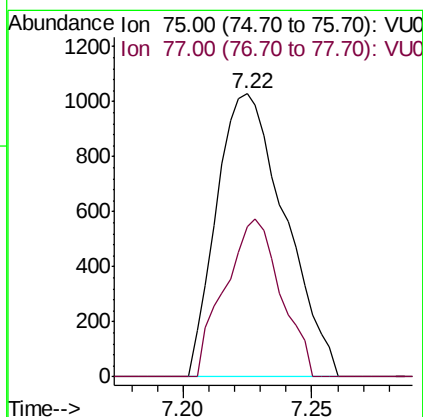
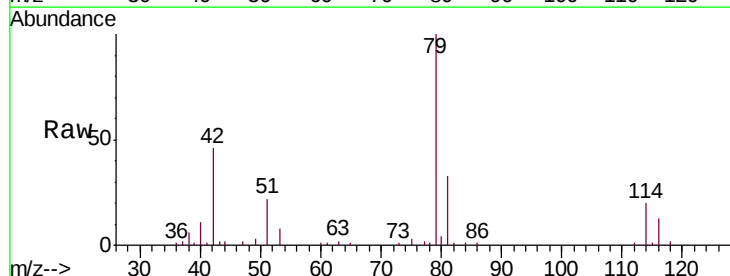
Instrument :
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 C0TP0

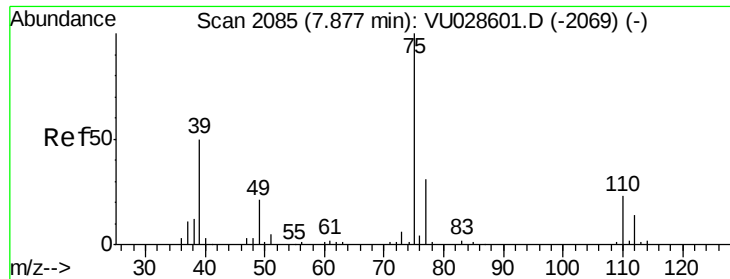
Tgt Ion: 63 Resp: 8079
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.4 3.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.911 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028604.D
 Acq: 11 Dec 2018 13:36

Tgt Ion: 75 Resp: 1903
 Ion Ratio Lower Upper
 75 100
 77 53.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.716 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

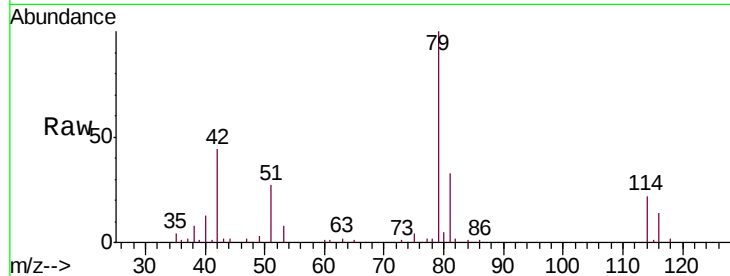
C0TP0

Tgt Ion: 75 Resp: 1379

Ion Ratio Lower Upper

75 100

77 39.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028601.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU028601.D (-2069) (-)

7.85

800

600

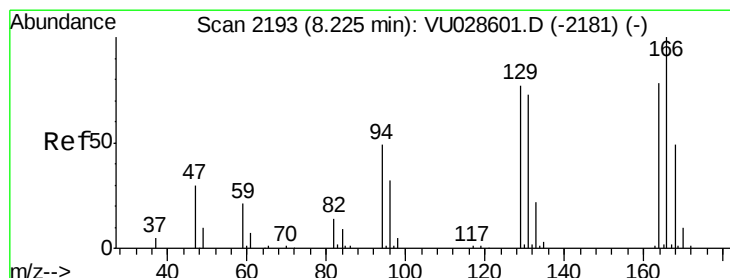
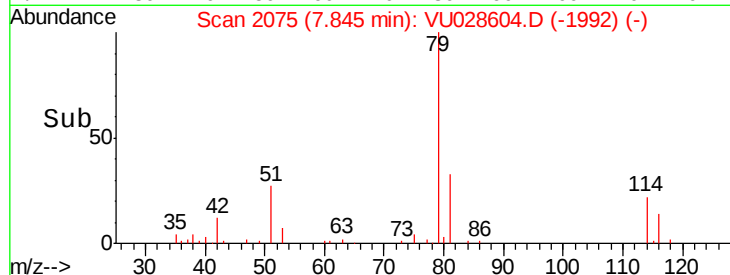
400

200

0

7.82 7.84 7.86 7.88

Time-->



#46

Tetrachloroethene

Concen: 33.758 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Tgt Ion: 164 Resp: 28566

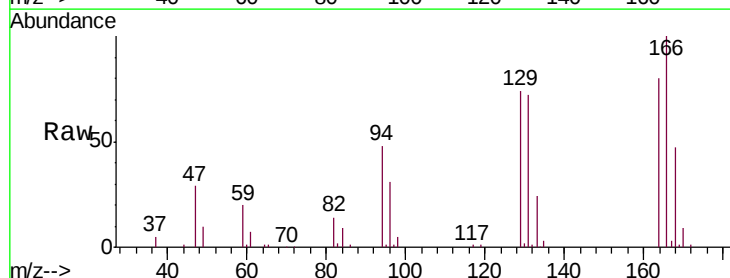
Ion Ratio Lower Upper

164 100

129 93.1 68.2 126.6

131 90.9 66.1 122.7

166 125.7 88.3 163.9



Abundance Ion 164.00 (163.70 to 164.70): VU028601.D (-2181) (-)

Ion 129.00 (128.70 to 129.70): VU028601.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU028601.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU028601.D (-2181) (-)

8.22

30000

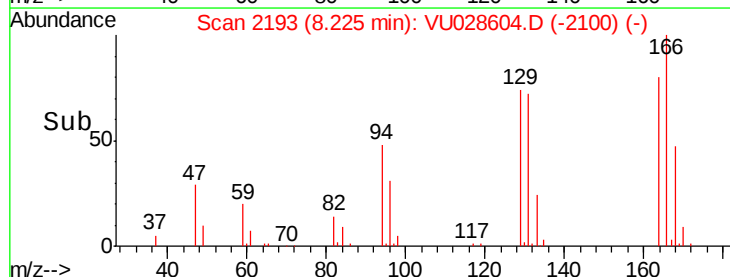
20000

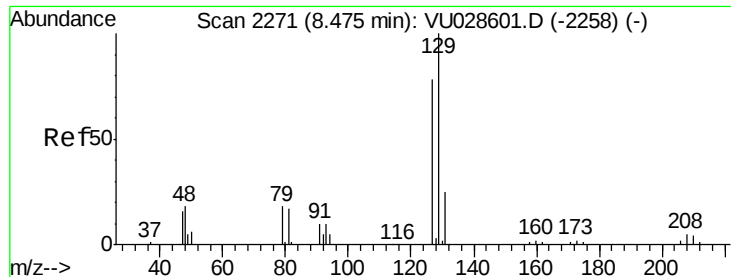
10000

0

8.15 8.20 8.25 8.30

Time-->





#49

Dibromochloromethane

Concen: 23.606 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

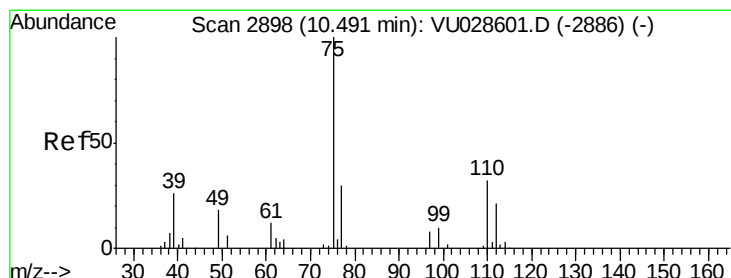
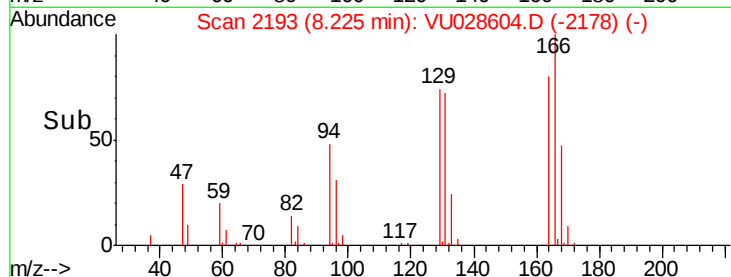
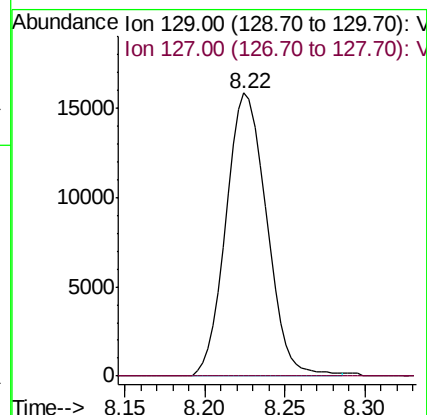
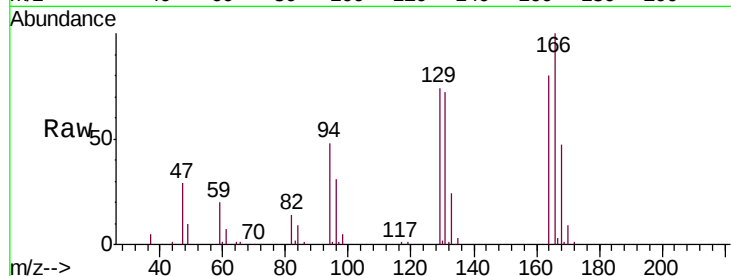
C0TP0

Tgt Ion:129 Resp: 27542

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.2#



#59

1,2,3-Trichloropropane

Concen: 5.004 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028604.D

Acq: 11 Dec 2018 13:36

Tgt Ion: 75 Resp: 8322

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2

