

Data File : VU031412.D
Acq On : 23 Apr 2019 00:02
Operator : JC/SP
Sample : K2477-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X63

Quant Time: Apr 23 04:07:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	656575	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	572545	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	260173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	271871	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.20%
7) Chloroethane-d5	1.68	69	225847	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.50%
11) 1,1-Dichloroethene-d2	2.27	63	390814	42.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.46%
21) 2-Butanone-d5	4.19	46	461987	116.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.15%
24) Chloroform-d	4.64	84	445635	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.12%
26) 1,2-Dichloroethane-d4	5.31	65	271006	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
32) Benzene-d6	5.34	84	962162	58.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.34%
36) 1,2-Dichloropropane-d6	6.33	67	287721	54.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.12%
41) Toluene-d8	7.56	98	793050	53.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.36%
43) trans-1,3-Dichloropropene-	7.85	79	120095	49.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.04%
47) 2-Hexanone-d5	8.31	63	291516	109.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	427468	59.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	118.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	291220	54.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.52%

Target Compounds

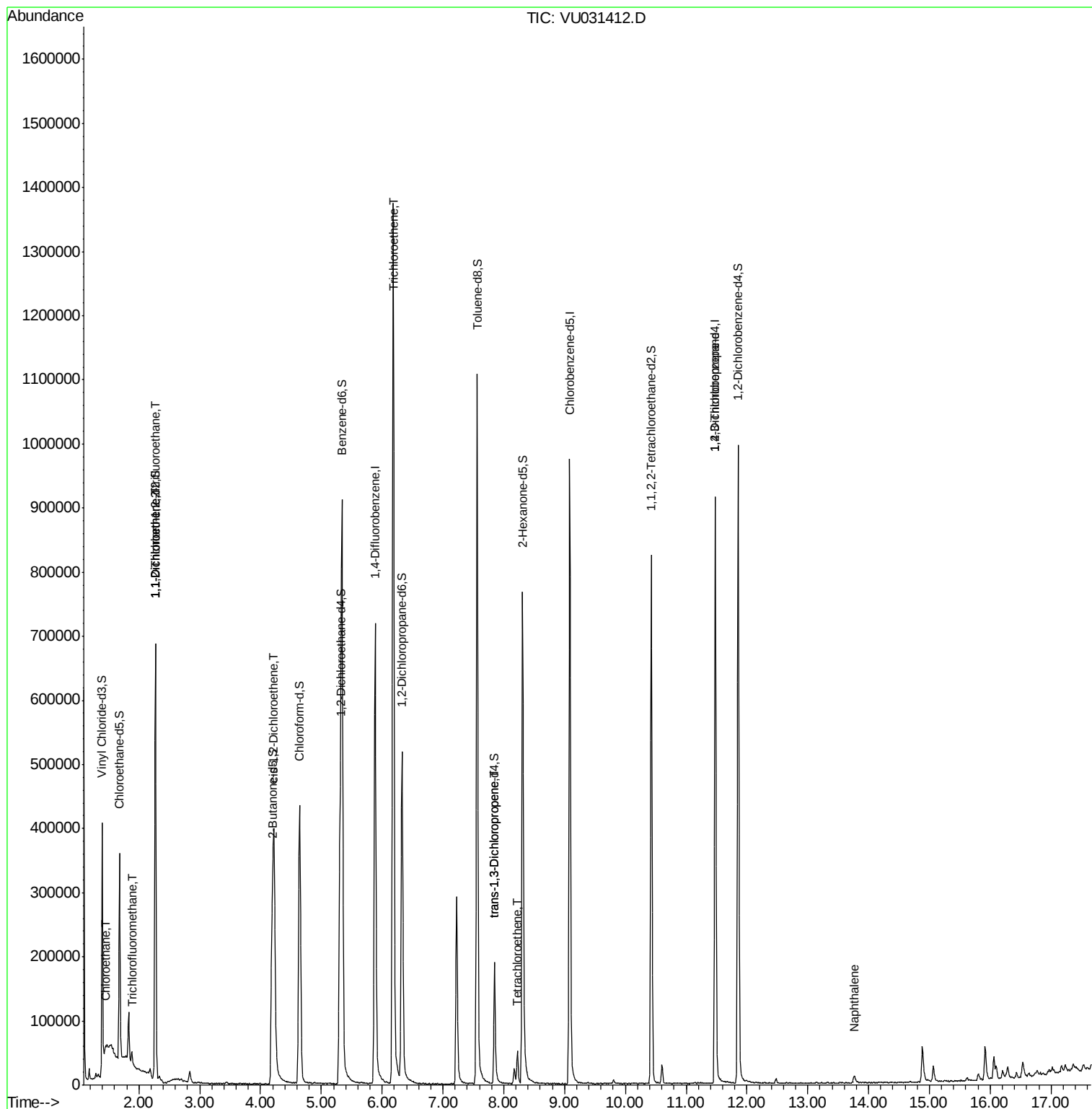
					Qvalue	
8) Chloroethane	1.45	64	98807	29.647	ug/L #	51
9) Trichlorofluoromethane	1.88	101	6278	0.896	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3637	0.895	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	3514	0.879	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	169933	36.304	ug/L	100
34) Trichloroethene	6.18	95	504232	114.908	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3779	0.664	ug/L #	77
46) Tetrachloroethene	8.23	164	13314	4.278	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	29945	5.497	ug/L	94
69) Naphthalene	13.76	128	7093	0.452	ug/L #	79

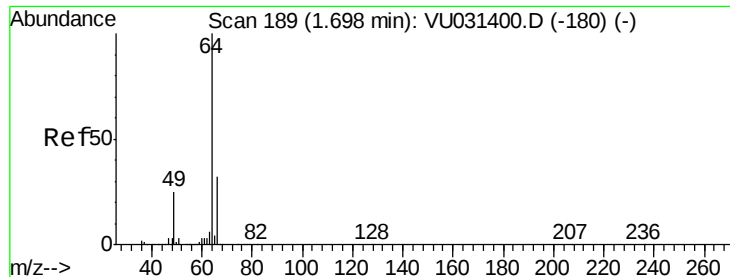
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 29.647 ug/L

RT: 1.45 min Scan# 112

Delta R.T. -0.25 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:02

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MSVOA_U

ClientSampleId :

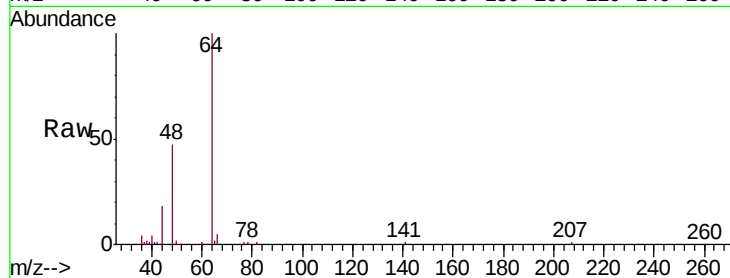
C0X63

Tgt Ion: 64 Resp: 98807

Ion Ratio Lower Upper

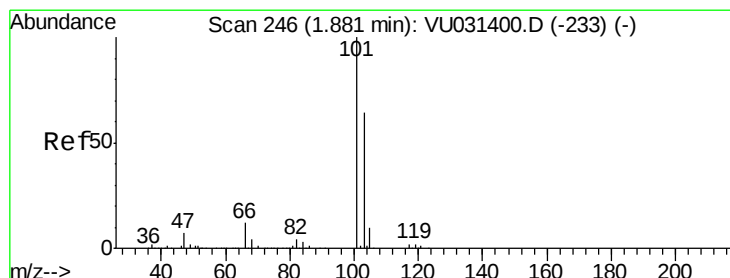
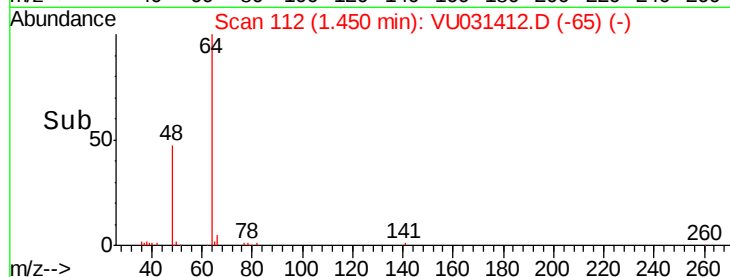
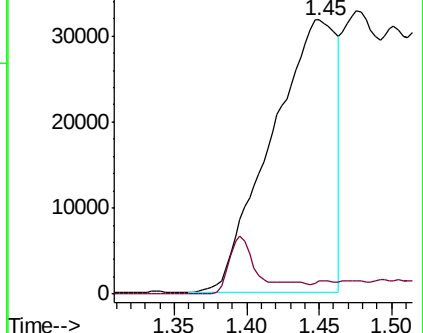
64 100

66 4.7 22.1 41.1#



Abundance Ion 64.00 (63.70 to 64.70): VU031412.D (-112) (-)

Ion 66.00 (65.70 to 66.70): VU031412.D (-112) (-)



#9

Trichlorofluoromethane

Concen: 0.896 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031412.D

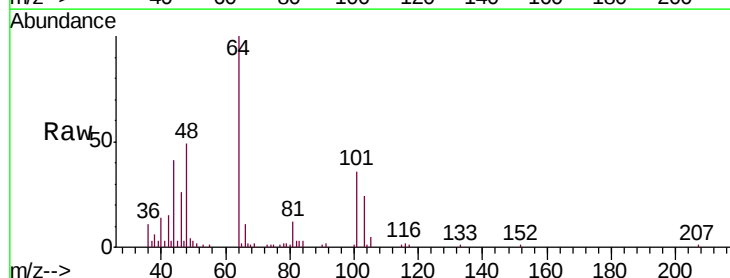
Acq: 23 Apr 2019 00:02

Tgt Ion: 101 Resp: 6278

Ion Ratio Lower Upper

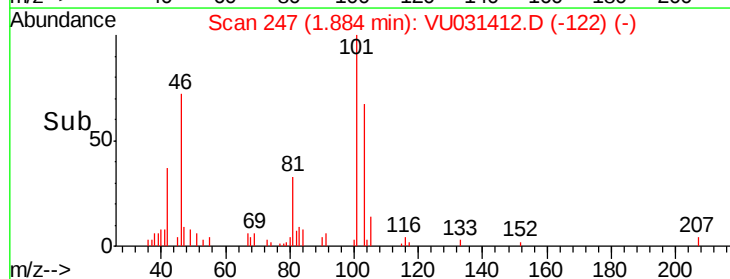
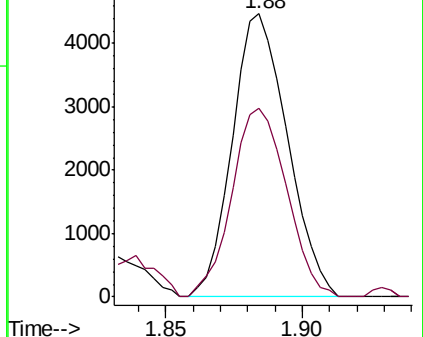
101 100

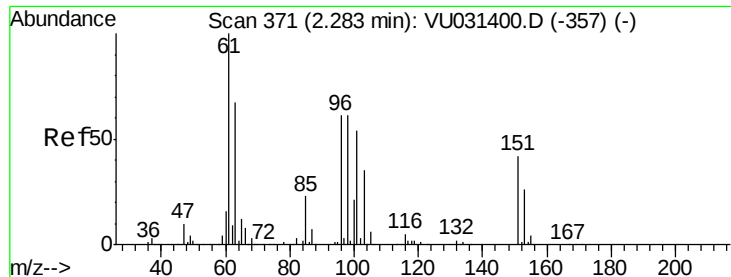
103 66.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU031412.D (-247) (-)

Ion 103.00 (102.70 to 103.70): VU031412.D (-247) (-)





#10

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

Concen: 0.895 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:02

Instrument :

MSVOA_U

ClientSampleId :

C0X63

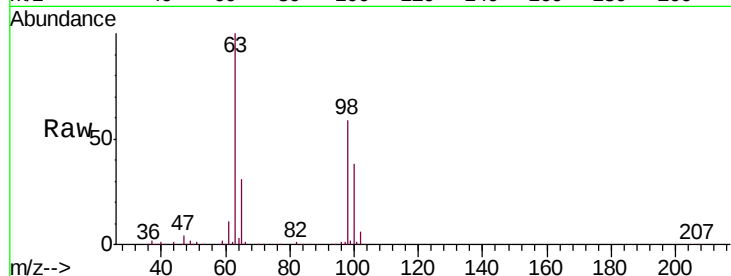
Tgt Ion: 101 Resp: 3637

Ion Ratio Lower Upper

101 100

85 0.0 33.1 49.7#

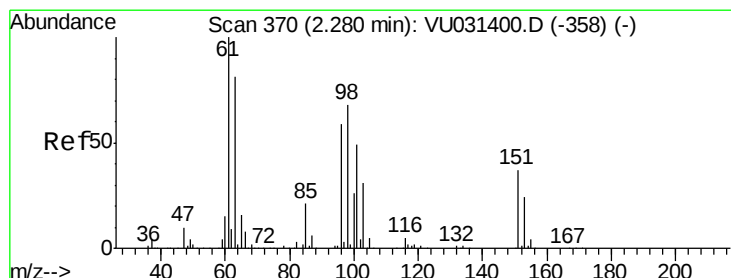
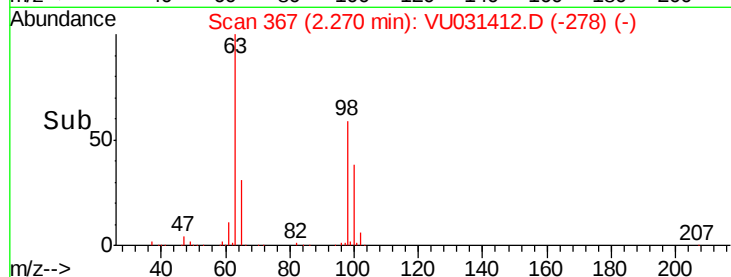
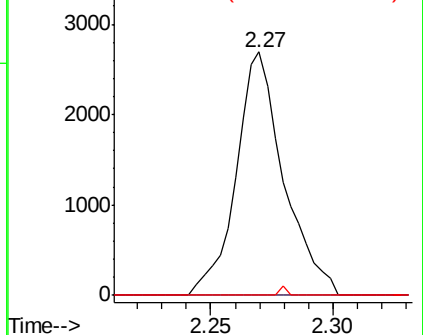
151 0.0 61.4 92.0#



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: 0.879 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:02

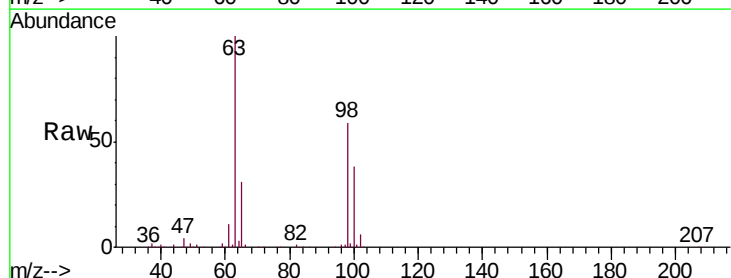
Tgt Ion: 96 Resp: 3514

Ion Ratio Lower Upper

96 100

61 1234.6 118.9 220.9#

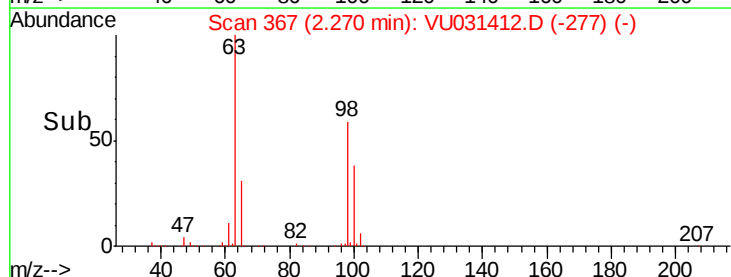
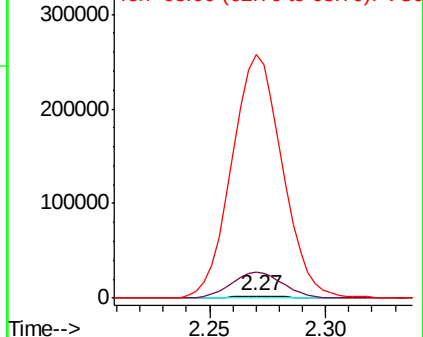
63 11352.4 99.3 184.3#

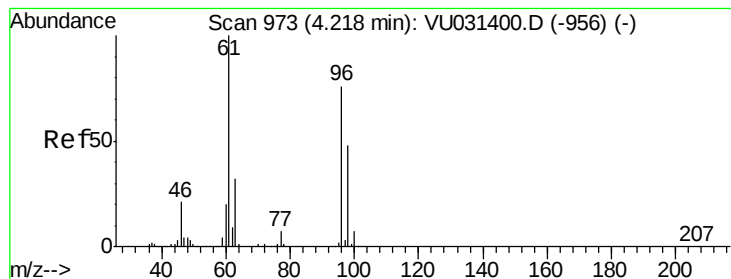


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



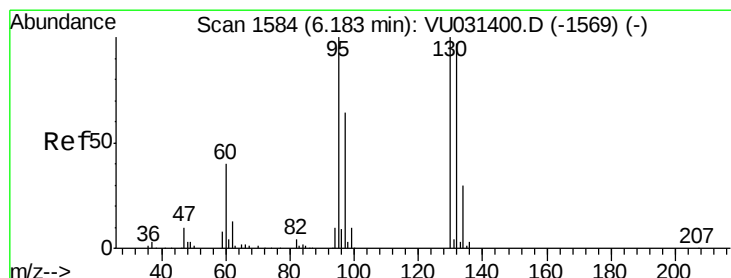
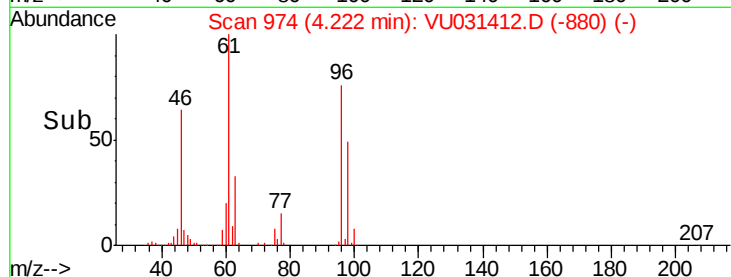
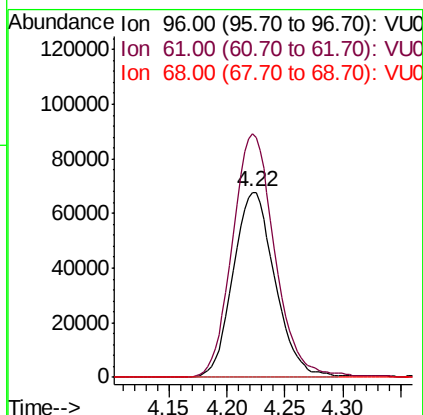
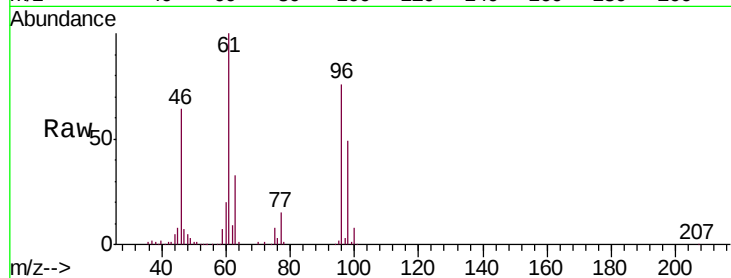


#20

cis-1,2-Dichloroethene
Concen: 36.304 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031412.D
Acq: 23 Apr 2019 00:02

Instrument :
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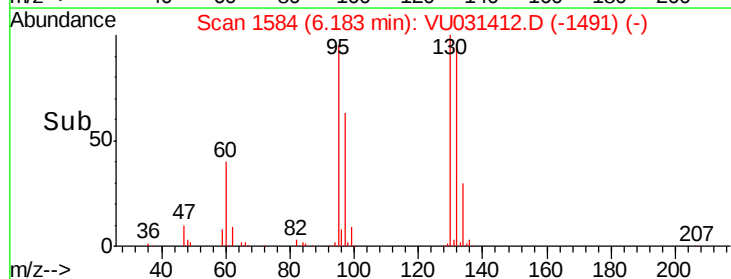
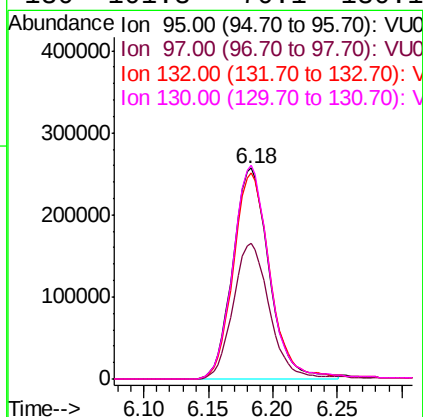
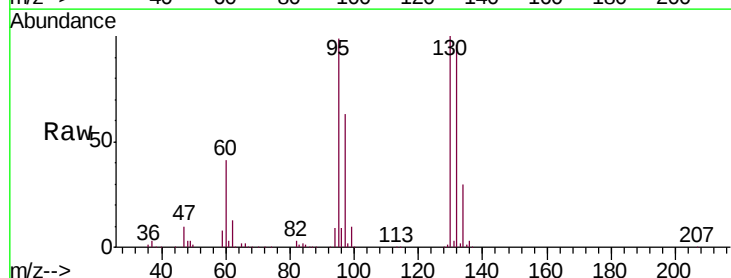
Tgt Ion: 96 Resp: 169933
Ion Ratio Lower Upper
96 100
61 131.5 91.9 170.7
68 0.0 0.0 0.0

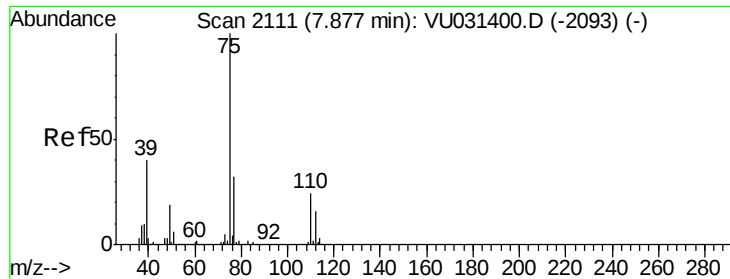


#34

Trichloroethene
Concen: 114.908 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU031412.D
Acq: 23 Apr 2019 00:02

Tgt Ion: 95 Resp: 504232
Ion Ratio Lower Upper
95 100
97 64.1 44.9 83.5
132 97.5 68.0 126.2
130 101.3 70.1 130.1





#44

trans-1,3-Dichloropropene

Concen: 0.664 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:02

Instrument :

MSVOA_U

ClientSampleId :

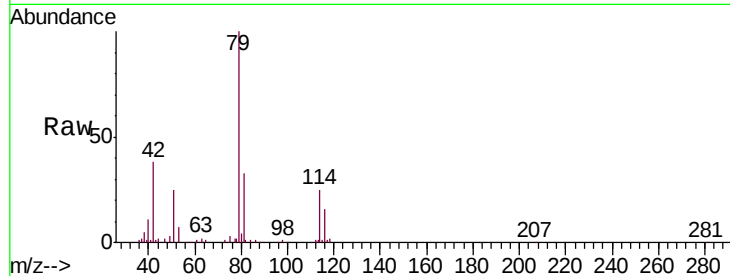
C0X63

Tgt Ion: 75 Resp: 3779

Ion Ratio Lower Upper

75 100

77 44.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU031412.D (-2103) (-)

Ion 77.00 (76.70 to 77.70): VU031412.D (-2103) (-)

7.85

2000

1500

1000

500

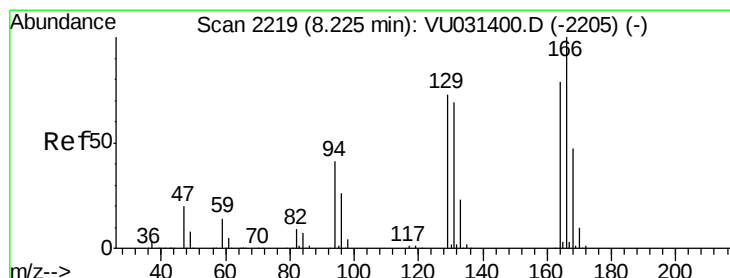
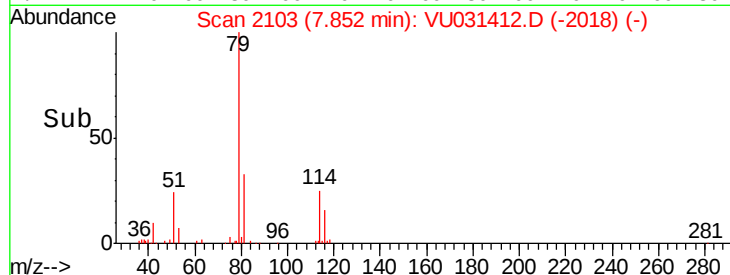
0

7.80

7.85

7.90

Time-->



#46

Tetrachloroethene

Concen: 4.278 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU031412.D

Acq: 23 Apr 2019 00:02

Tgt Ion: 164 Resp: 13314

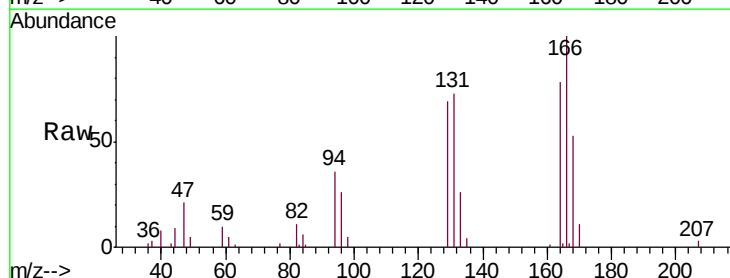
Ion Ratio Lower Upper

164 100

129 88.9 65.2 121.0

131 93.9 61.4 114.0

166 128.3 89.2 165.6



Abundance Ion 164.00 (163.70 to 164.70): VU031412.D (-2219) (-)

Ion 129.00 (128.70 to 129.70): VU031412.D (-2219) (-)

Ion 131.00 (130.70 to 131.70): VU031412.D (-2219) (-)

Ion 166.00 (165.70 to 166.70): VU031412.D (-2219) (-)

8.23

10000

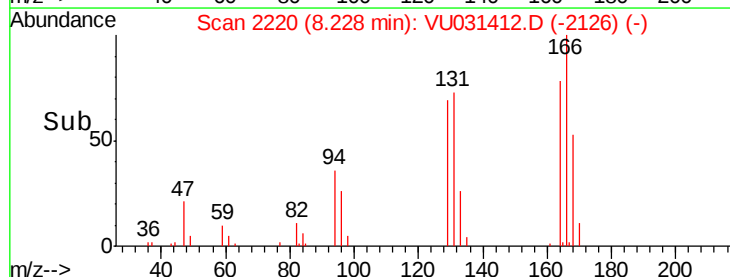
5000

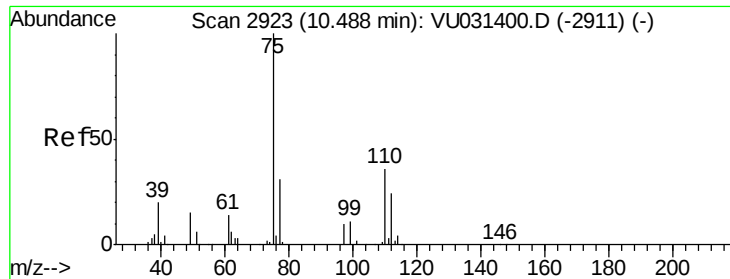
0

8.20

8.25

Time-->

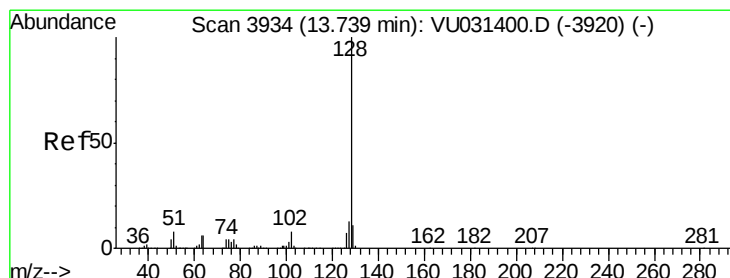
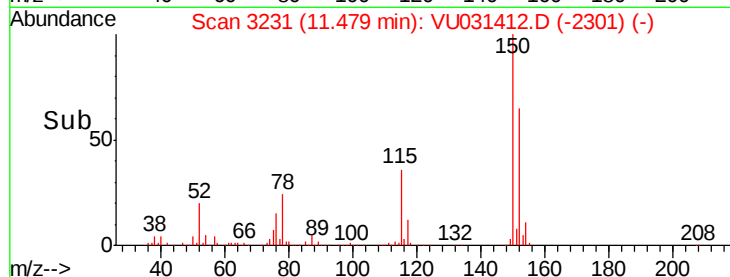
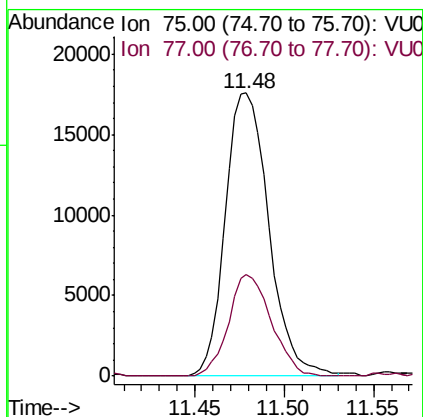
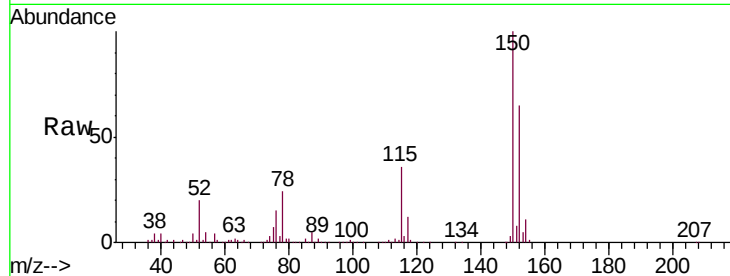




#59
 1,2,3-Trichloropropane
 Concen: 5.497 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031412.D
 Acq: 23 Apr 2019 00:02

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Tgt Ion: 75 Resp: 29945
 Ion Ratio Lower Upper
 75 100
 77 35.3 25.6 38.4



#69
 Naphthalene
 Concen: 0.452 ug/L
 RT: 13.76 min Scan# 3940
 Delta R.T. 0.02 min
 Lab File: VU031412.D
 Acq: 23 Apr 2019 00:02

Tgt Ion: 128 Resp: 7093
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 13.7 8.6 13.0#

