

Data File : VU031446.D
Acq On : 23 Apr 2019 18:19
Operator : JC/SP
Sample : K2536-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X21

Quant Time: Apr 24 06:06:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	717139	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	634176	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	285863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	238029	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.92%
7) Chloroethane-d5	1.68	69	197884	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.44%
11) 1,1-Dichloroethene-d2	2.27	63	342657	33.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.80%
21) 2-Butanone-d5	4.19	46	449079	103.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.37%
24) Chloroform-d	4.64	84	413812	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
26) 1,2-Dichloroethane-d4	5.31	65	263191	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.34	84	870478	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.32	67	274105	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.00%
41) Toluene-d8	7.56	98	771176	47.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.26%
43) trans-1,3-Dichloropropene-	7.85	79	118953	44.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.56%
47) 2-Hexanone-d5	8.31	63	293424	99.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	365980	45.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	278885	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

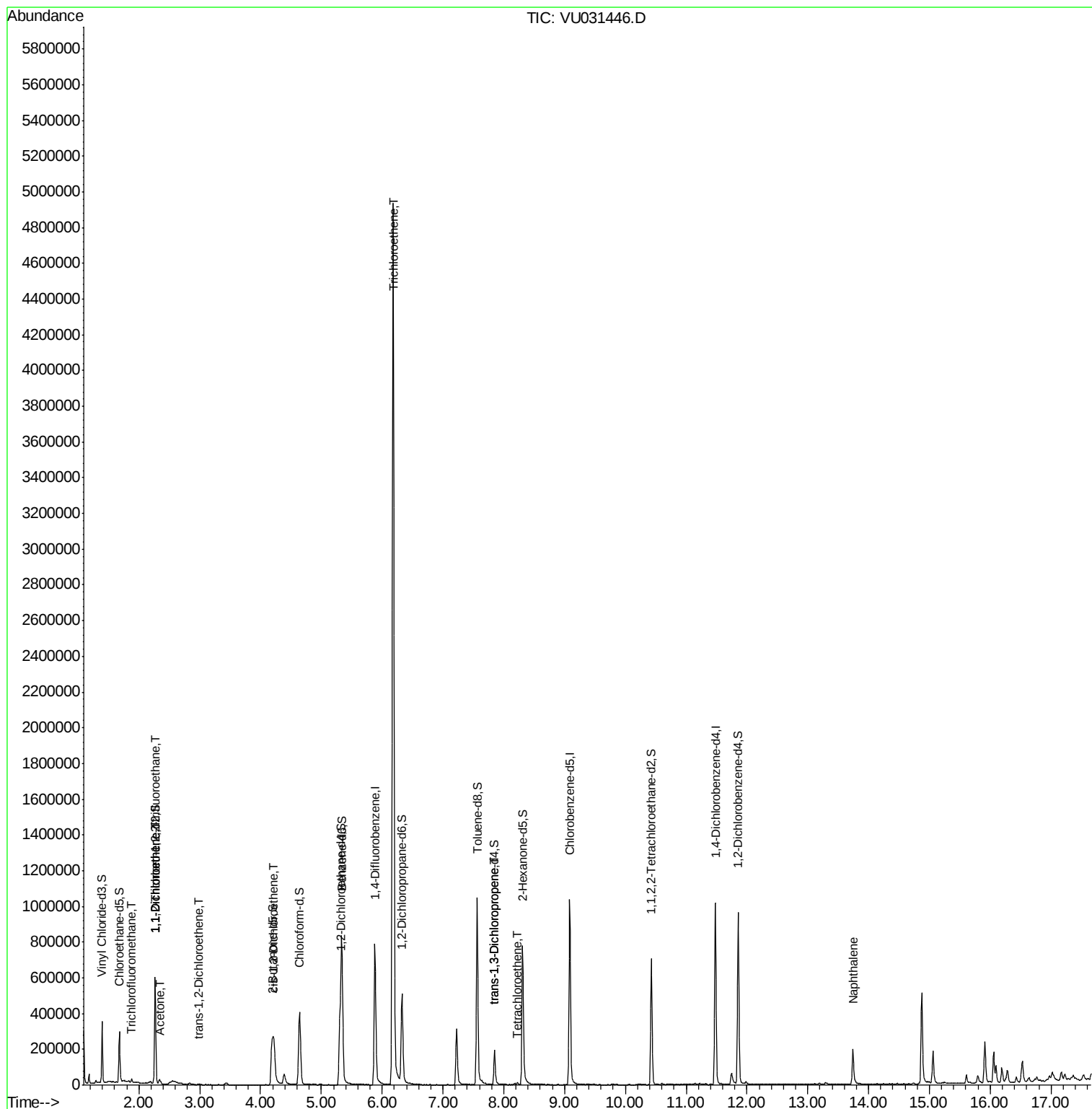
						Qvalue
9) Trichlorofluoromethane	1.88	101	6371	0.832	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3018	0.680	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	4435	1.015	ug/L #	1
13) Acetone	2.34	43	33723	9.887	ug/L	93
17) trans-1,2-Dichloroethene	2.99	96	2191	0.486	ug/L #	68
20) cis-1,2-Dichloroethene	4.23	96	100621	19.681	ug/L	96
34) Trichloroethene	6.18	95	1816192	373.665	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4866	0.771	ug/L	97
46) Tetrachloroethene	8.23	164	3465	1.005	ug/L #	73
69) Naphthalene	13.74	128	182395	10.579	ug/L	99

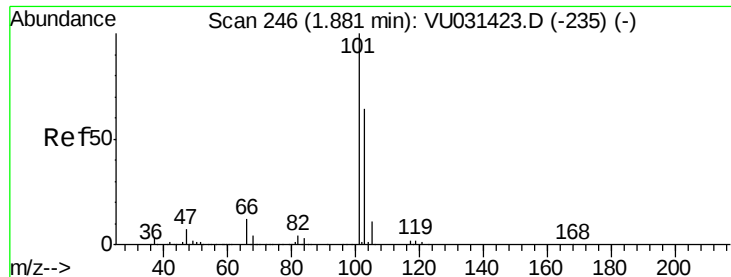
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.832 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

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Acq: 23 Apr 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

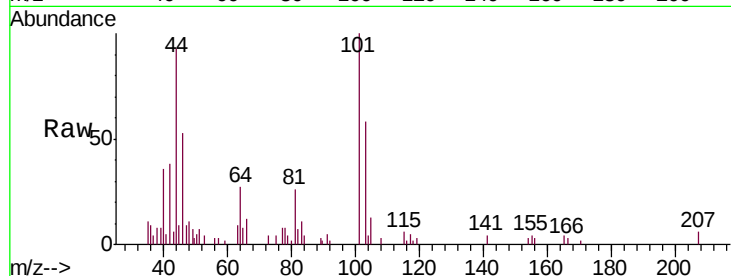
C0X21

Tgt Ion:101 Resp: 6371

Ion Ratio Lower Upper

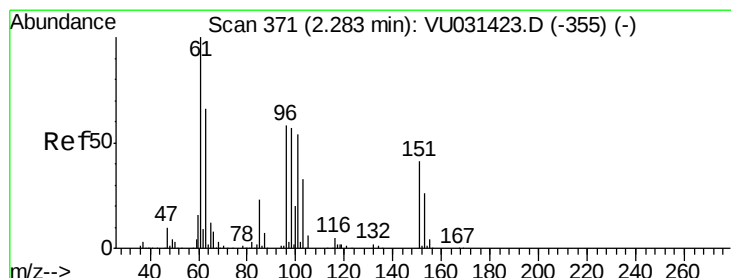
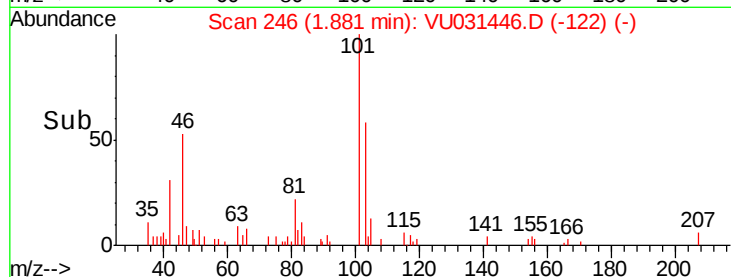
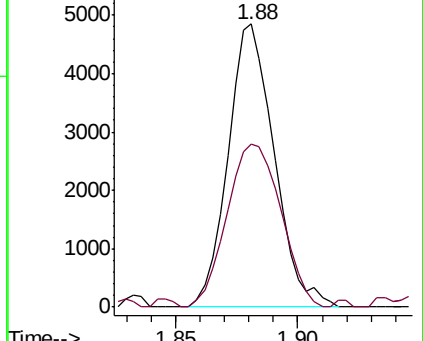
101 100

103 67.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.680 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031446.D

Acq: 23 Apr 2019 18:19

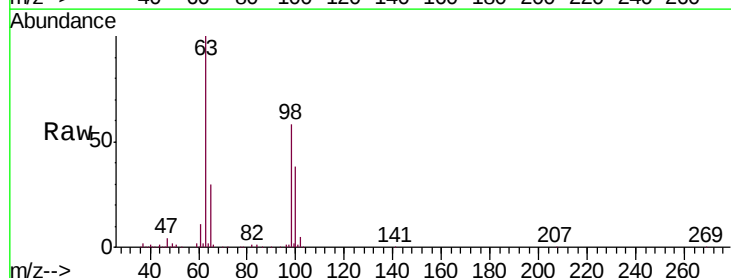
Tgt Ion:101 Resp: 3018

Ion Ratio Lower Upper

101 100

85 0.0 33.1 49.7#

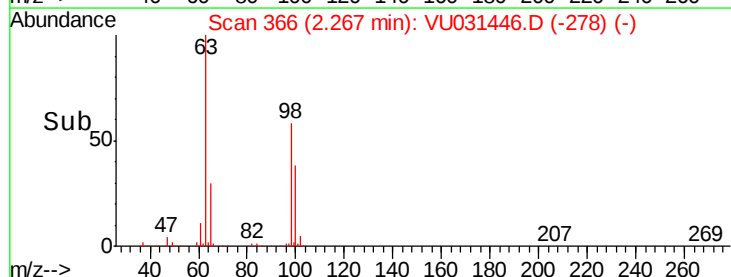
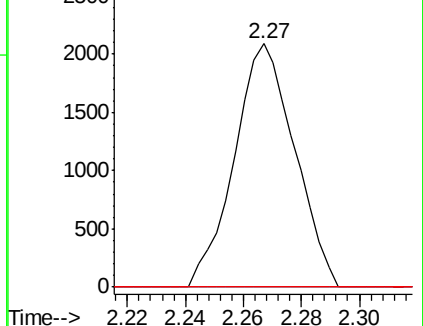
151 0.0 61.4 92.0#

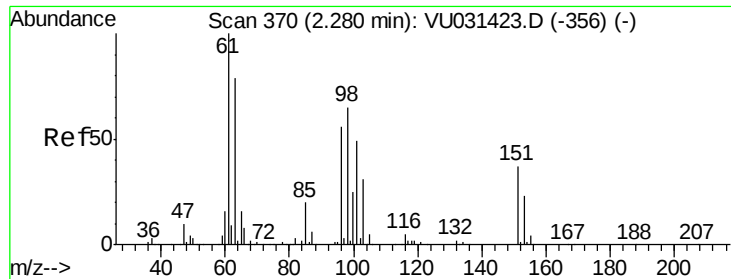


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.015 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031446.D

Acq: 23 Apr 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

C0X21

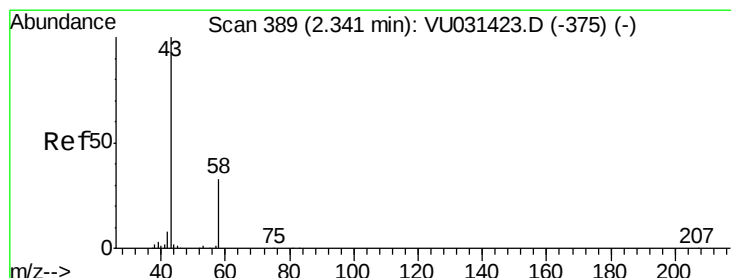
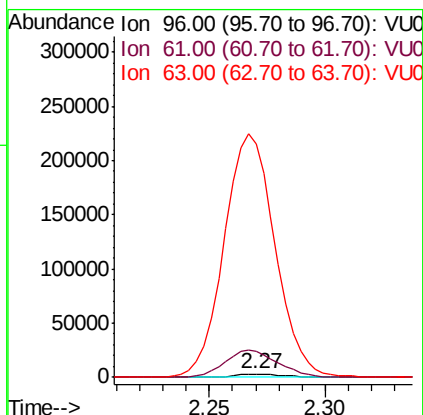
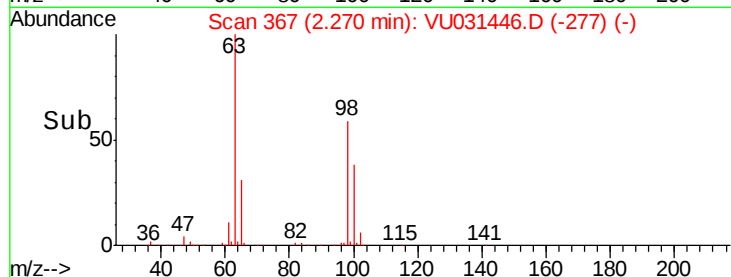
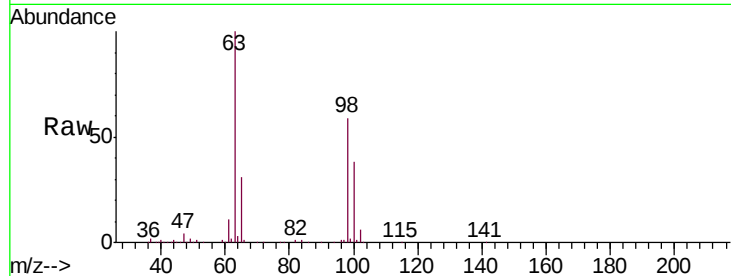
Tgt Ion: 96 Resp: 4435

Ion Ratio Lower Upper

96 100

61 863.8 118.9 220.9#

63 7849.7 99.3 184.3#



#13

Acetone

Concen: 9.887 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU031446.D

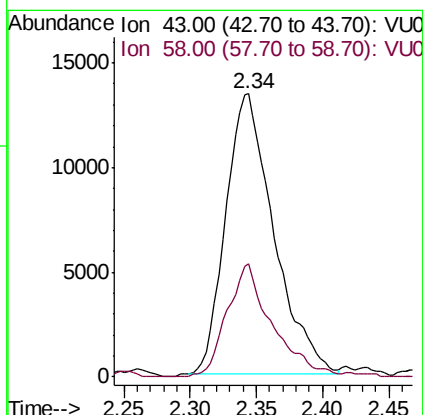
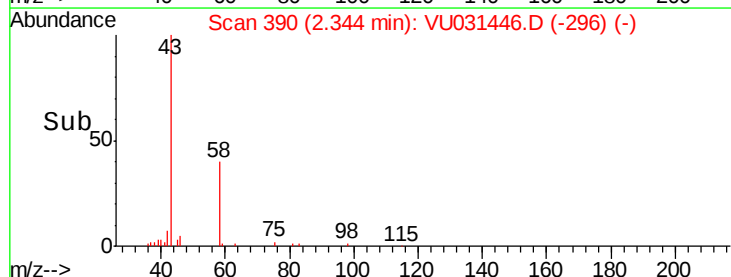
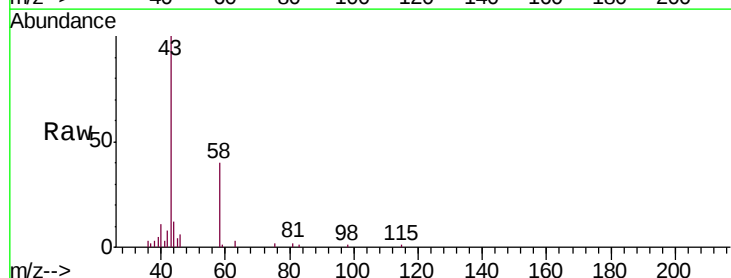
Acq: 23 Apr 2019 18:19

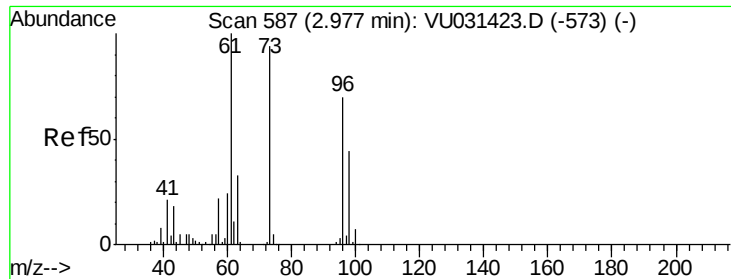
Tgt Ion: 43 Resp: 33723

Ion Ratio Lower Upper

43 100

58 36.9 0.0 66.4





#17

trans-1,2-Dichloroethene

Concen: 0.486 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU031446.D

Acq: 23 Apr 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

C0X21

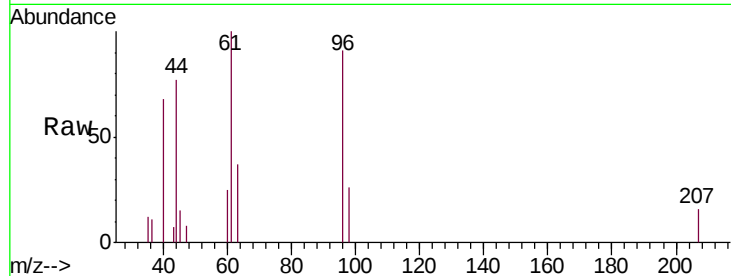
Tgt Ion: 96 Resp: 2191

Ion Ratio Lower Upper

96 100

61 110.4 100.3 186.3

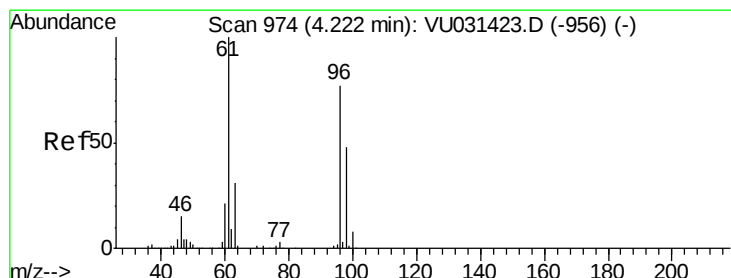
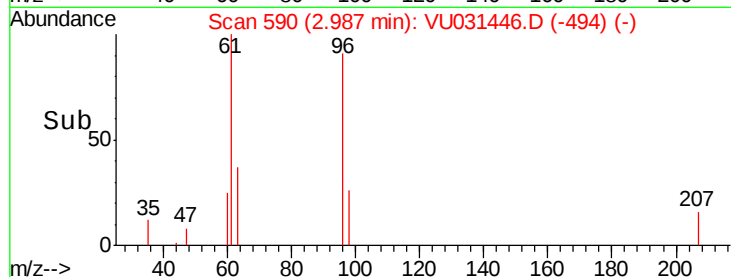
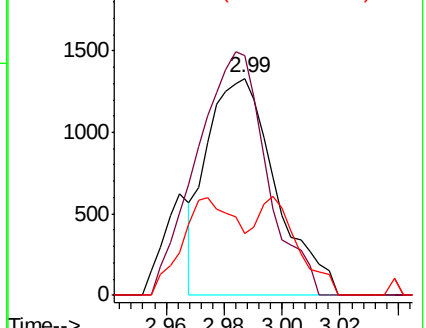
98 28.5 44.0 81.6#



Abundance Ion 96.00 (95.70 to 96.70): VU031423.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031423.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031423.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 19.681 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU031446.D

Acq: 23 Apr 2019 18:19

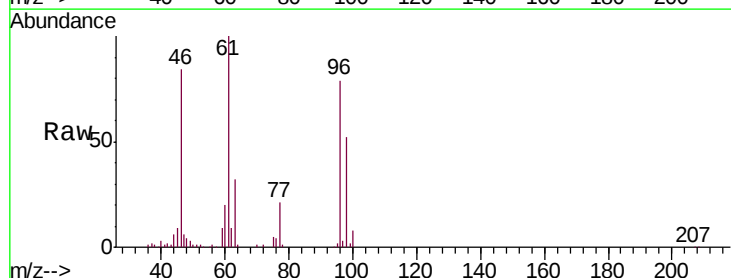
Tgt Ion: 96 Resp: 100621

Ion Ratio Lower Upper

96 100

61 126.7 91.9 170.7

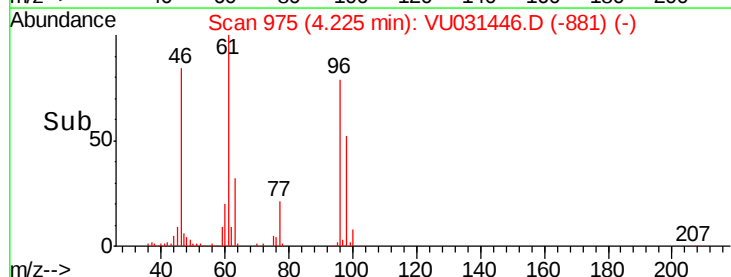
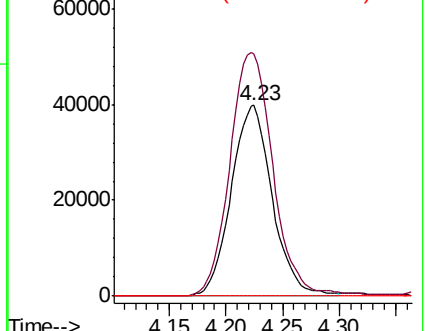
68 0.0 0.0 0.0

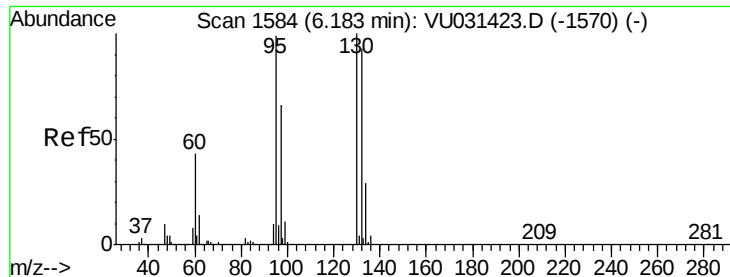


Abundance Ion 96.00 (95.70 to 96.70): VU031423.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU031423.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU031423.D (-956) (-)





#34

Trichloroethene

Concen: 373.665 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031446.D

Acq: 23 Apr 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

C0X21

Tgt Ion: 95 Resp: 1816192

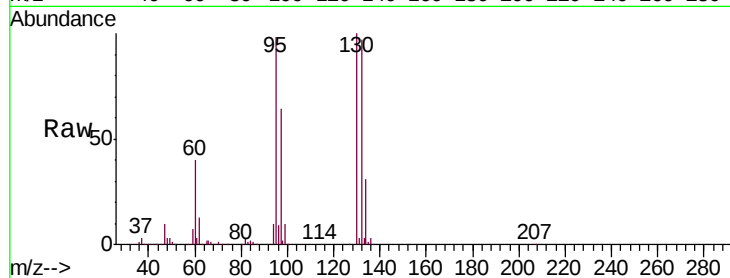
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.5

132 98.5 68.0 126.2

130 101.8 70.1 130.1

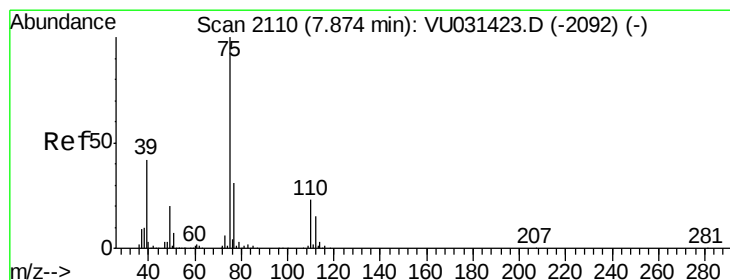
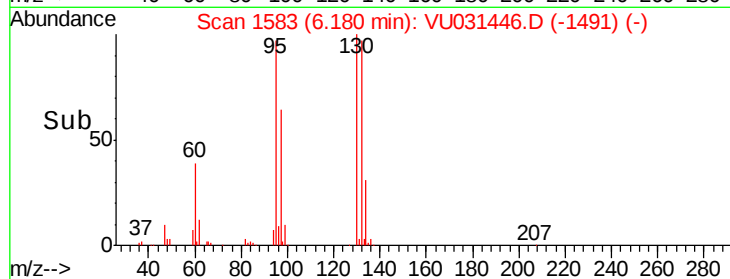
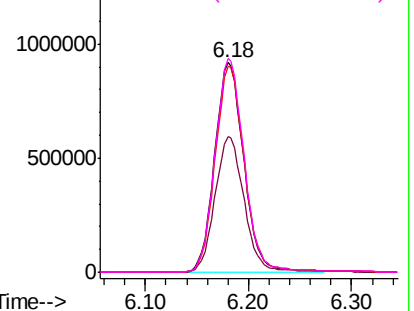


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#44

trans-1,3-Dichloropropene

Concen: 0.771 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031446.D

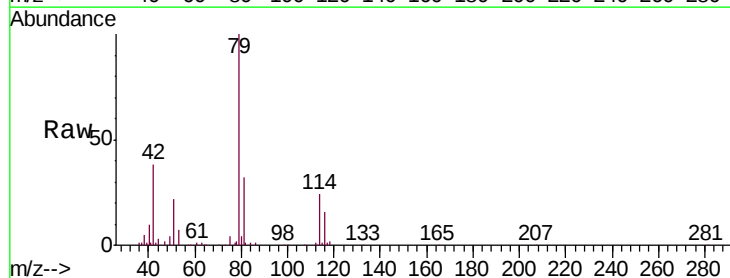
Acq: 23 Apr 2019 18:19

Tgt Ion: 75 Resp: 4866

Ion Ratio Lower Upper

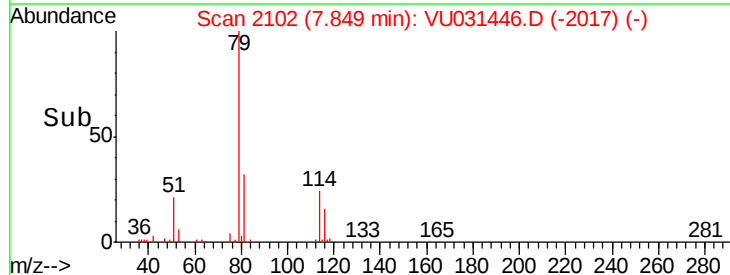
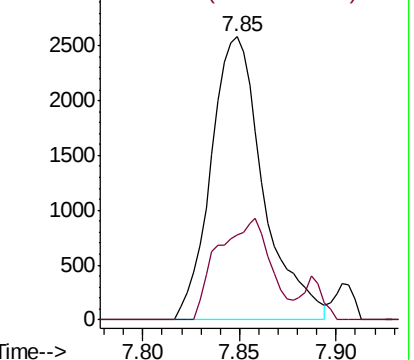
75 100

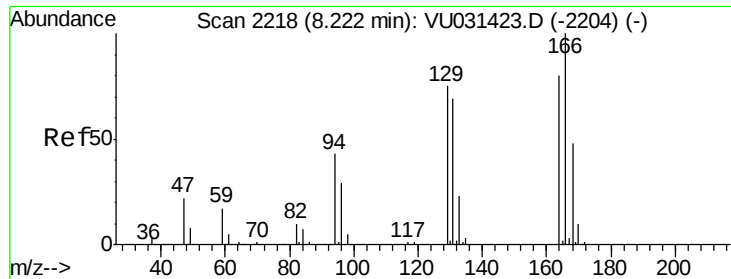
77 29.9 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

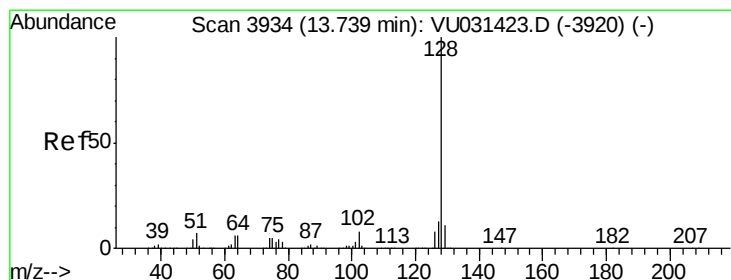
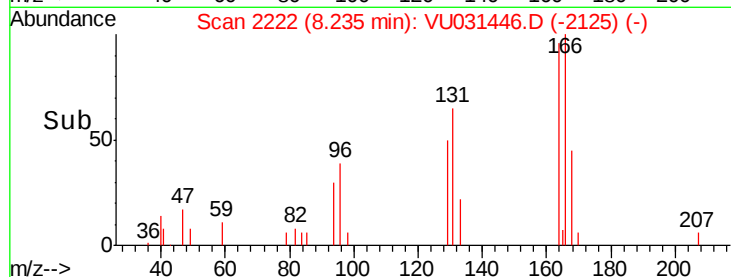
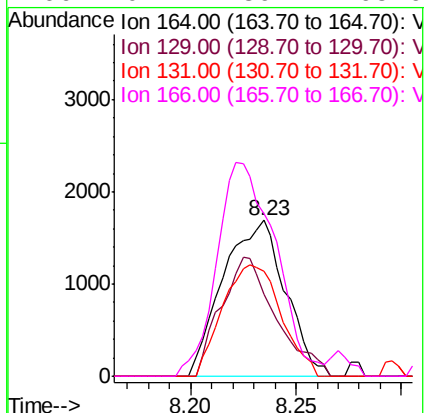
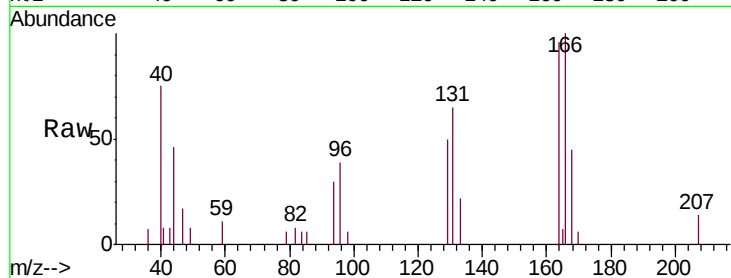




#46
Tetrachloroethene
Concen: 1.005 ug/L
RT: 8.23 min Scan# 2222
Delta R.T. 0.01 min
Lab File: VU031446.D
Acq: 23 Apr 2019 18:19

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Tgt Ion:164 Resp: 3465
Ion Ratio Lower Upper
164 100
129 52.4 65.2 121.0#
131 67.2 61.4 114.0
166 104.2 89.2 165.6



#69
Naphthalene
Concen: 10.579 ug/L
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU031446.D
Acq: 23 Apr 2019 18:19

Tgt Ion:128 Resp: 182395
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.3 8.6 13.0

