

Data File : VU031413.D
Acq On : 23 Apr 2019 00:25
Operator : JC/SP
Sample : K2477-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X64

Quant Time: Apr 23 04:07:54 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	680980	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	631549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	265830	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	274884	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.62%
7) Chloroethane-d5	1.68	69	222346	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.84%
11) 1,1-Dichloroethene-d2	2.27	63	390494	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.36%
21) 2-Butanone-d5	4.19	46	455507	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.64	84	447791	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
26) 1,2-Dichloroethane-d4	5.31	65	278194	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
32) Benzene-d6	5.34	84	966223	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.92%
36) 1,2-Dichloropropane-d6	6.33	67	306870	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.54%
41) Toluene-d8	7.56	98	852347	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.85	79	133629	49.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.90%
47) 2-Hexanone-d5	8.31	63	330704	112.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	420502	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	296050	54.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.96%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	317984	43.742	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3764	0.893	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	3531	0.851	ug/L #	1
13) Acetone	2.34	43	2984	0.921	ug/L	77
17) trans-1,2-Dichloroethene	2.98	96	1643	0.384	ug/L #	72
20) cis-1,2-Dichloroethene	4.22	96	5865	1.208	ug/L	88
25) Chloroform	4.67	83	4671	0.579	ug/L #	68
31) Carbon tetrachloride	5.13	117	4452	0.772	ug/L #	4
34) Trichloroethene	6.18	95	11596223	2395.739	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4631	0.737	ug/L #	70
45) 1,1,2-Trichloroethane	8.07	97	1841	0.412	ug/L #	81
46) Tetrachloroethene	8.22	164	284939	83.002	ug/L	98
48) 2-Hexanone	8.31	43	34090	5.906	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	30872	5.138	ug/L	92
69) Naphthalene	13.77	128	9112	0.568	ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Not Reviewed)

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MSVOA_U
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C0X64

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

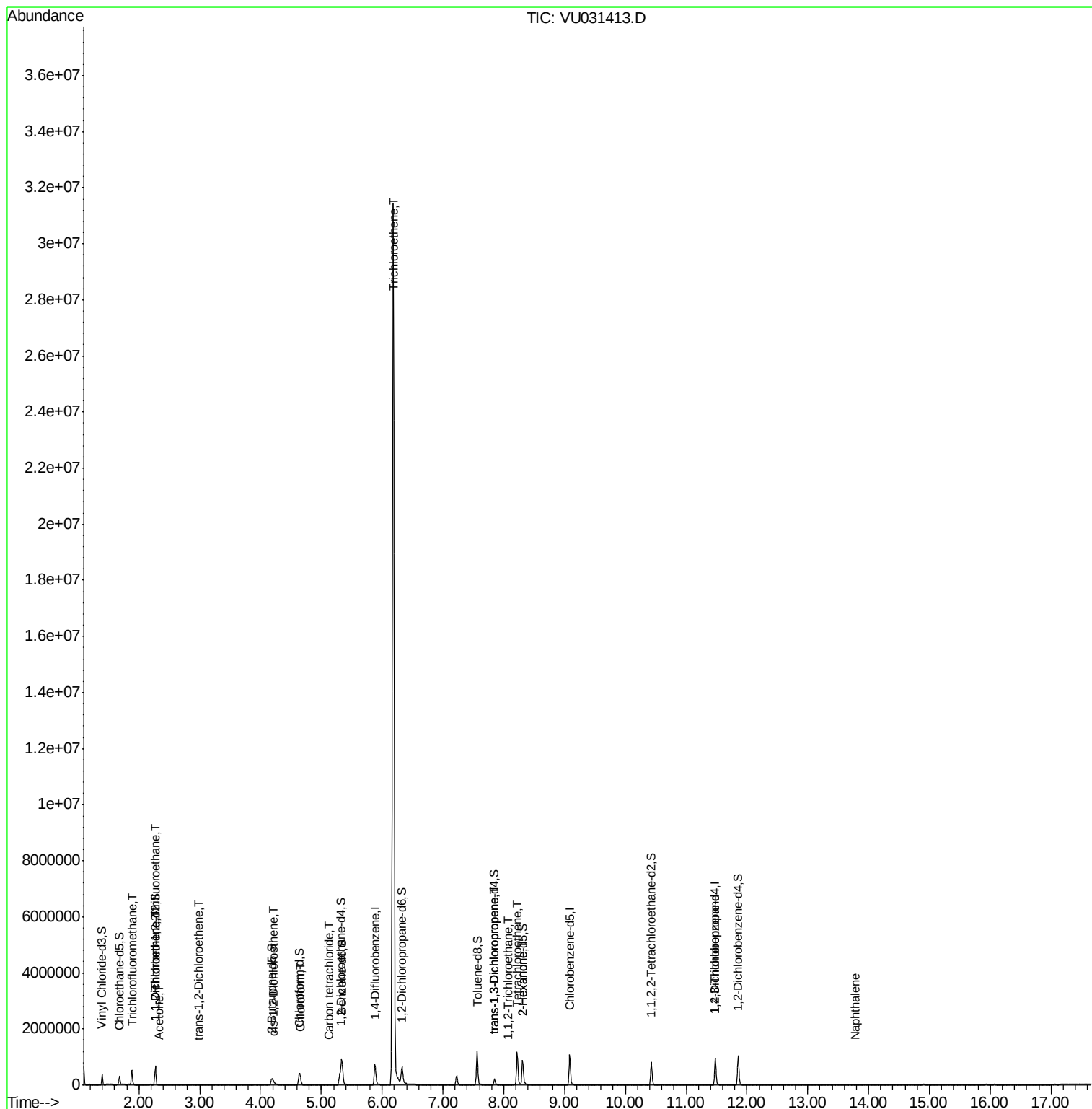
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

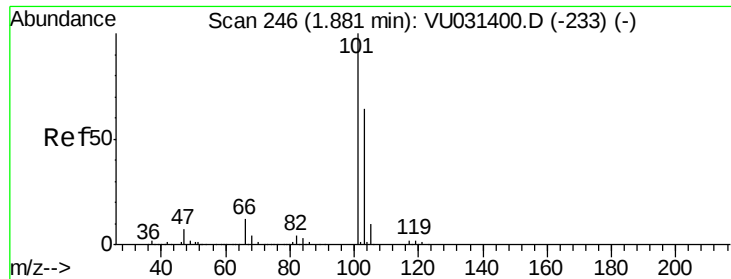
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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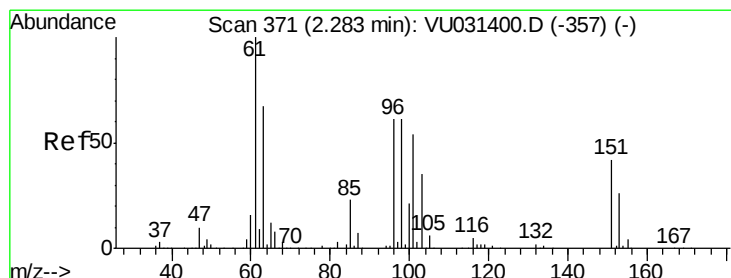
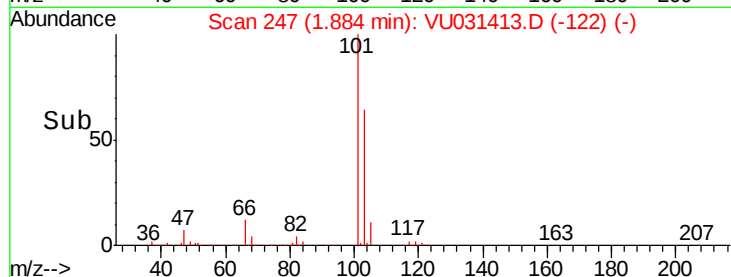
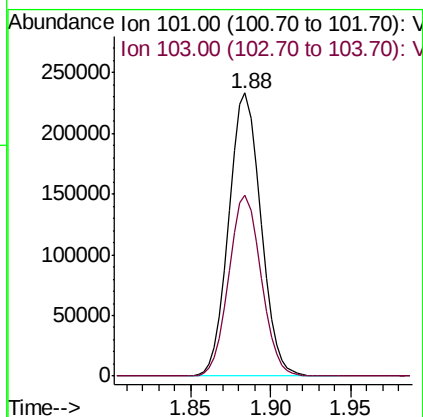
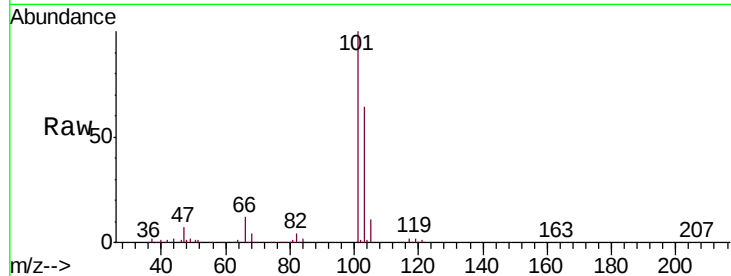


#9

Trichlorofluoromethane
 Concen: 43.742 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

Instrument :
 MSVOA_U
 ClientSampled :
 C0X64

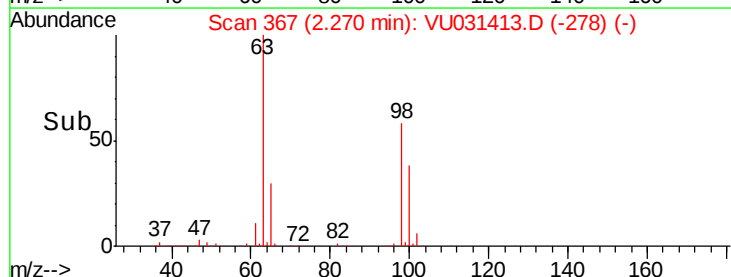
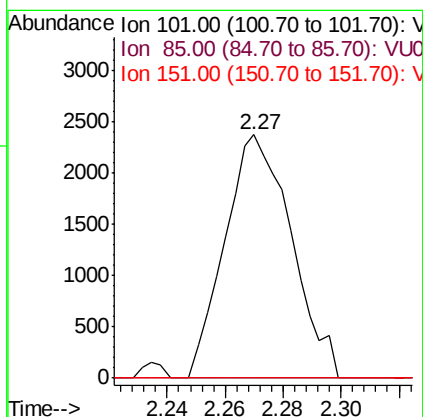
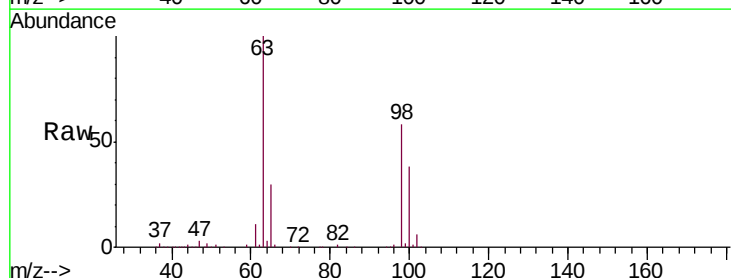
Tgt Ion:101 Resp: 317984
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2

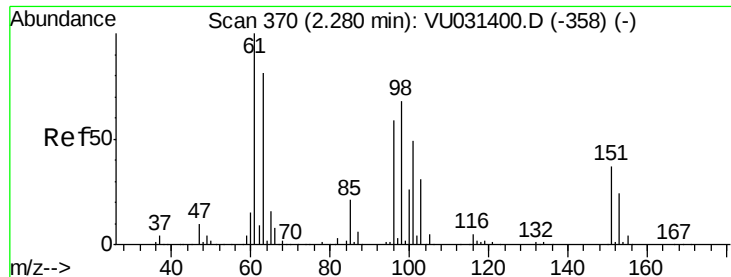


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.893 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

Tgt Ion:101 Resp: 3764
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.1 49.7#
 151 0.0 61.4 92.0#





#12

1,1-Dichloroethene

Concen: 0.851 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031413.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampled :

C0X64

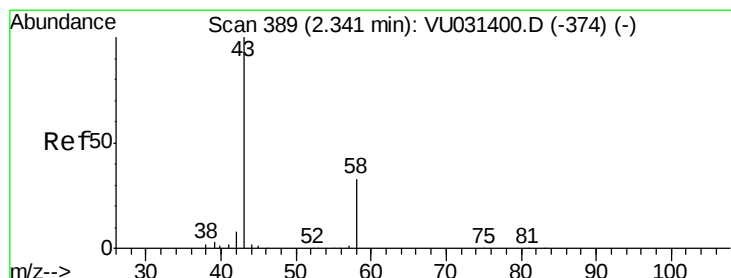
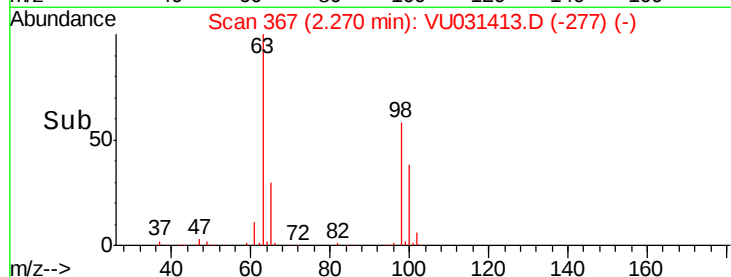
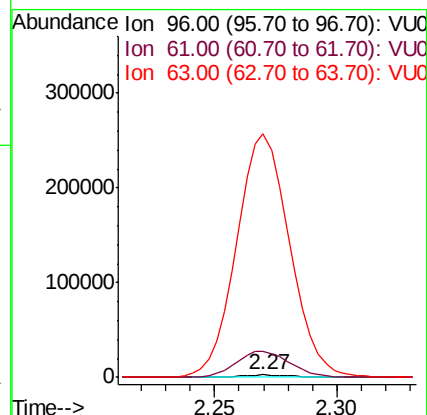
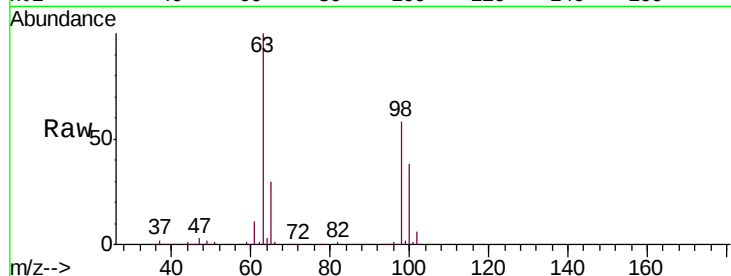
Tgt Ion: 96 Resp: 3531

Ion Ratio Lower Upper

96 100

61 1104.5 118.9 220.9#

63 10338.3 99.3 184.3#



#13

Acetone

Concen: 0.921 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU031413.D

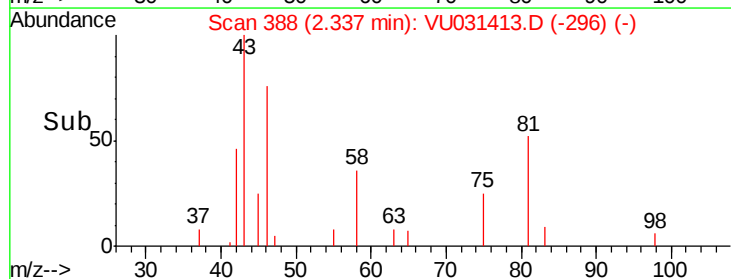
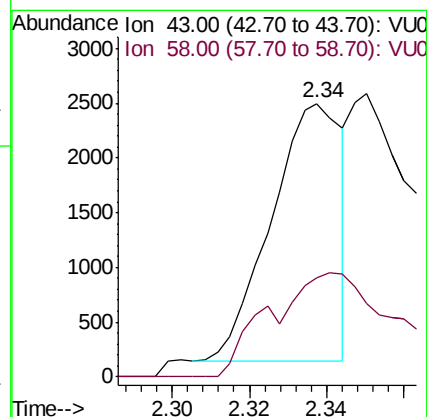
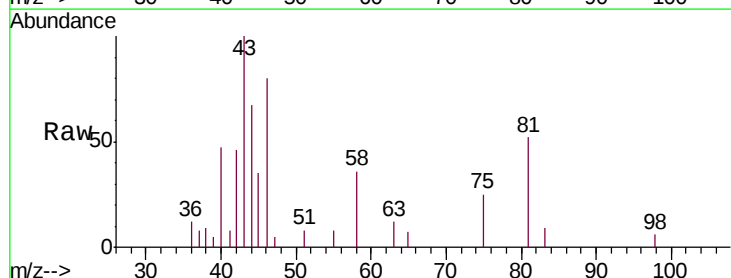
Acq: 23 Apr 2019 00:25

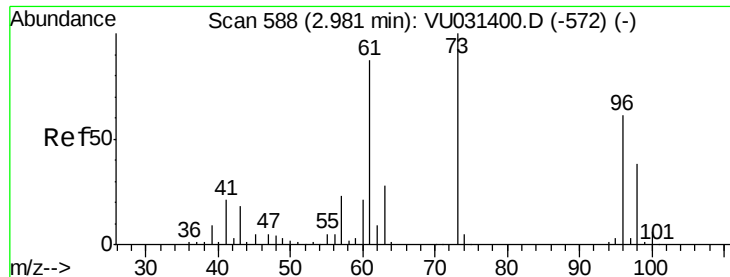
Tgt Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

58 46.5 0.0 66.4





#17

trans-1,2-Dichloroethene

Concen: 0.384 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031413.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampleId :

C0X64

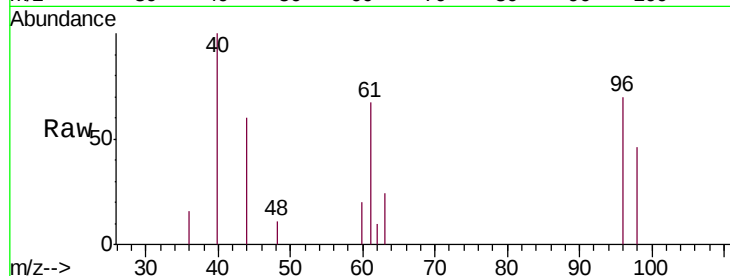
Tgt Ion: 96 Resp: 1643

Ion Ratio Lower Upper

96 100

61 95.0 100.3 186.3#

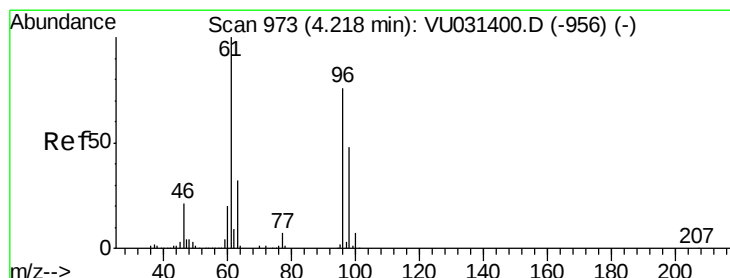
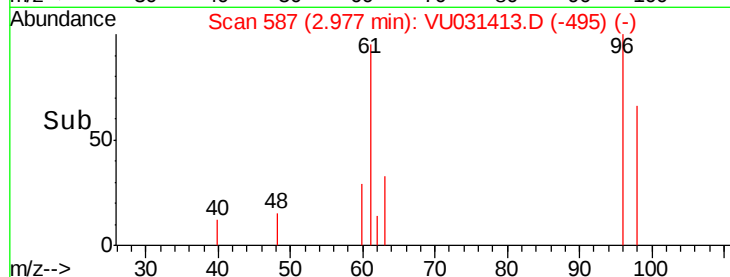
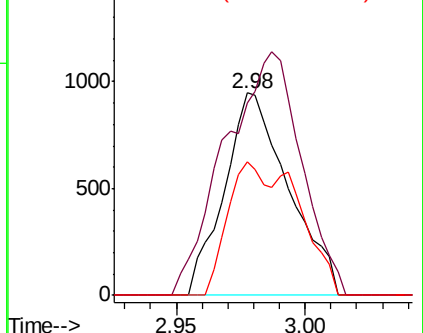
98 65.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031413.D (-495) (-)

Ion 61.00 (60.70 to 61.70): VU031413.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU031413.D (-495) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.208 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031413.D

Acq: 23 Apr 2019 00:25

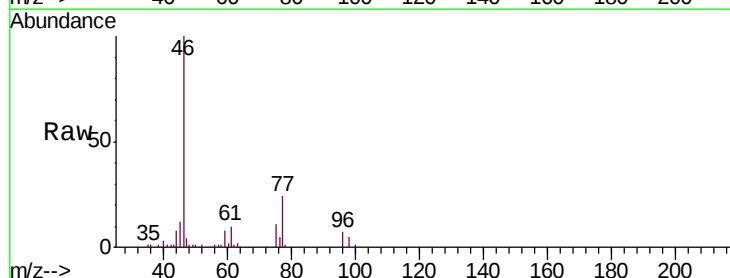
Tgt Ion: 96 Resp: 5865

Ion Ratio Lower Upper

96 100

61 145.6 91.9 170.7

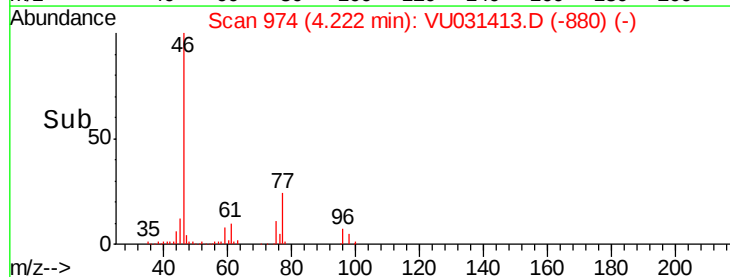
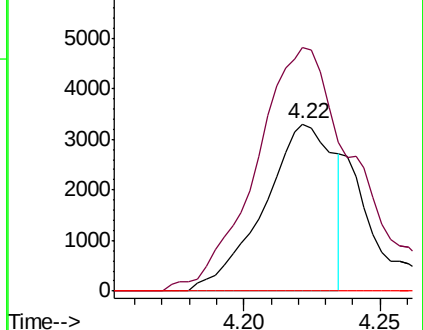
68 0.0 0.0 0.0

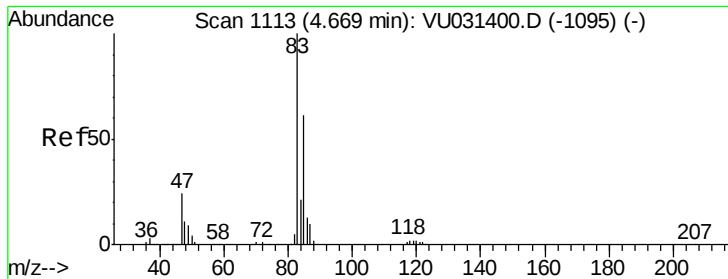


Abundance Ion 96.00 (95.70 to 96.70): VU031413.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031413.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031413.D (-880) (-)





#25

Chloroform

Concen: 0.579 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031413.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampleId :

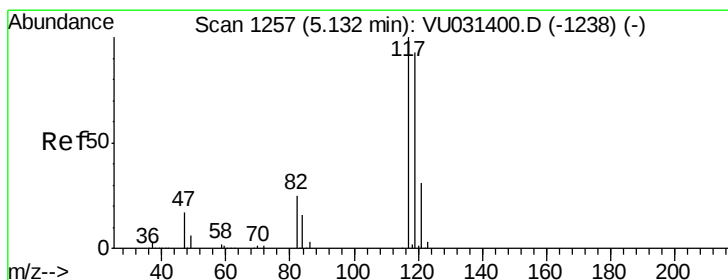
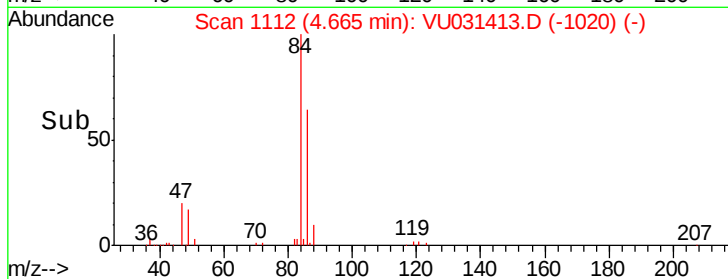
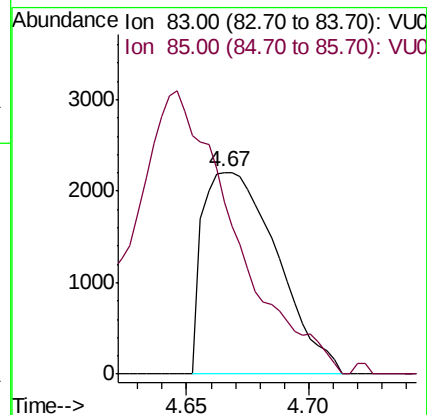
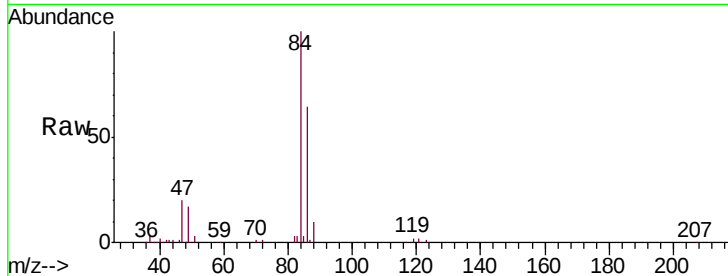
C0X64

Tgt Ion: 83 Resp: 4671

Ion Ratio Lower Upper

83 100

85 85.5 43.0 79.8#



#31

Carbon tetrachloride

Concen: 0.772 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031413.D

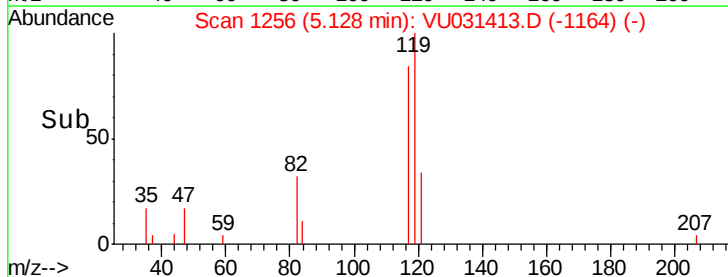
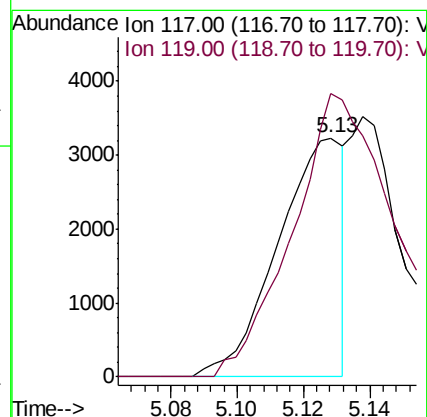
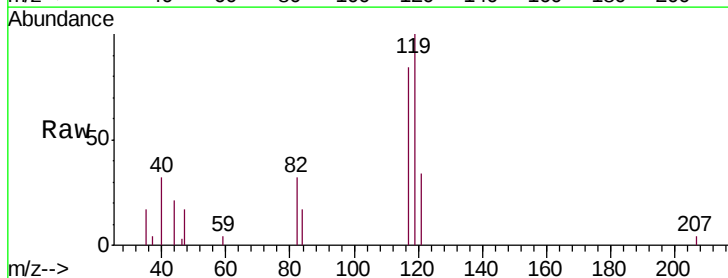
Acq: 23 Apr 2019 00:25

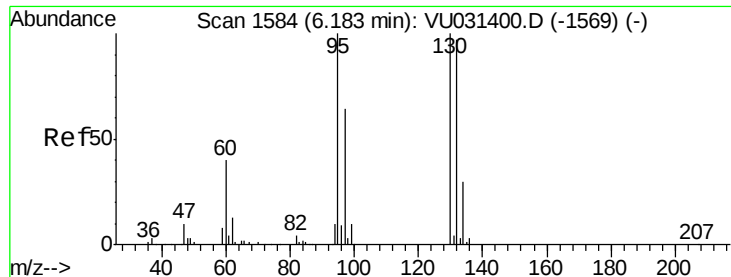
Tgt Ion: 117 Resp: 4452

Ion Ratio Lower Upper

117 100

119 188.5 76.2 114.4#





#34

Trichloroethene

Concen: 2395.739 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031413.D

Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampleId :

C0X64

Tgt Ion: 95 Resp:11596223

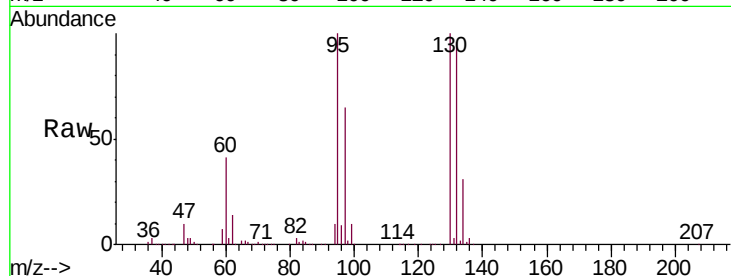
Ion Ratio Lower Upper

95 100

97 65.2 44.9 83.5

132 95.8 68.0 126.2

130 99.9 70.1 130.1

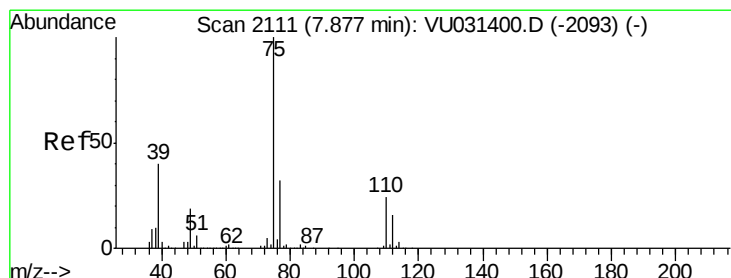
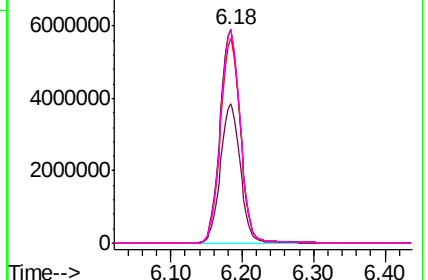
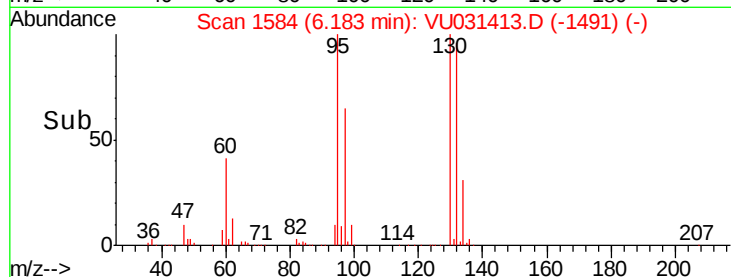


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.737 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031413.D

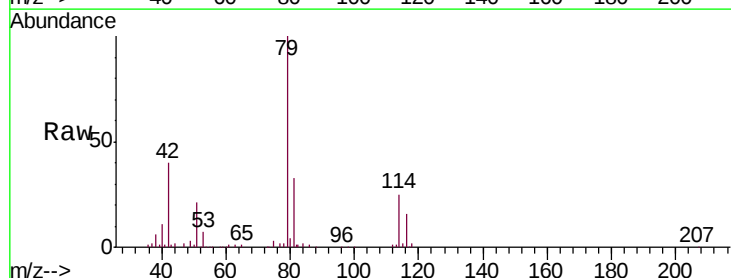
Acq: 23 Apr 2019 00:25

Tgt Ion: 75 Resp: 4631

Ion Ratio Lower Upper

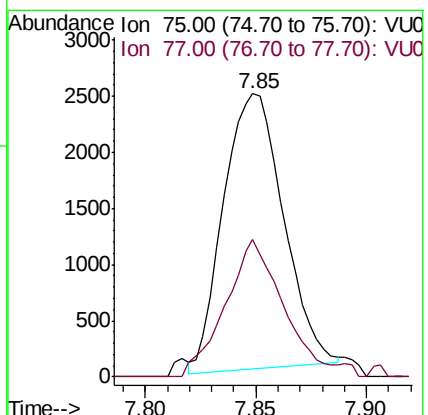
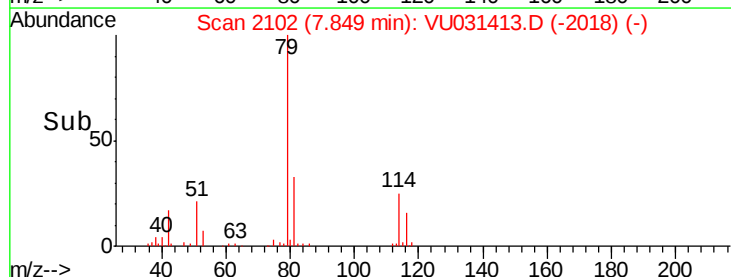
75 100

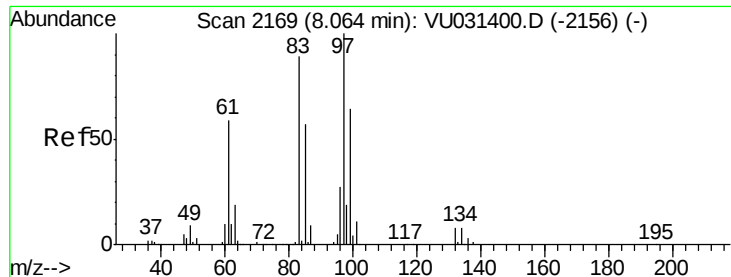
77 48.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

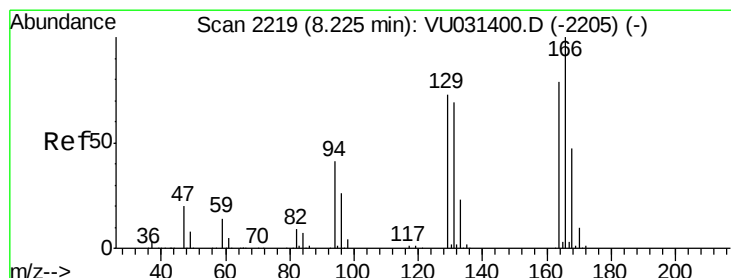
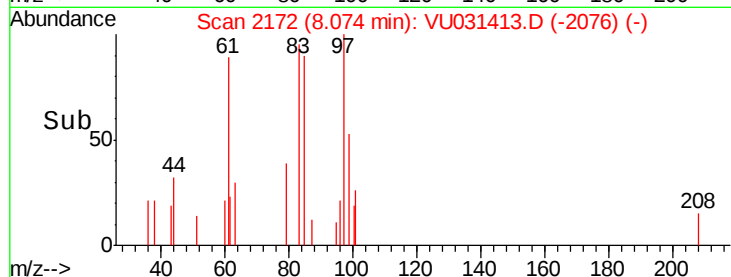
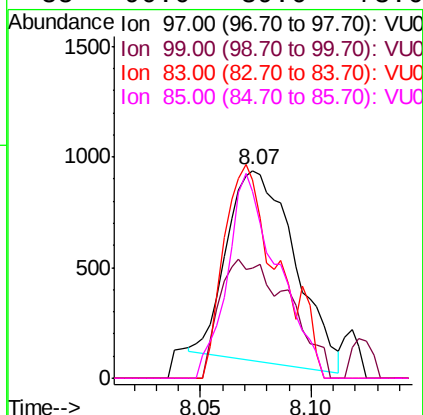
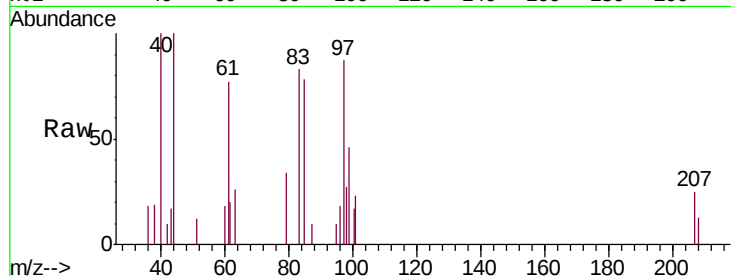




#45
 1,1,2-Trichloroethane
 Concen: 0.412 ug/L
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

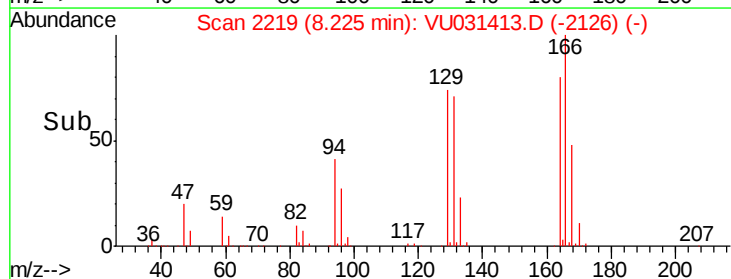
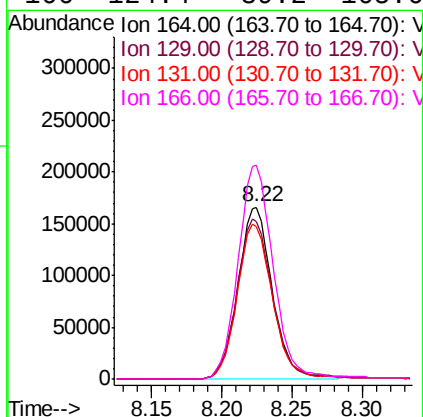
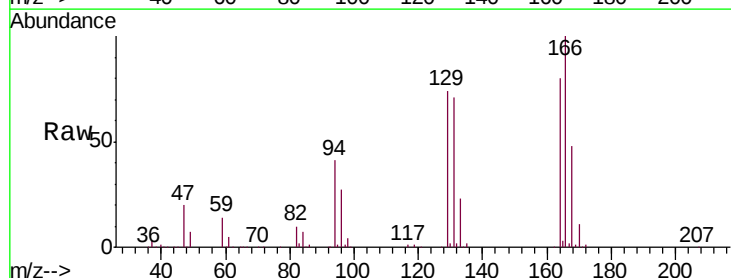
Instrument :
 MSVOA_U
 ClientSampleId :
 C0X64

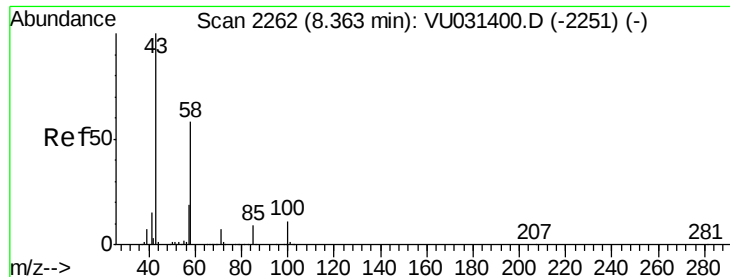
Tgt Ion:	97	Resp:	1841
Ion	Ratio	Lower	Upper
97	100		
99	53.3	44.9	83.3
83	95.4	62.5	116.1
85	90.0	39.6	73.6#



#46
 Tetrachloroethene
 Concen: 83.002 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

Tgt Ion:	164	Resp:	284939
Ion	Ratio	Lower	Upper
164	100		
129	92.0	65.2	121.0
131	88.7	61.4	114.0
166	124.4	89.2	165.6

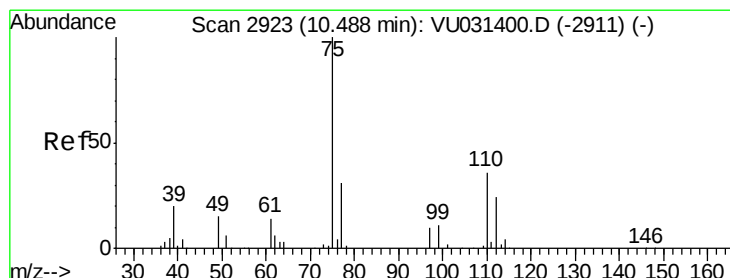
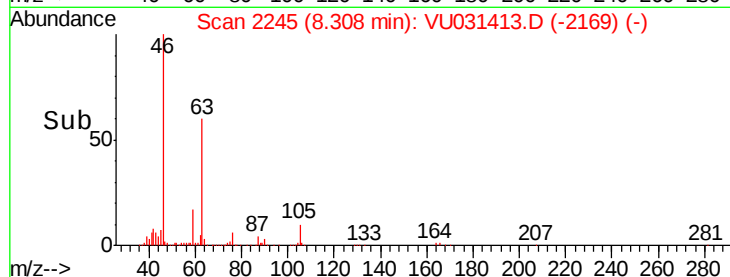
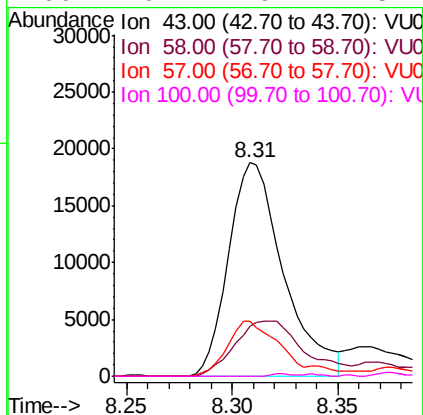
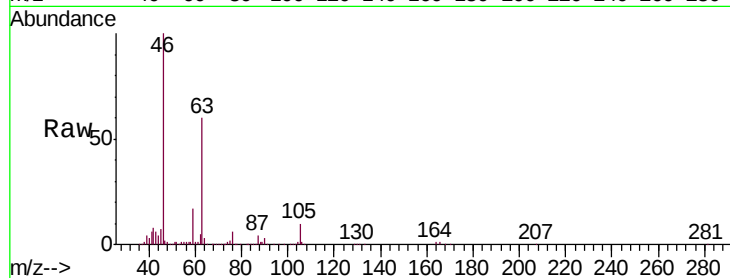




#48
 2-Hexanone
 Concen: 5.906 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

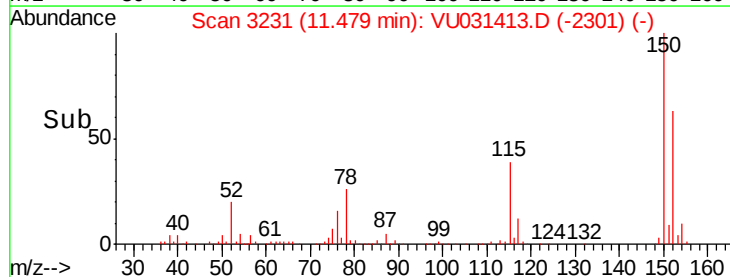
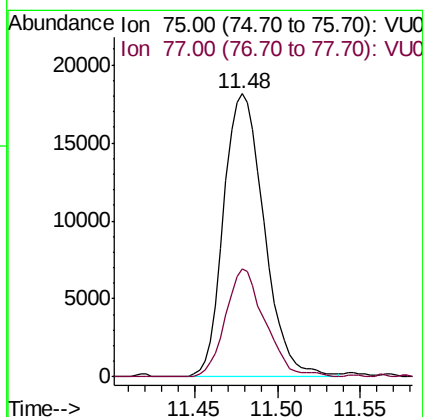
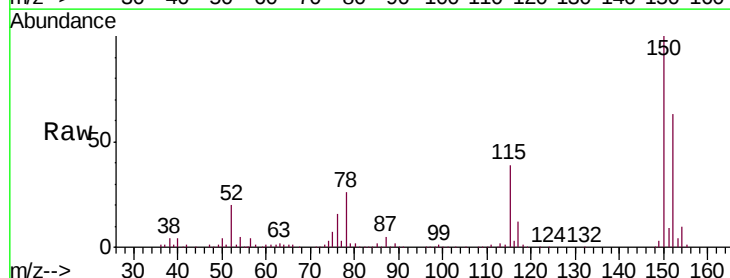
Instrument :
 MSVOA_U
 ClientSampleId :
 C0X64

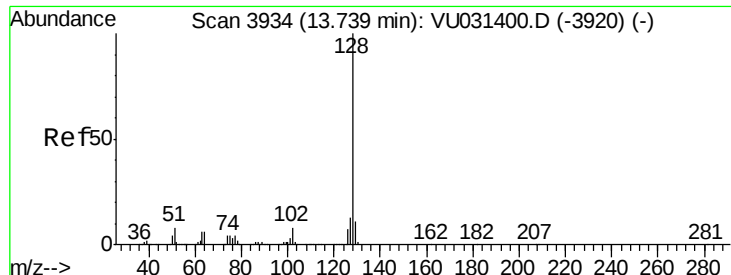
Tgt Ion: 43 Resp: 34090
 Ion Ratio Lower Upper
 43 100
 58 32.7 45.5 68.3#
 57 23.5 15.2 22.8#
 100 0.4 9.1 13.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.138 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031413.D
 Acq: 23 Apr 2019 00:25

Tgt Ion: 75 Resp: 30872
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.6 38.4





#69

Naphthalene

Concen: 0.568 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.03 min

Lab File: VU031413.D

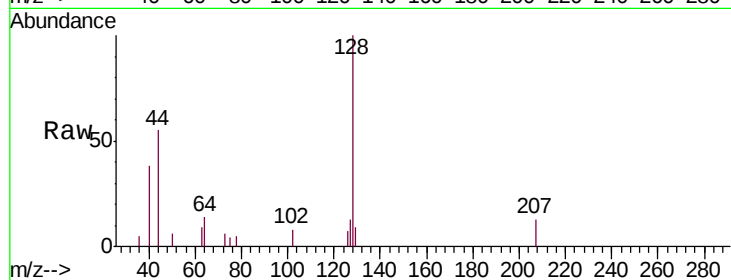
Acq: 23 Apr 2019 00:25

Instrument :

MSVOA_U

ClientSampleId :

C0X64



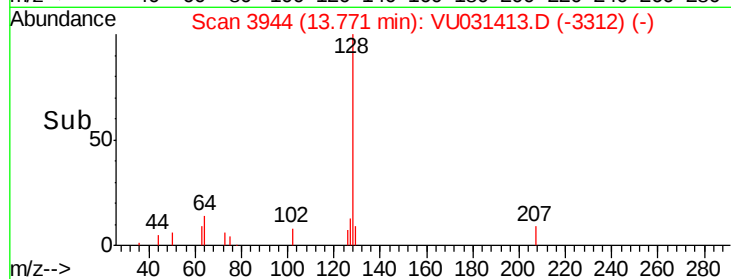
Tgt Ion:128 Resp: 9112

Ion Ratio Lower Upper

128 100

127 6.2 10.2 15.4#

129 3.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

