

Data File : VU030413.D
Acq On : 25 Mar 2019 19:30
Operator : JC/SP
Sample : K2016-09RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0986

Quant Time: Mar 26 01:31:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	453820	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	428551	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	196817	53.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.78%
7) Chloroethane-d5	1.68	69	152342	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.24%
11) 1,1-Dichloroethene-d2	2.42	63	195	0.03	ug/L	0.15
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
21) 2-Butanone-d5	4.17	46	312670	91.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.07%
24) Chloroform-d	4.64	84	307551	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
26) 1,2-Dichloroethane-d4	5.31	65	204732	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
32) Benzene-d6	5.34	84	629925	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
36) 1,2-Dichloropropane-d6	6.33	67	221877	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.56	98	547052	49.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.12%
43) trans-1,3-Dichloropropene-	7.85	79	94840	47.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.94%
47) 2-Hexanone-d5	8.31	63	206584	90.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283907	47.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	175881	50.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.88%

Target Compounds

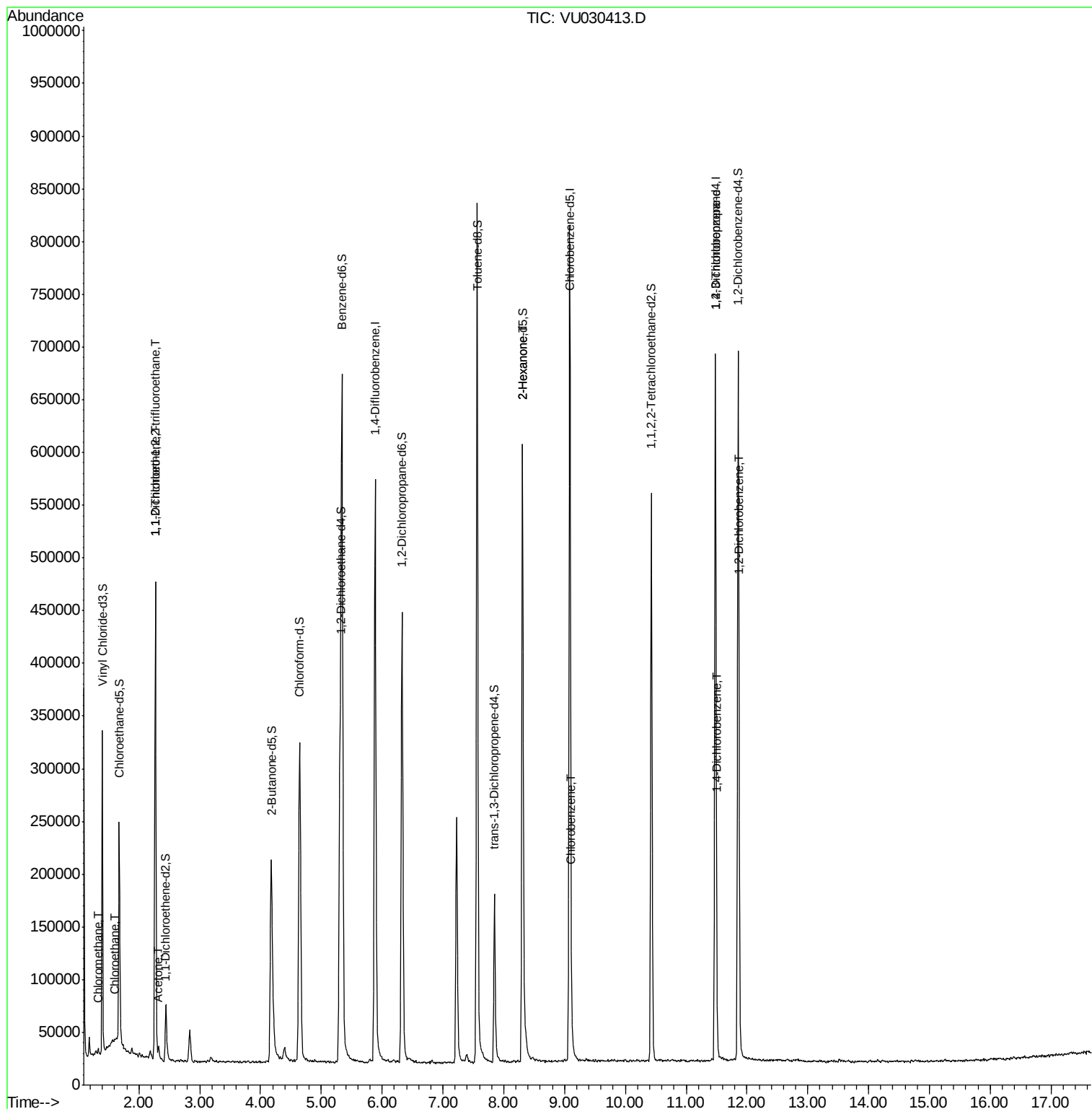
					Qvalue
3) Chloromethane	1.33	50	4301	0.768 ug/L	99
8) Chloroethane	1.59	64	4543	1.515 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2350	0.710 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1882	0.580 ug/L #	1
13) Acetone	2.32	43	8116	2.337 ug/L	100
48) 2-Hexanone	8.31	43	25056	4.396 ug/L #	70
51) Chlorobenzene	9.12	112	13920	1.517 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	24689	4.899 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	8097	1.396 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	10847	1.904 ug/L	98

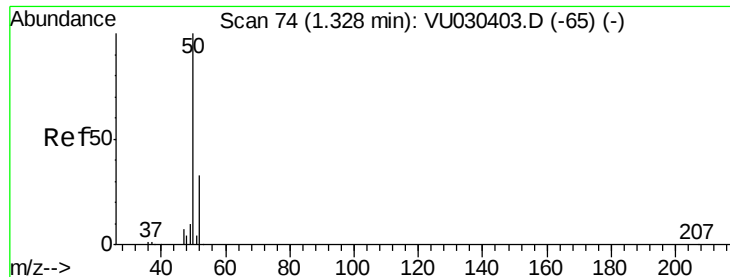
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.768 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_U

ClientSampleId :

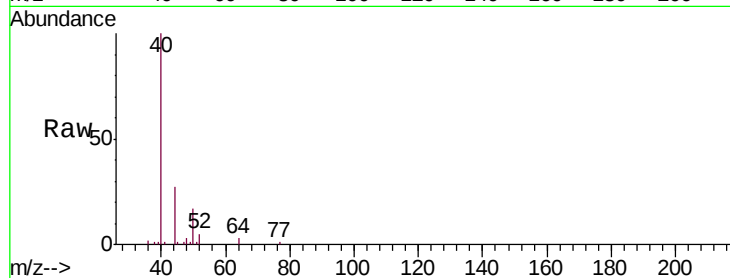
C0986

Tgt Ion: 50 Resp: 4301

Ion Ratio Lower Upper

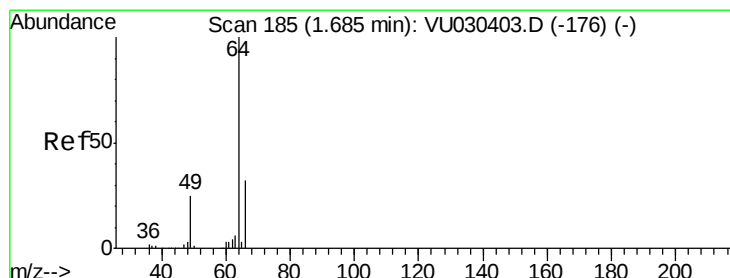
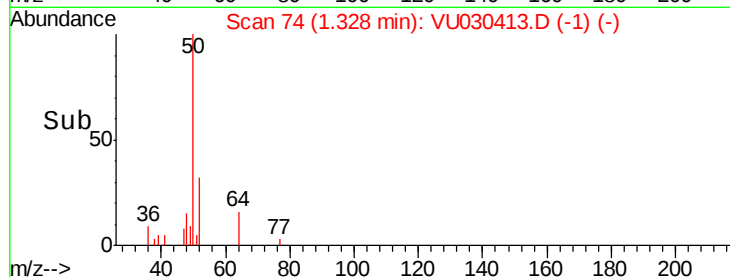
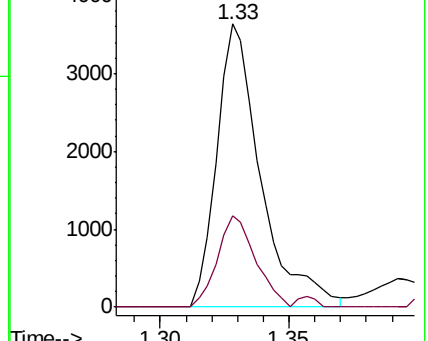
50 100

52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030413.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030413.D (-65) (-)



#8

Chloroethane

Concen: 1.515 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.09 min

Lab File: VU030413.D

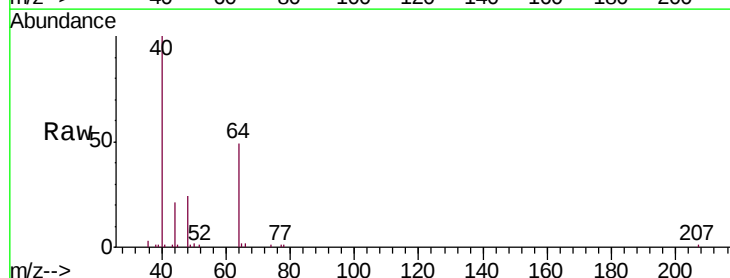
Acq: 25 Mar 2019 19:30

Tgt Ion: 64 Resp: 4543

Ion Ratio Lower Upper

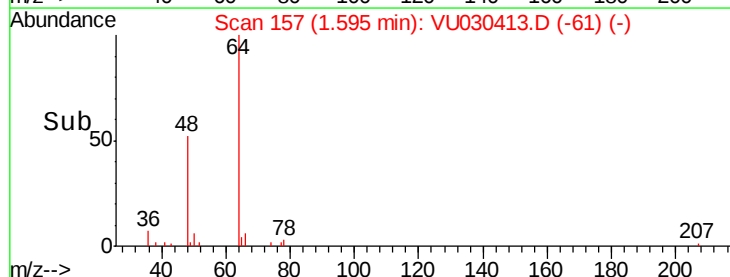
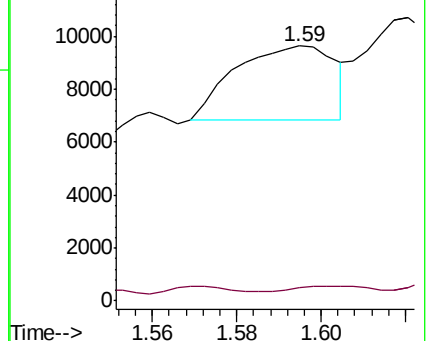
64 100

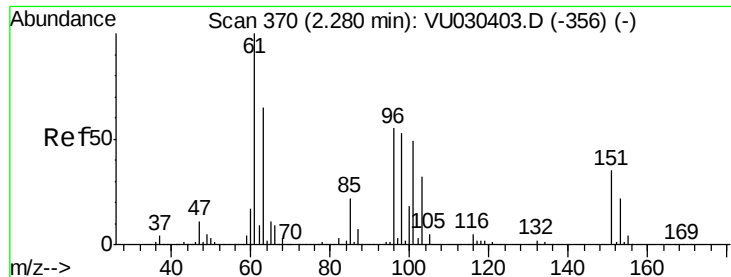
66 5.0 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU030413.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030413.D (-176) (-)





#10

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

Concen: 0.710 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_U

ClientSampleId :

C0986

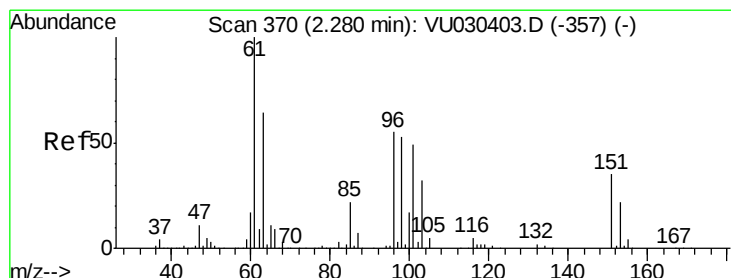
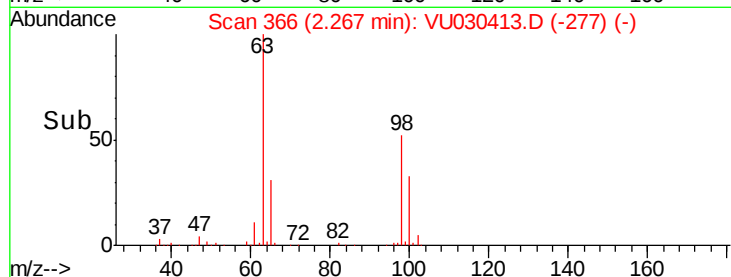
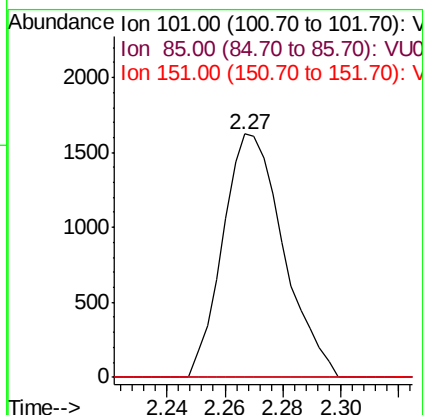
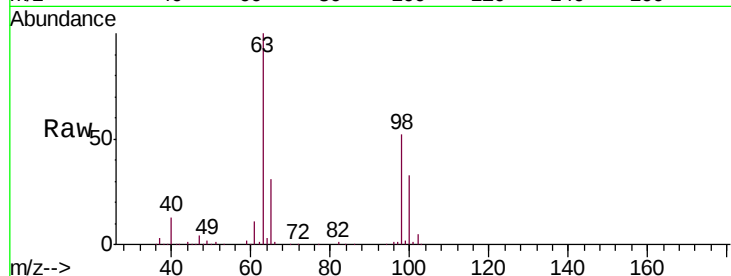
Tgt Ion: 101 Resp: 2350

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.580 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

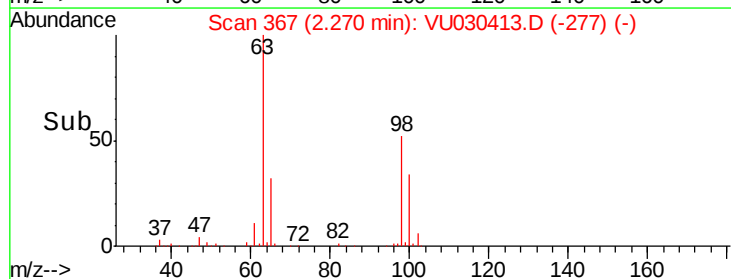
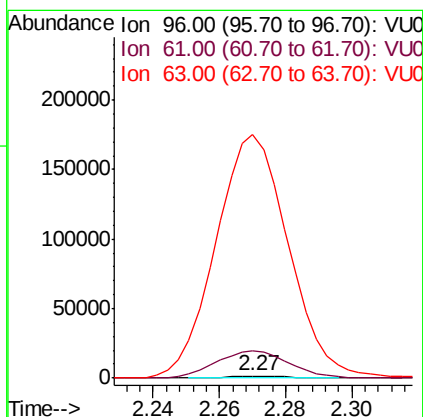
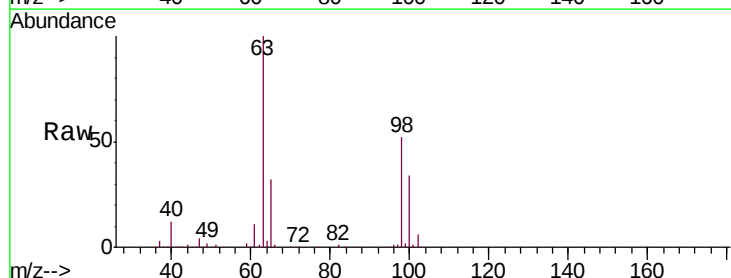
Tgt Ion: 96 Resp: 1882

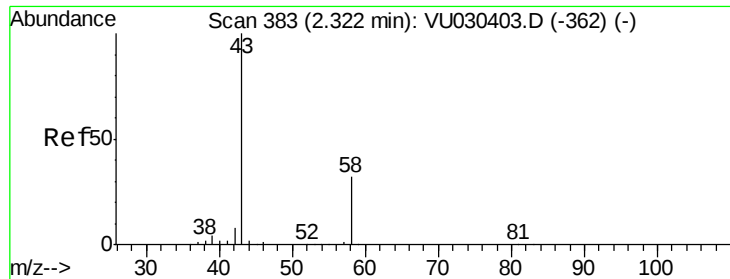
Ion Ratio Lower Upper

96 100

61 1431.8 131.0 243.4#

63 12832.8 92.4 171.6#





#13

Acetone

Concen: 2.337 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_U

ClientSampled :

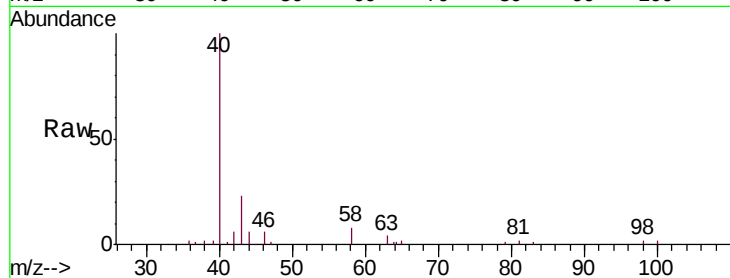
C0986

Tgt Ion: 43 Resp: 8116

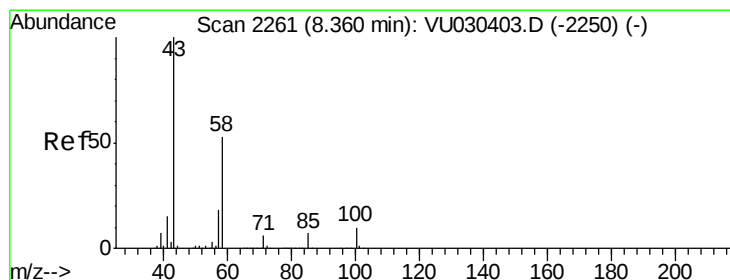
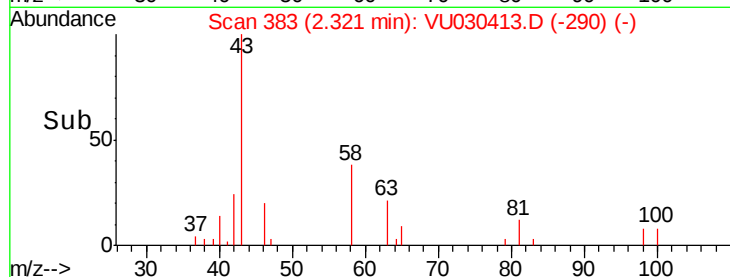
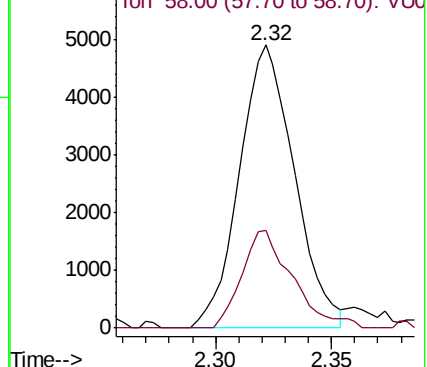
Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030413.D (-290) (-)



#48

2-Hexanone

Concen: 4.396 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

Tgt Ion: 43 Resp: 25056

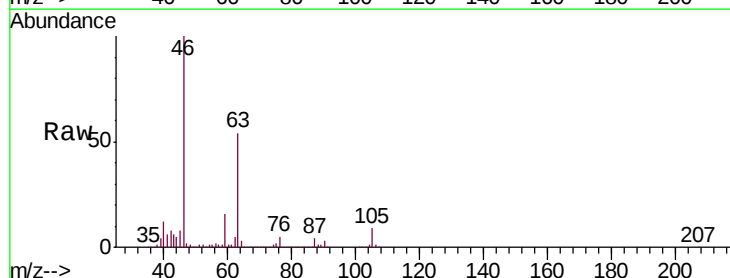
Ion Ratio Lower Upper

43 100

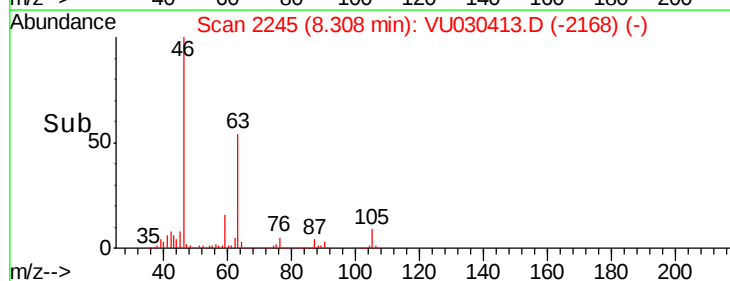
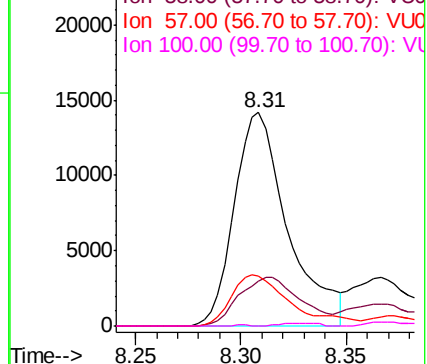
58 26.4 42.5 63.7#

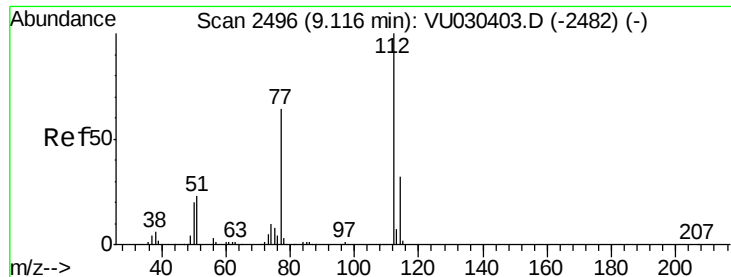
57 23.9 15.0 22.6#

100 0.2 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU030413.D (-2168) (-)





#51

Chlorobenzene

Concen: 1.517 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030413.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA_U

ClientSampleId :

C0986

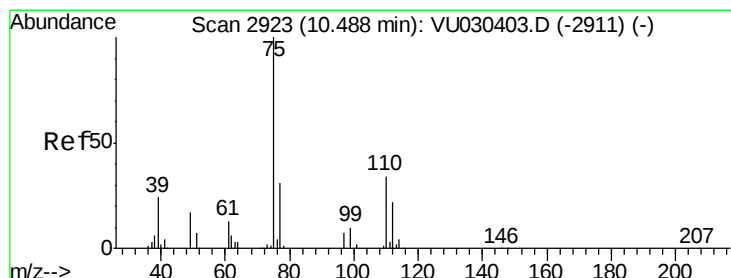
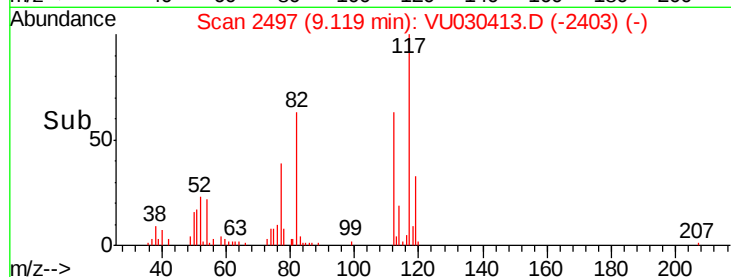
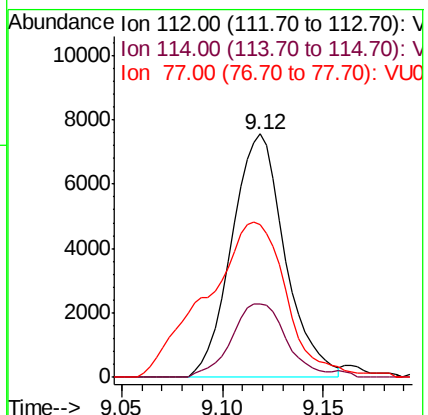
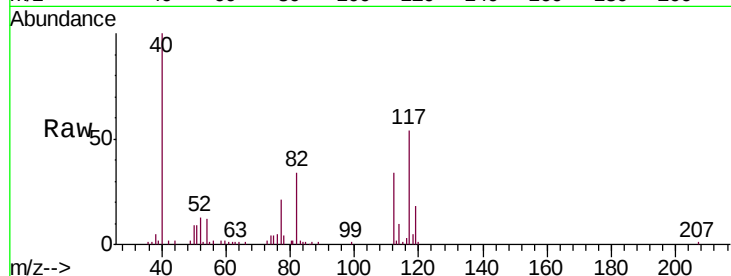
Tgt Ion: 112 Resp: 13920

Ion Ratio Lower Upper

112 100

114 30.3 21.5 39.9

77 62.6 51.4 77.0



#59

1,2,3-Trichloropropane

Concen: 4.899 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030413.D

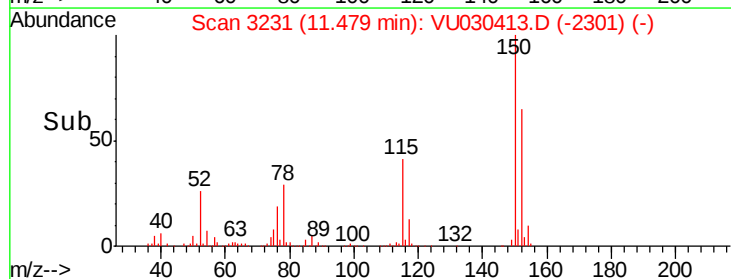
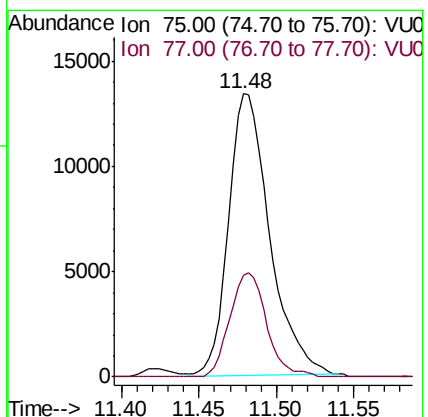
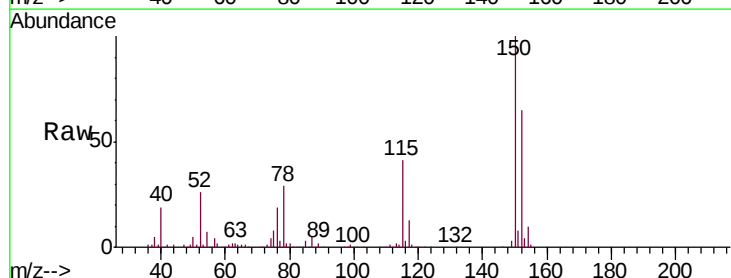
Acq: 25 Mar 2019 19:30

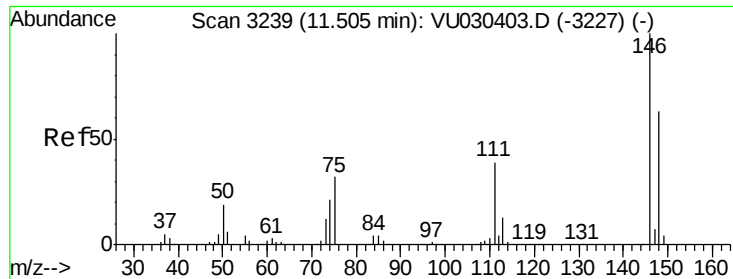
Tgt Ion: 75 Resp: 24689

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2

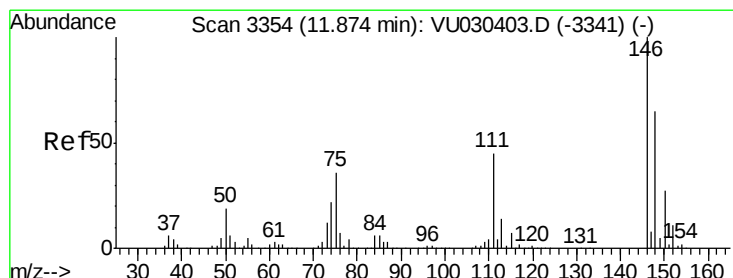
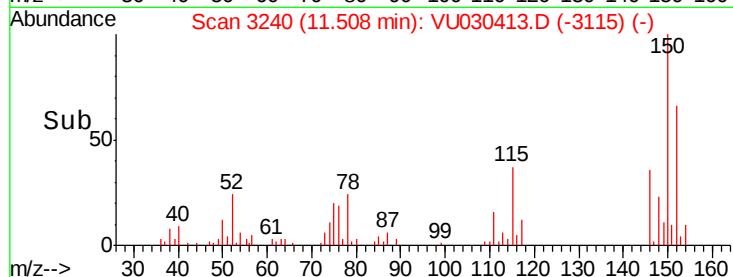
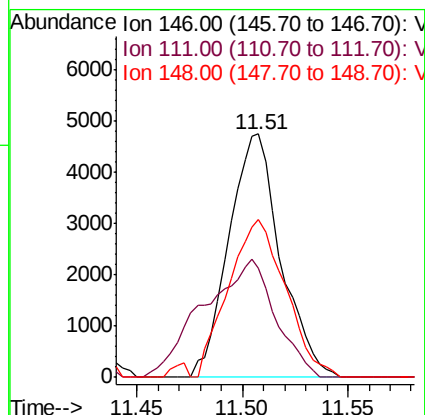
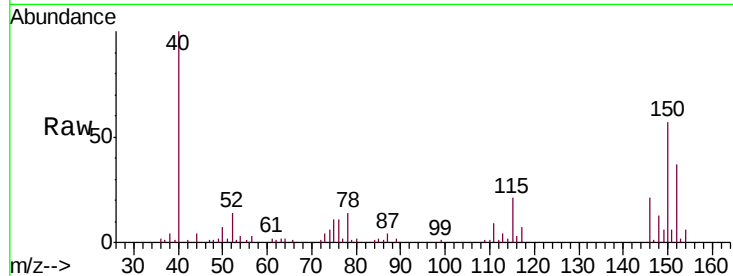




#63
 1,4-Dichlorobenzene
 Concen: 1.396 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030413.D
 Acq: 25 Mar 2019 19:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0986

Tgt Ion:146 Resp: 8097
 Ion Ratio Lower Upper
 146 100
 111 44.8 28.7 53.3
 148 64.8 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 1.904 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030413.D
 Acq: 25 Mar 2019 19:30

Tgt Ion:146 Resp: 10847
 Ion Ratio Lower Upper
 146 100
 111 46.1 34.9 52.3
 148 63.1 51.2 76.8

