

Data File : VU030412.D
Acq On : 25 Mar 2019 19:06
Operator : JC/SP
Sample : K2016-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0981

Quant Time: Mar 26 01:30:14 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	467227	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	436718	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	197276	52.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.92%
7) Chloroethane-d5	1.68	69	153565	51.52	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.04%
11) 1,1-Dichloroethene-d2	2.27	63	266543	37.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.74%
21) 2-Butanone-d5	4.17	46	314084	88.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.86%
24) Chloroform-d	4.64	84	306420	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.31	65	204945	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
32) Benzene-d6	5.34	84	624093	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.33	67	225399	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.56	98	549646	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	93772	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
47) 2-Hexanone-d5	8.31	63	206212	88.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.81%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283527	46.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	174298	49.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.86%

Target Compounds

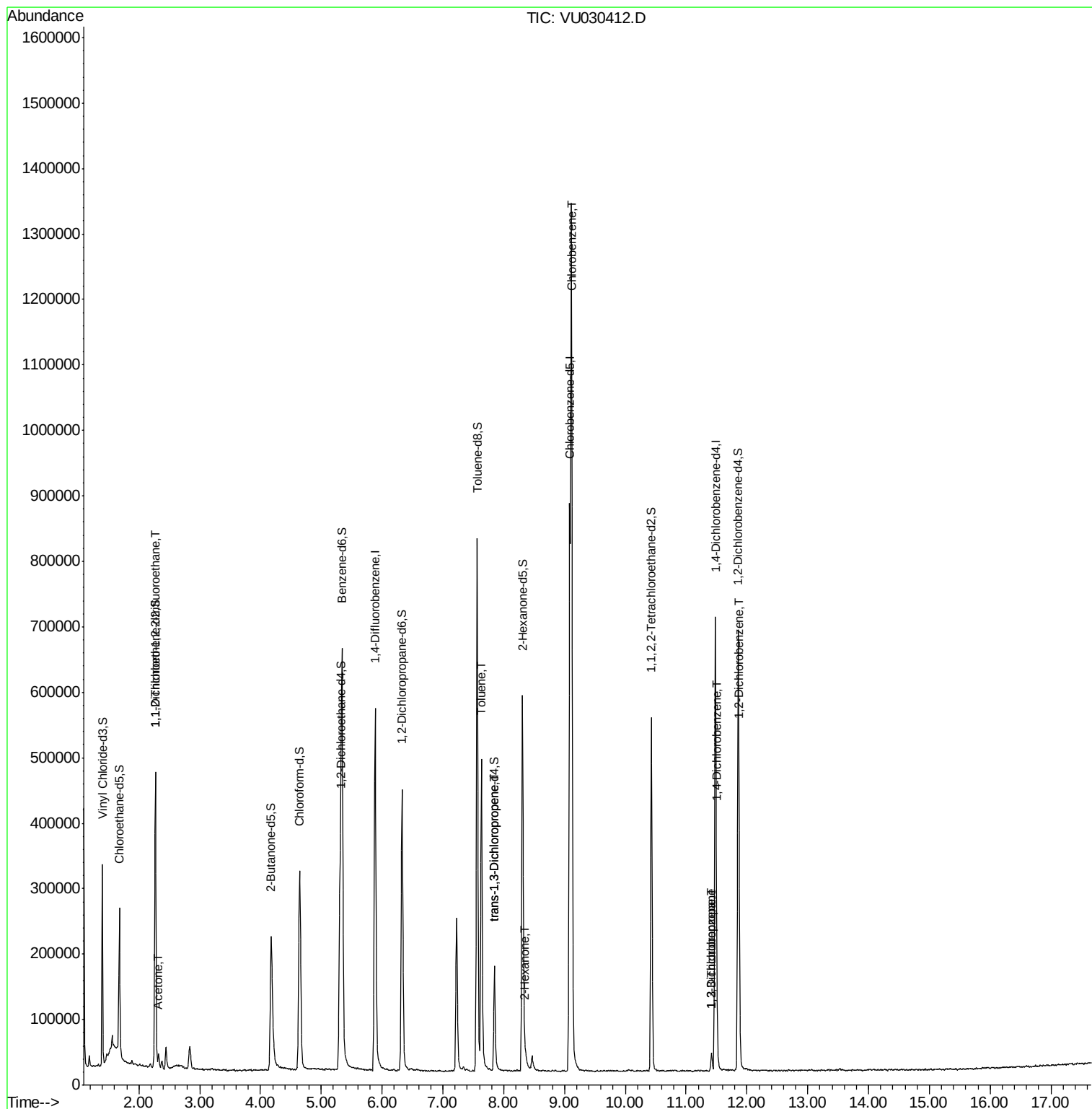
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2260	0.663 ug/L #	21
13) Acetone	2.32	43	19621	5.489 ug/L	99
42) Toluene	7.63	91	351143	22.759 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3806	0.713 ug/L #	72
48) 2-Hexanone	8.36	43	5703	0.982 ug/L #	89
51) Chlorobenzene	9.12	112	676137	72.308 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	3829	0.746 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	11033	1.917 ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	34958	5.900 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31831	5.470 ug/L	98

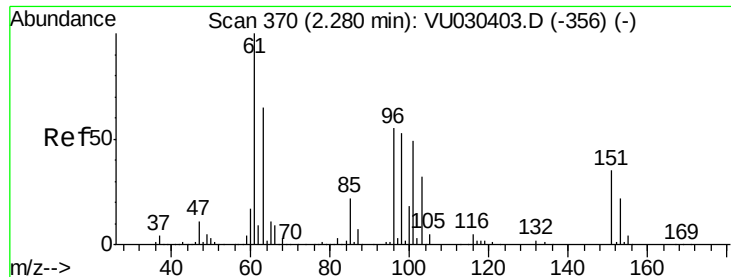
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.663 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

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ClientSampleId :

C0981

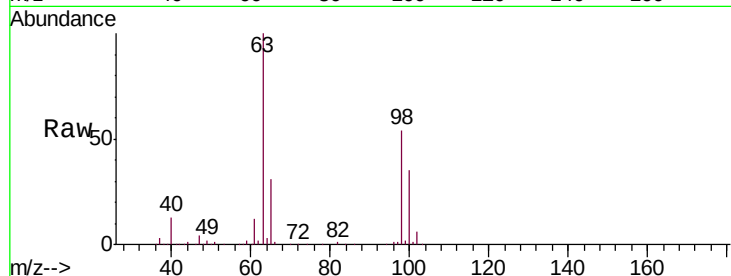
Tgt Ion:101 Resp: 2260

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

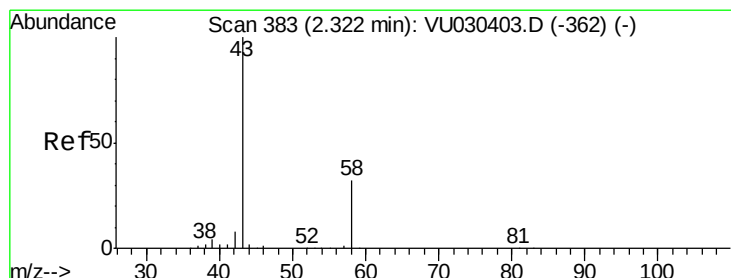
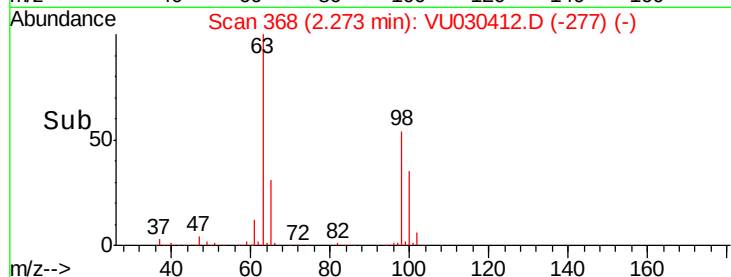
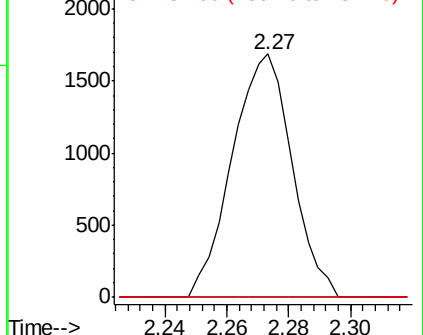
151 0.0 56.6 85.0#



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



#13

Acetone

Concen: 5.489 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030412.D

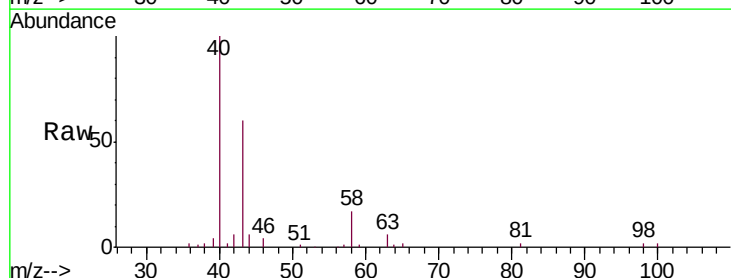
Acq: 25 Mar 2019 19:06

Tgt Ion: 43 Resp: 19621

Ion Ratio Lower Upper

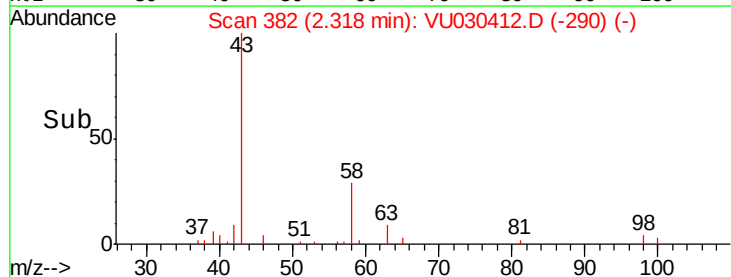
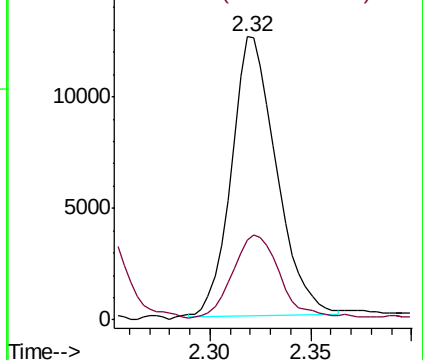
43 100

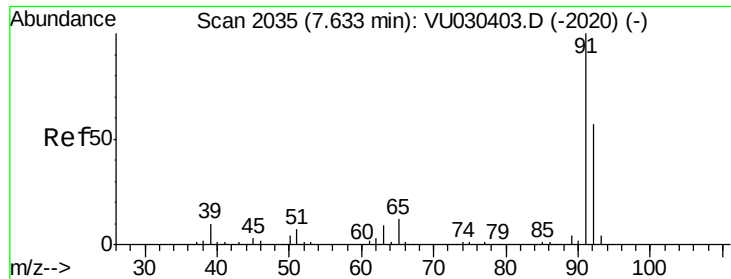
58 30.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#42

Toluene

Concen: 22.759 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampleId :

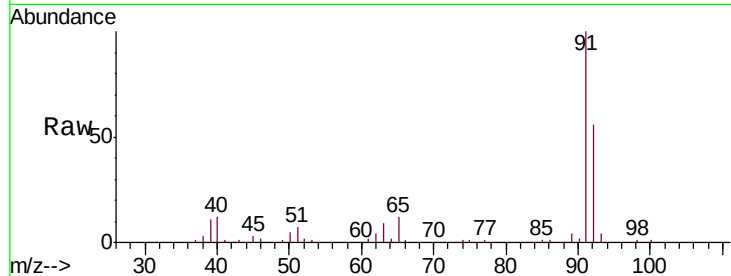
C0981

Tgt Ion: 91 Resp: 351143

Ion Ratio Lower Upper

91 100

92 56.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030412.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU030412.D (-1942) (-)

7.63

200000

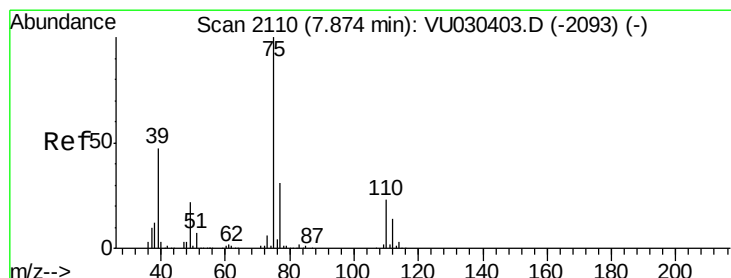
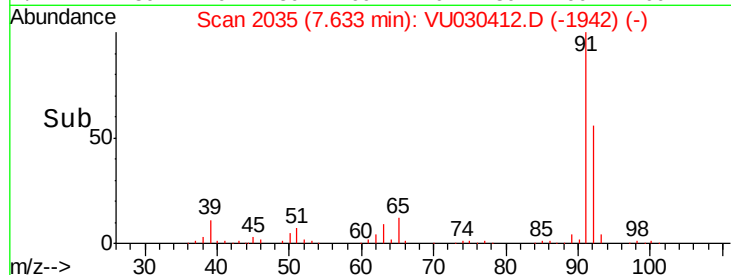
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.713 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030412.D

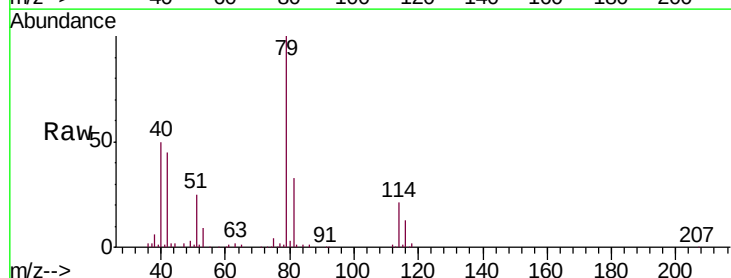
Acq: 25 Mar 2019 19:06

Tgt Ion: 75 Resp: 3806

Ion Ratio Lower Upper

75 100

77 46.9 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VU030412.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU030412.D (-2017) (-)

7.85

2000

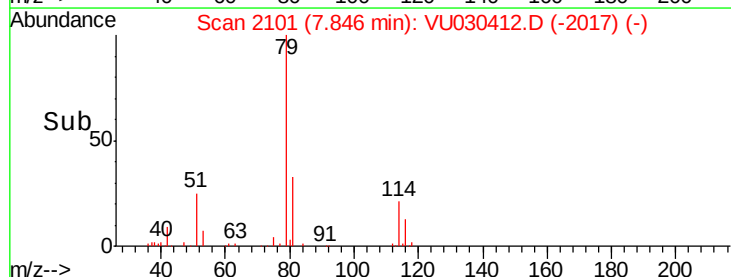
1500

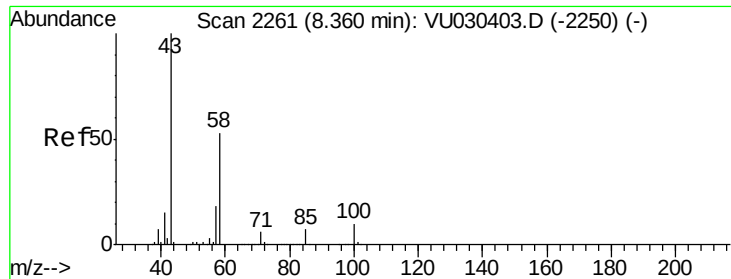
1000

500

0

Time-->

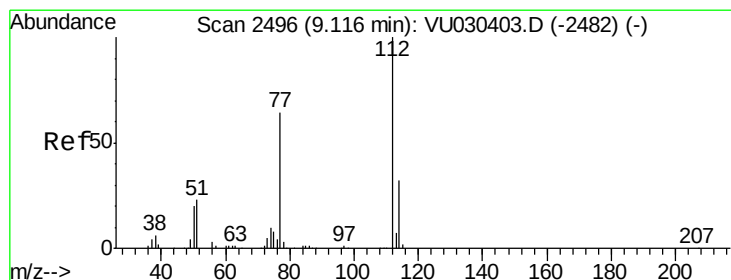
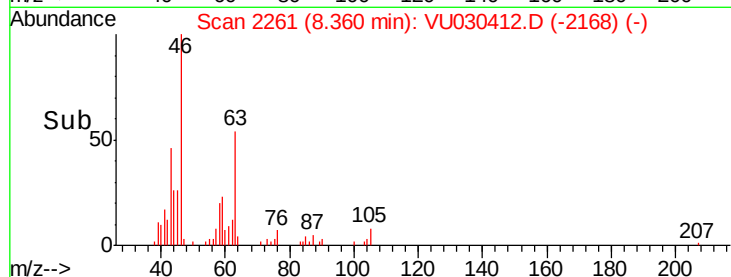
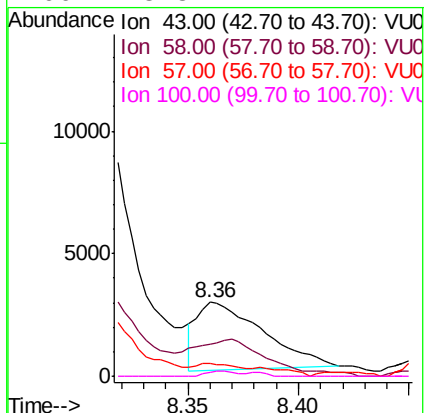
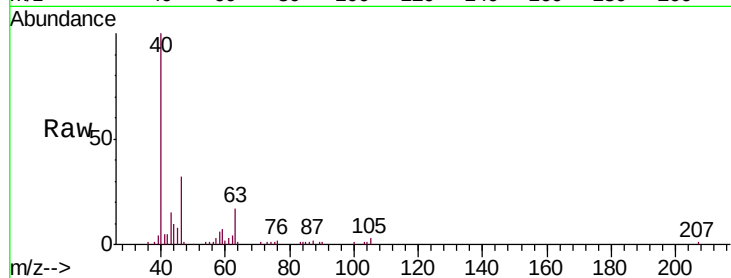




#48
2-Hexanone
Concen: 0.982 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030412.D
Acq: 25 Mar 2019 19:06

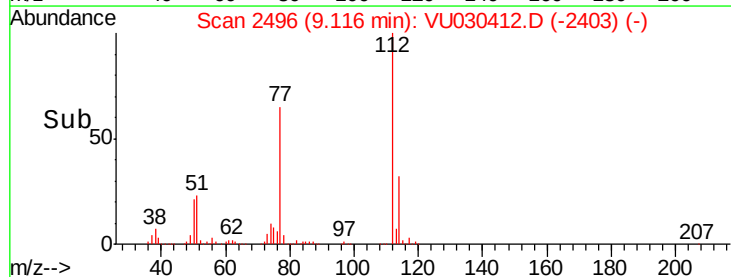
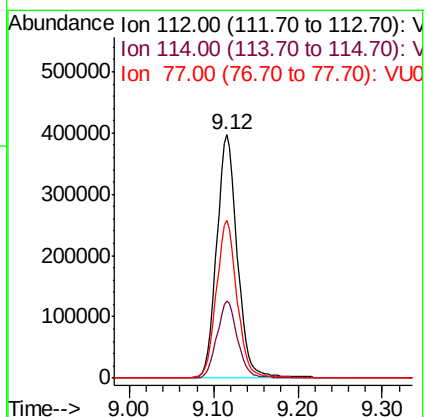
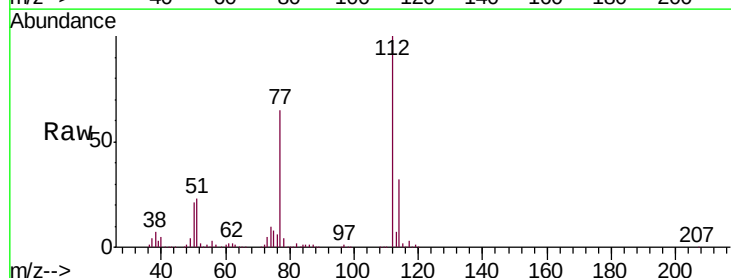
Instrument :
MSVOA_U
ClientSampled :
C0981

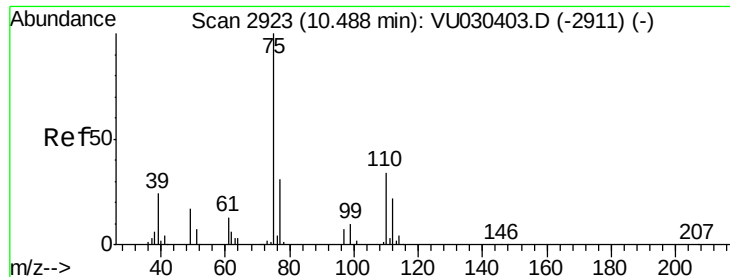
Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
58 50.9 42.5 63.7
57 4.3 15.0 22.6#
100 3.8 7.4 11.2#



#51
Chlorobenzene
Concen: 72.308 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030412.D
Acq: 25 Mar 2019 19:06

Tgt Ion: 112 Resp: 676137
Ion Ratio Lower Upper
112 100
114 31.8 21.5 39.9
77 64.9 51.4 77.0





#59

1,2,3-Trichloropropane

Concen: 0.746 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.93 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampled :

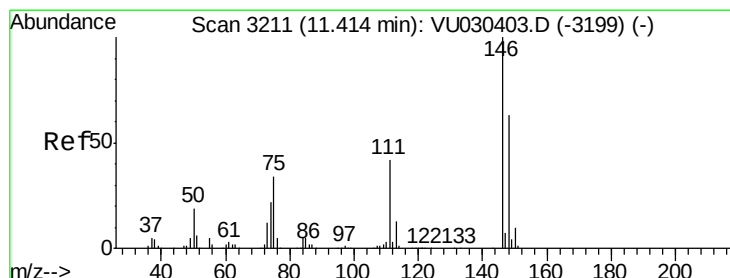
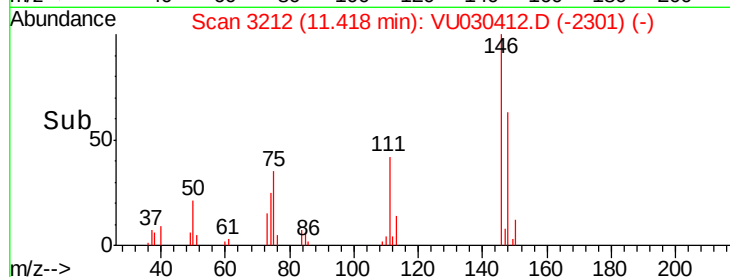
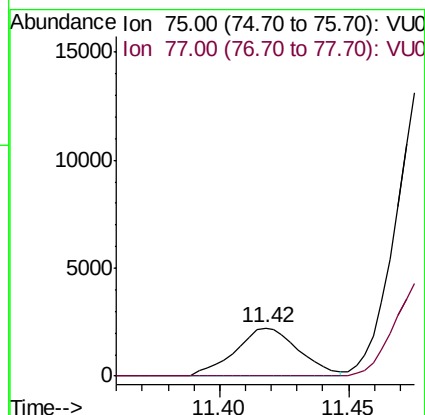
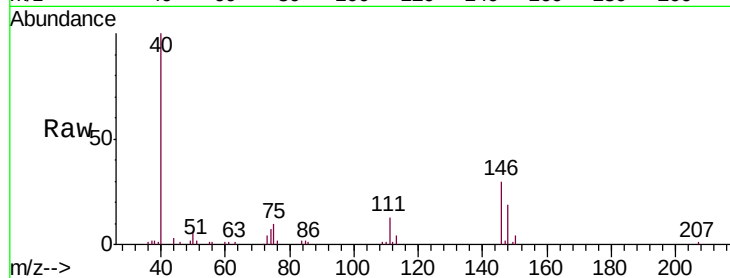
C0981

Tgt Ion: 75 Resp: 3829

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#62

1,3-Dichlorobenzene

Concen: 1.917 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

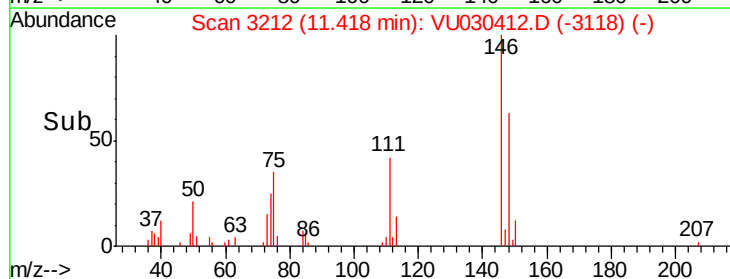
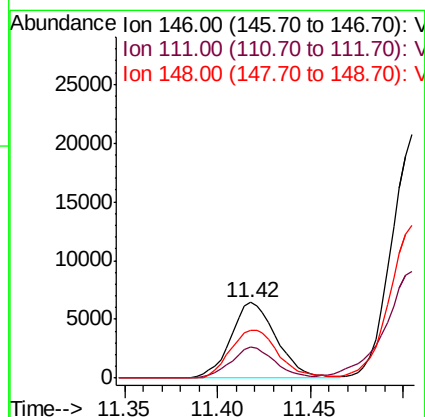
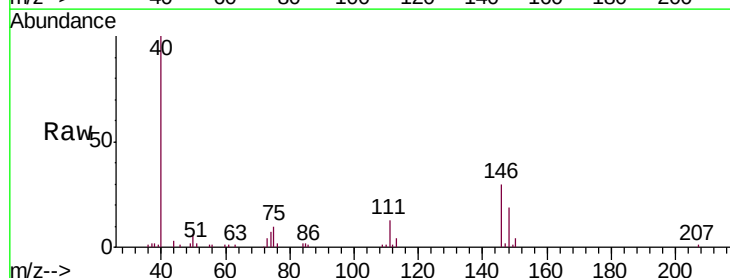
Tgt Ion: 146 Resp: 11033

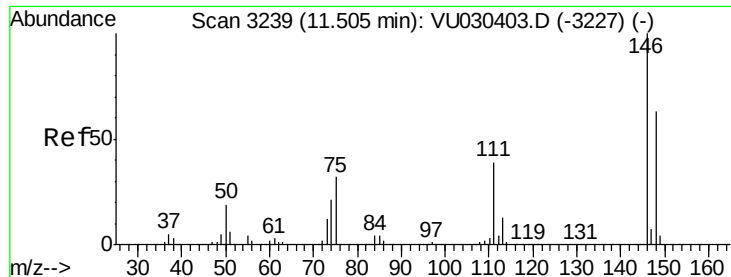
Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

148 63.1 44.4 82.4





#63

1,4-Dichlorobenzene

Concen: 5.900 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

Instrument :

MSVOA_U

ClientSampled :

C0981

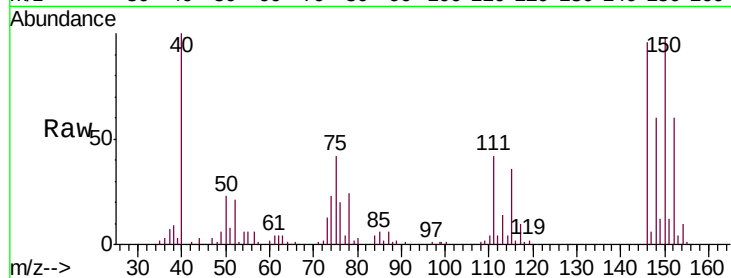
Tgt Ion:146 Resp: 34958

Ion Ratio Lower Upper

146 100

111 43.6 28.7 53.3

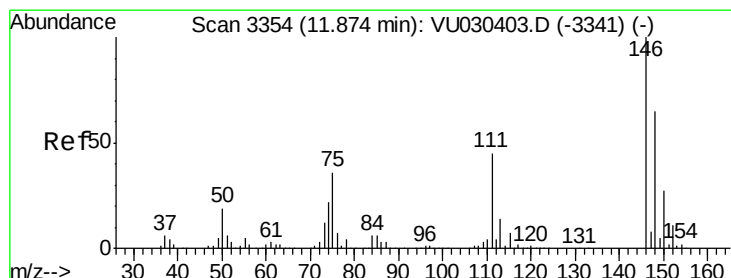
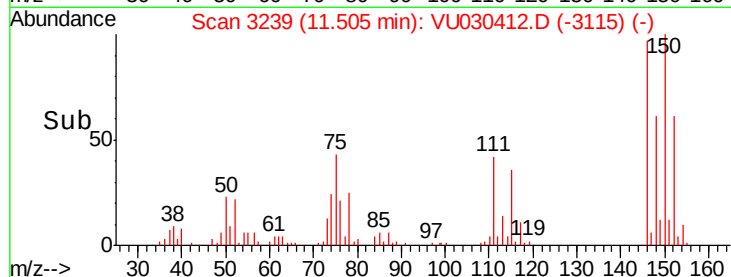
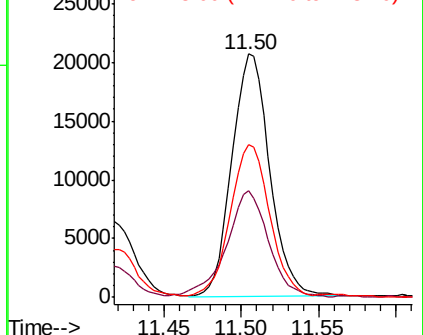
148 62.8 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 5.470 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030412.D

Acq: 25 Mar 2019 19:06

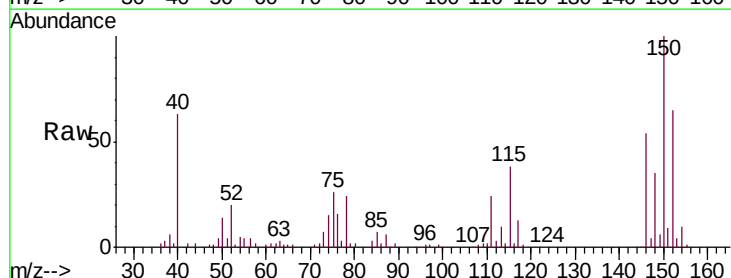
Tgt Ion:146 Resp: 31831

Ion Ratio Lower Upper

146 100

111 44.8 34.9 52.3

148 65.8 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

