

Data File : VU030237.D
Acq On : 20 Mar 2019 20:55
Operator : JC/SP
Sample : K2022-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0965

Quant Time: Mar 22 01:32:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	539705	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	516171	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156946	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.68	69	129576	44.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	216576	32.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.06%
21) 2-Butanone-d5	4.17	46	256599	94.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.78%
24) Chloroform-d	4.65	84	308580	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
26) 1,2-Dichloroethane-d4	5.31	65	183776	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.34	84	657271	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	6.33	67	208301	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.98%
41) Toluene-d8	7.56	98	581575	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%
43) trans-1,3-Dichloropropene-	7.85	79	92493	45.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.26%
47) 2-Hexanone-d5	8.31	63	215475	98.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315223	48.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	242890	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2348	0.648 ug/L #	19
12) 1,1-Dichloroethene	2.27	96	2154	0.598 ug/L #	1
13) Acetone	2.32	43	3492	1.234 ug/L	93
18) Methyl tert-butyl Ether	3.00	73	8149	0.747 ug/L #	95
25) Chloroform	4.67	83	25325	3.724 ug/L	97
33) Benzene	5.39	78	12765	0.857 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3304	0.624 ug/L	94
48) 2-Hexanone	8.37	43	4782	1.099 ug/L #	89
51) Chlorobenzene	9.12	112	39891	3.720 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	15040	1.930 ug/L	91
63) 1,4-Dichlorobenzene	11.50	146	78799	9.748 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	77479	9.731 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	23035	3.782 ug/L	91
68) 1,2,4-trichlorobenzene	13.50	180	23035	4.277 ug/L	90
70) 1,2,3-Trichlorobenzene	13.99	180	14304	2.545 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

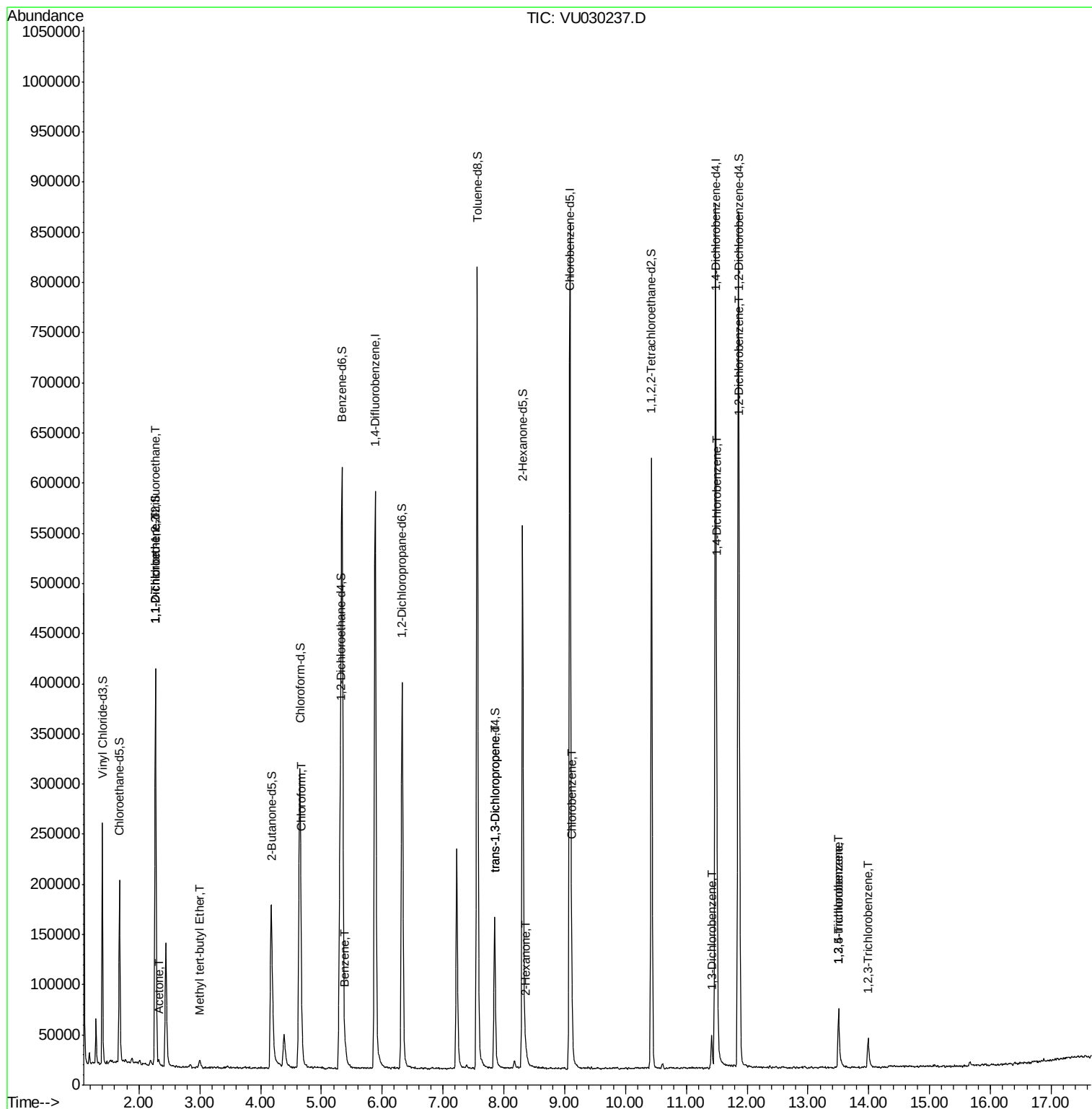
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

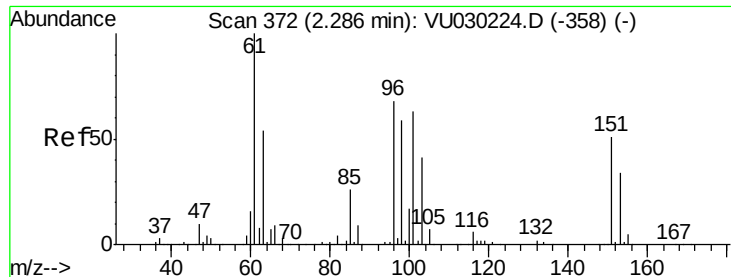
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.648 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

Instrument :

MSVOA_U

ClientSampleId :

C0965

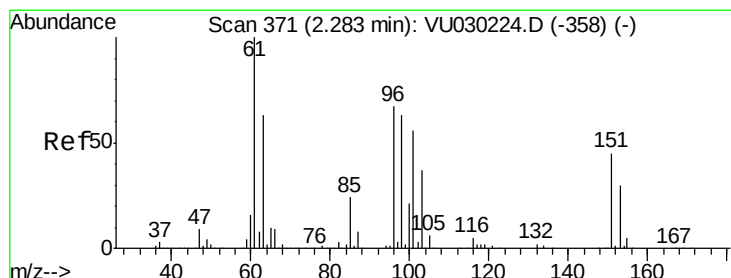
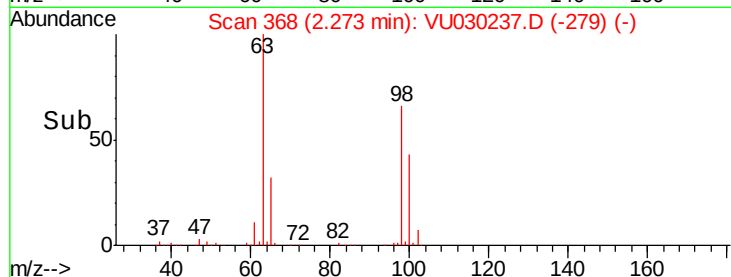
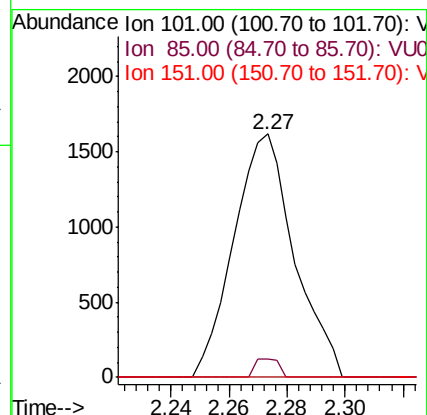
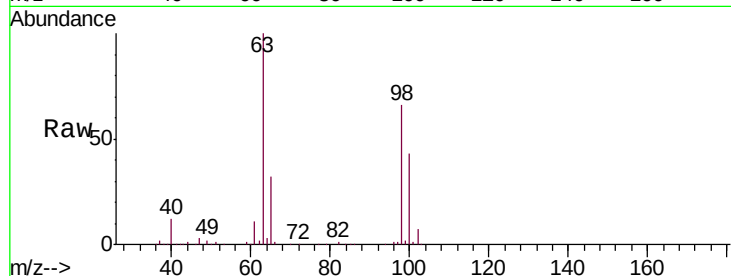
Tgt Ion: 101 Resp: 2348

Ion Ratio Lower Upper

101 100

85 2.9 32.5 48.7#

151 0.0 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 0.598 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

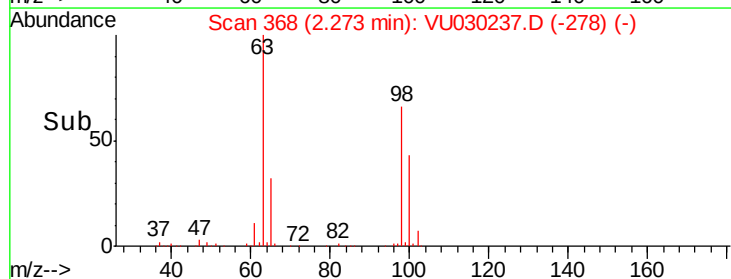
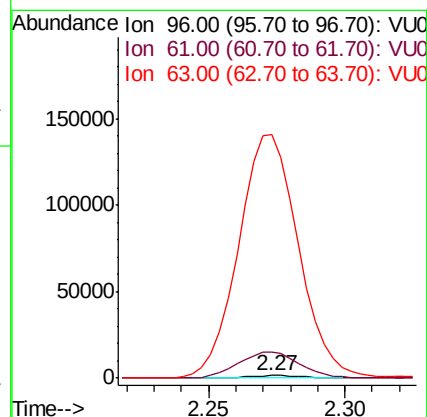
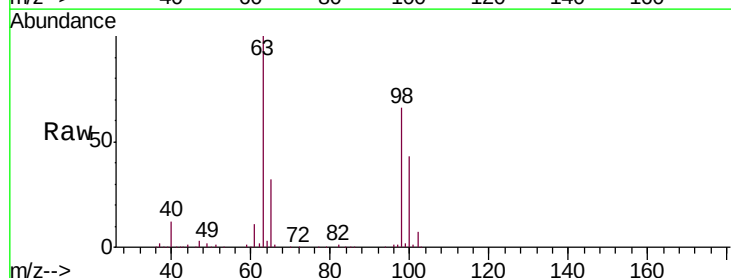
Tgt Ion: 96 Resp: 2154

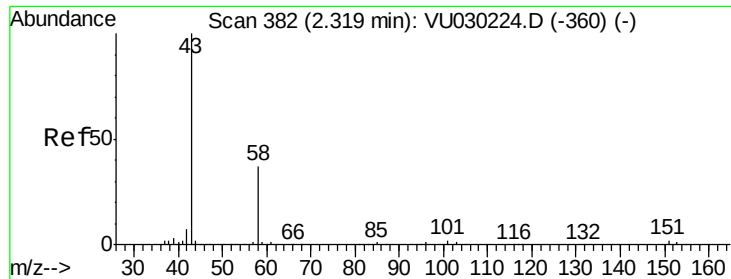
Ion Ratio Lower Upper

96 100

61 1031.5 104.6 194.2#

63 9507.1 77.2 143.4#





#13

Acetone

Concen: 1.234 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

Instrument :

MSVOA_U

ClientSampleId :

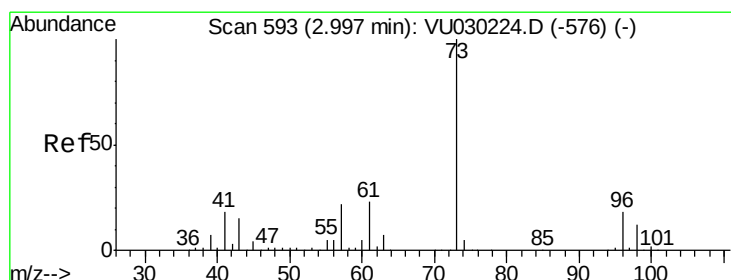
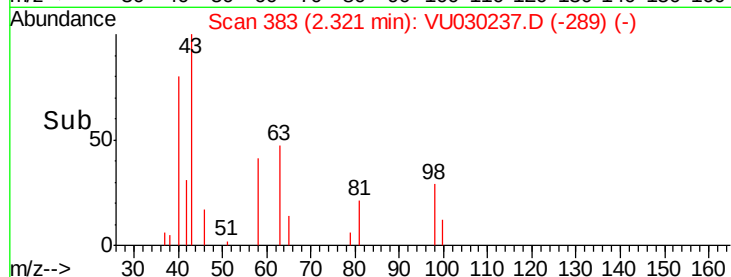
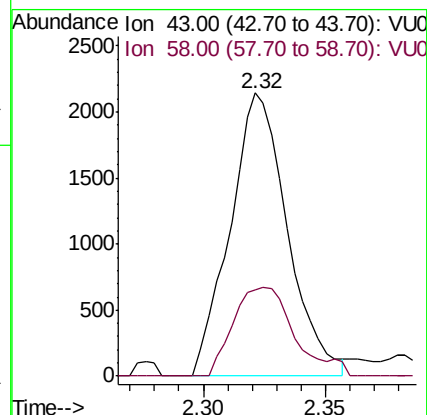
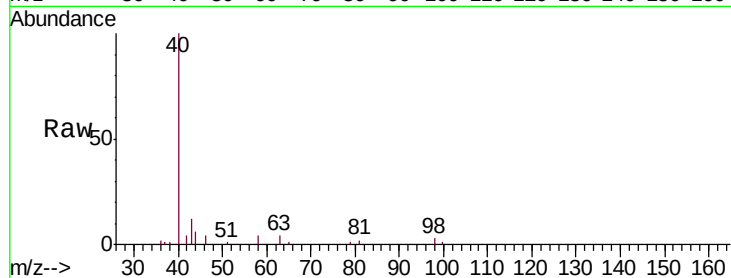
C0965

Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

43 100

58 32.3 0.0 73.4



#18

Methyl tert-butyl Ether

Concen: 0.747 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

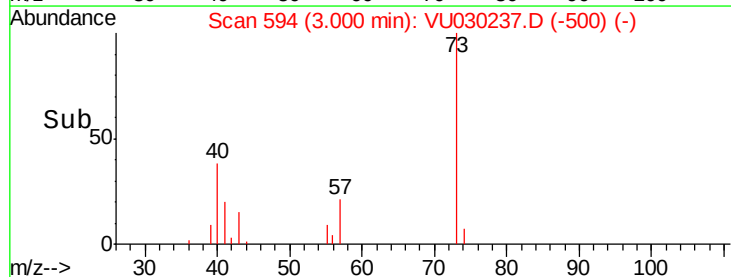
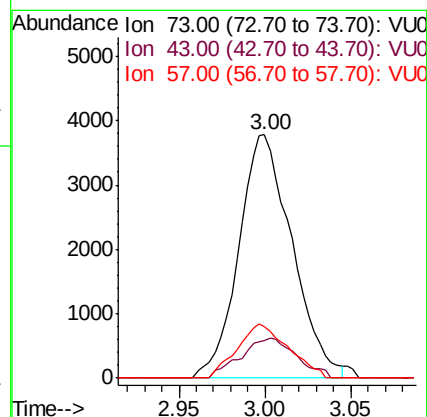
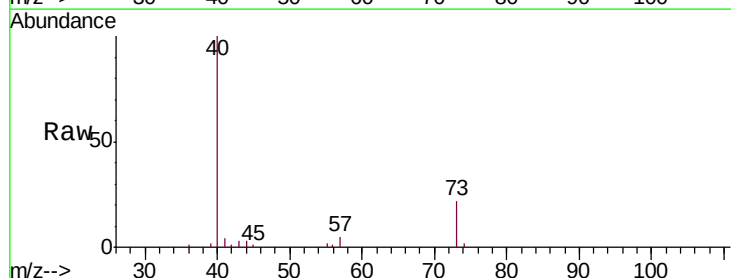
Tgt Ion: 73 Resp: 8149

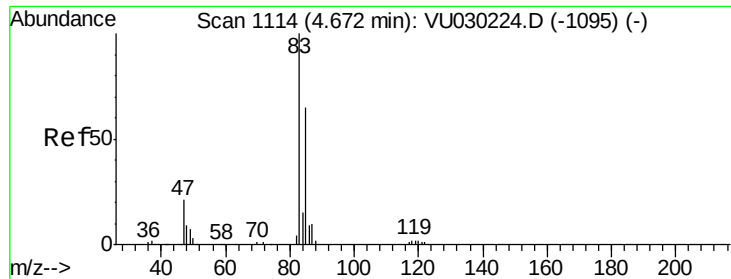
Ion Ratio Lower Upper

73 100

43 11.1 13.1 19.7#

57 21.3 17.1 25.7

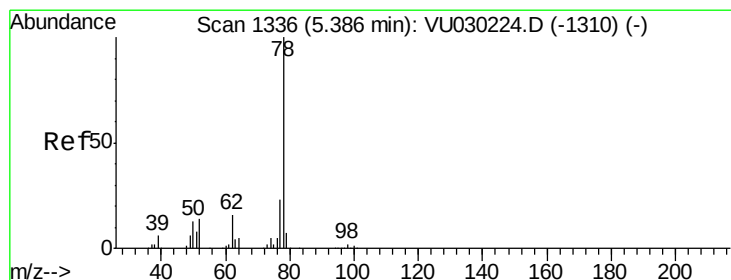
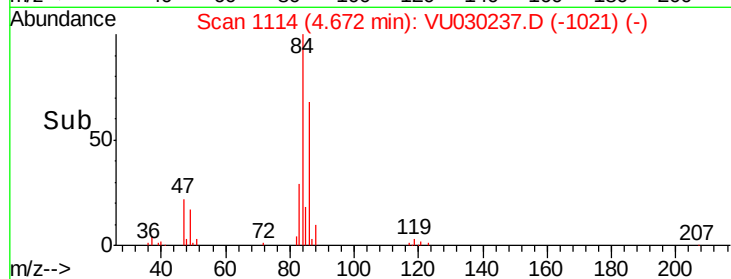
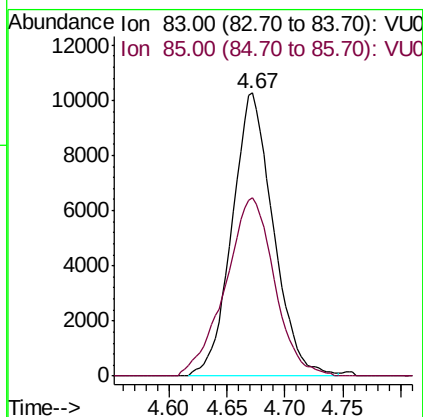
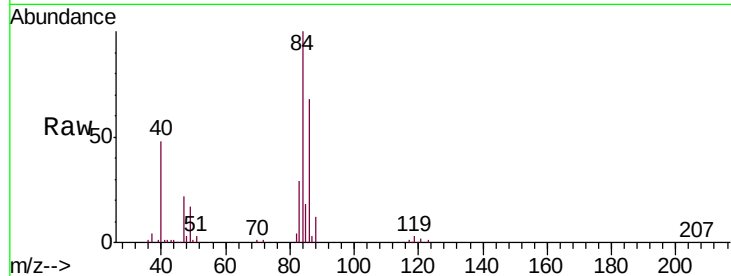




#25
Chloroform
Concen: 3.724 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU030237.D
Acq: 20 Mar 2019 20:55

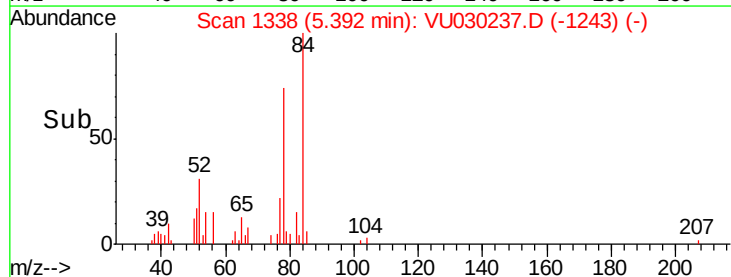
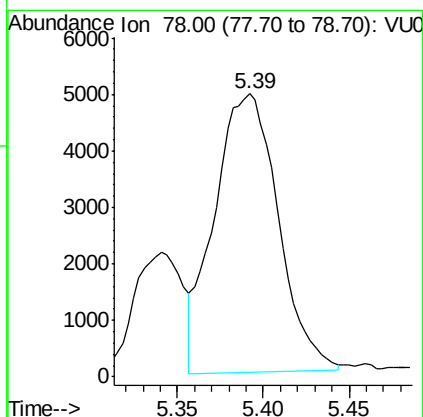
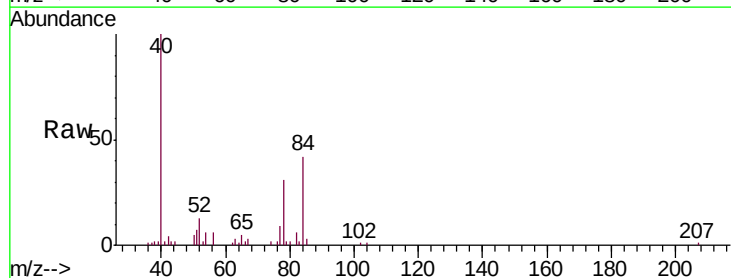
Instrument :
MSVOA_U
ClientSampleId :
C0965

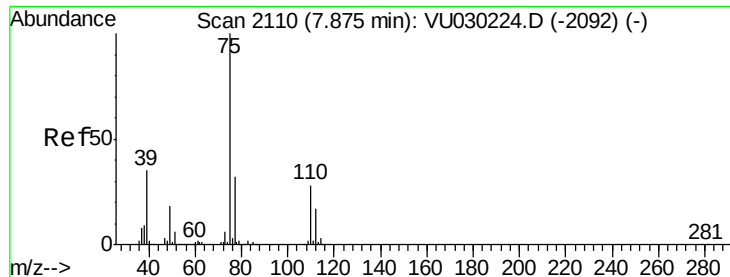
Tgt Ion: 83 Resp: 25325
Ion Ratio Lower Upper
83 100
85 63.1 45.8 85.2



#33
Benzene
Concen: 0.857 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU030237.D
Acq: 20 Mar 2019 20:55

Tgt Ion: 78 Resp: 12765





#44

trans-1,3-Dichloropropene

Concen: 0.624 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

Instrument :

MSVOA_U

ClientSampleId :

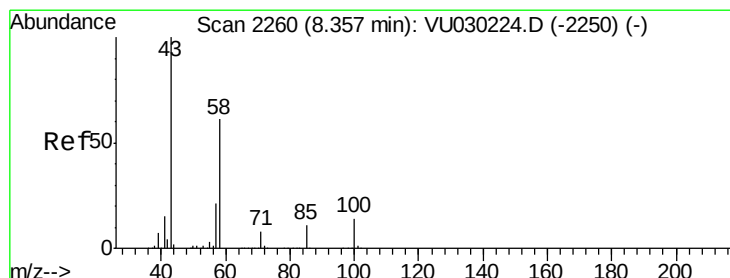
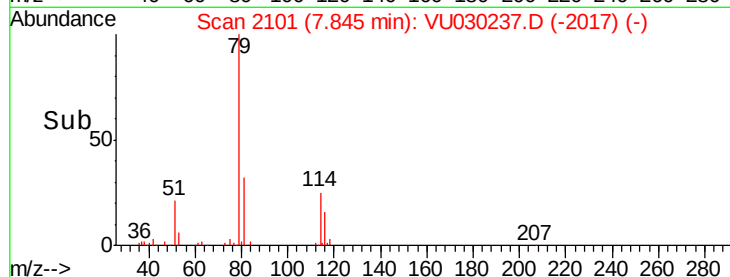
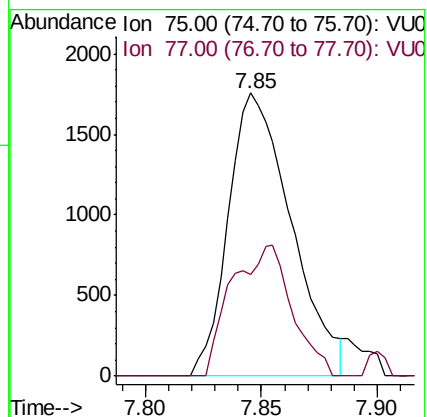
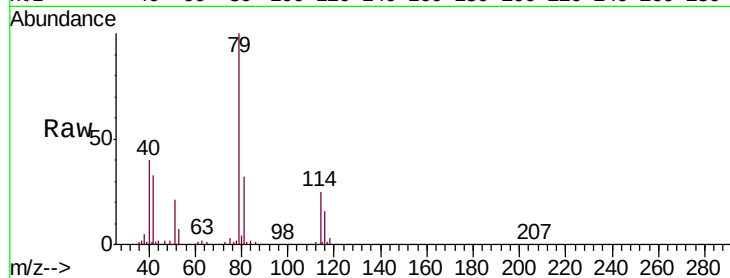
C0965

Tgt Ion: 75 Resp: 3304

Ion Ratio Lower Upper

75 100

77 36.0 22.7 42.1



#48

2-Hexanone

Concen: 1.099 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

Tgt Ion: 43 Resp: 4782

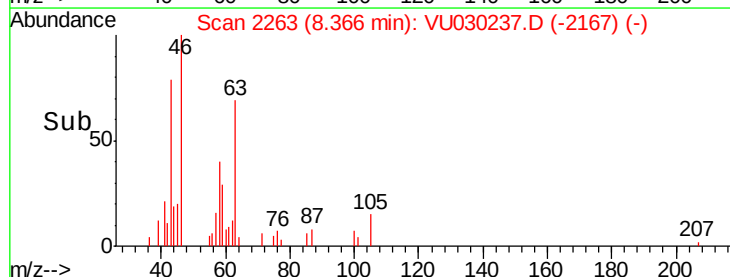
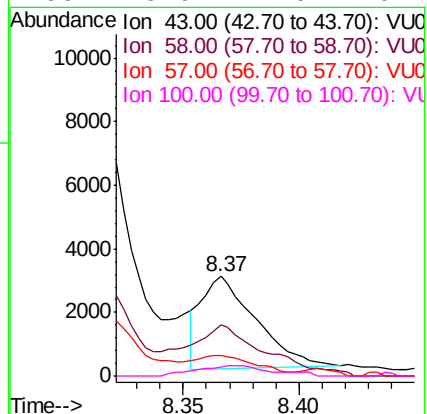
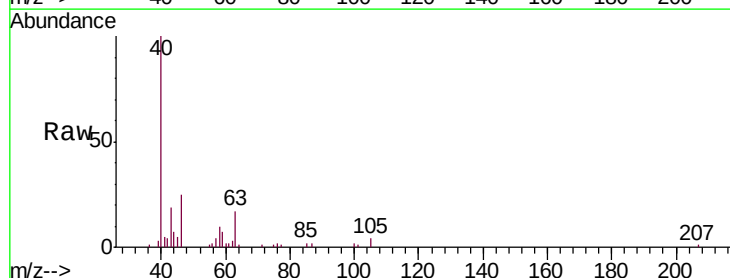
Ion Ratio Lower Upper

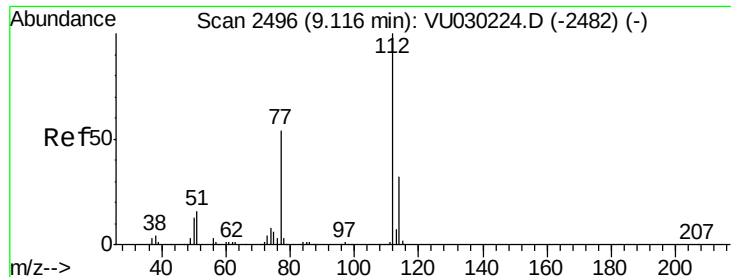
43 100

58 67.2 49.3 73.9

57 24.9 17.0 25.4

100 0.6 11.0 16.4#





#51

Chlorobenzene

Concen: 3.720 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

Instrument :

MSVOA_U

ClientSampled :

C0965

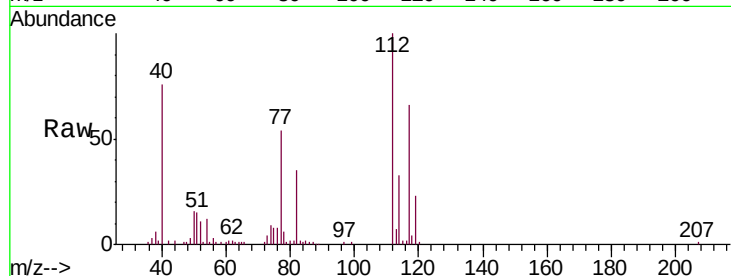
Tgt Ion:112 Resp: 39891

Ion Ratio Lower Upper

112 100

114 33.4 22.5 41.7

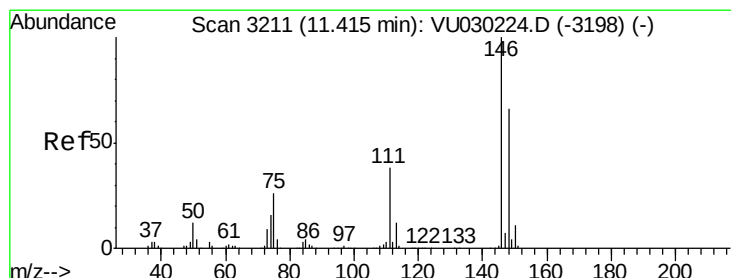
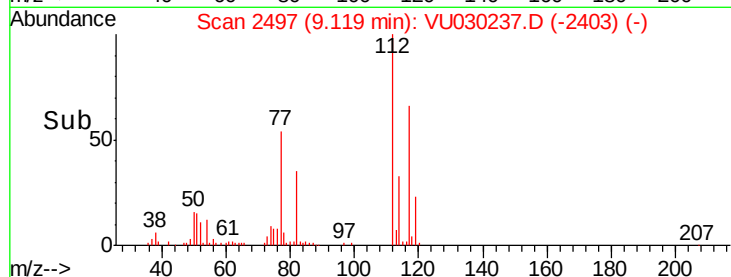
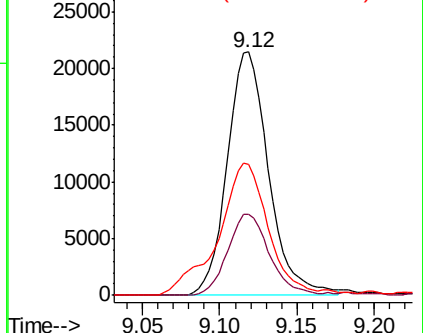
77 53.9 43.4 65.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#62

1,3-Dichlorobenzene

Concen: 1.930 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030237.D

Acq: 20 Mar 2019 20:55

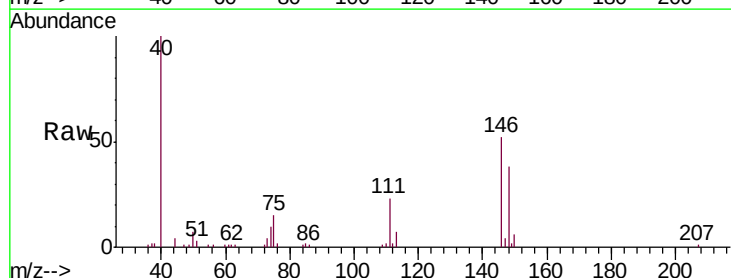
Tgt Ion:146 Resp: 15040

Ion Ratio Lower Upper

146 100

111 43.2 27.2 50.4

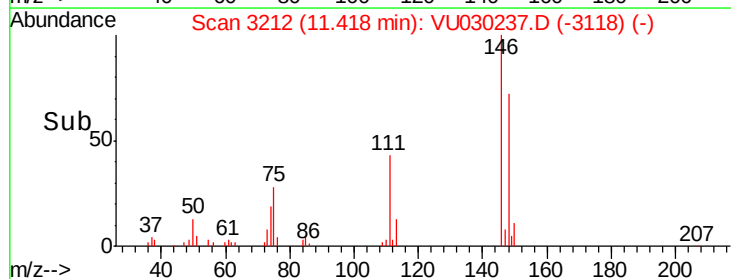
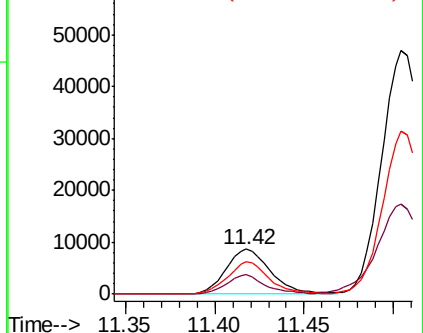
148 71.6 44.4 82.5

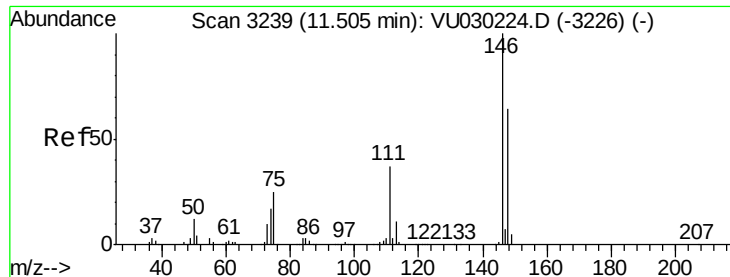


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

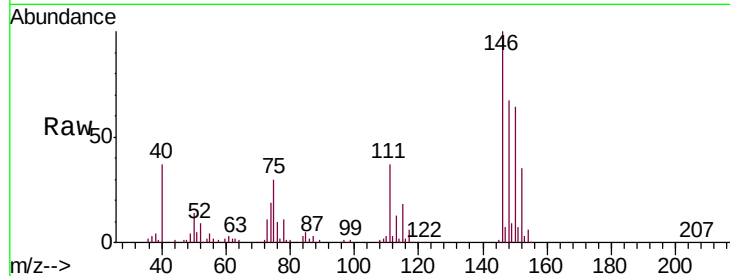




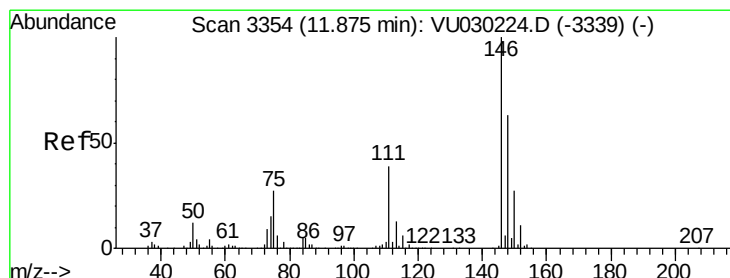
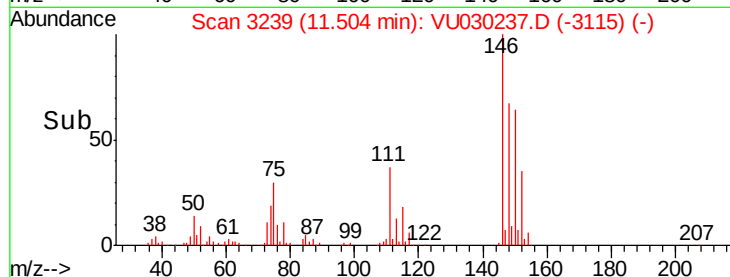
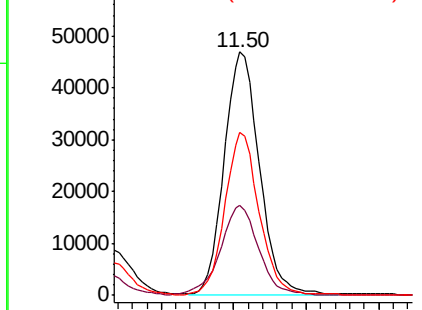
#63
 1,4-Dichlorobenzene
 Concen: 9.748 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030237.D
 Acq: 20 Mar 2019 20:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0965

Tgt Ion:146 Resp: 78799
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.3 46.9
 148 66.8 44.7 82.9

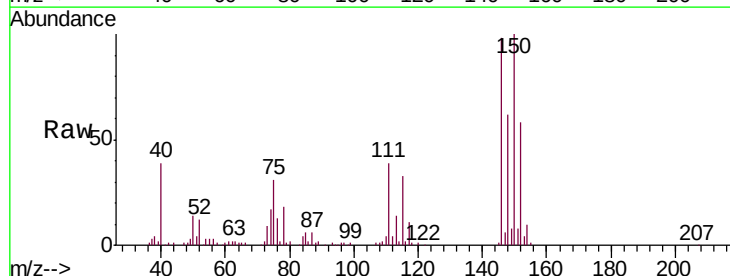


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

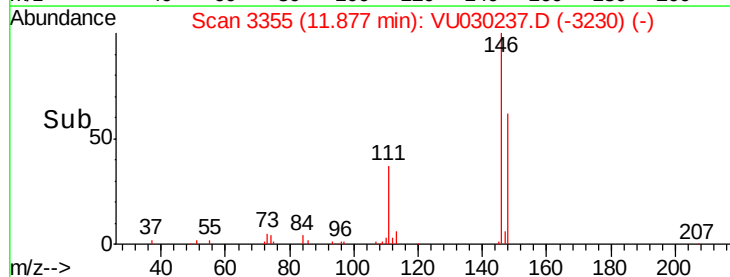
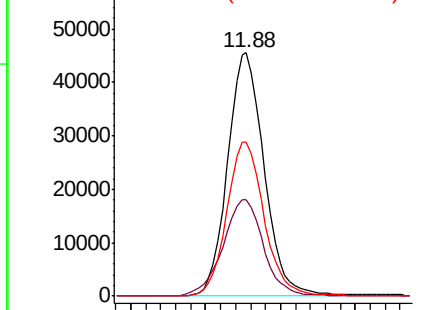


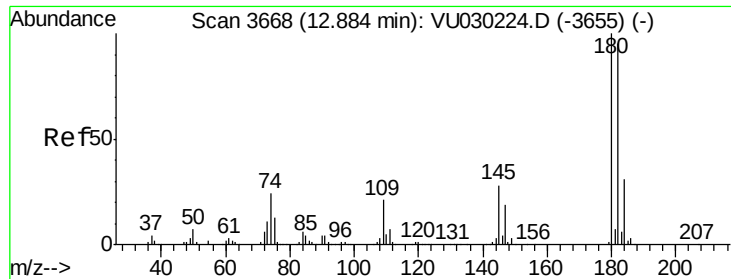
#65
 1,2-Dichlorobenzene
 Concen: 9.731 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030237.D
 Acq: 20 Mar 2019 20:55

Tgt Ion:146 Resp: 77479
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.7 47.5
 148 63.1 52.0 78.0



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

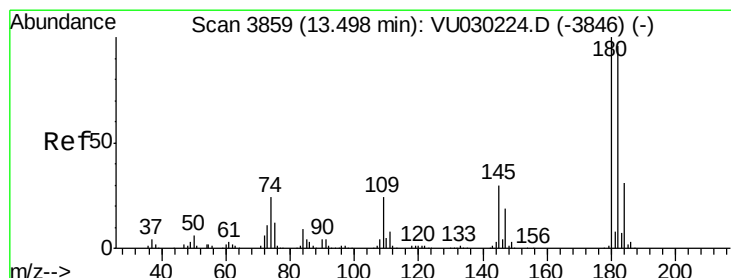
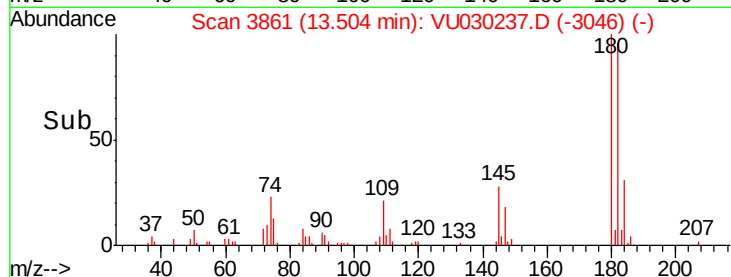
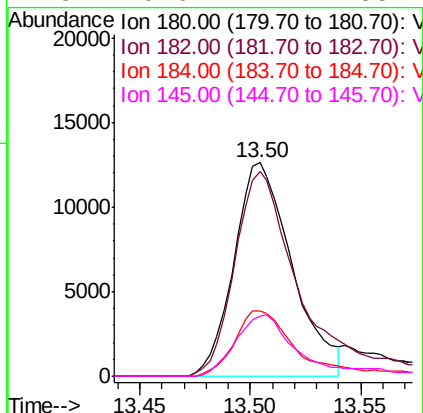
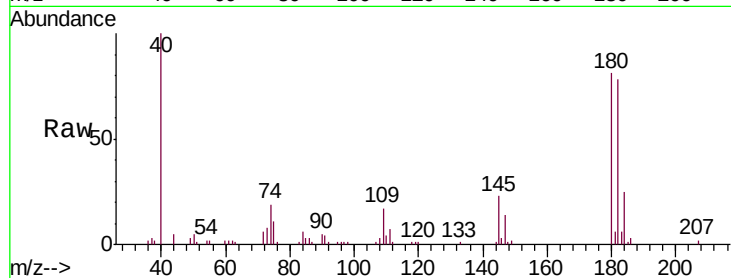




#67
 1,3,5-Trichlorobenzene
 Concen: 3.782 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030237.D
 Acq: 20 Mar 2019 20:55

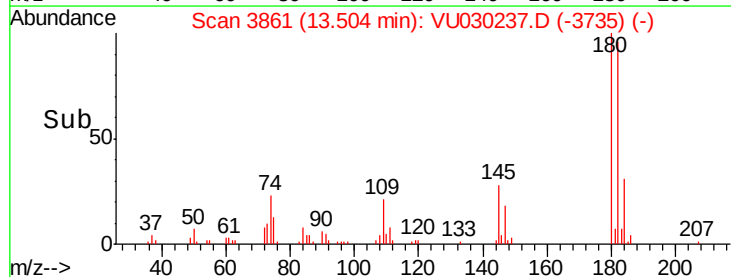
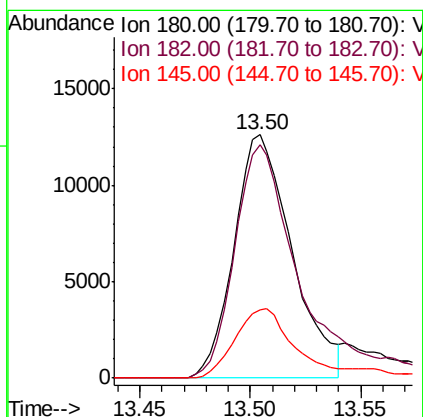
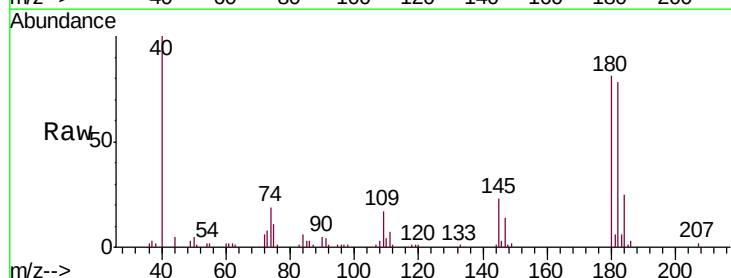
Instrument :
 MSVOA_U
 ClientSampleId :
 C0965

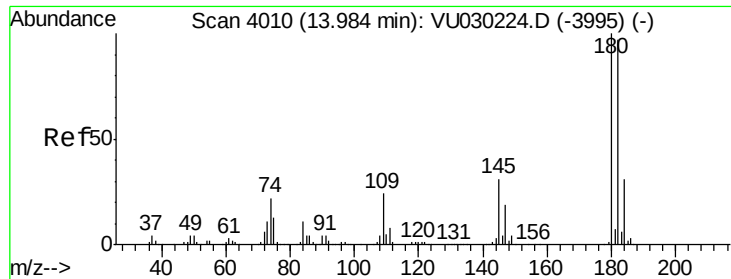
Tgt Ion:180 Resp: 23035
 Ion Ratio Lower Upper
 180 100
 182 107.3 76.0 114.0
 184 31.5 24.2 36.4
 145 29.6 22.1 33.1



#68
 1,2,4-trichlorobenzene
 Concen: 4.277 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030237.D
 Acq: 20 Mar 2019 20:55

Tgt Ion:180 Resp: 23035
 Ion Ratio Lower Upper
 180 100
 182 107.3 76.4 114.6
 145 29.6 22.7 34.1





#70
 1,2,3-Trichlorobenzene
 Concen: 2.545 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030237.D
 Acq: 20 Mar 2019 20:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0965

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	75.9	113.9
145	28.2	24.1	36.1

