

Data File : VU030252.D
Acq On : 21 Mar 2019 10:00
Operator : JC/SP
Sample : VU0321MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Quant Time: Mar 22 04:06:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 04:03:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	536400	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	512964	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170883	47.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.22%
7) Chloroethane-d5	1.68	69	142676	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.38%
11) 1,1-Dichloroethene-d2	2.27	63	237912	35.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.90%
21) 2-Butanone-d5	4.17	46	263599	97.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.96%
24) Chloroform-d	4.64	84	315729	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
26) 1,2-Dichloroethane-d4	5.31	65	182174	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.34	84	670159	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.33	67	210501	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.66%
41) Toluene-d8	7.56	98	607619	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%
43) trans-1,3-Dichloropropene-	7.85	79	97148	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.40%
47) 2-Hexanone-d5	8.31	63	218218	100.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311254	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	246453	50.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.26%

Target Compounds

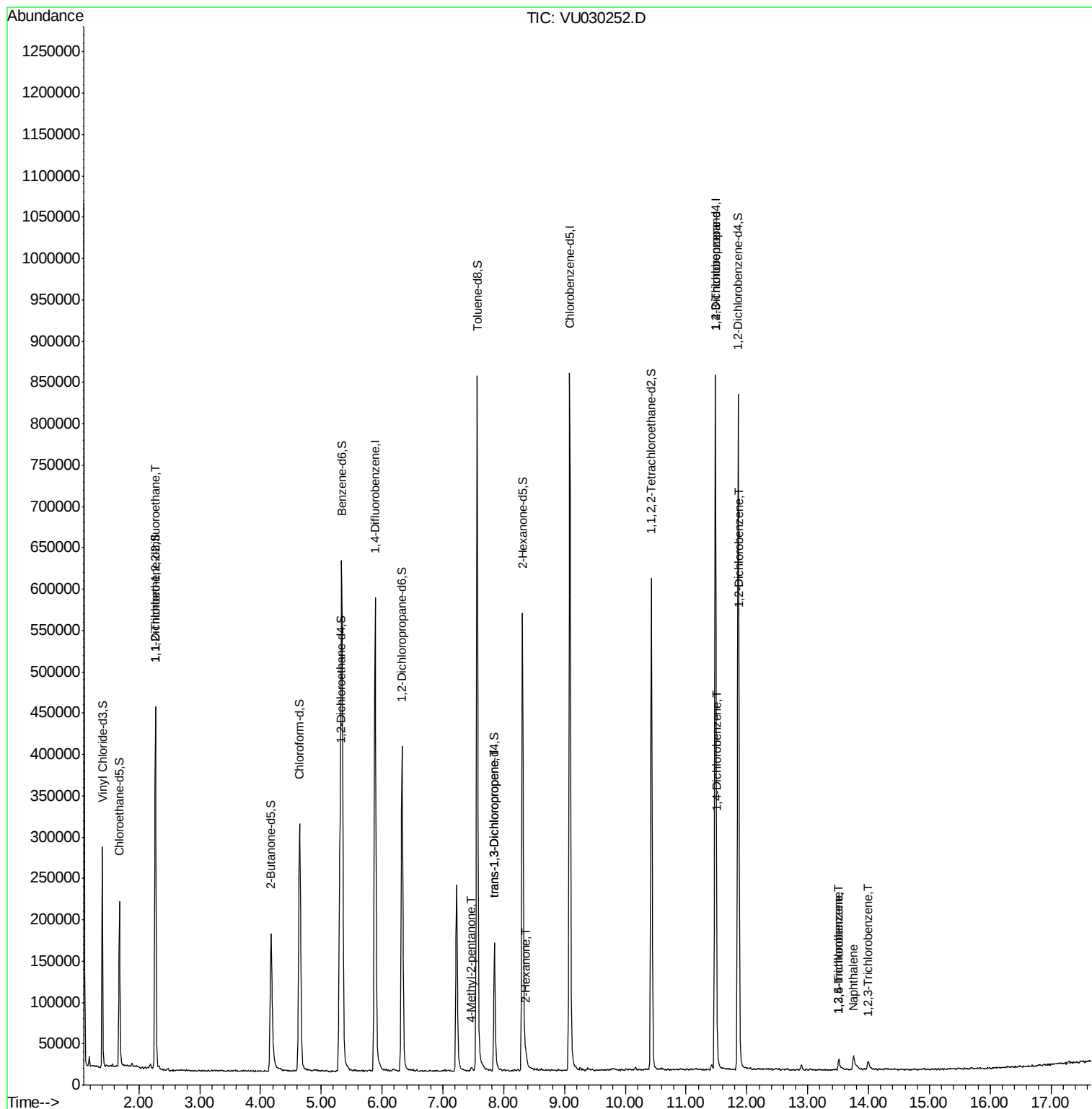
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2638	0.732	ug/L #	18
40) 4-Methyl-2-pentanone	7.47	43	2880	0.553	ug/L #	94
44) trans-1,3-Dichloropropene	7.85	75	3828	0.727	ug/L #	83
48) 2-Hexanone	8.37	43	8835	2.043	ug/L #	98
59) 1,2,3-Trichloropropane	11.48	75	26487	5.170	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	9081	1.121	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	8736	1.094	ug/L	89
67) 1,3,5-Trichlorobenzene	13.51	180	6350	1.040	ug/L	87
68) 1,2,4-trichlorobenzene	13.51	180	6350	1.176	ug/L	85
69) Naphthalene	13.75	128	26843	1.567	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.99	180	5889	1.045	ug/L	93

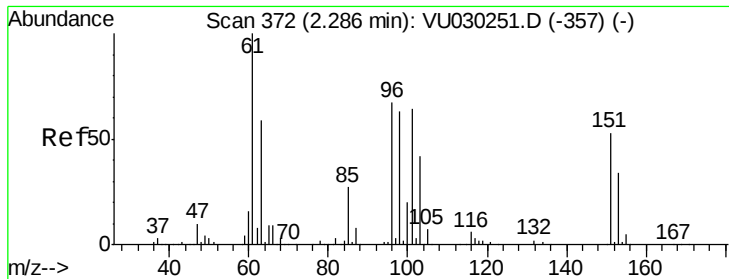
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.732 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030252.D

Acq: 21 Mar 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VBLK44

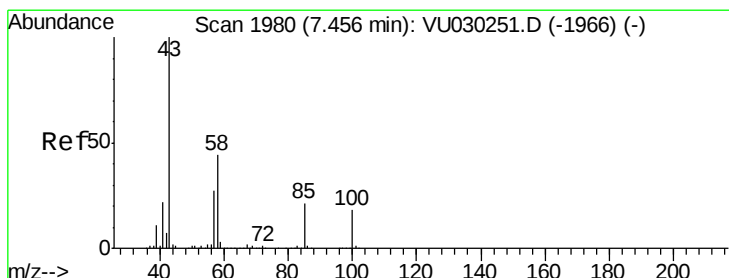
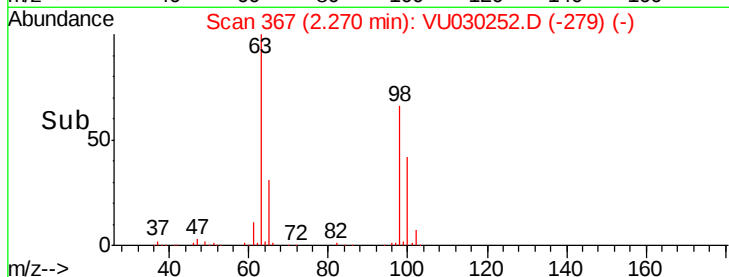
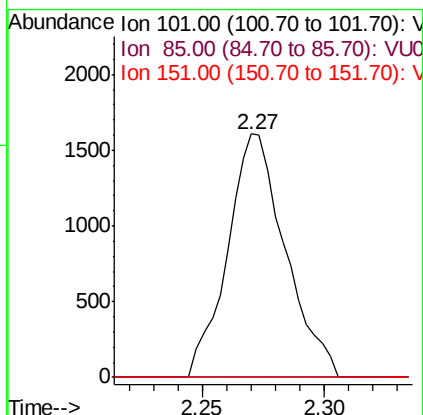
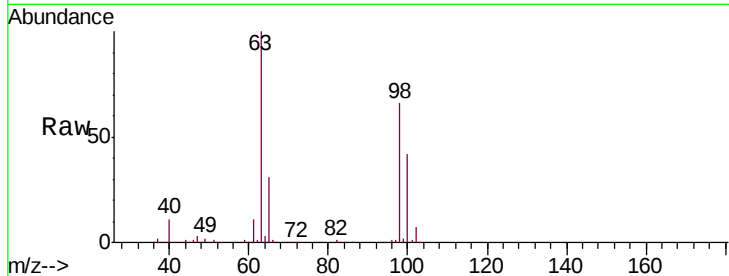
Tgt Ion: 101 Resp: 2638

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 64.7 97.1#



#40

4-Methyl-2-pentanone

Concen: 0.553 ug/L

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU030252.D

Acq: 21 Mar 2019 10:00

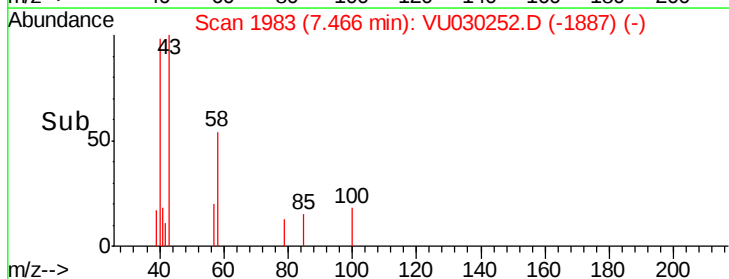
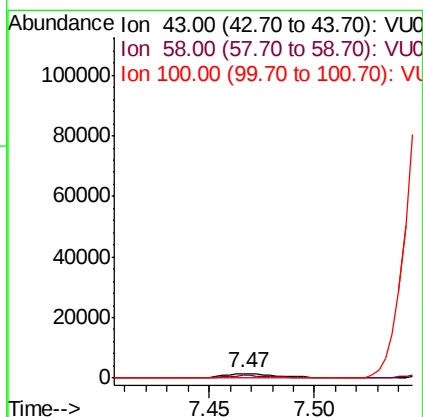
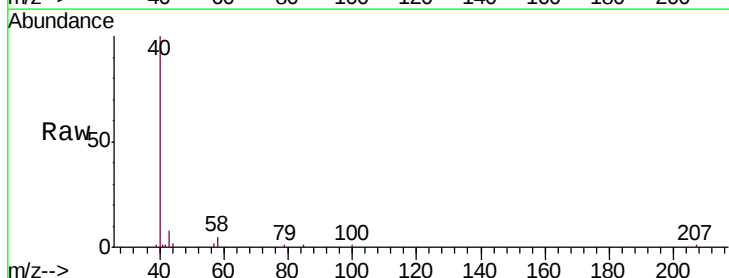
Tgt Ion: 43 Resp: 2880

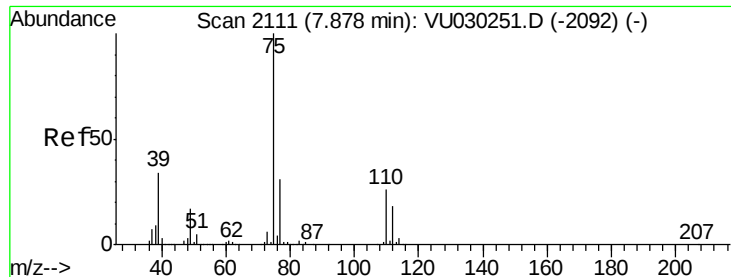
Ion Ratio Lower Upper

43 100

58 45.9 34.4 51.6

100 13.3 13.9 20.9#

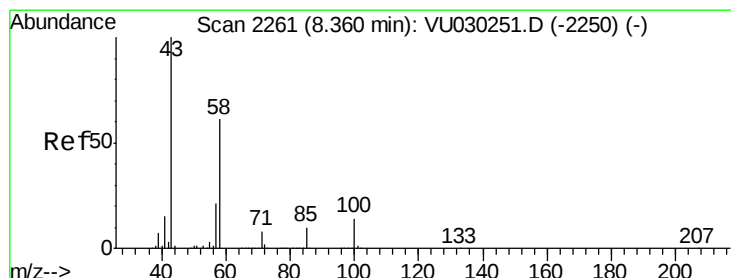
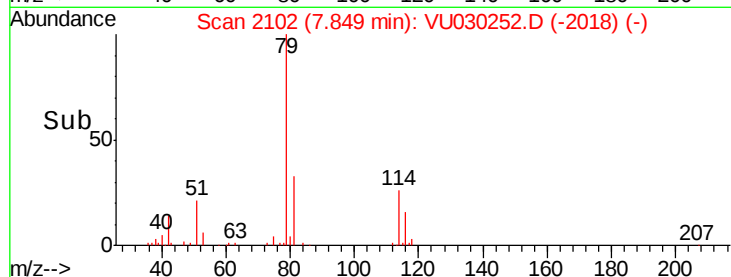
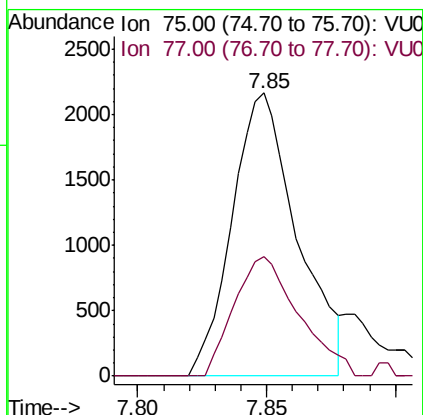
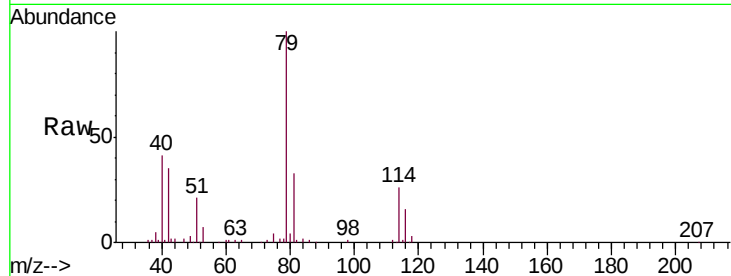




#44
trans-1,3-Dichloropropene
Concen: 0.727 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030252.D
Acq: 21 Mar 2019 10:00

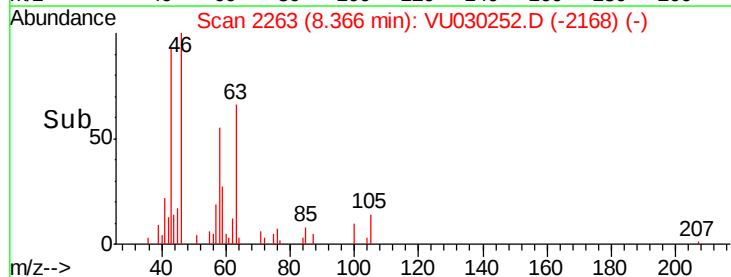
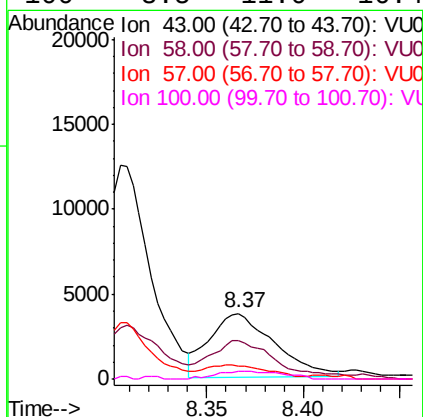
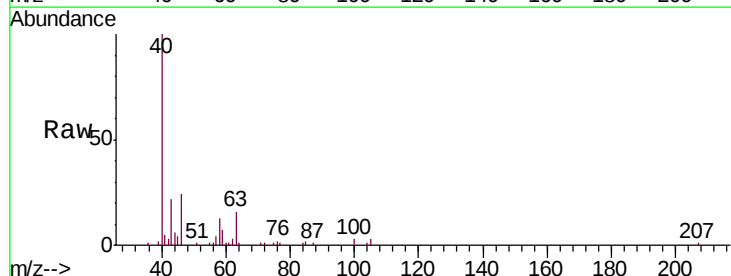
Instrument :
MSVOA_U
ClientSampleId :
VBLK44

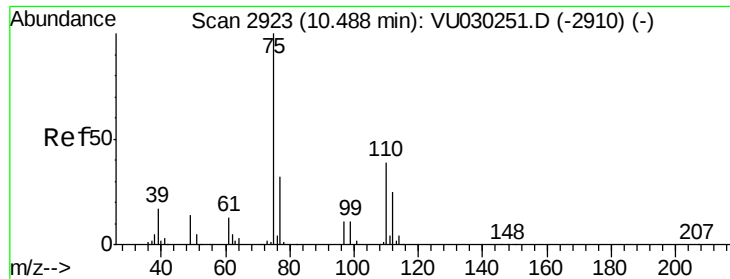
Tgt Ion: 75 Resp: 3828
Ion Ratio Lower Upper
75 100
77 42.1 22.7 42.1#



#48
2-Hexanone
Concen: 2.043 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030252.D
Acq: 21 Mar 2019 10:00

Tgt Ion: 43 Resp: 8835
Ion Ratio Lower Upper
43 100
58 61.6 49.3 73.9
57 20.7 17.0 25.4
100 8.5 11.0 16.4#

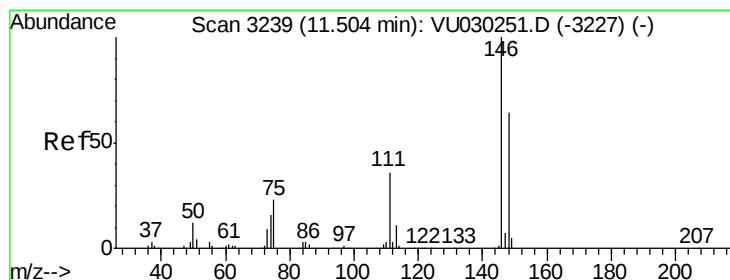
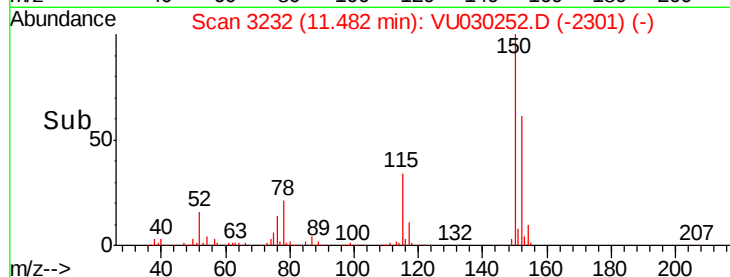
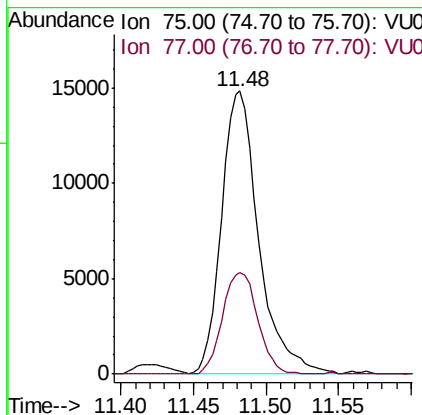
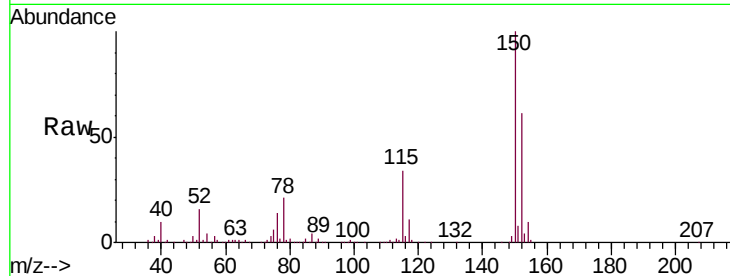




#59
 1,2,3-Trichloropropane
 Concen: 5.170 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030252.D
 Acq: 21 Mar 2019 10:00

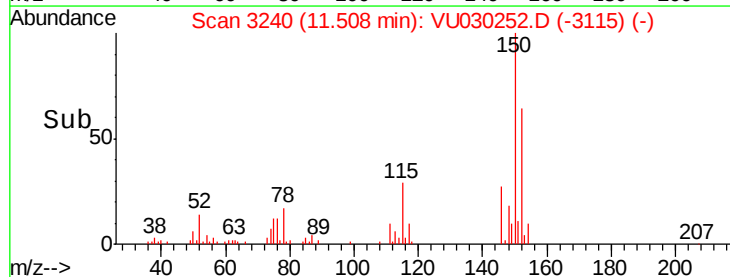
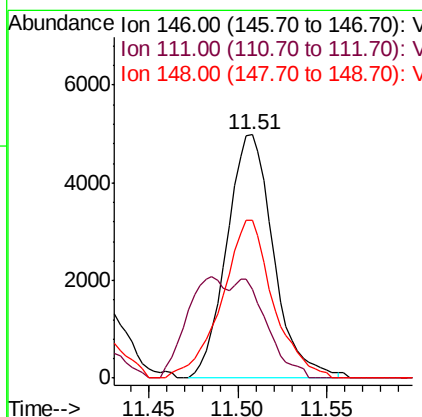
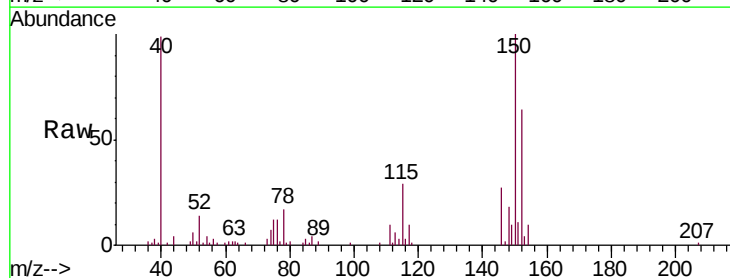
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK44

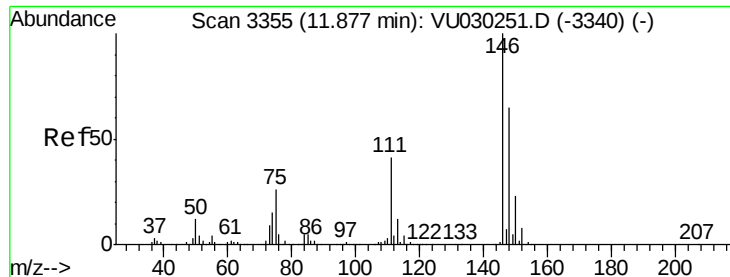
Tgt Ion: 75 Resp: 26487
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.8 38.8



#63
 1,4-Dichlorobenzene
 Concen: 1.121 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030252.D
 Acq: 21 Mar 2019 10:00

Tgt Ion: 146 Resp: 9081
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.3 46.9
 148 65.0 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 1.094 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030252.D

Acq: 21 Mar 2019 10:00

Instrument :

MSVOA_U

ClientSampleId :

VBLK44

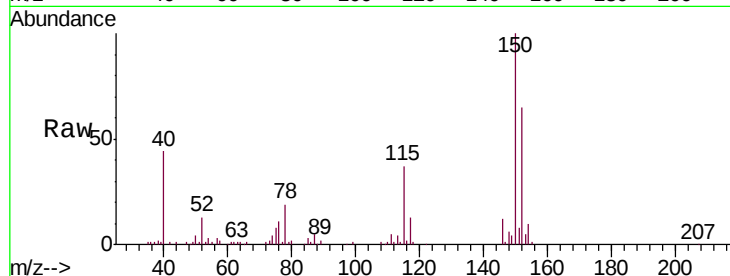
Tgt Ion:146 Resp: 8736

Ion Ratio Lower Upper

146 100

111 44.2 31.7 47.5

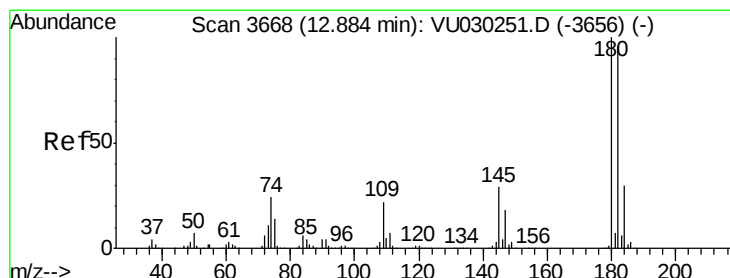
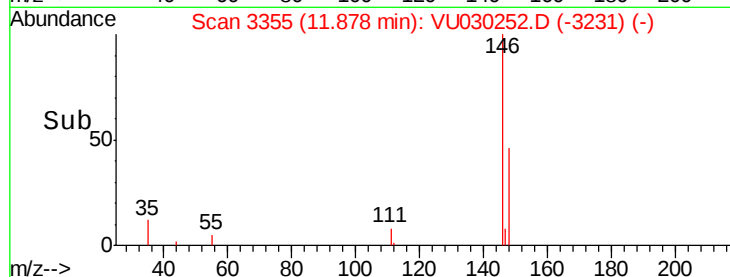
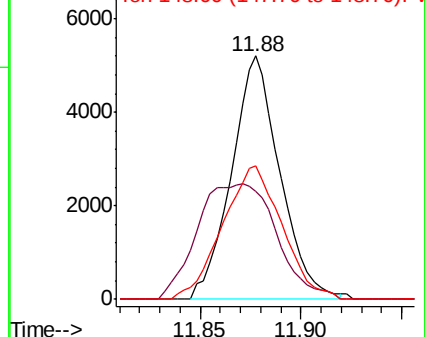
148 55.0 52.0 78.0



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: 1.040 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.62 min

Lab File: VU030252.D

Acq: 21 Mar 2019 10:00

Tgt Ion:180 Resp: 6350

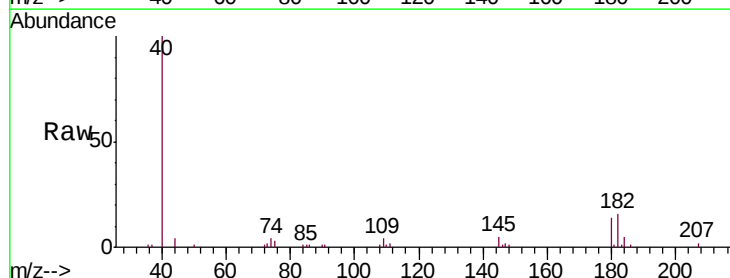
Ion Ratio Lower Upper

180 100

182 78.9 76.0 114.0

184 25.6 24.2 36.4

145 24.3 22.1 33.1

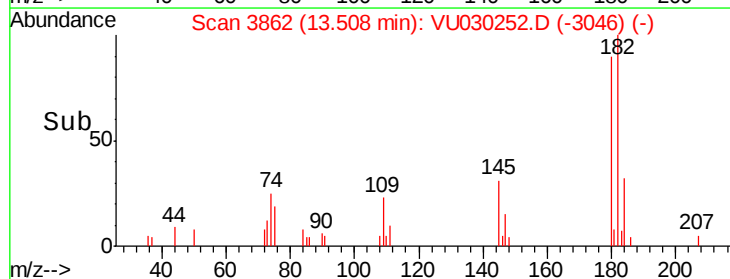
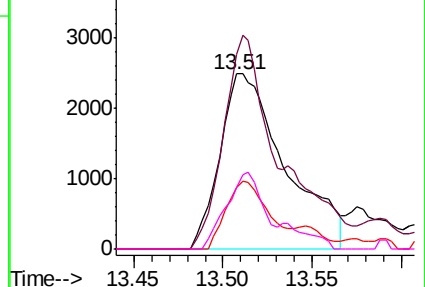


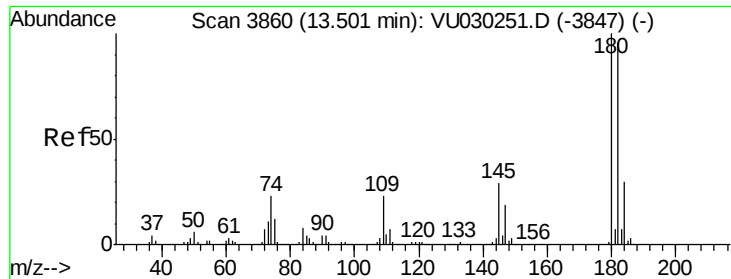
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

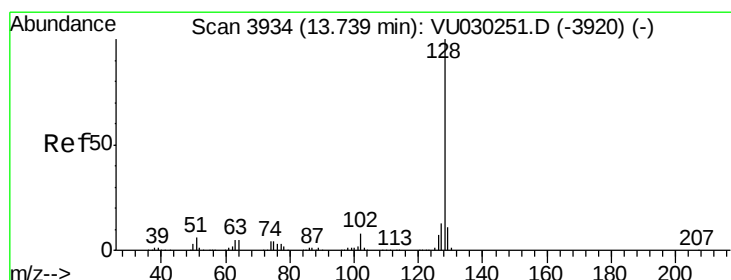
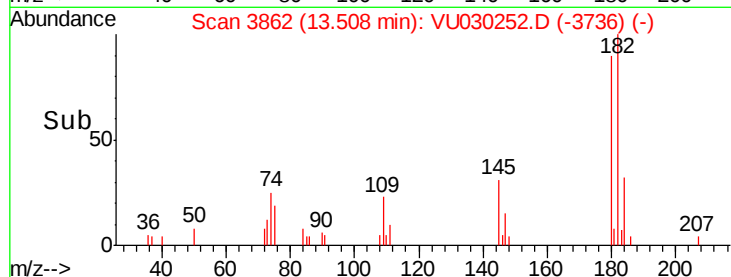
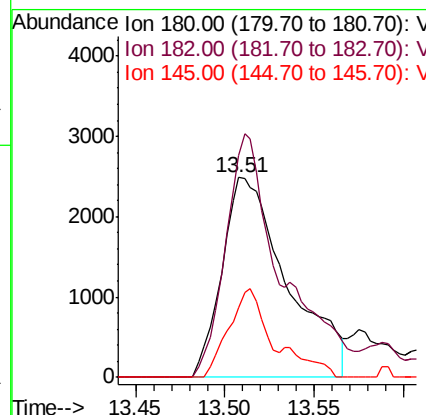
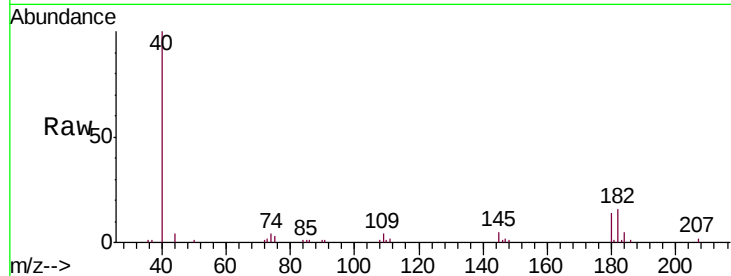




#68
1,2,4-trichlorobenzene
Concen: 1.176 ug/L
RT: 13.51 min Scan# 3862
Delta R.T. 0.01 min
Lab File: VU030252.D
Acq: 21 Mar 2019 10:00

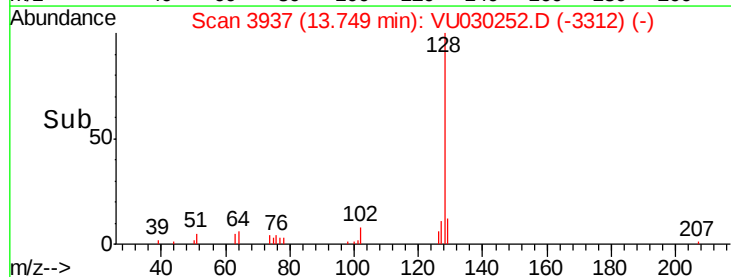
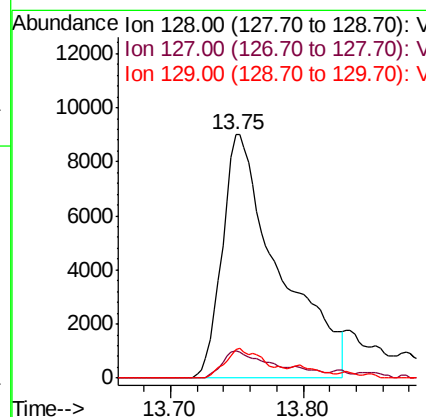
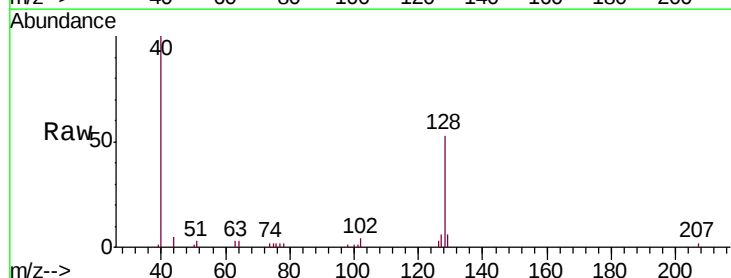
Instrument :
MSVOA_U
ClientSampled :
VBLK44

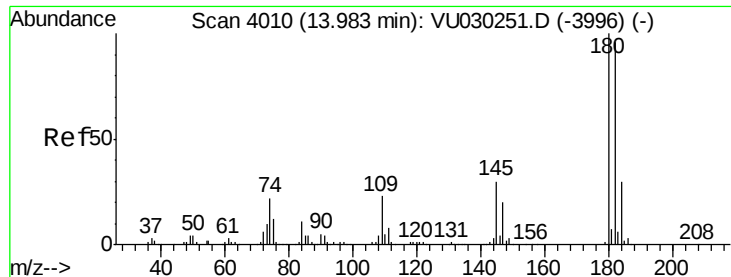
Tgt Ion:180 Resp: 6350
Ion Ratio Lower Upper
180 100
182 78.9 76.4 114.6
145 24.3 22.7 34.1



#69
Naphthalene
Concen: 1.567 ug/L
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU030252.D
Acq: 21 Mar 2019 10:00

Tgt Ion:128 Resp: 26843
Ion Ratio Lower Upper
128 100
127 8.1 10.2 15.2#
129 4.8 8.5 12.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.045 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030252.D
 Acq: 21 Mar 2019 10:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.8	75.9	113.9
145	26.2	24.1	36.1

