

Data File : VU027821.D
Acq On : 26 Oct 2018 10:27
Operator : MD/SY
Sample : J5657-01ME
Misc : 4.65g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A40G4ME

Quant Time: Oct 27 01:44:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	94578	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	92292	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	53337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23833	32.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.78%
7) Chloroethane-d5	1.64	69	22400	39.54	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.08%
11) 1,1-Dichloroethene-d2	2.23	63	35618	26.87	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.74%#
21) 2-Butanone-d5	4.20	46	48557	77.43	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.43%
24) Chloroform-d	4.65	84	48985	37.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.06%
26) 1,2-Dichloroethane-d4	5.31	65	37698	41.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.30%
32) Benzene-d6	5.33	84	92680	35.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.52%
36) 1,2-Dichloropropane-d6	6.33	67	33895	36.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.24%
41) Toluene-d8	7.57	98	86228	35.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.14%#
43) trans-1,3-Dichloropropene-	7.85	79	16330	35.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.68%
47) 2-Hexanone-d5	8.33	63	39583	82.43	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.43%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	49314	40.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	39924	36.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.08%#

Target Compounds

					Qvalue
6) Bromomethane	1.60	94	314	0.729 ug/L	82
13) Acetone	2.34	43	336	0.769 ug/L #	46
15) Methyl Acetate	2.63	43	1316	1.432 ug/L #	58
35) Methylcyclohexane	6.33	83	7611	6.403 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	3898	4.805 ug/L #	90
48) 2-Hexanone	8.33	43	5306	5.248 ug/L #	66
51) Chlorobenzene	9.12	112	1410	0.800 ug/L	95
52) Ethylbenzene	9.26	91	1403	0.431 ug/L	94
53) m,p-Xylene	9.38	106	1489	1.267 ug/L	71
54) o-xylene	9.79	106	878	0.750 ug/L	90
56) Isopropylbenzene	10.17	105	4508	1.453 ug/L	94
59) 1,2,3-Trichloropropane	11.42	75	8361	8.721 ug/L #	56
62) 1,3-Dichlorobenzene	11.42	146	23370	14.612 ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	174756	107.160 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	9529	5.793 ug/L	99
67) 1,3,5-Trichlorobenzene	13.51	180	3331	2.693 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	3331	3.033 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102618\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

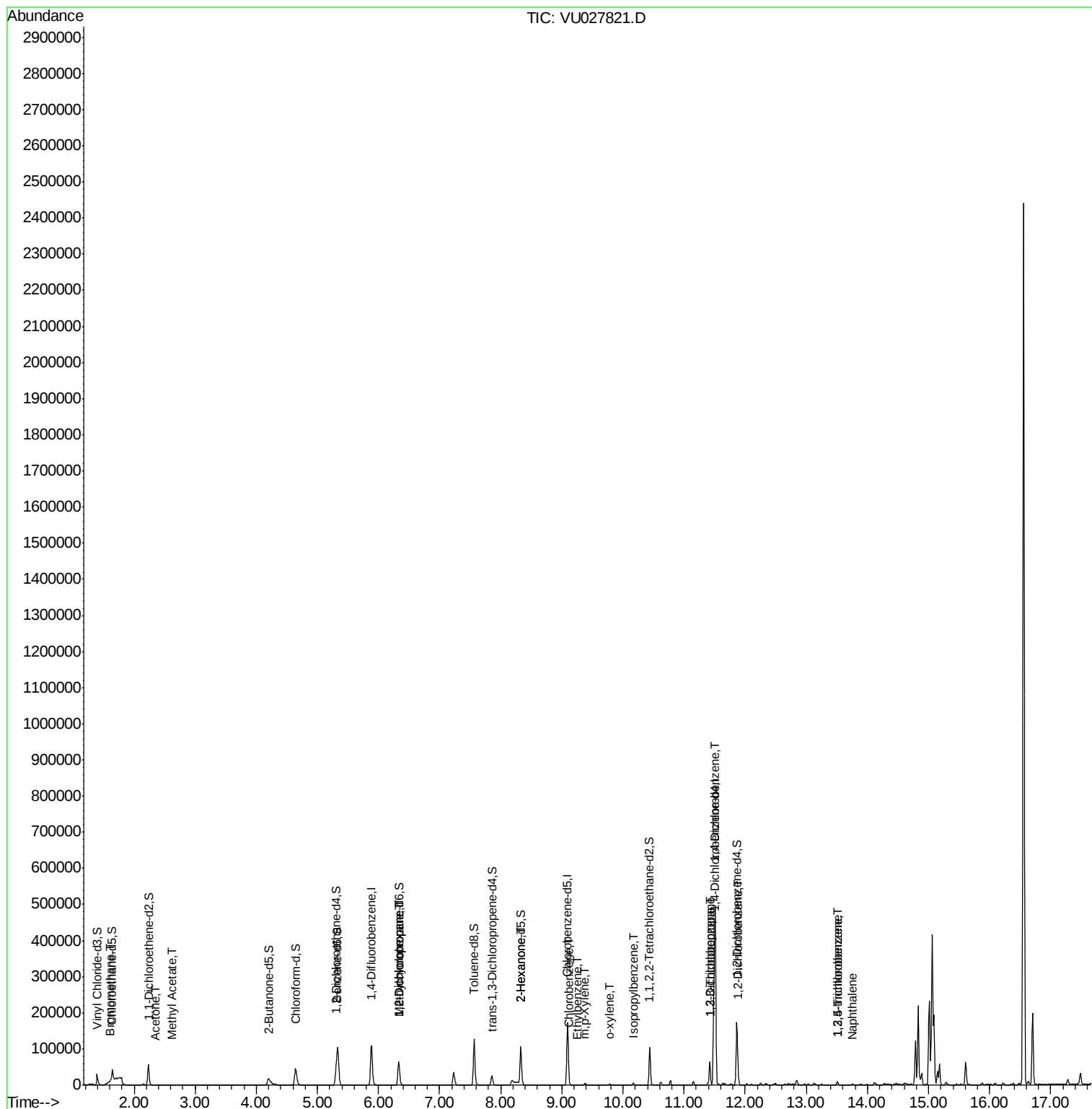
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.75	128	2371	0.669	ug/L #	79

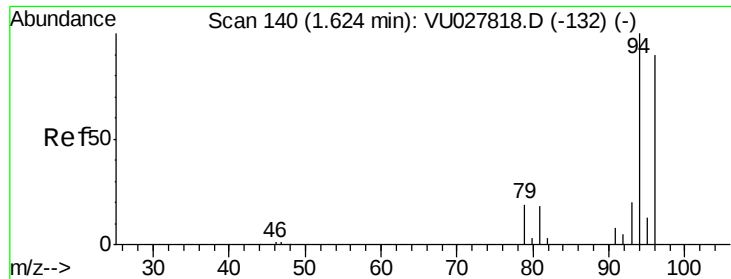
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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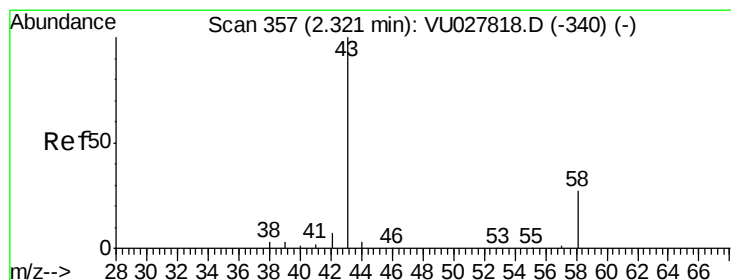
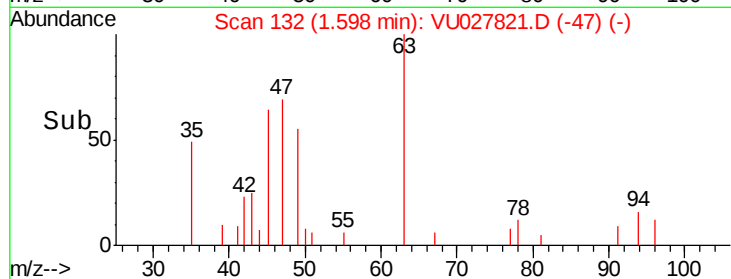
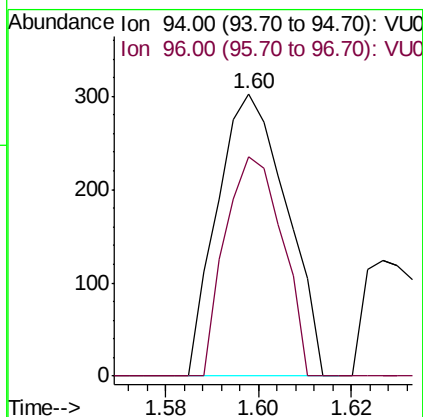
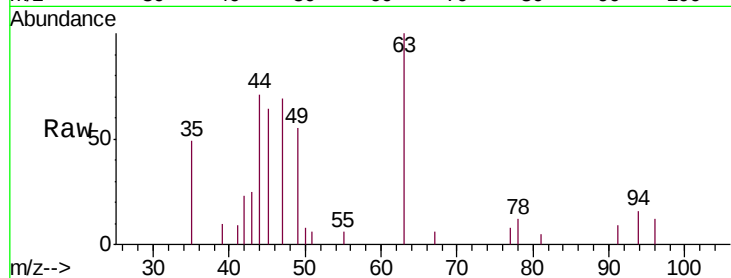




#6
Bromomethane
Concen: 0.729 ug/L
RT: 1.60 min Scan# 132
Delta R.T. -0.03 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

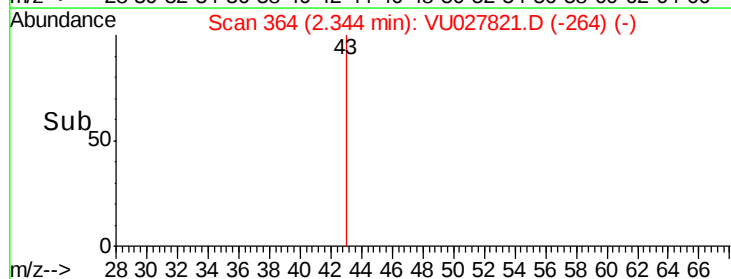
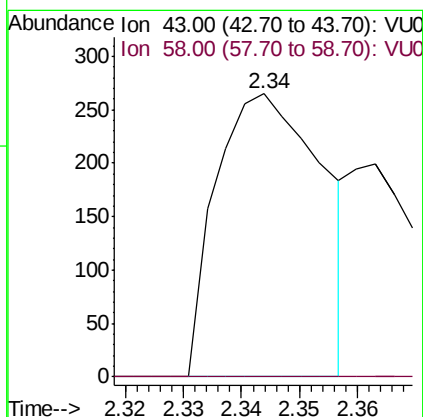
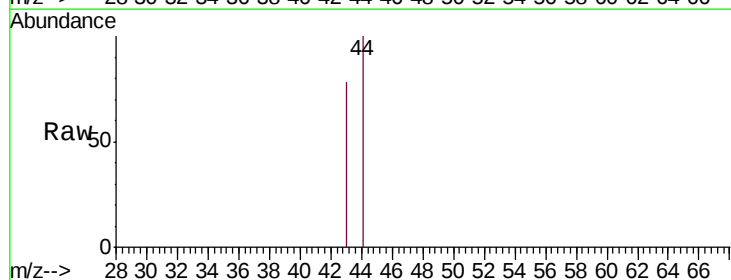
Instrument :
MSVOA_U
ClientSampleId :
A40G4ME

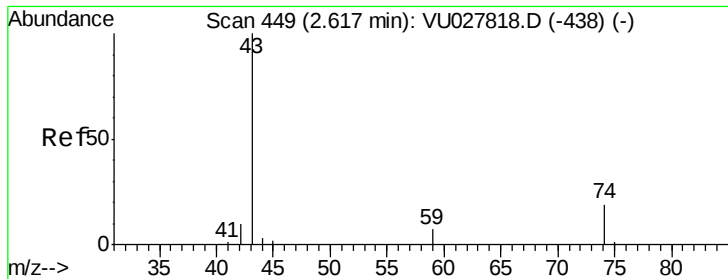
Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 77.6 66.2 123.0



#13
Acetone
Concen: 0.769 ug/L
RT: 2.34 min Scan# 364
Delta R.T. 0.02 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
58 0.0 0.0 57.4





#15

Methyl Acetate

Concen: 1.432 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU027821.D

Acq: 26 Oct 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

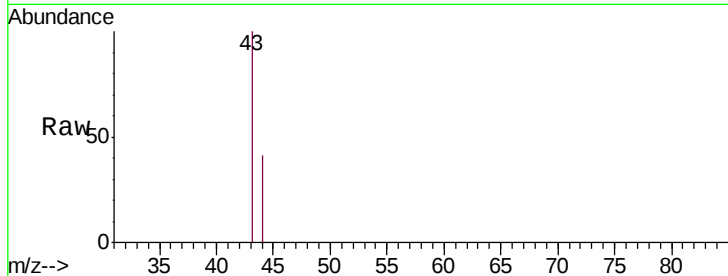
A40G4ME

Tgt Ion: 43 Resp: 1316

Ion Ratio Lower Upper

43 100

74 0.0 15.1 22.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.63

600

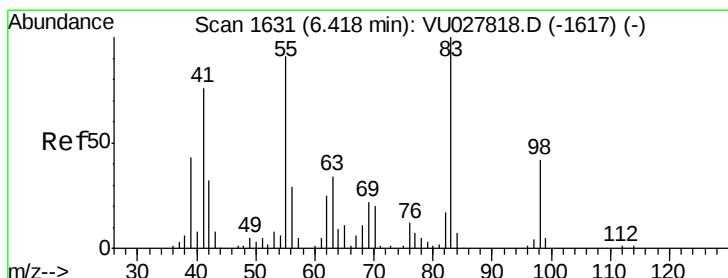
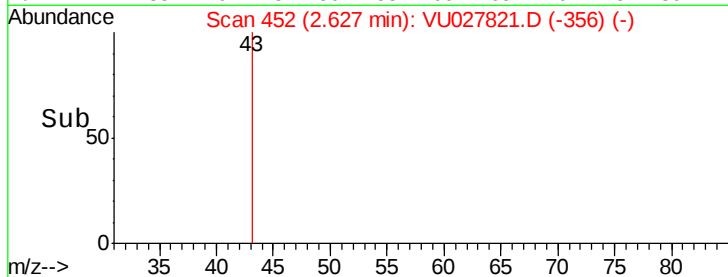
400

200

0

2.60 2.65

Time-->



#35

Methylcyclohexane

Concen: 6.403 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU027821.D

Acq: 26 Oct 2018 10:27

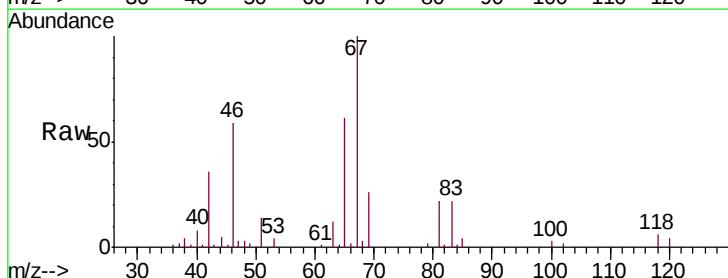
Tgt Ion: 83 Resp: 7611

Ion Ratio Lower Upper

83 100

55 0.0 71.9 107.9#

98 0.0 34.6 52.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

6.33

4000

3000

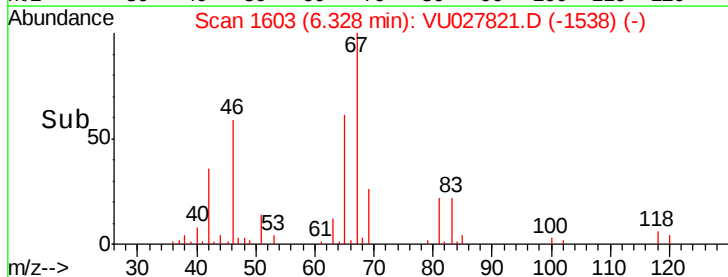
2000

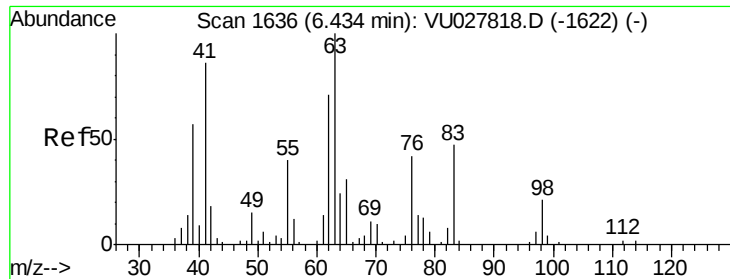
1000

0

6.30 6.35 6.40

Time-->

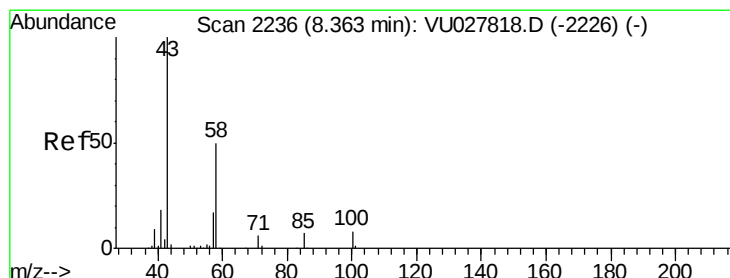
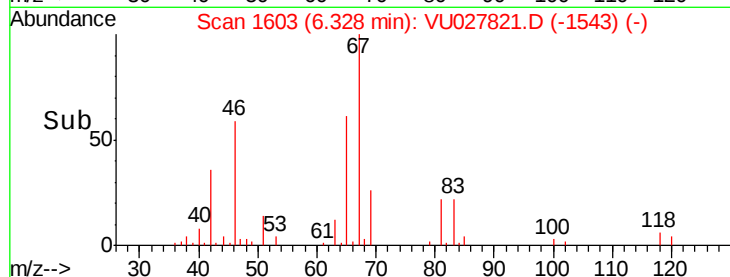
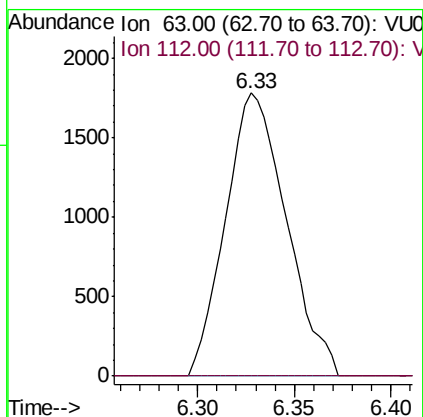
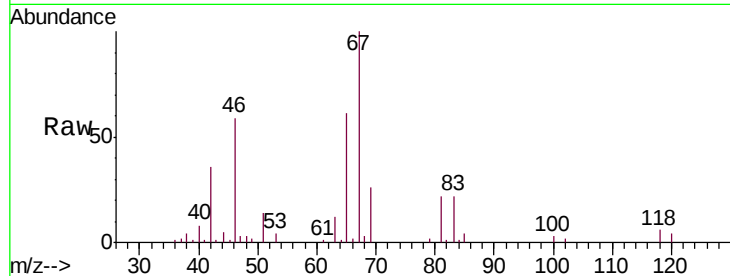




#37
 1,2-Dichloropropane
 Concen: 4.805 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.11 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

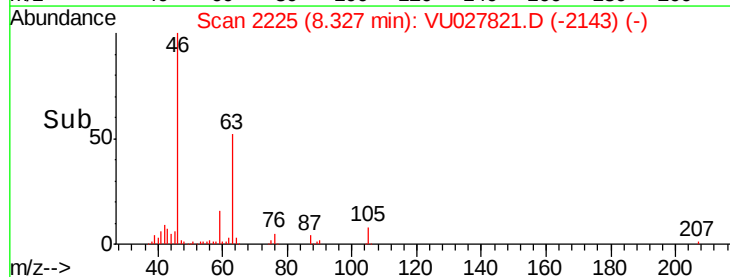
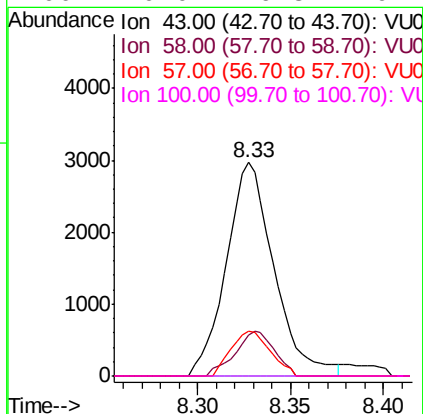
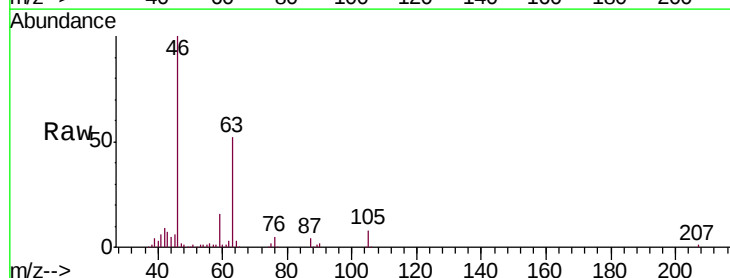
Instrument :
 MSVOA_U
 ClientSampleId :
 A40G4ME

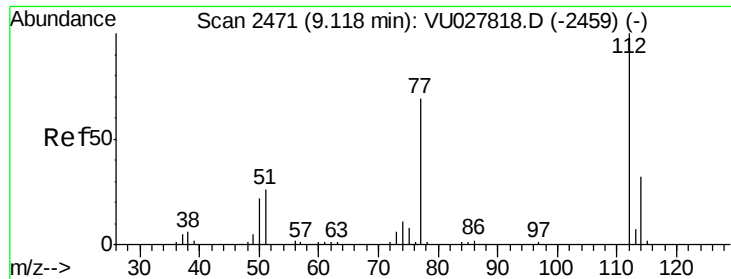
Tgt Ion: 63 Resp: 3898
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#48
 2-Hexanone
 Concen: 5.248 ug/L
 RT: 8.33 min Scan# 2225
 Delta R.T. -0.04 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

Tgt Ion: 43 Resp: 5306
 Ion Ratio Lower Upper
 43 100
 58 17.1 38.8 58.2#
 57 17.2 13.1 19.7
 100 0.0 6.8 10.2#

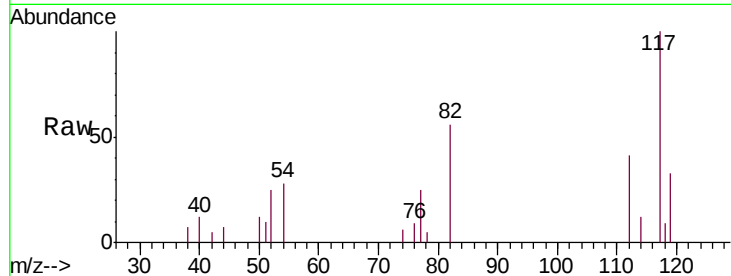




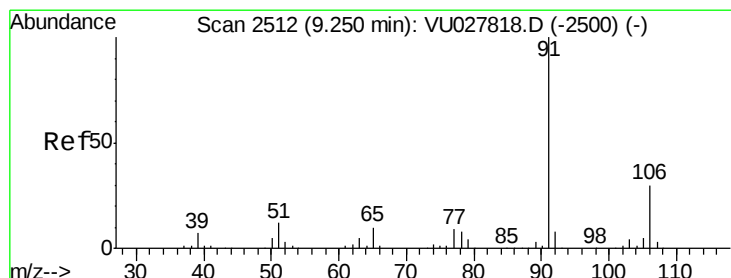
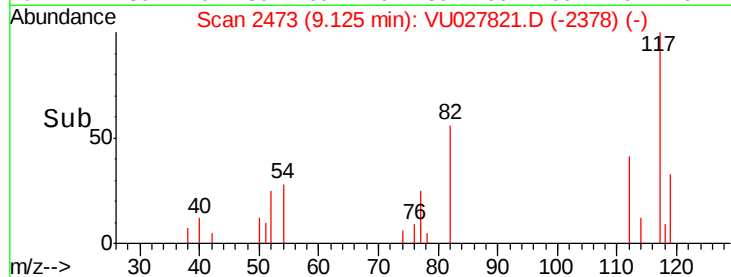
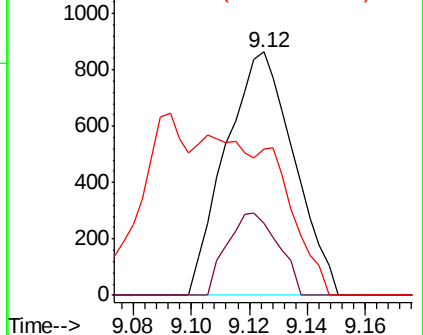
#51
Chlorobenzene
Concen: 0.800 ug/L
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

Instrument :
MSVOA_U
ClientSampleId :
A40G4ME

Tgt Ion: 112 Resp: 1410
Ion Ratio Lower Upper
112 100
114 29.6 21.9 40.7
77 60.3 52.2 78.2

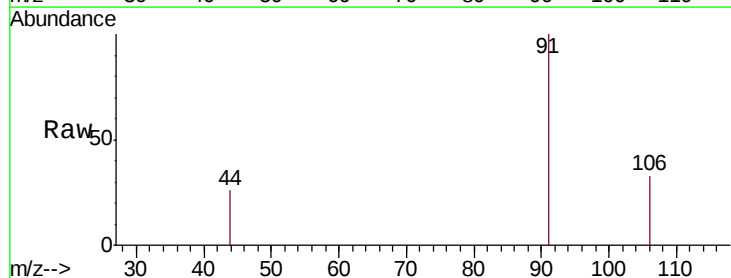


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

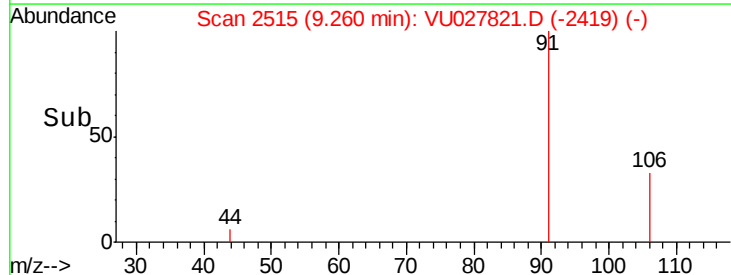
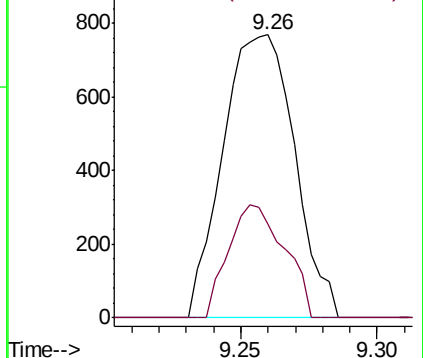


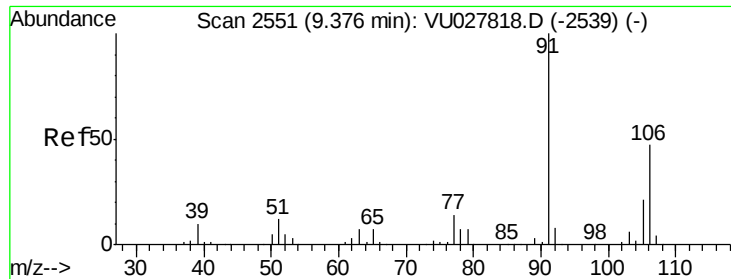
#52
Ethylbenzene
Concen: 0.431 ug/L
RT: 9.26 min Scan# 2515
Delta R.T. 0.01 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

Tgt Ion: 91 Resp: 1403
Ion Ratio Lower Upper
91 100
106 33.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

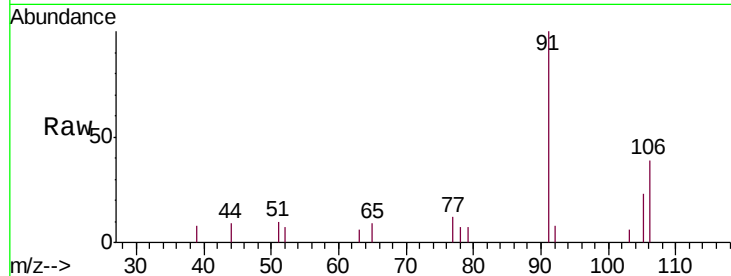




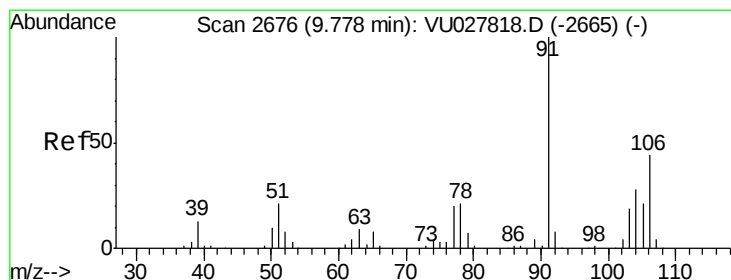
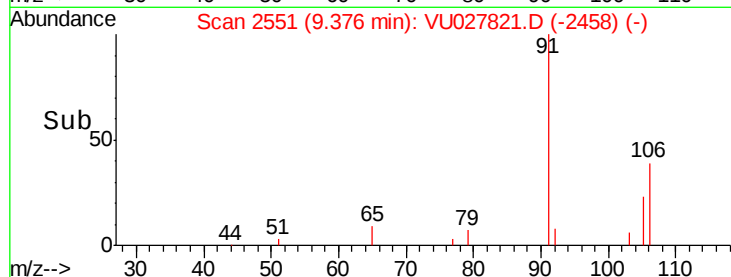
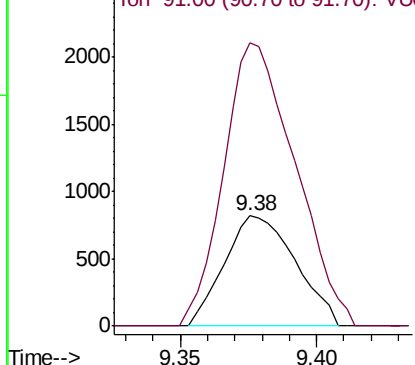
#53
m,p-Xylene
Concen: 1.267 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

Instrument :
MSVOA_U
ClientSampleId :
A40G4ME

Tgt Ion:106 Resp: 1489
Ion Ratio Lower Upper
106 100
91 257.0 147.9 274.7

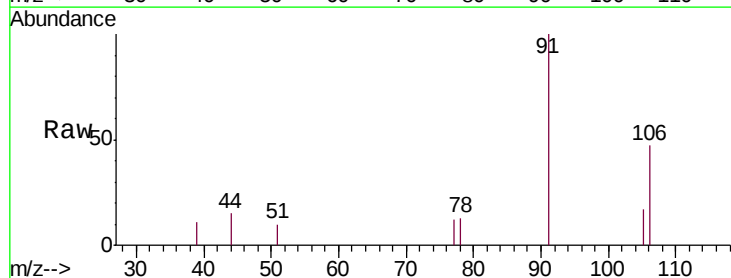


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

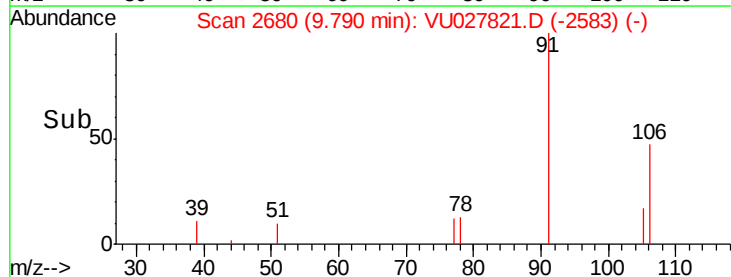
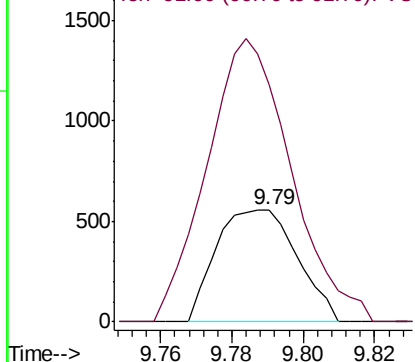


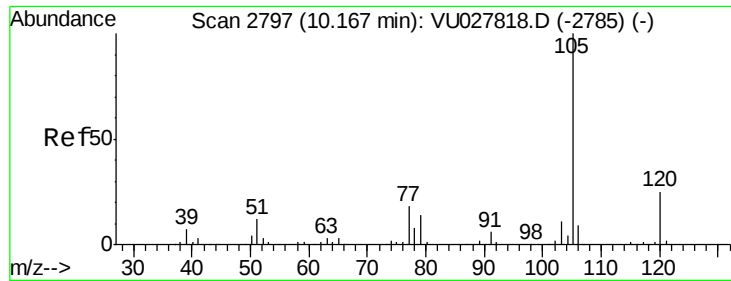
#54
o-xylene
Concen: 0.750 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.01 min
Lab File: VU027821.D
Acq: 26 Oct 2018 10:27

Tgt Ion:106 Resp: 878
Ion Ratio Lower Upper
106 100
91 211.8 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.453 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027821.D

Acq: 26 Oct 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

A40G4ME

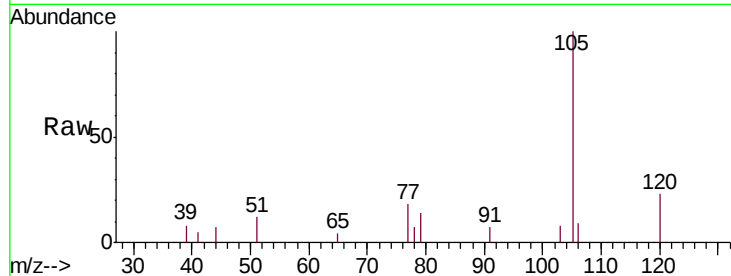
Tgt Ion: 105 Resp: 4508

Ion Ratio Lower Upper

105 100

120 21.2 21.0 31.6

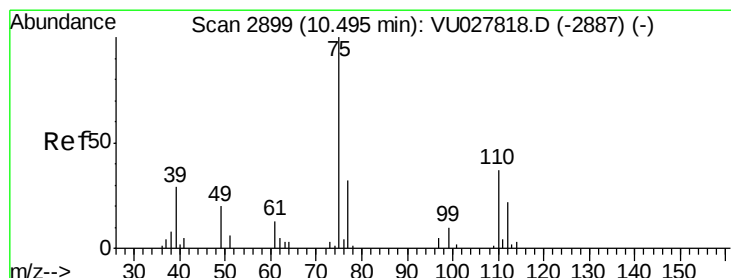
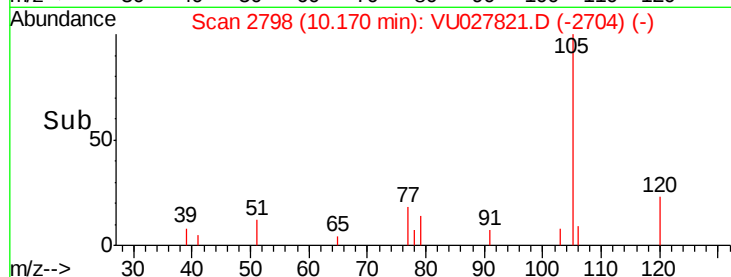
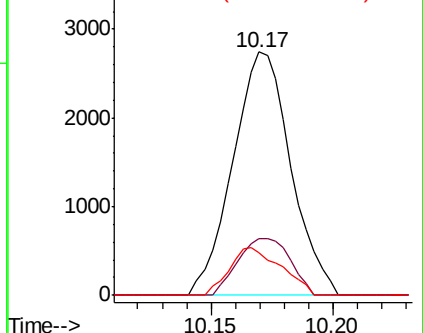
77 17.6 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 8.721 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.93 min

Lab File: VU027821.D

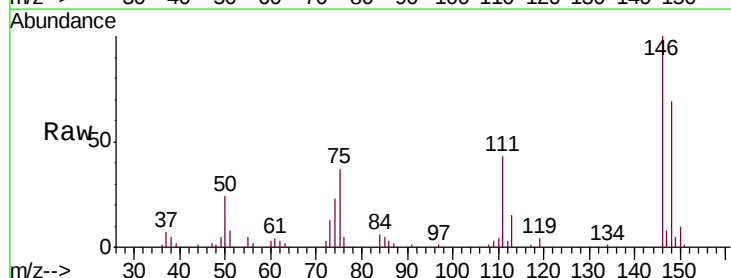
Acq: 26 Oct 2018 10:27

Tgt Ion: 75 Resp: 8361

Ion Ratio Lower Upper

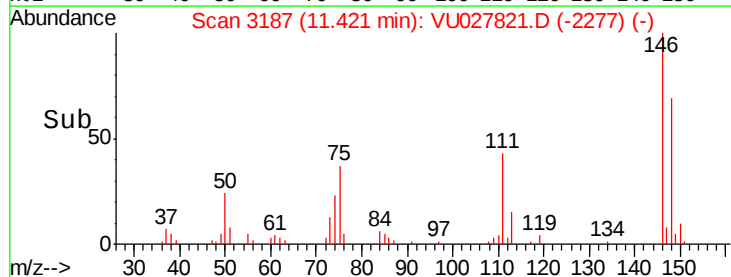
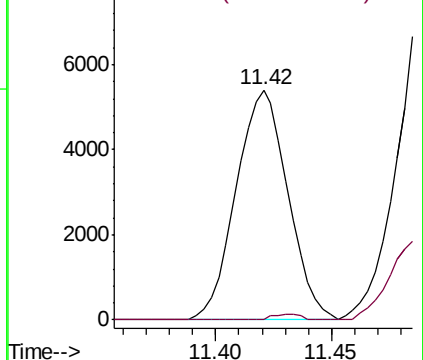
75 100

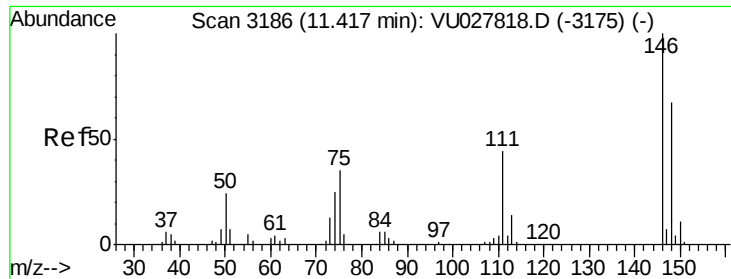
77 8.4 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 14.612 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027821.D

Acq: 26 Oct 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

A40G4ME

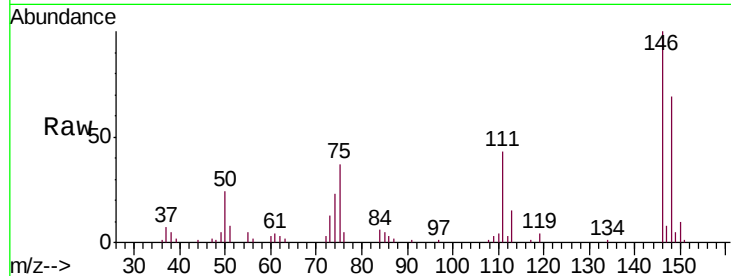
Tgt Ion:146 Resp: 23370

Ion Ratio Lower Upper

146 100

111 43.4 28.1 52.3

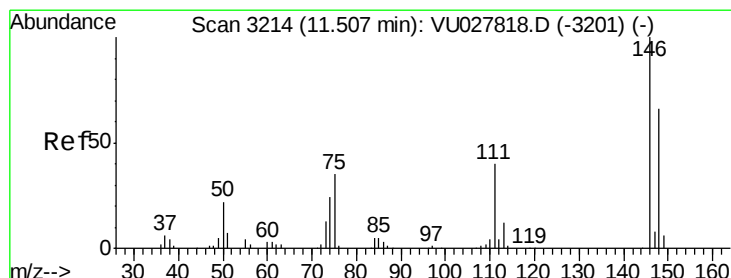
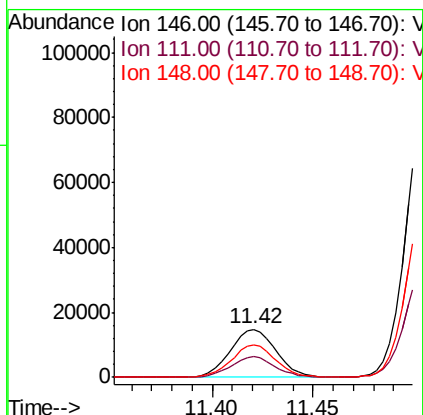
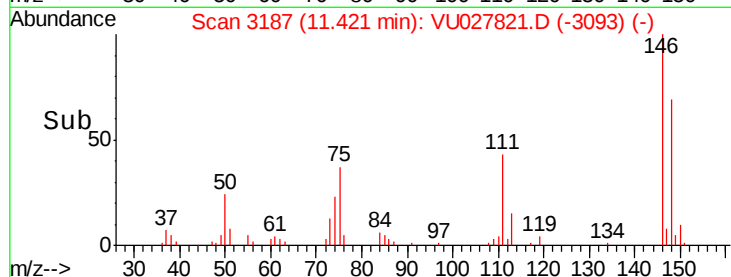
148 68.7 43.7 81.1



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: 107.160 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027821.D

Acq: 26 Oct 2018 10:27

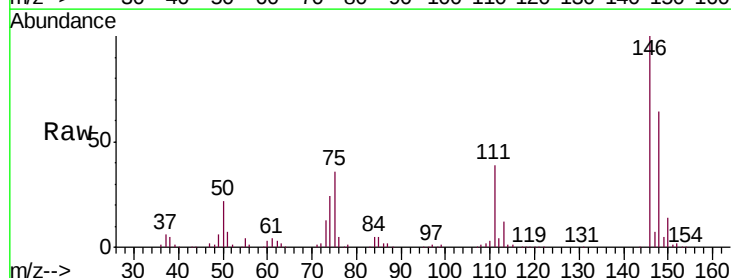
Tgt Ion:146 Resp: 174756

Ion Ratio Lower Upper

146 100

111 38.9 27.5 51.1

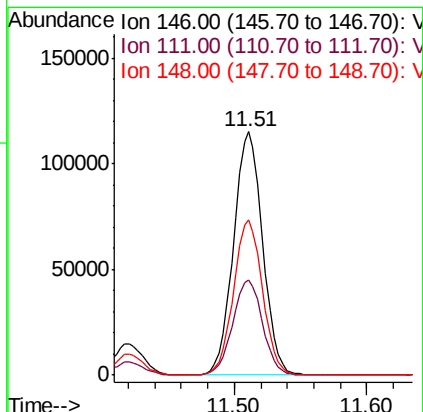
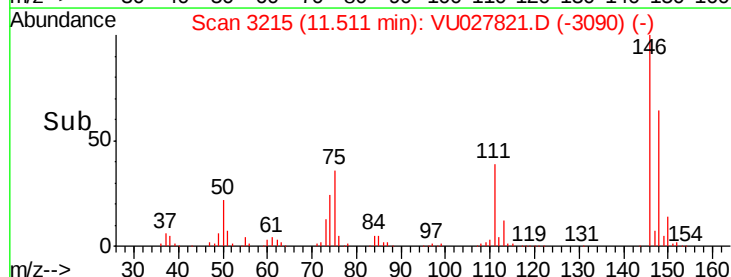
148 63.6 44.1 81.9

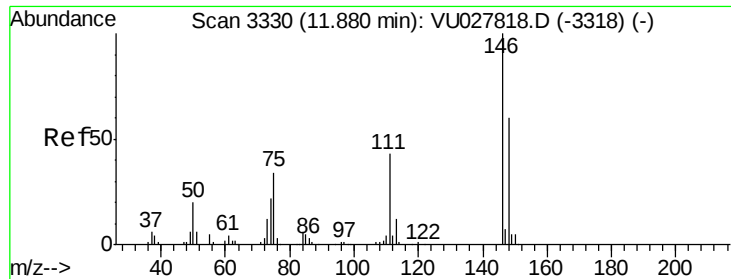


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

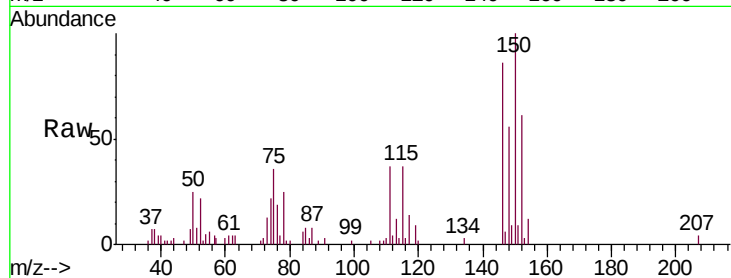




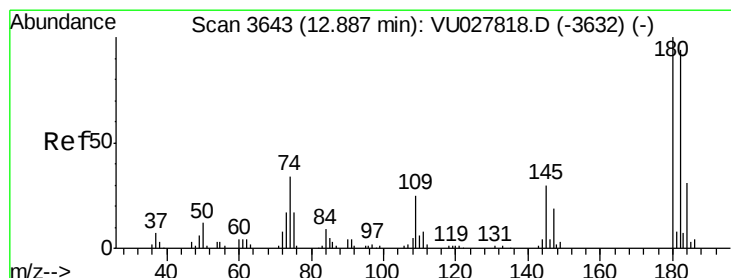
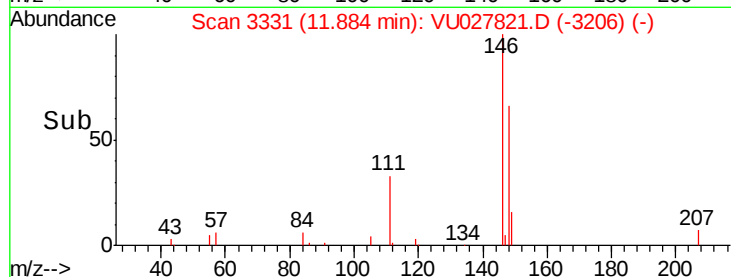
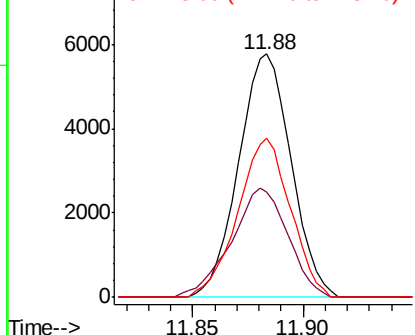
#65
 1,2-Dichlorobenzene
 Concen: 5.793 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 A40G4ME

Tgt Ion:146 Resp: 9529
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.8 50.8
 148 65.4 51.5 77.3

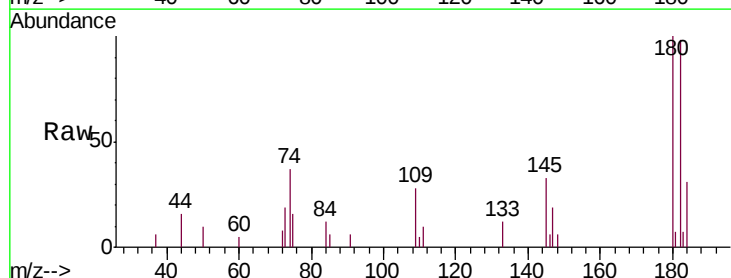


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

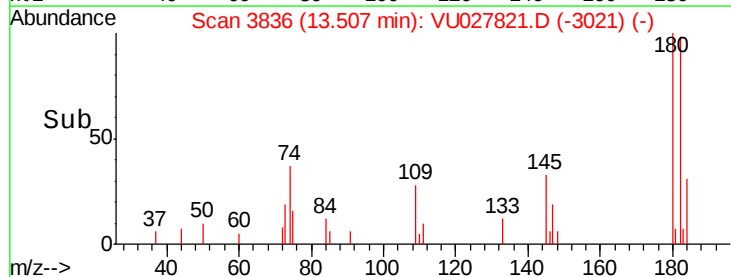
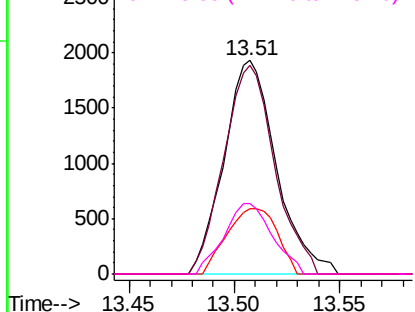


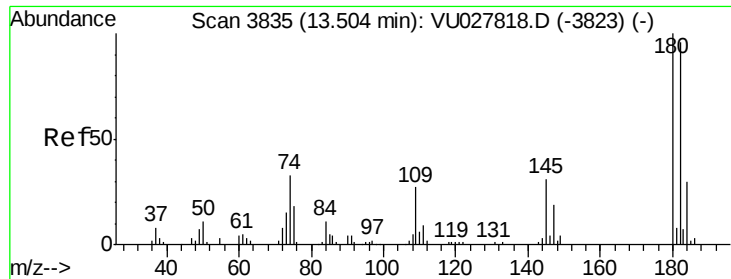
#67
 1,3,5-Trichlorobenzene
 Concen: 2.693 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

Tgt Ion:180 Resp: 3331
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 29.2 24.7 37.1
 145 30.5 23.0 34.4



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

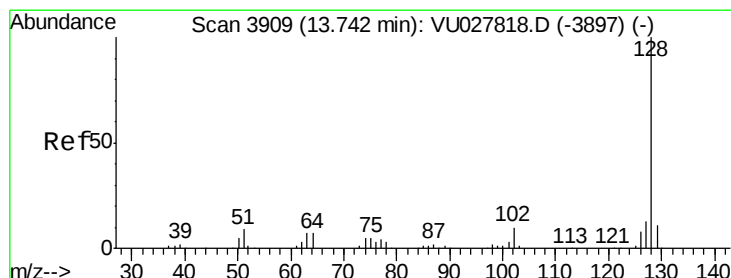
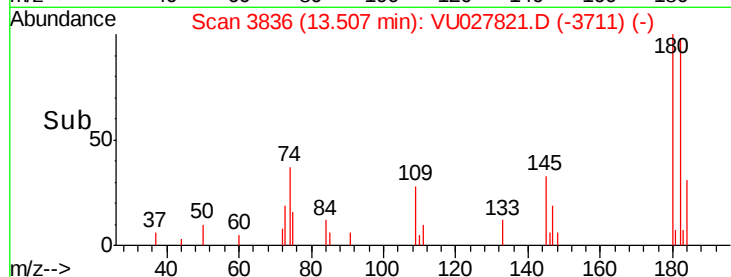
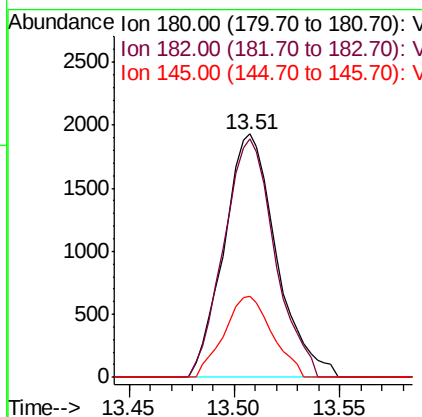
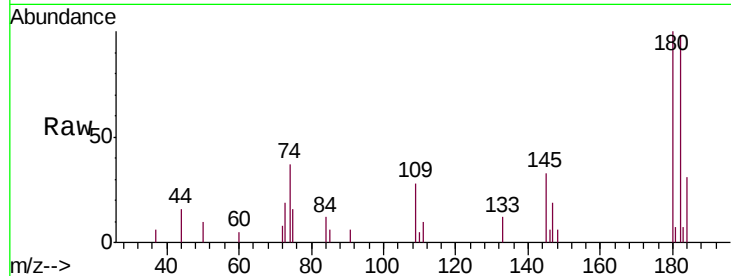




#68
 1,2,4-trichlorobenzene
 Concen: 3.033 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 A40G4ME

Tgt Ion:180 Resp: 3331
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.1 115.7
 145 30.5 23.4 35.0



#69
 Naphthalene
 Concen: 0.669 ug/L
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU027821.D
 Acq: 26 Oct 2018 10:27

Tgt Ion:128 Resp: 2371
 Ion Ratio Lower Upper
 128 100
 127 5.9 10.9 16.3#
 129 1.9 8.7 13.1#

