

Data File : VU027822.D
Acq On : 26 Oct 2018 10:50
Operator : MD/SY
Sample : J5635-22ME
Misc : 4.83g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A40F8ME

Quant Time: Oct 27 01:44:31 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	67087	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	67548	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	37919	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29281	56.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.20%
7) Chloroethane-d5	1.64	69	26378	65.64	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.28%#
11) 1,1-Dichloroethene-d2	2.23	63	42232	44.92	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
21) 2-Butanone-d5	4.20	46	64251	144.44	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	144.44%#
24) Chloroform-d	4.65	84	58370	62.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.40%
26) 1,2-Dichloroethane-d4	5.31	65	44874	69.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	138.12%#
32) Benzene-d6	5.33	84	108359	56.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.66%
36) 1,2-Dichloropropane-d6	6.33	67	40547	59.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.08%
41) Toluene-d8	7.57	98	103388	58.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.52%
43) trans-1,3-Dichloropropene-	7.85	79	20558	61.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	123.28%
47) 2-Hexanone-d5	8.33	63	50763	144.43	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	144.43%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	61340	69.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	138.32%#
64) 1,2-Dichlorobenzene-d4	11.86	152	48029	61.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.68%#

Target Compounds

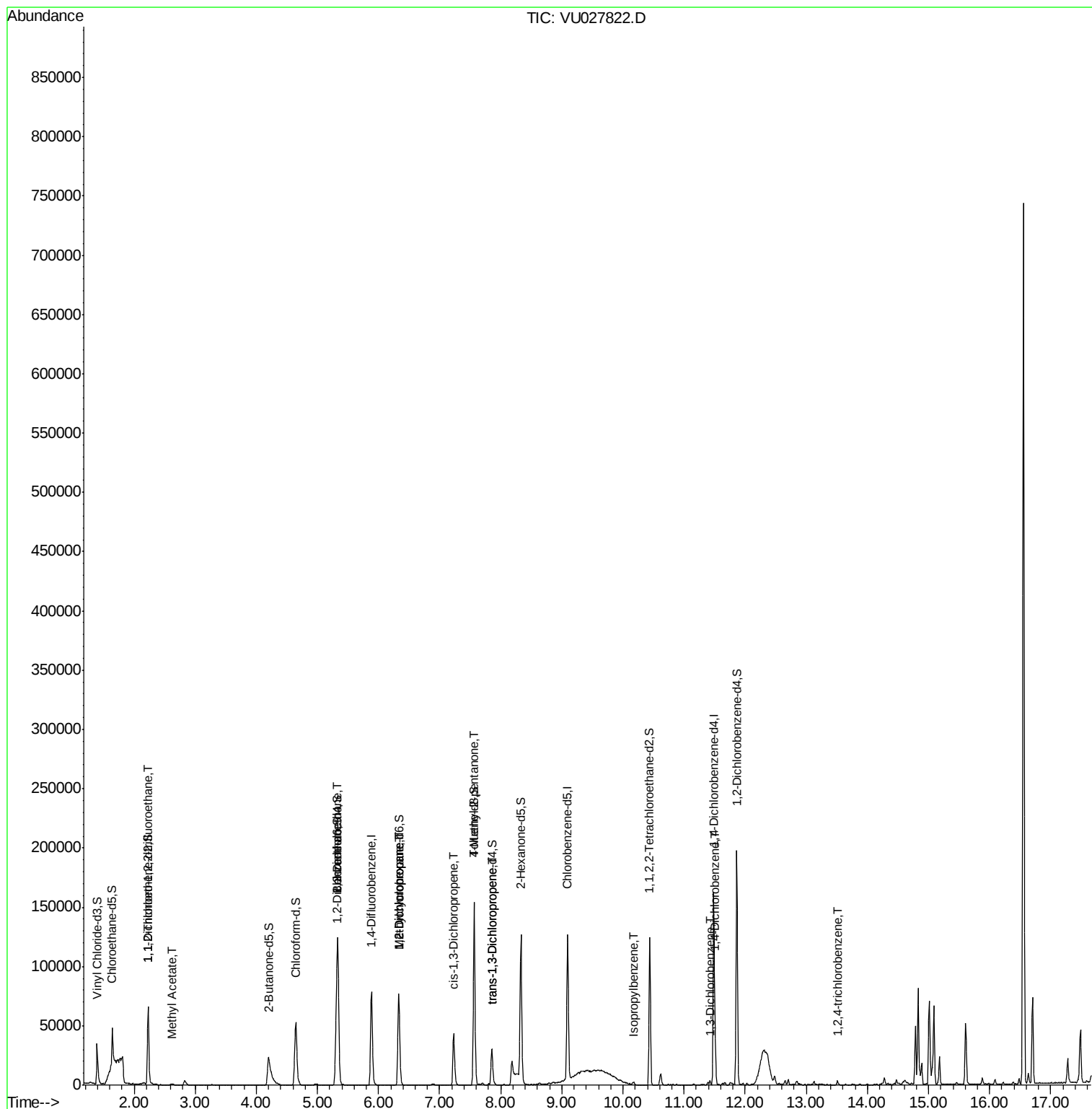
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	230	0.575 ug/L #	18
15) Methyl Acetate	2.63	43	1389	2.130 ug/L #	86
27) 1,2-Dichloroethane	5.33	62	703	0.930 ug/L #	78
35) Methylcyclohexane	6.33	83	9344	10.740 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	4685	7.891 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1201	1.314 ug/L	90
40) 4-Methyl-2-pentanone	7.57	43	672	0.704 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	887	1.026 ug/L	98
56) Isopropylbenzene	10.17	105	1969	0.867 ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	1583	1.392 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	10480	9.039 ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	1235	1.582 ug/L	95

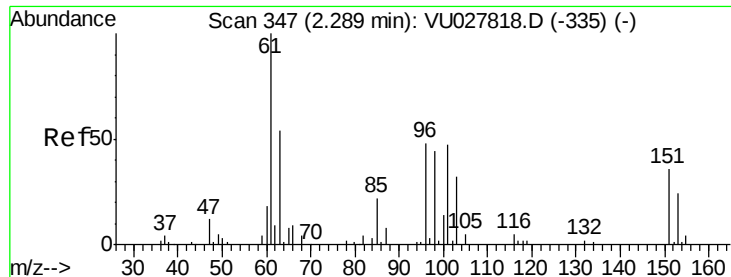
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.575 ug/L

RT: 2.23 min Scan# 329

Delta R.T. -0.06 min

Lab File: VU027822.D

Acq: 26 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

A40F8ME

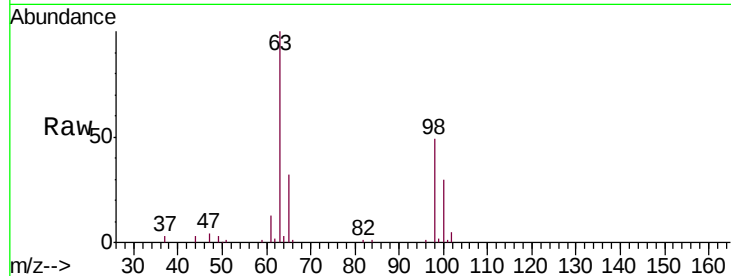
Tgt Ion: 101 Resp: 230

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

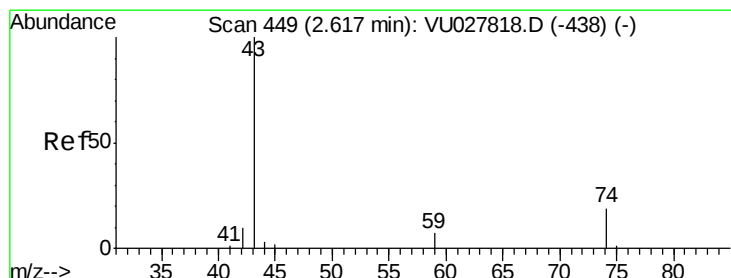
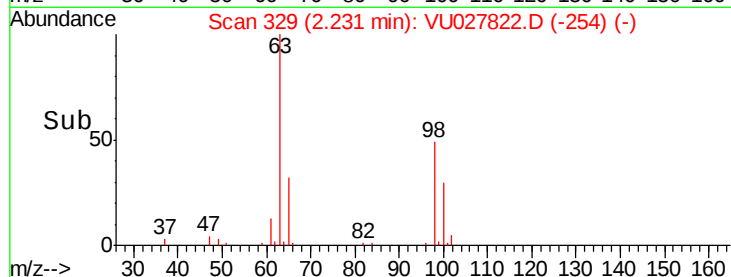
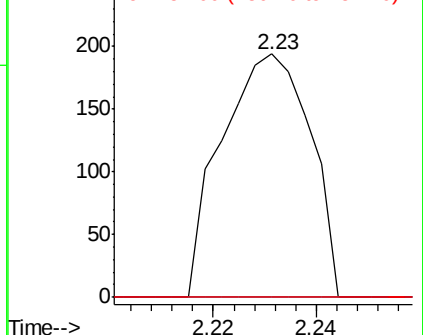
151 0.0 62.0 93.0#



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



#15

Methyl Acetate

Concen: 2.130 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU027822.D

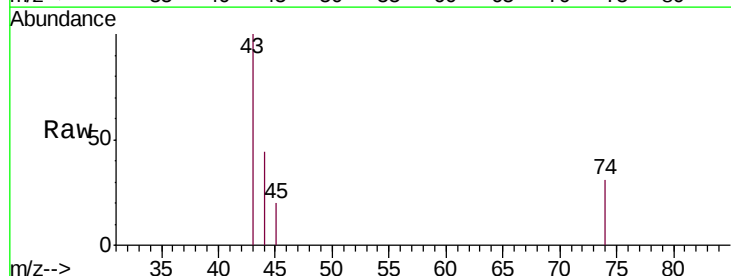
Acq: 26 Oct 2018 10:50

Tgt Ion: 43 Resp: 1389

Ion Ratio Lower Upper

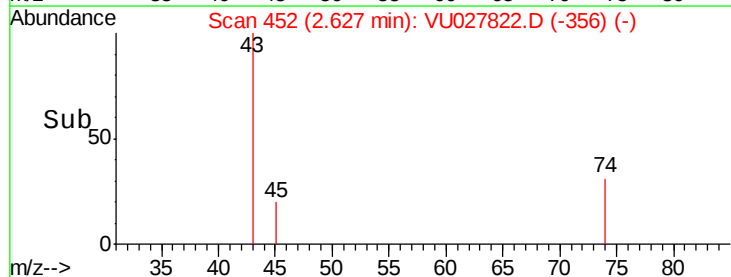
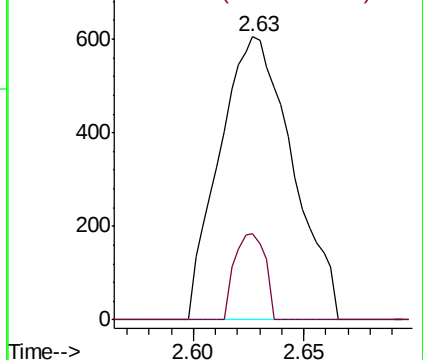
43 100

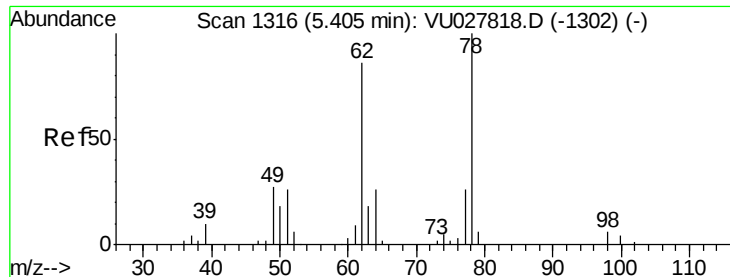
74 12.8 15.1 22.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#27

1,2-Dichloroethane

Concen: 0.930 ug/L

RT: 5.33 min Scan# 1292

Delta R.T. -0.08 min

Lab File: VU027822.D

Acq: 26 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

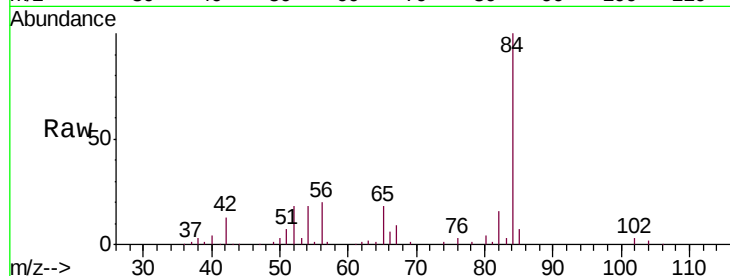
A40F8ME

Tgt Ion: 62 Resp: 703

Ion Ratio Lower Upper

62 100

98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.33

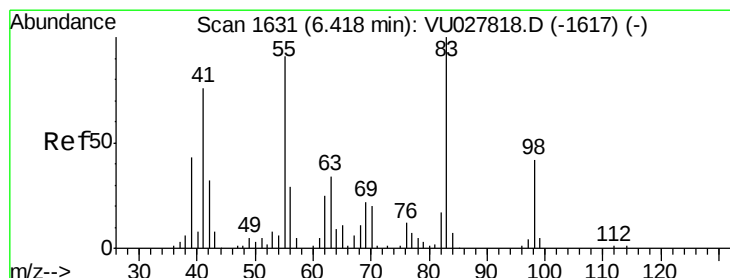
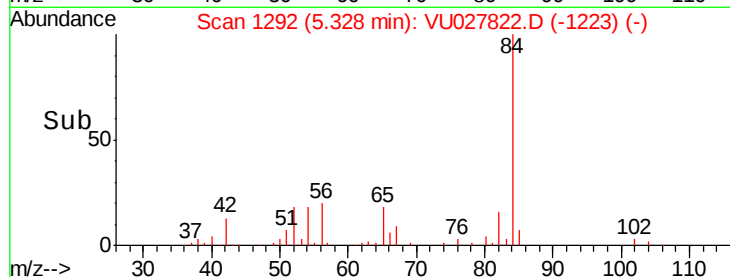
300

200

100

0

Time-->



#35

Methylcyclohexane

Concen: 10.740 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU027822.D

Acq: 26 Oct 2018 10:50

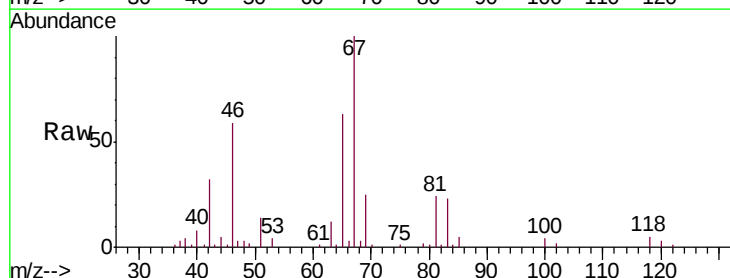
Tgt Ion: 83 Resp: 9344

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

5000

4000

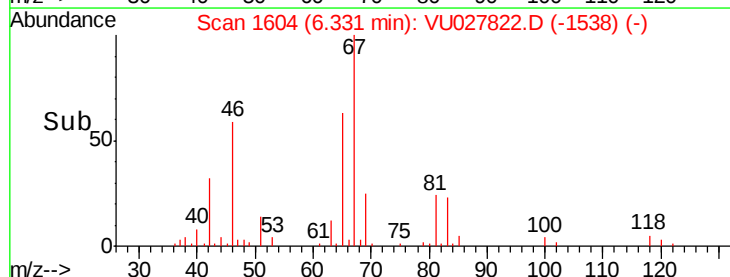
3000

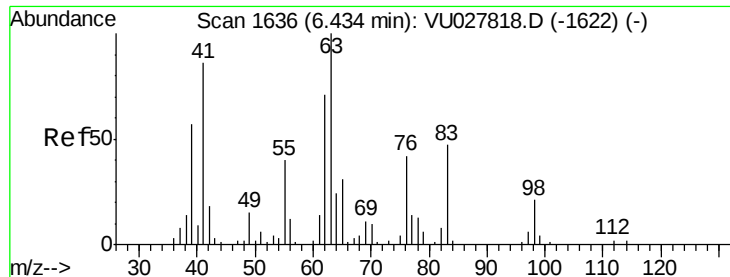
2000

1000

0

Time-->

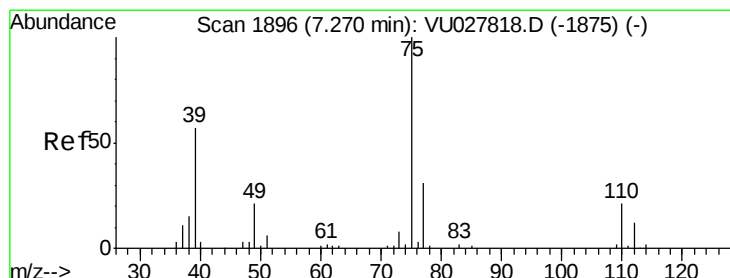
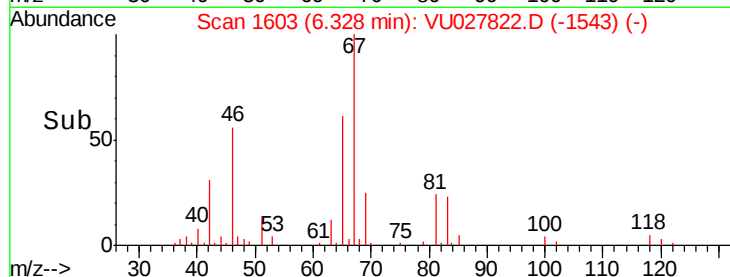
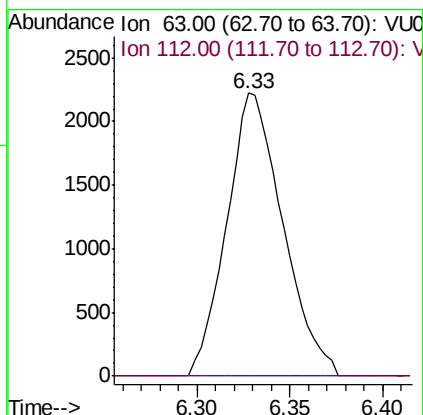
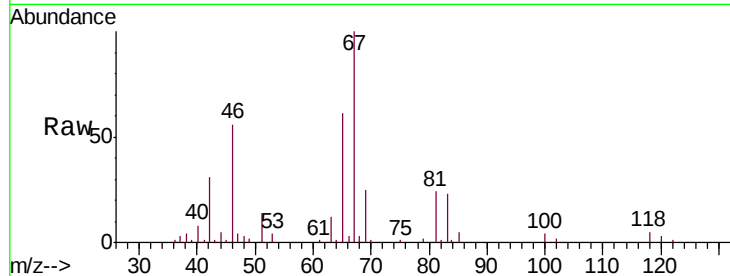




#37
 1,2-Dichloropropane
 Concen: 7.891 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.11 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

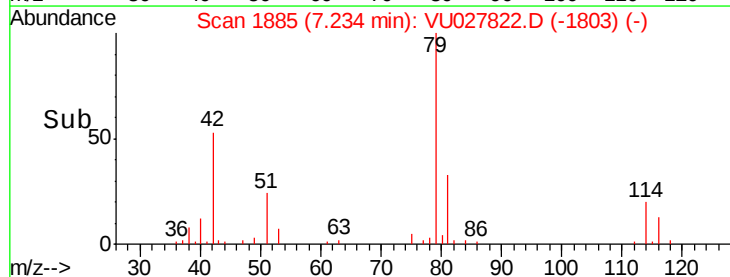
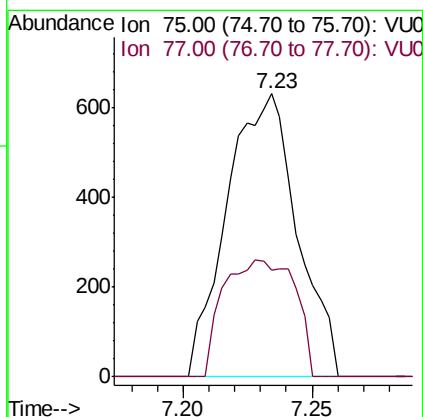
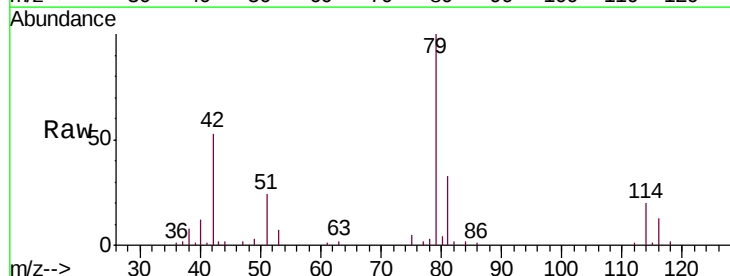
Instrument :
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 ClientSampleId :
 A40F8ME

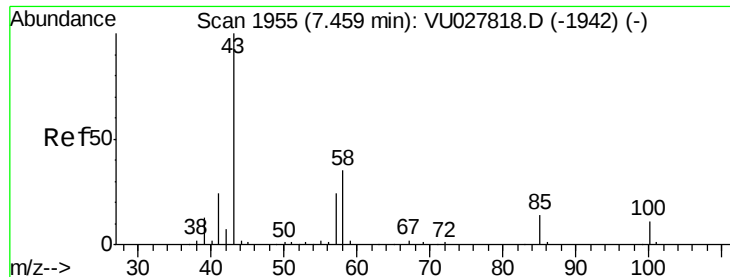
Tgt Ion: 63 Resp: 4685
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.314 ug/L
 RT: 7.23 min Scan# 1885
 Delta R.T. -0.04 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

Tgt Ion: 75 Resp: 1201
 Ion Ratio Lower Upper
 75 100
 77 37.7 22.5 41.7

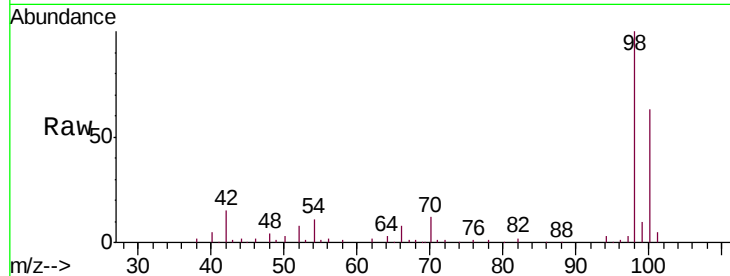




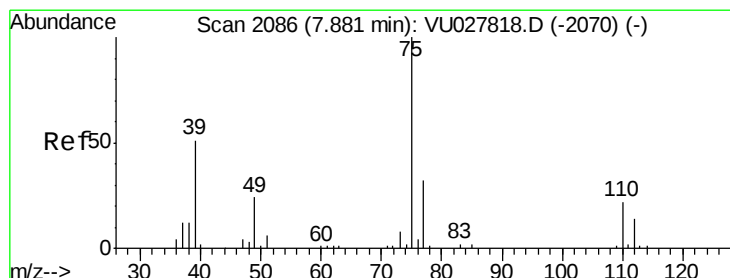
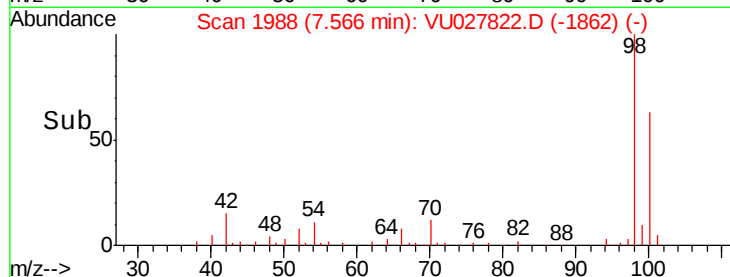
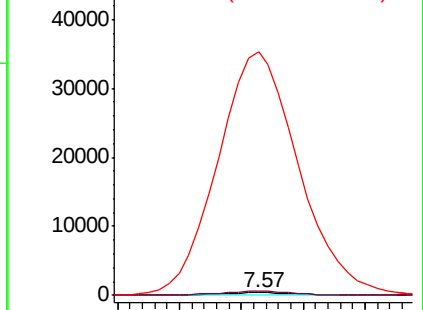
#40
 4-Methyl-2-pentanone
 Concen: 0.704 ug/L
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.11 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 A40F8ME

Tgt Ion: 43 Resp: 672
 Ion Ratio Lower Upper
 43 100
 58 134.4 28.3 42.5#
 100 9618.5 9.1 13.7#

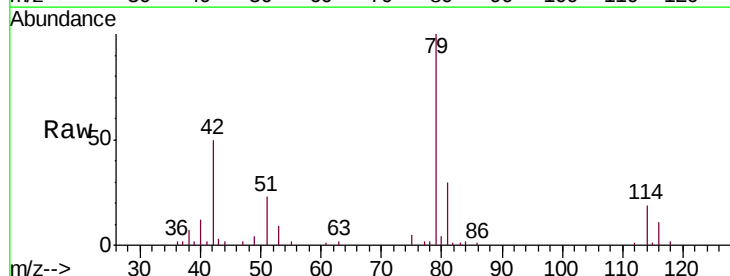


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

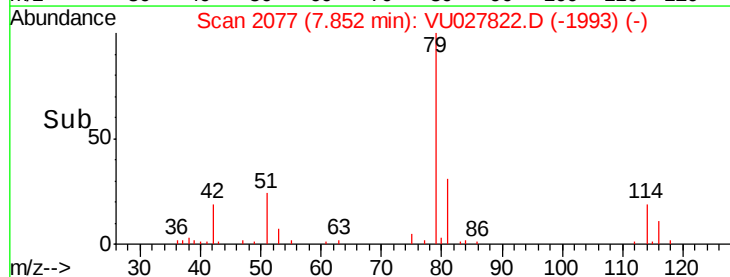
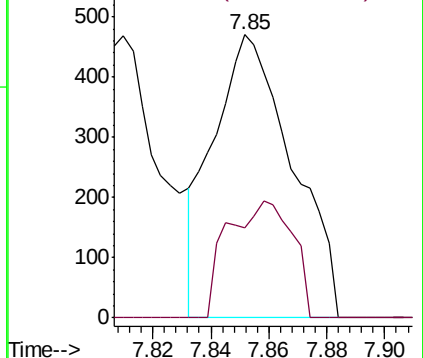


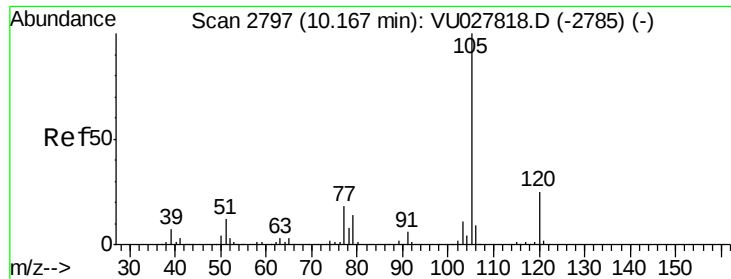
#44
 trans-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

Tgt Ion: 75 Resp: 887
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#56

Isopropylbenzene

Concen: 0.867 ug/L

RT: 10.17 min Scan# 2799

Delta R.T. 0.01 min

Lab File: VU027822.D

Acq: 26 Oct 2018 10:50

Instrument :

MSVOA_U

ClientSampleId :

A40F8ME

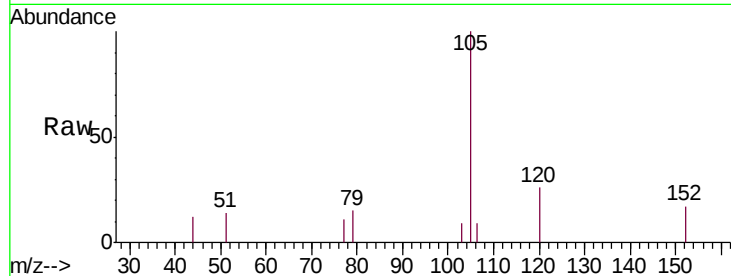
Tgt Ion:105 Resp: 1969

Ion Ratio Lower Upper

105 100

120 24.9 21.0 31.6

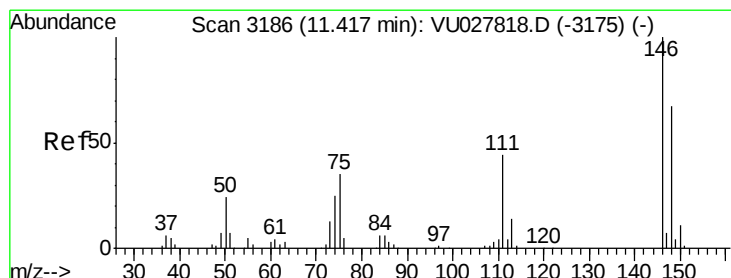
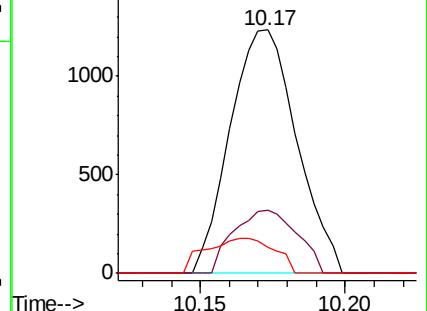
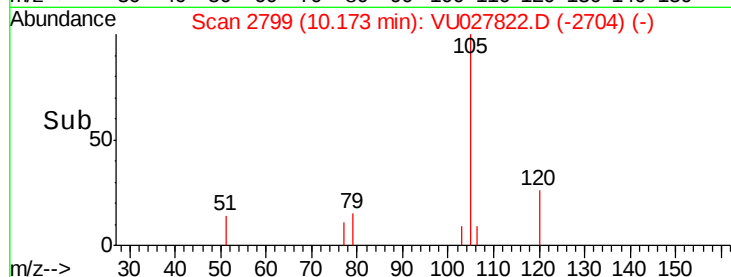
77 11.5 13.7 20.5#



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): VU0



#62

1,3-Dichlorobenzene

Concen: 1.392 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027822.D

Acq: 26 Oct 2018 10:50

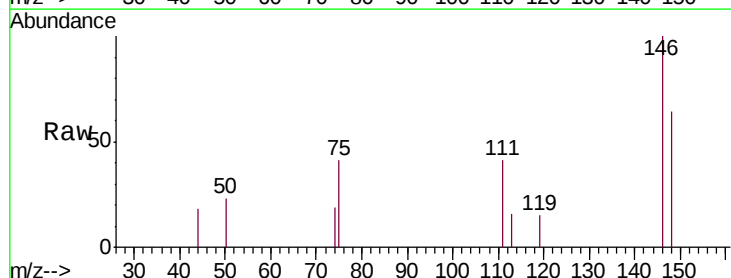
Tgt Ion:146 Resp: 1583

Ion Ratio Lower Upper

146 100

111 41.4 28.1 52.3

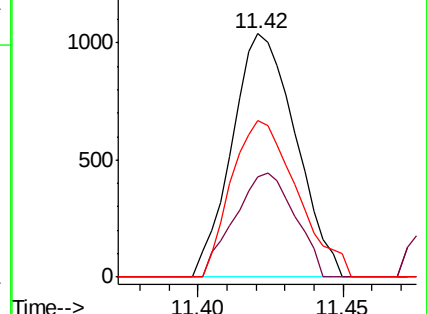
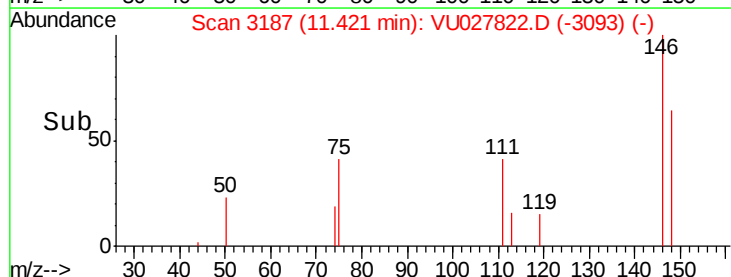
148 64.3 43.7 81.1

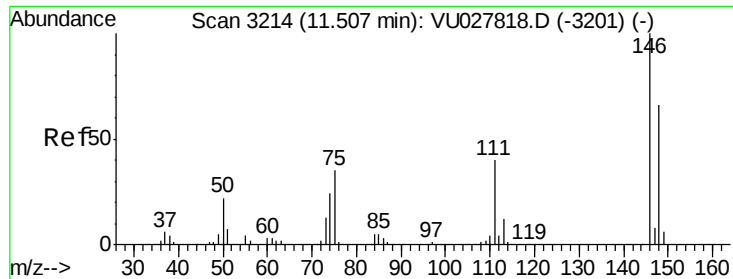


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

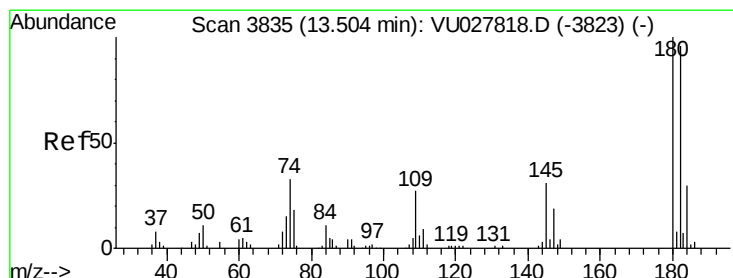
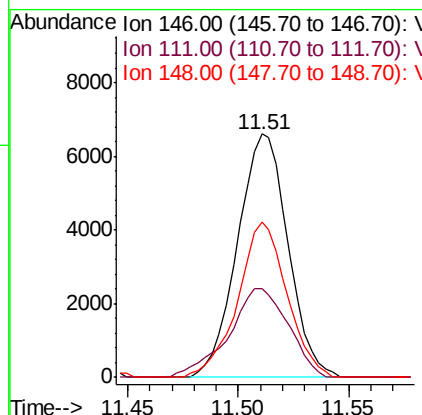
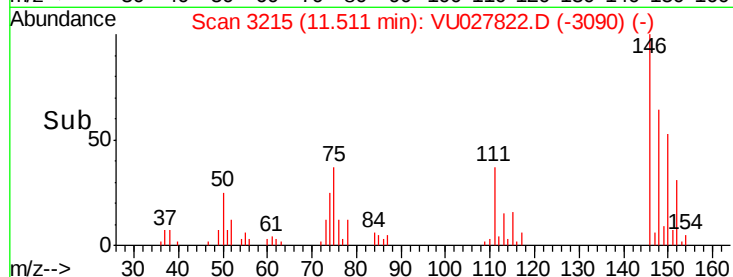
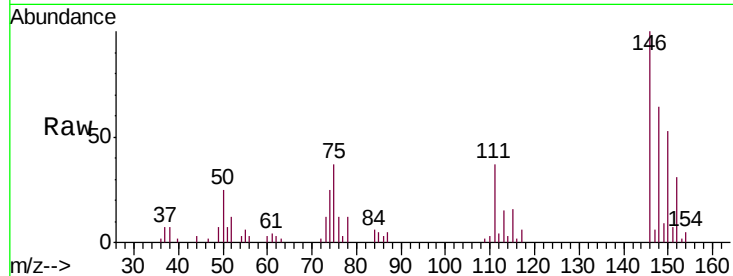




#63
 1,4-Dichlorobenzene
 Concen: 9.039 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 A40F8ME

Tgt Ion:146 Resp: 10480
 Ion Ratio Lower Upper
 146 100
 111 36.6 27.5 51.1
 148 63.8 44.1 81.9



#68
 1,2,4-trichlorobenzene
 Concen: 1.582 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027822.D
 Acq: 26 Oct 2018 10:50

Tgt Ion:180 Resp: 1235
 Ion Ratio Lower Upper
 180 100
 182 91.9 77.1 115.7
 145 25.0 23.4 35.0

