

Data File : VU026667.D
Acq On : 10 Sep 2018 22:19
Operator : MD/SY
Sample : J4837-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08N3

Quant Time: Sep 11 07:11:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 11 07:07:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	178787	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168621	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71879	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62923	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.68	69	53077	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.88%
11) 1,1-Dichloroethene-d2	2.27	63	84799	35.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.12%
21) 2-Butanone-d5	4.18	46	89490	107.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	4.65	84	107583	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	5.31	65	73045	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
32) Benzene-d6	5.34	84	222478	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.96%
36) 1,2-Dichloropropane-d6	6.33	67	76564	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.56%
41) Toluene-d8	7.57	98	198328	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%
43) trans-1,3-Dichloropropene-	7.85	79	32440	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.30%
47) 2-Hexanone-d5	8.31	63	62983	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100486	50.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	75741	52.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.72%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1016	0.687 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	775	0.706 ug/L #	18
13) Acetone	2.32	43	1185	1.255 ug/L	75
25) Chloroform	4.67	83	8093	3.717 ug/L	98
31) Carbon tetrachloride	5.13	117	1838	1.138 ug/L	83
33) Benzene	5.40	78	4091	0.866 ug/L	100
35) Methylcyclohexane	6.33	83	17143	9.125 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7816	5.925 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1909	0.978 ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	1294	0.713 ug/L	87
51) Chlorobenzene	9.12	112	43458	13.523 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	10044	6.435 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	1715	0.831 ug/L	85
63) 1,4-Dichlorobenzene	11.51	146	4467	2.043 ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	12548	5.753 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	3678	2.247 ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	3678	2.585 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091018\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Sep 11 07:07:03 2018
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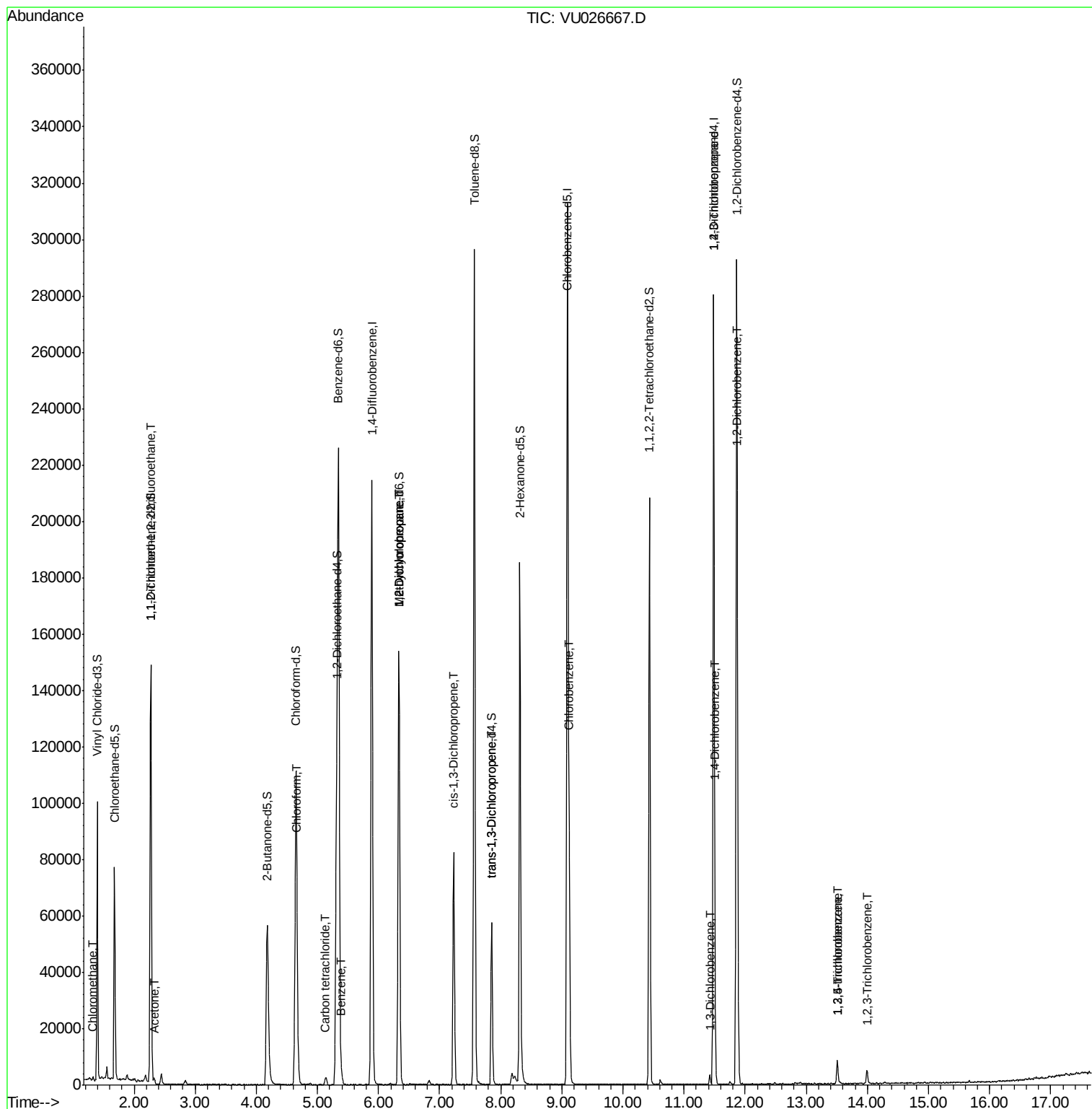
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	2355	1.528	ug/L	98

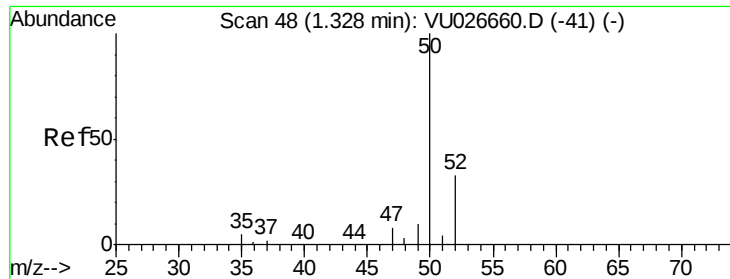
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.687 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

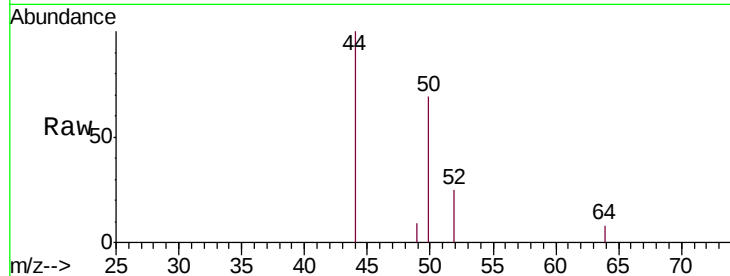
C08N3

Tgt Ion: 50 Resp: 1016

Ion Ratio Lower Upper

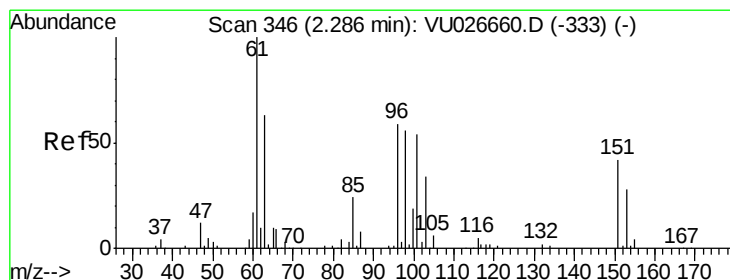
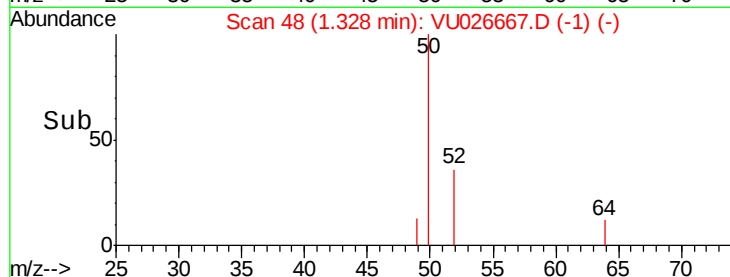
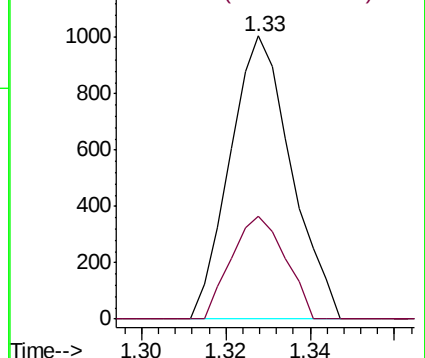
50 100

52 36.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU026667.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU026667.D (-41) (-)



#10

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

Concen: 0.706 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

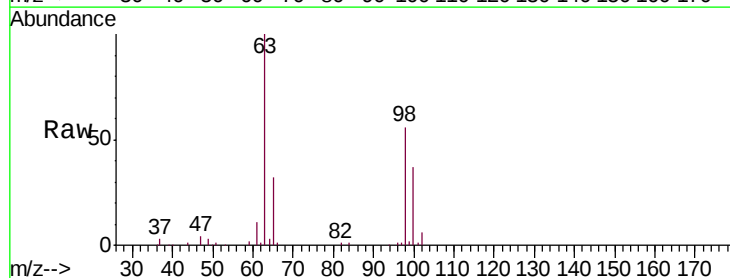
Tgt Ion: 101 Resp: 775

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

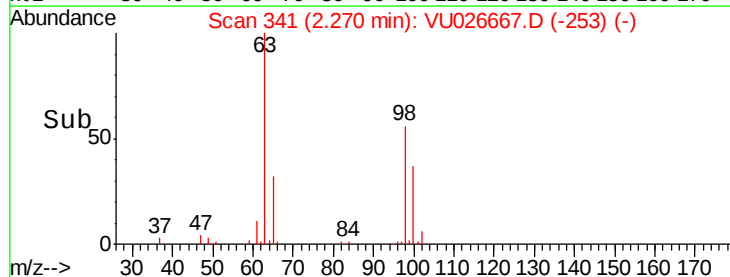
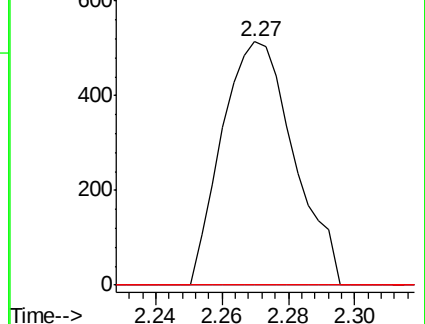
151 0.0 62.6 94.0#

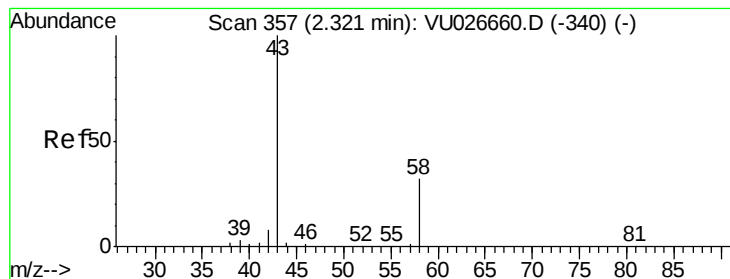


Abundance Ion 101.00 (100.70 to 101.70): VU026667.D (-253) (-)

Ion 85.00 (84.70 to 85.70): VU026667.D (-253) (-)

Ion 151.00 (150.70 to 151.70): VU026667.D (-253) (-)





#13

Acetone

Concen: 1.255 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampled :

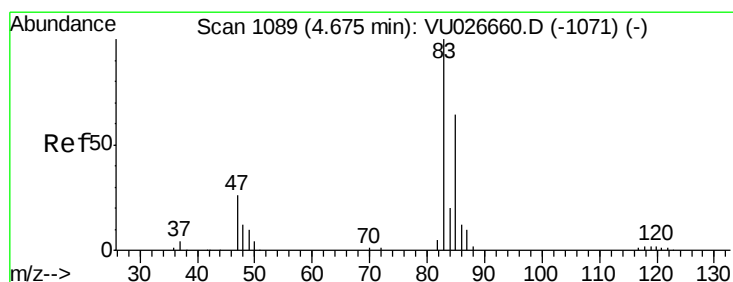
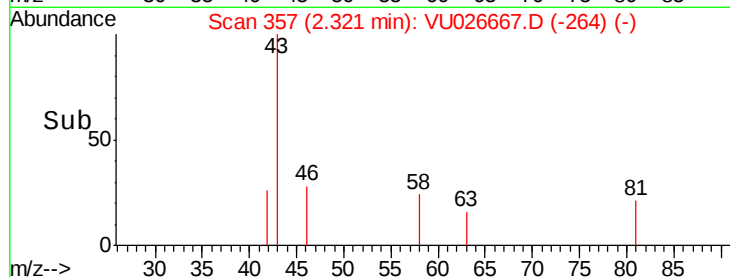
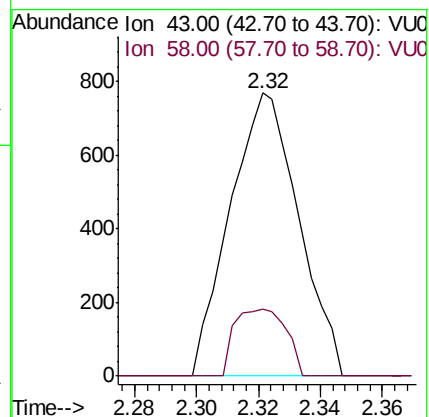
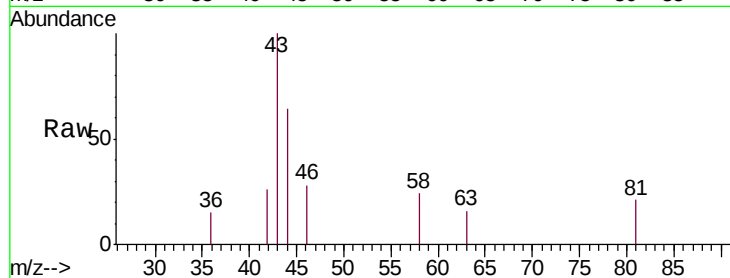
C08N3

Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

58 17.8 0.0 62.8



#25

Chloroform

Concen: 3.717 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026667.D

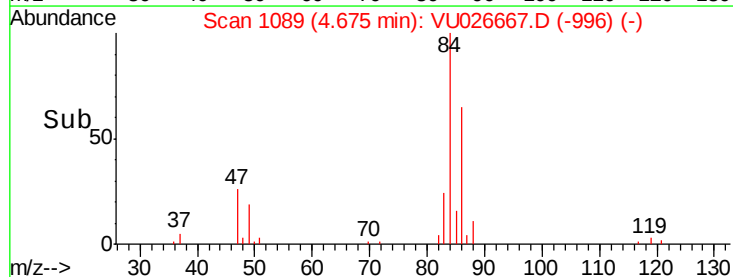
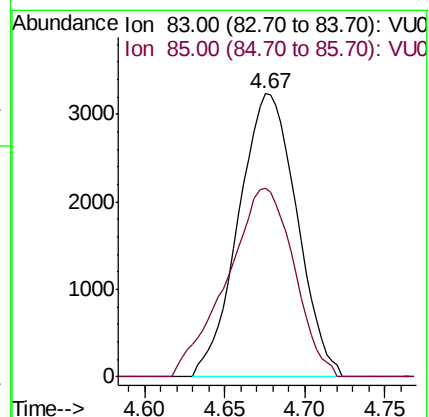
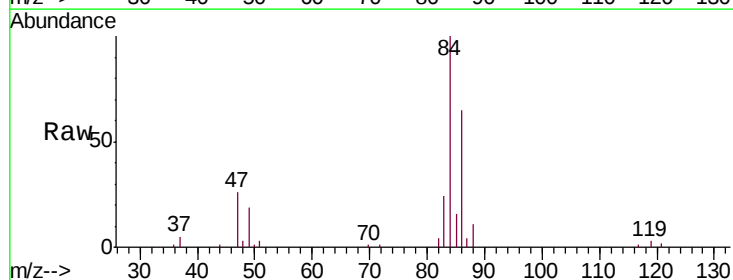
Acq: 10 Sep 2018 22:19

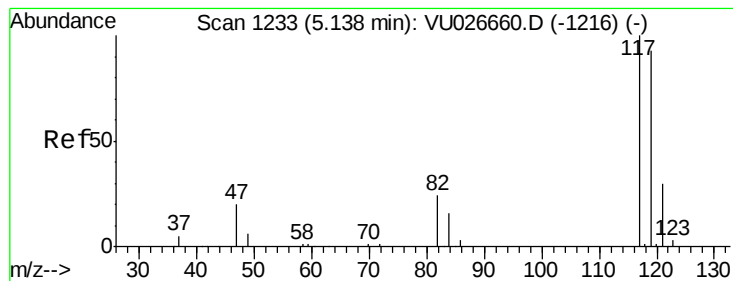
Tgt Ion: 83 Resp: 8093

Ion Ratio Lower Upper

83 100

85 66.7 45.6 84.6





#31

Carbon tetrachloride

Concen: 1.138 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

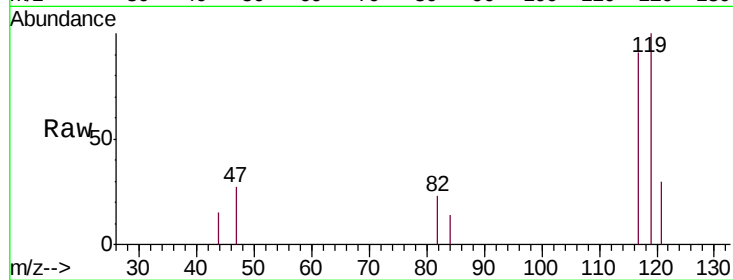
C08N3

Tgt Ion:117 Resp: 1838

Ion Ratio Lower Upper

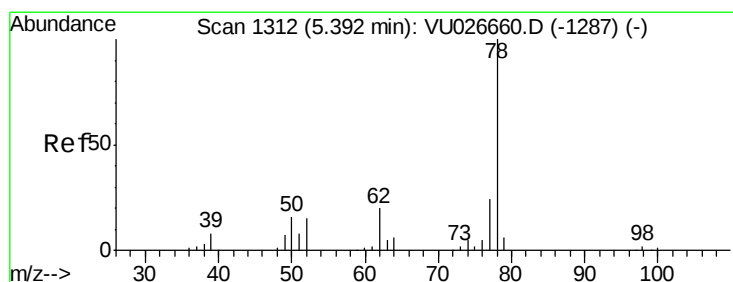
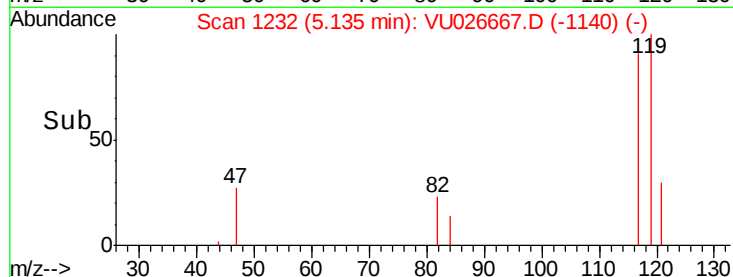
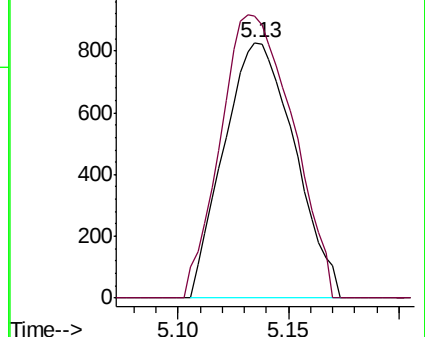
117 100

119 113.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 0.866 ug/L

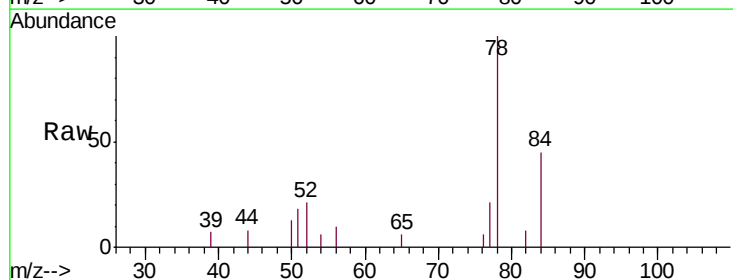
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

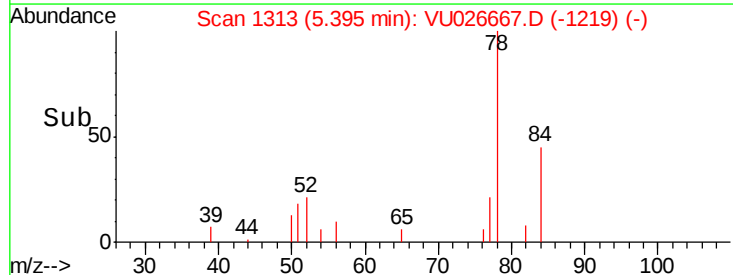
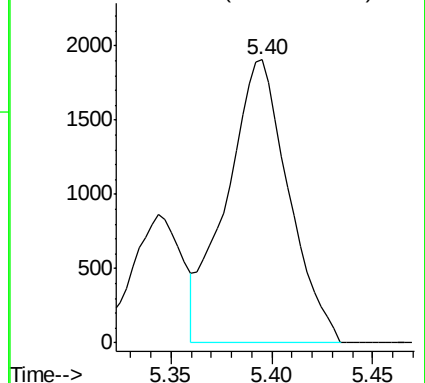
Lab File: VU026667.D

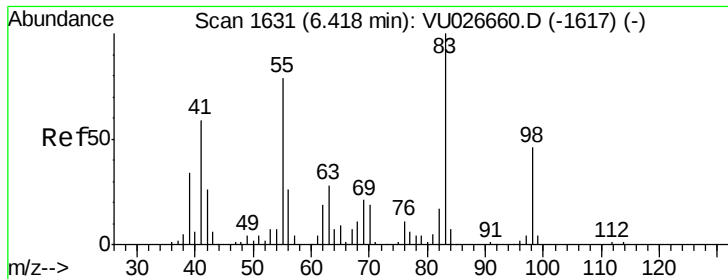
Acq: 10 Sep 2018 22:19

Tgt Ion: 78 Resp: 4091



Abundance Ion 78.00 (77.70 to 78.70): VU0

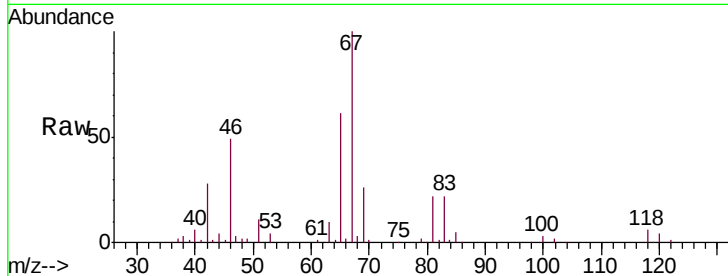




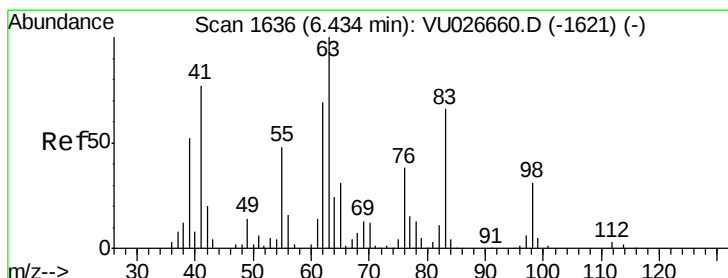
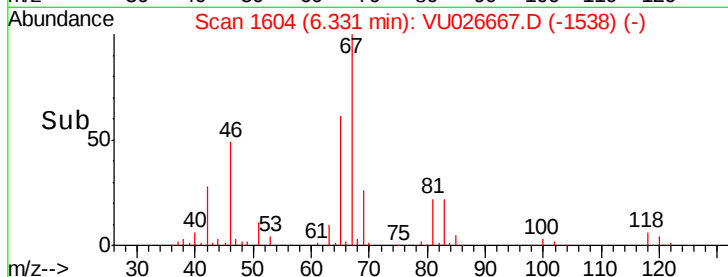
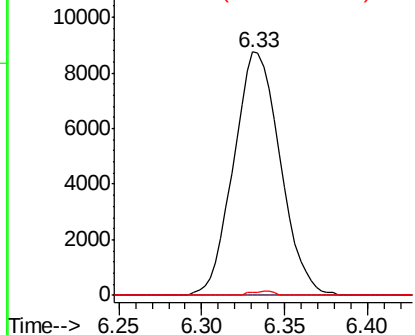
#35
Methylcyclohexane
Concen: 9.125 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_U
ClientSampleId :
C08N3

Tgt Ion: 83 Resp: 17143
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.9 37.0 55.4#

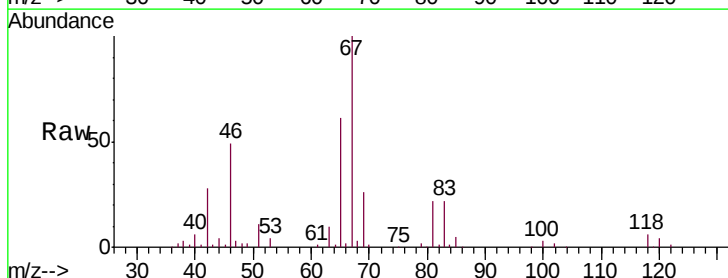


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

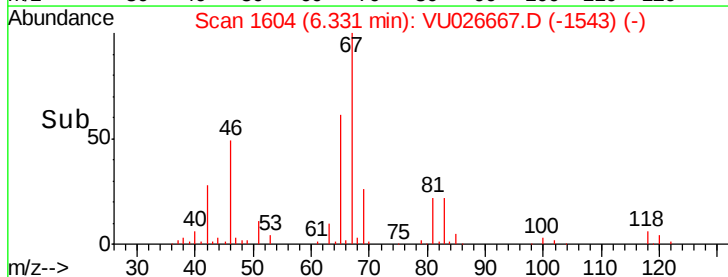
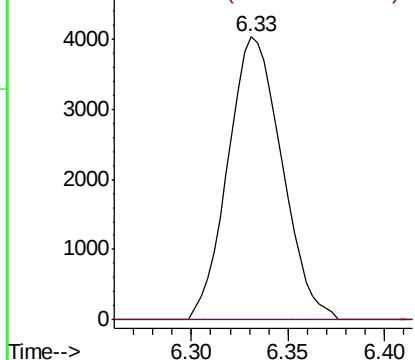


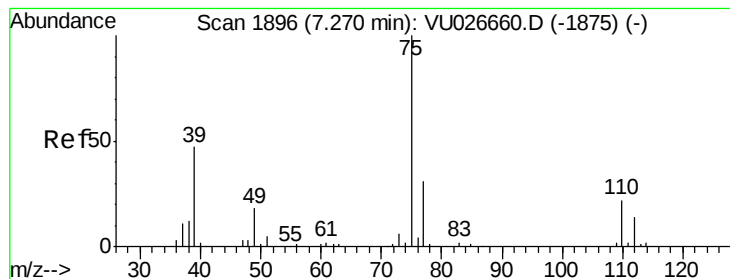
#37
1,2-Dichloropropane
Concen: 5.925 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 63 Resp: 7816
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



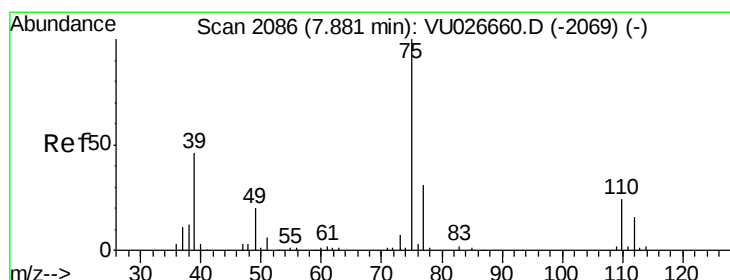
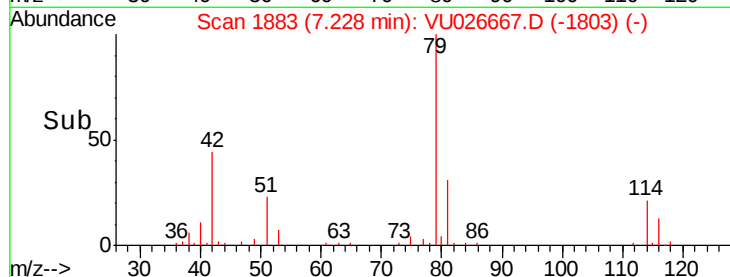
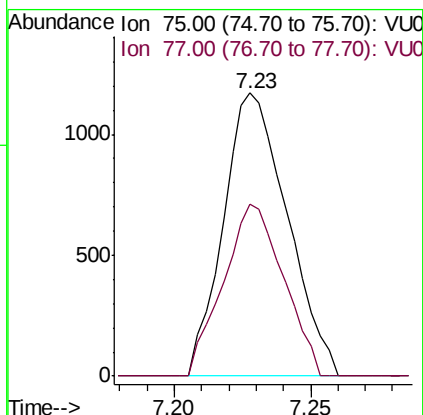
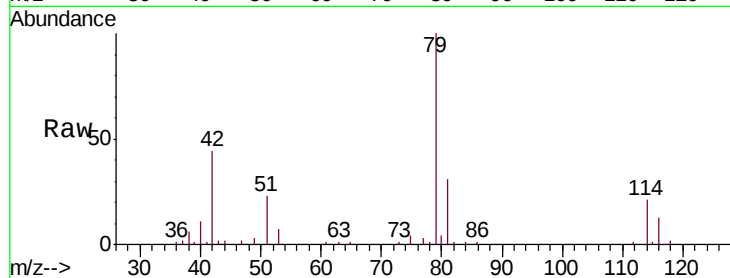


#39

cis-1,3-Dichloropropene
Concen: 0.978 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_U
ClientSampled :
C08N3

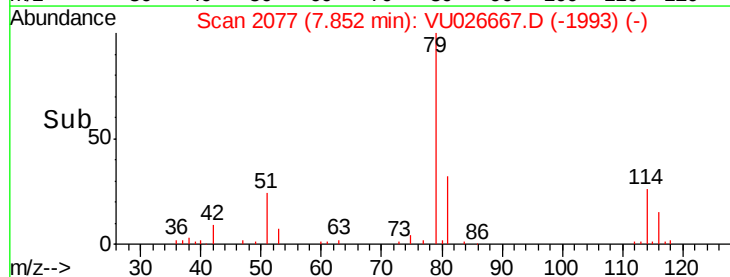
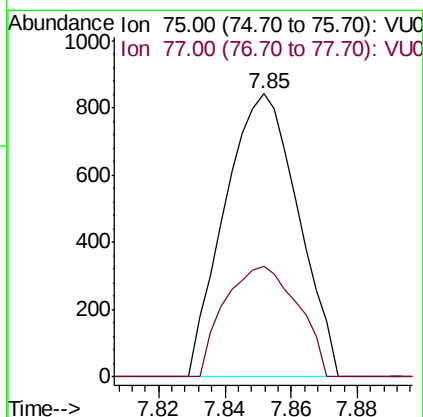
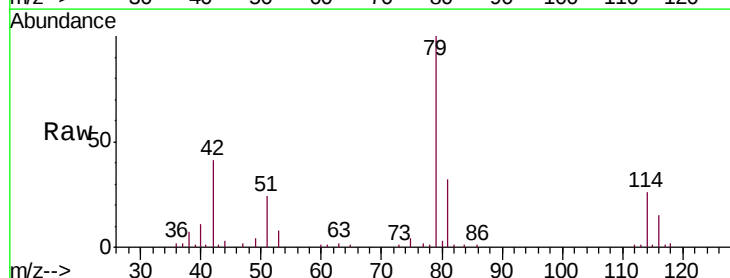
Tgt Ion: 75 Resp: 1909
Ion Ratio Lower Upper
75 100
77 60.9 22.3 41.3#

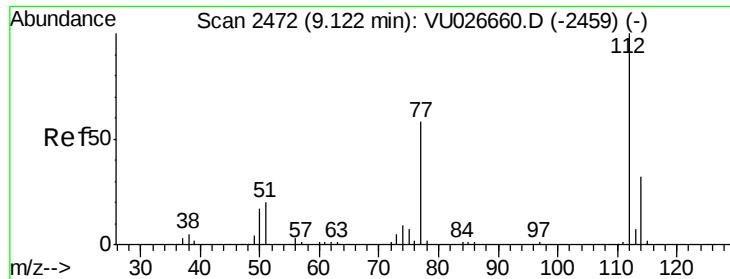


#44

trans-1,3-Dichloropropene
Concen: 0.713 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 75 Resp: 1294
Ion Ratio Lower Upper
75 100
77 39.2 22.4 41.6

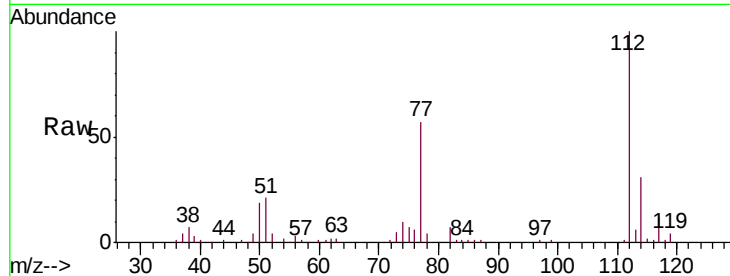




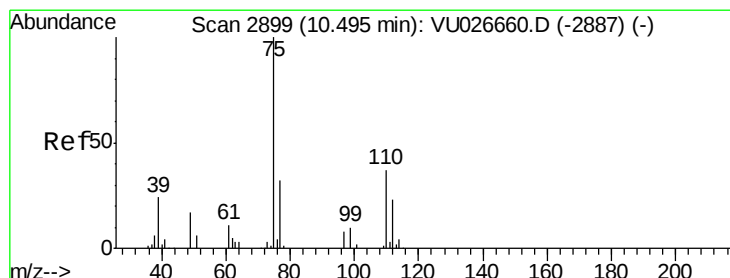
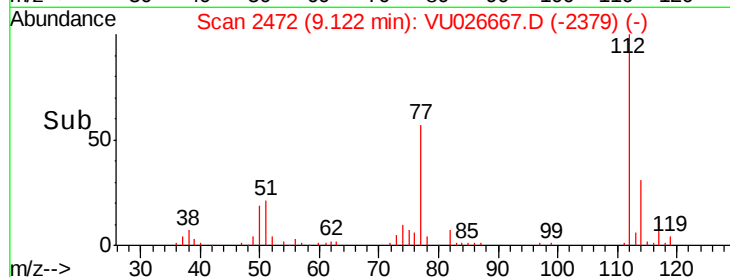
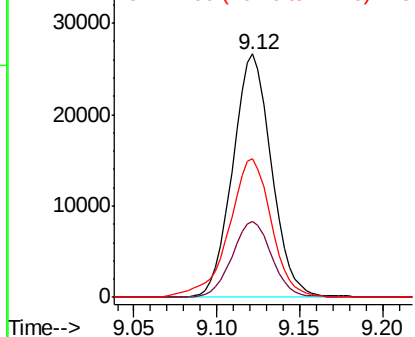
#51
Chlorobenzene
Concen: 13.523 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_U
ClientSampleId :
C08N3

Tgt Ion: 112 Resp: 43458
Ion Ratio Lower Upper
112 100
114 31.1 22.9 42.5
77 56.7 47.2 70.8

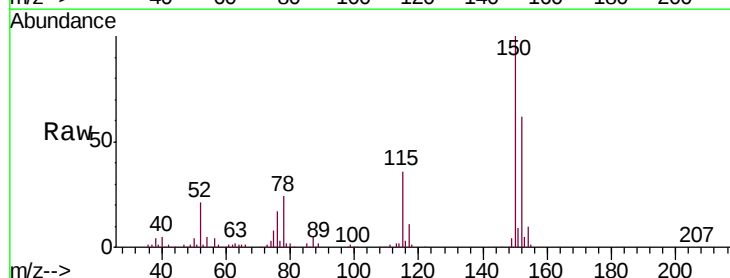


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

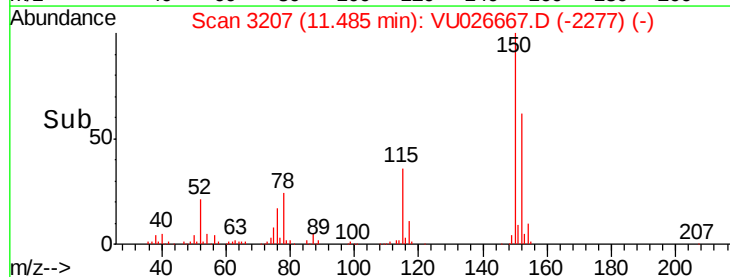
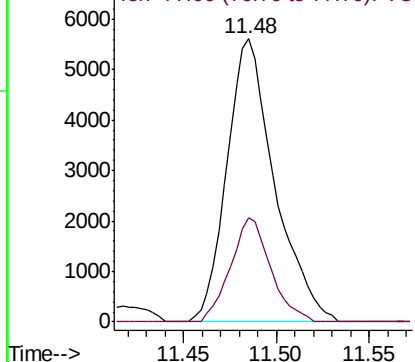


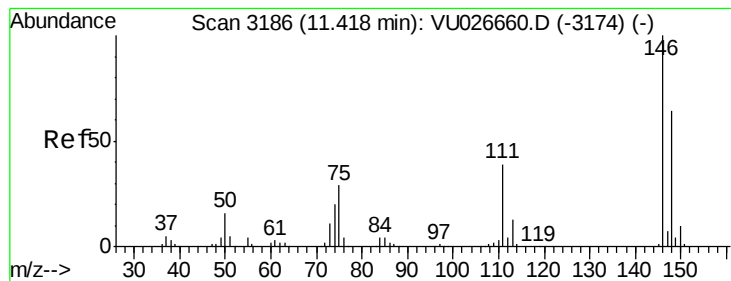
#59
1,2,3-Trichloropropane
Concen: 6.435 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026667.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 75 Resp: 10044
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6



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





#62

1,3-Dichlorobenzene

Concen: 0.831 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

C08N3

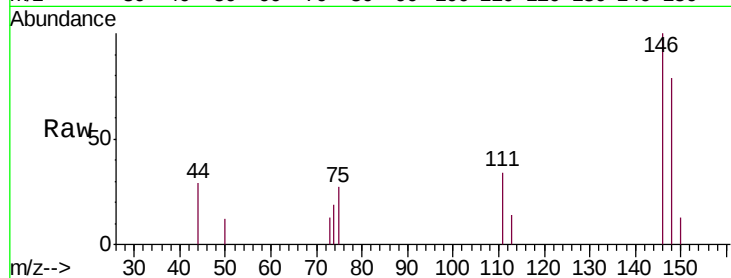
Tgt Ion:146 Resp: 1715

Ion Ratio Lower Upper

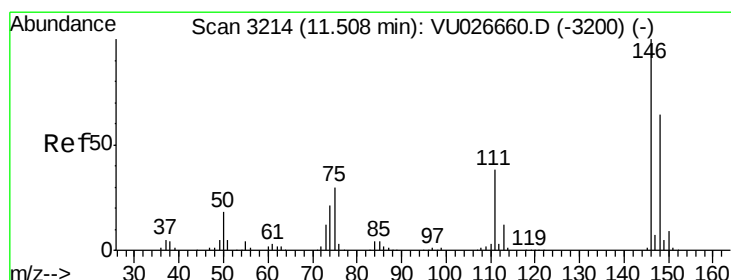
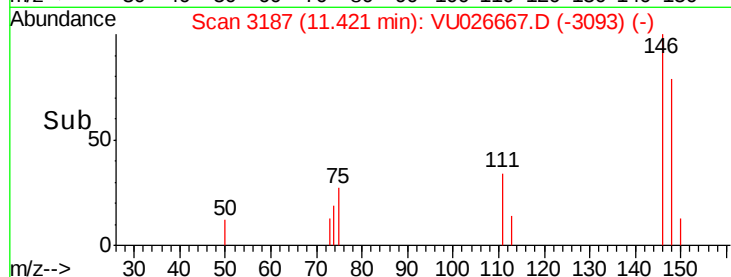
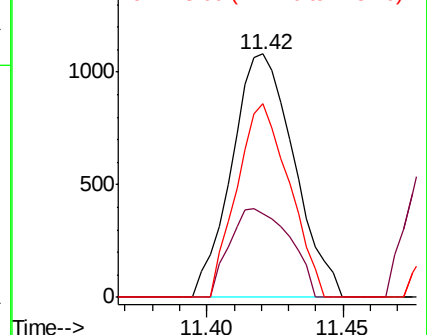
146 100

111 34.4 26.7 49.5

148 79.5 44.2 82.2



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: 2.043 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

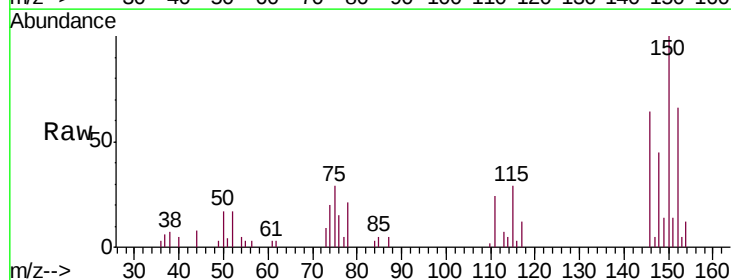
Tgt Ion:146 Resp: 4467

Ion Ratio Lower Upper

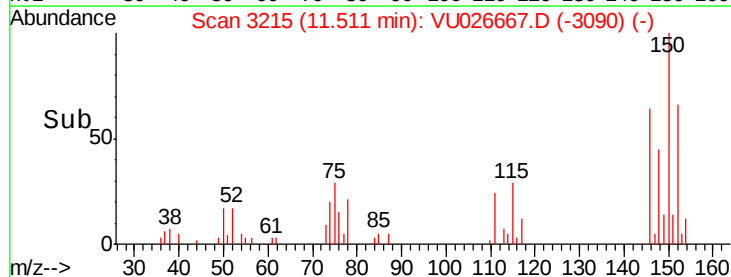
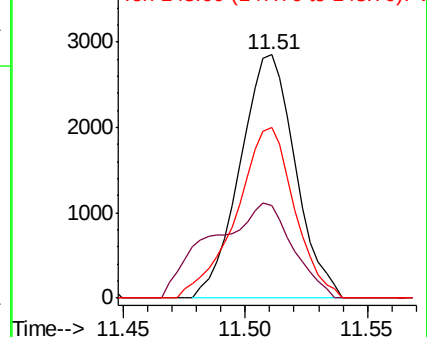
146 100

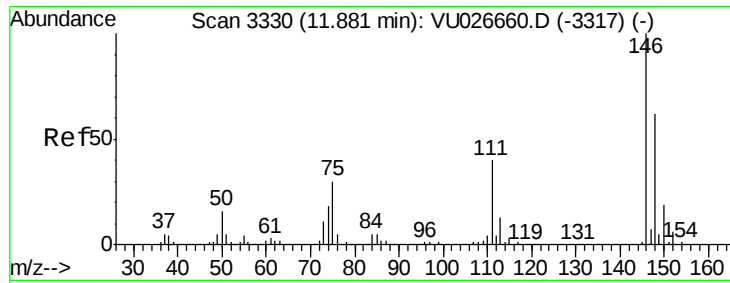
111 38.1 26.5 49.3

148 70.2 45.2 84.0



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





#65

1,2-Dichlorobenzene

Concen: 5.753 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_U

ClientSampled :

C08N3

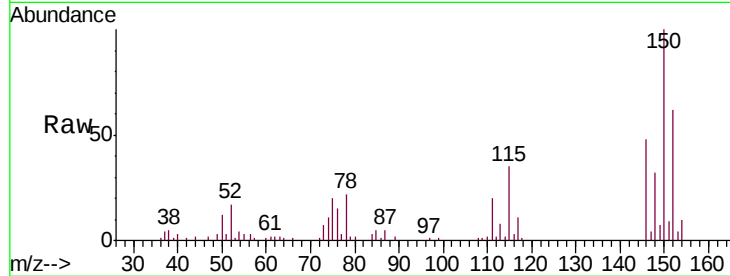
Tgt Ion:146 Resp: 12548

Ion Ratio Lower Upper

146 100

111 42.2 32.8 49.2

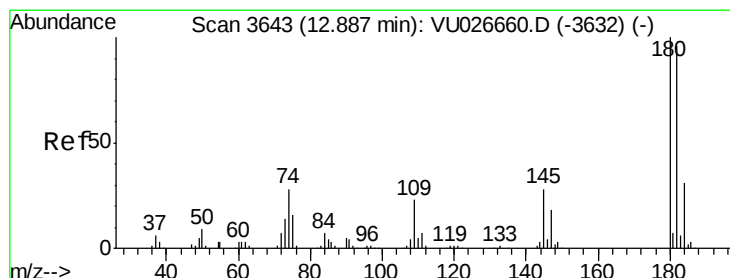
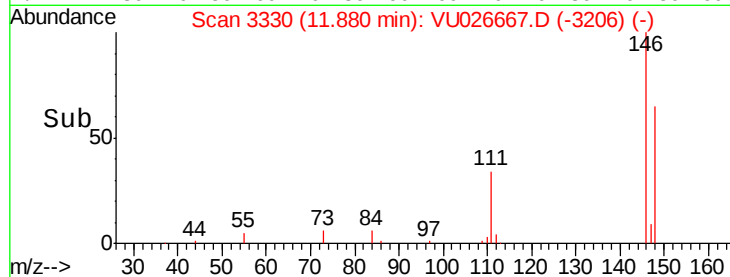
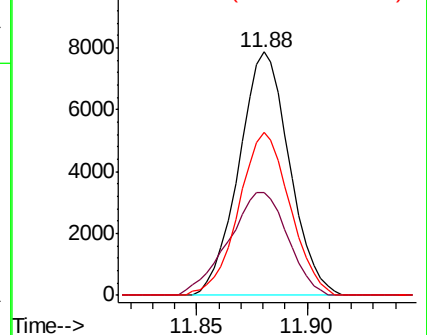
148 66.8 52.2 78.4



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: 2.247 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU026667.D

Acq: 10 Sep 2018 22:19

Tgt Ion:180 Resp: 3678

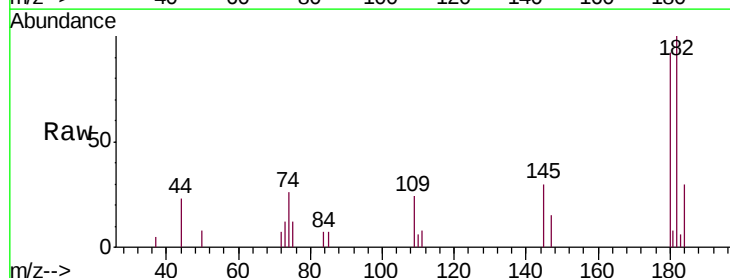
Ion Ratio Lower Upper

180 100

182 98.9 76.8 115.2

184 27.6 24.2 36.2

145 24.3 21.4 32.2

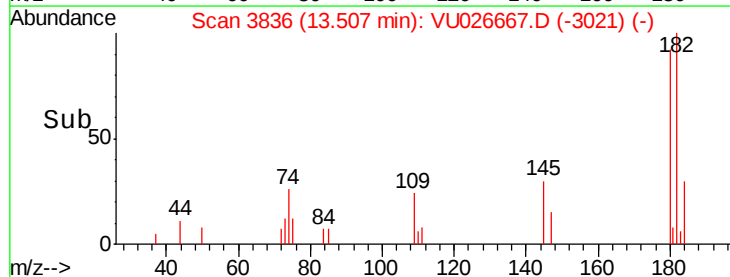
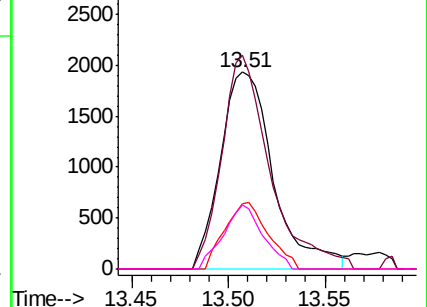


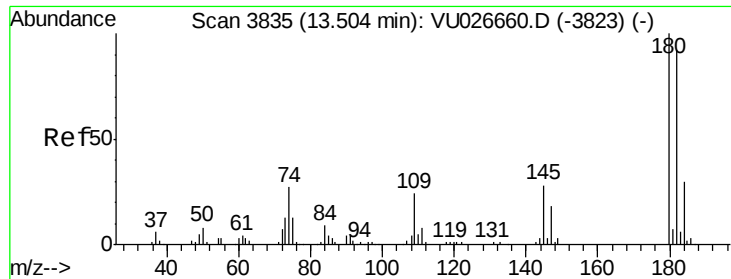
Abundance Ion 180.00 (179.70 to 180.70): V

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

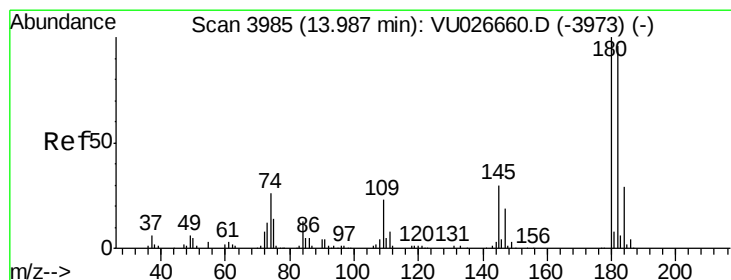
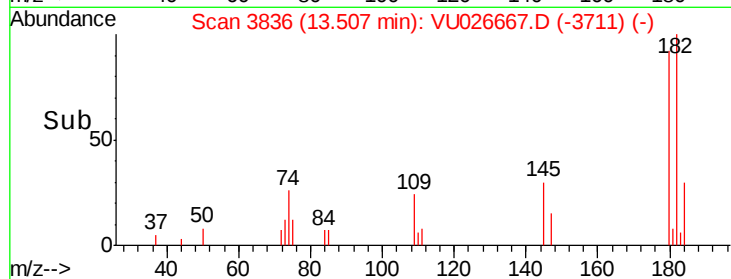
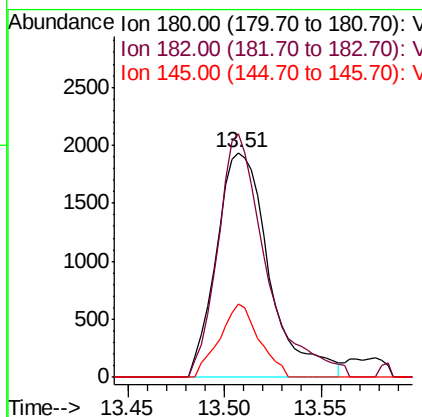
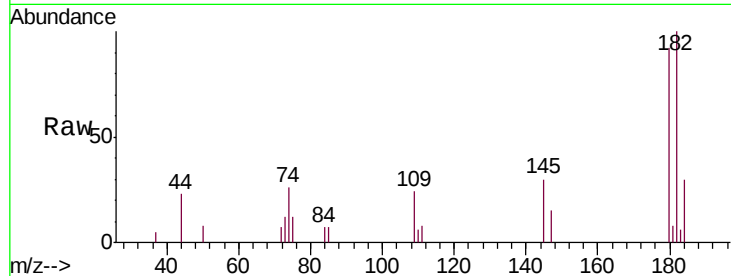




#68
 1,2,4-trichlorobenzene
 Concen: 2.585 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026667.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N3

Tgt Ion:180 Resp: 3678
 Ion Ratio Lower Upper
 180 100
 182 98.9 76.0 114.0
 145 24.3 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 1.528 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026667.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:180 Resp: 2355
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 26.3 23.0 34.6

