

Data File : VU026762.D
Acq On : 14 Sep 2018 13:40
Operator : MD/SY
Sample : J4893-05DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K6DL

Quant Time: Sep 15 07:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 15 00:18:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	153547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54709	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.32%
7) Chloroethane-d5	1.68	69	45580	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.34%
11) 1,1-Dichloroethene-d2	2.27	63	76141	34.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.46%
21) 2-Butanone-d5	4.18	46	79940	104.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.87%
24) Chloroform-d	4.65	84	93427	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.74%
26) 1,2-Dichloroethane-d4	5.31	65	63495	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
32) Benzene-d6	5.34	84	189365	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.33	67	66391	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.57	98	164639	44.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.30%
43) trans-1,3-Dichloropropene-	7.85	79	27503	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.72%
47) 2-Hexanone-d5	8.31	63	54246	99.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85938	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	64226	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	588	0.583 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	706	0.728 ug/L #	1
13) Acetone	2.32	43	708	0.815 ug/L	88
25) Chloroform	4.67	83	2247	1.122 ug/L	95
27) 1,2-Dichloroethane	5.39	62	1106	0.696 ug/L #	75
33) Benzene	5.39	78	106310	24.724 ug/L	100
35) Methylcyclohexane	6.33	83	14593	8.530 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6820	5.678 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1589	0.894 ug/L #	71
44) trans-1,3-Dichloropropene	7.85	75	1005	0.608 ug/L	87
48) 2-Hexanone	8.31	43	6746	5.215 ug/L #	64
51) Chlorobenzene	9.12	112	124158	42.429 ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	911	0.641 ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	3331	1.781 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	45359	22.895 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	48606	24.591 ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	4118	2.776 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

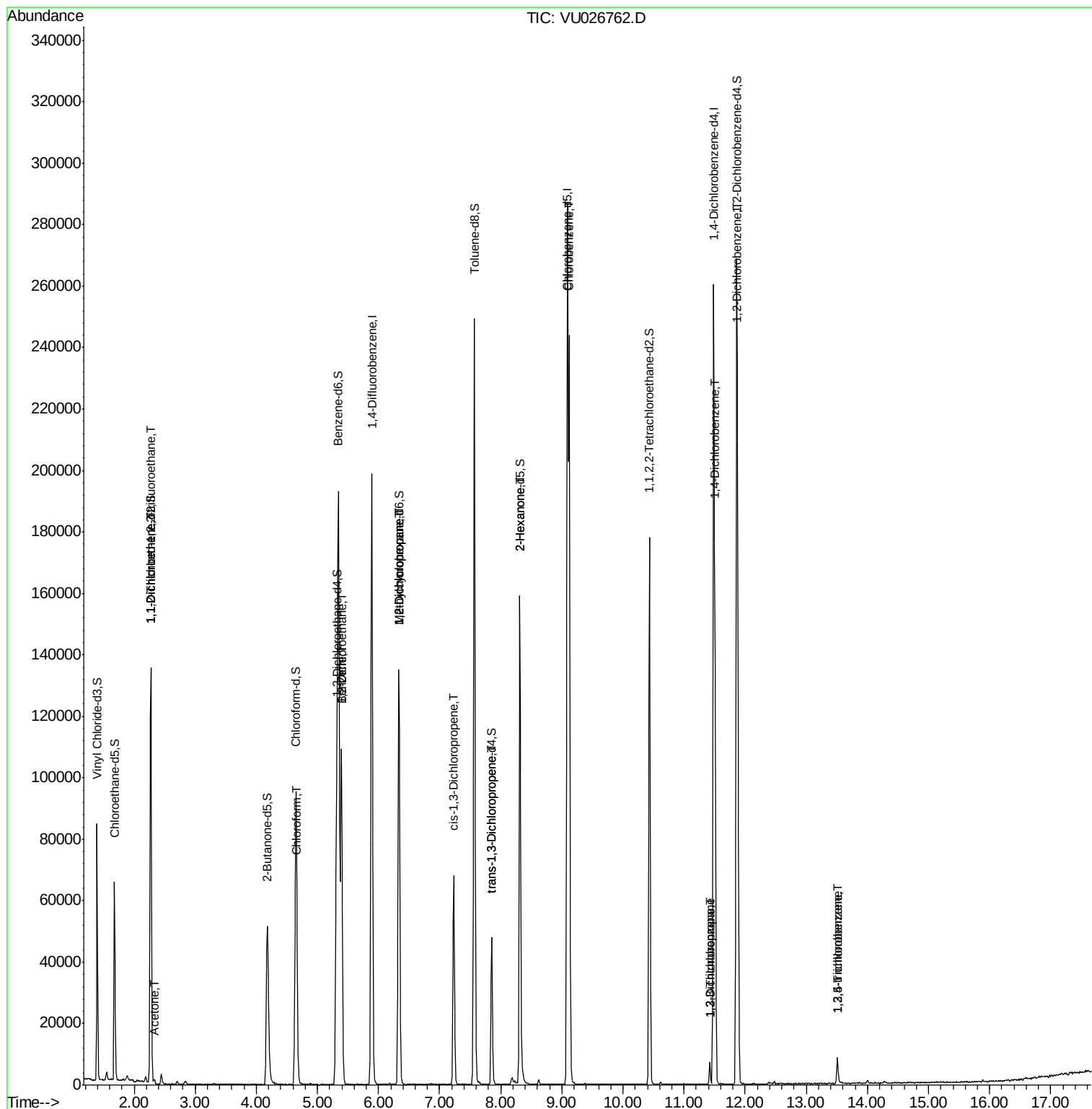
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	4118	3.194	ug/L #	93

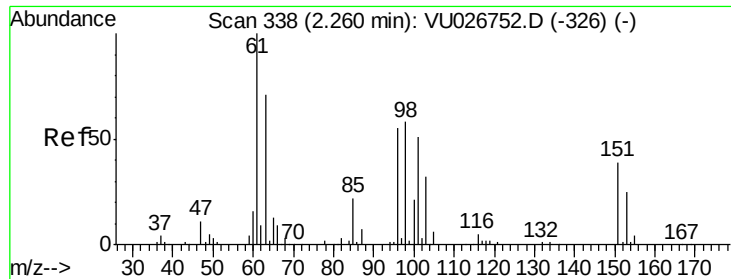
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.583 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

C08K6DL

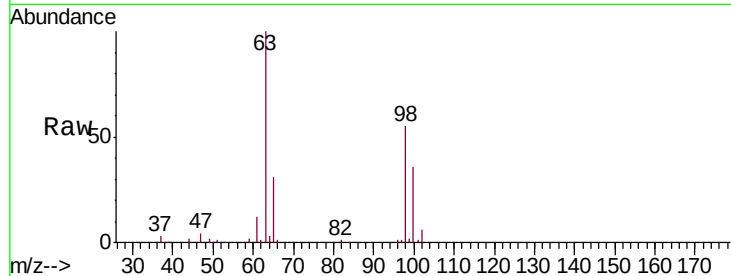
Tgt Ion: 101 Resp: 588

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

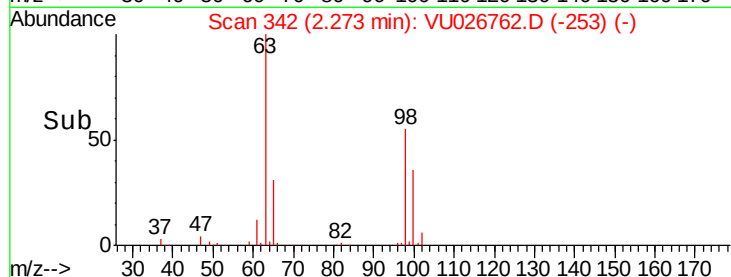
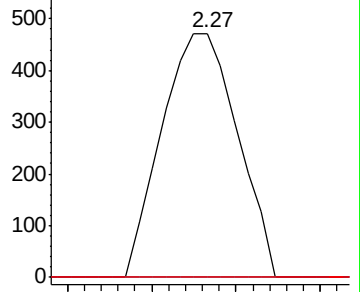
151 0.0 62.6 94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.728 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

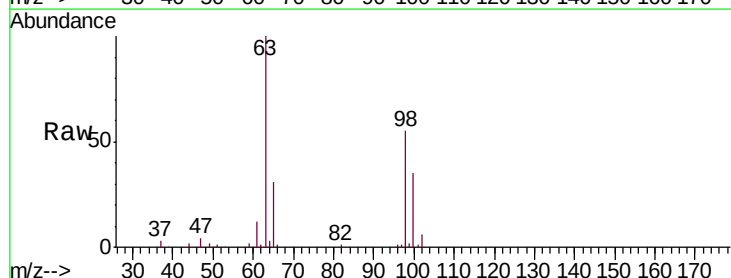
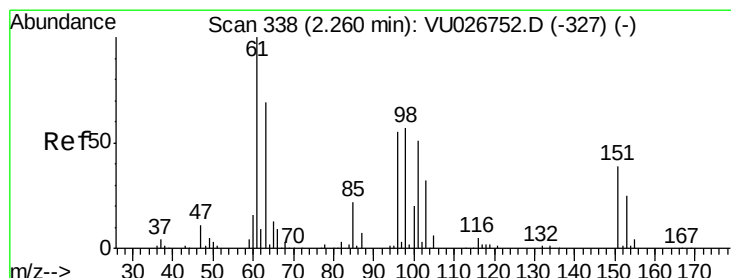
Tgt Ion: 96 Resp: 706

Ion Ratio Lower Upper

96 100

61 1369.7 121.0 224.8#

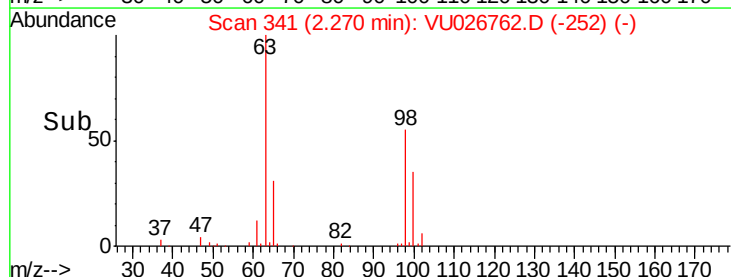
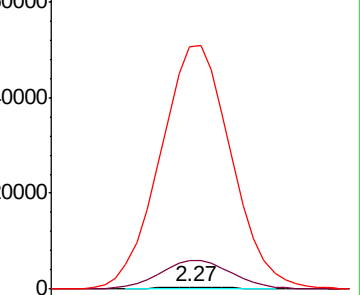
63 11684.1 89.9 166.9#

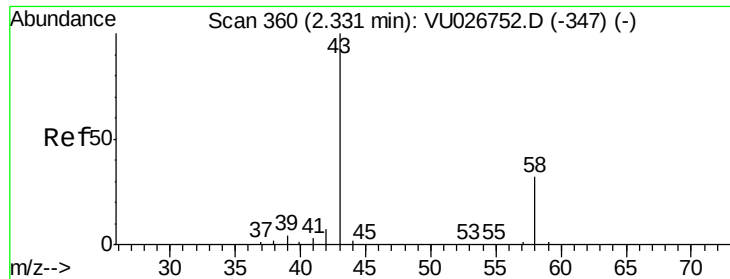


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.815 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

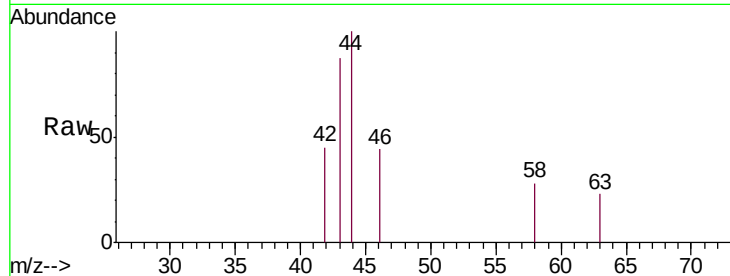
C08K6DL

Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

43 100

58 24.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400

300

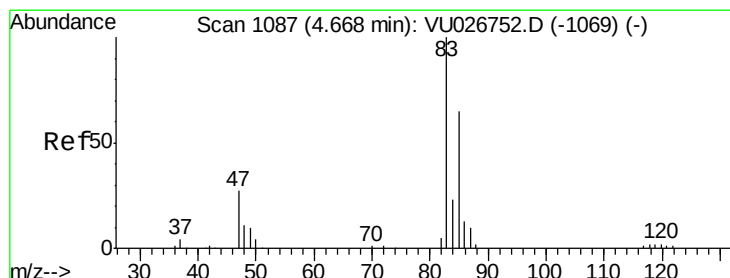
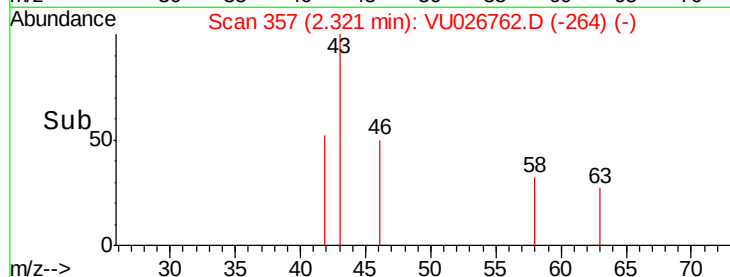
200

100

0

Time-->

2.28 2.30 2.32 2.34 2.36



#25

Chloroform

Concen: 1.122 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026762.D

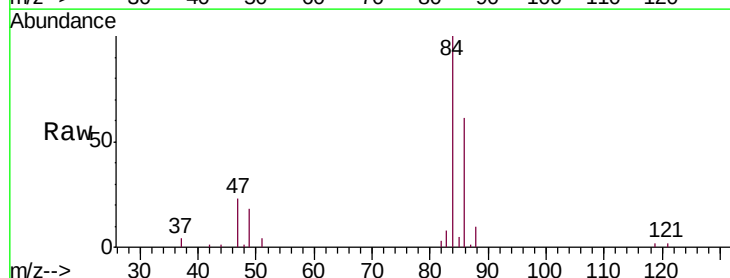
Acq: 14 Sep 2018 13:40

Tgt Ion: 83 Resp: 2247

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

1000

800

600

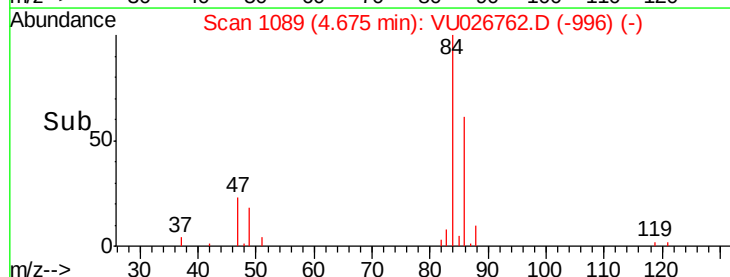
400

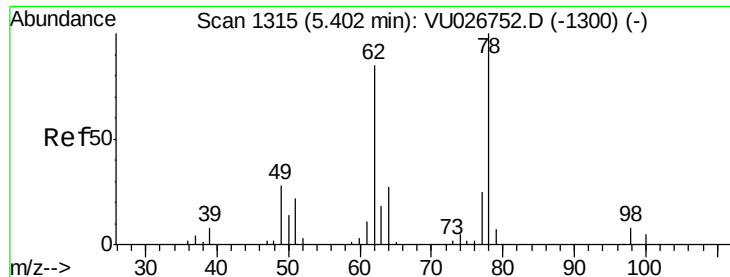
200

0

Time-->

4.60 4.65 4.70

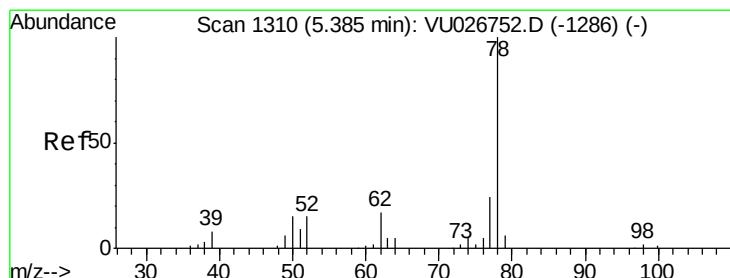
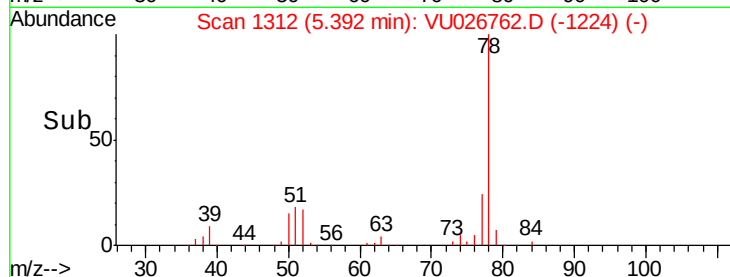
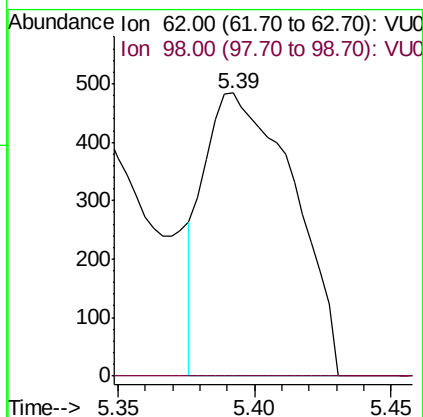
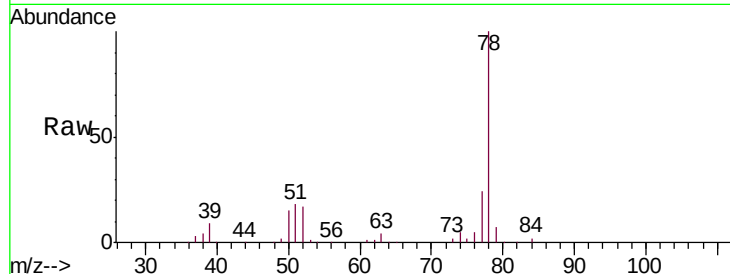




#27
 1,2-Dichloroethane
 Concen: 0.696 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

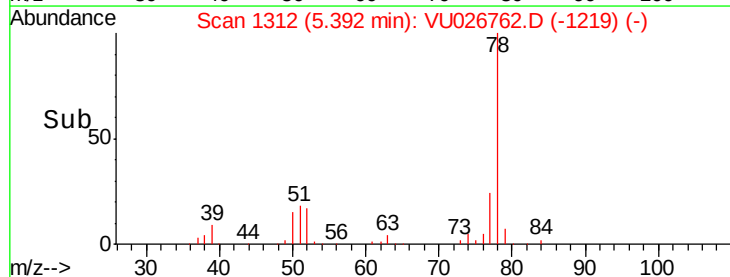
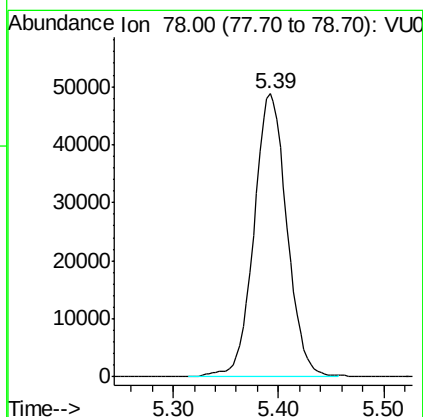
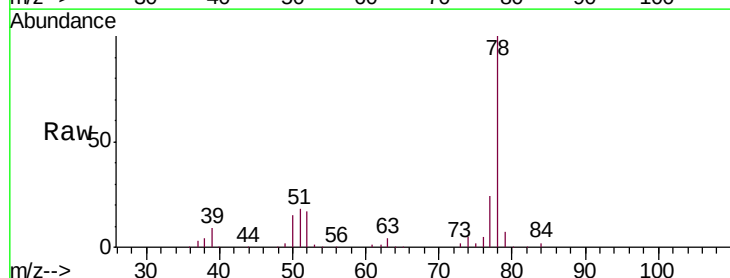
Instrument :
 MSVOA_U
 ClientSampled :
 C08K6DL

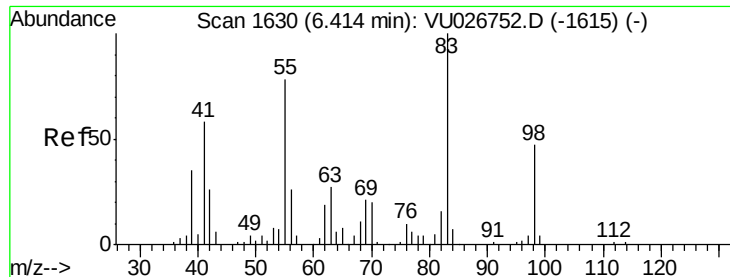
Tgt Ion: 62 Resp: 1106
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#33
 Benzene
 Concen: 24.724 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Tgt Ion: 78 Resp: 106310

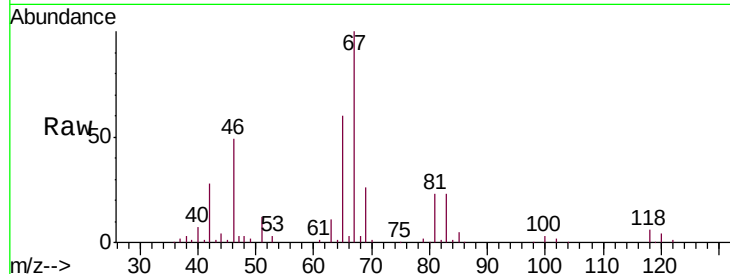




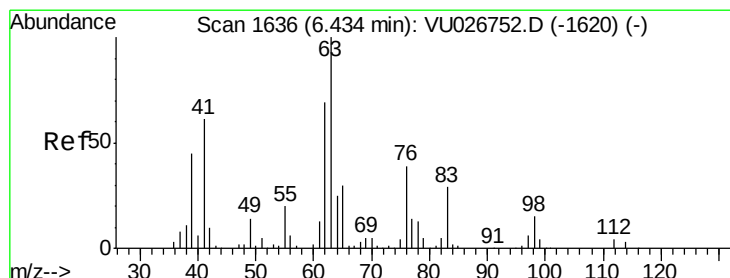
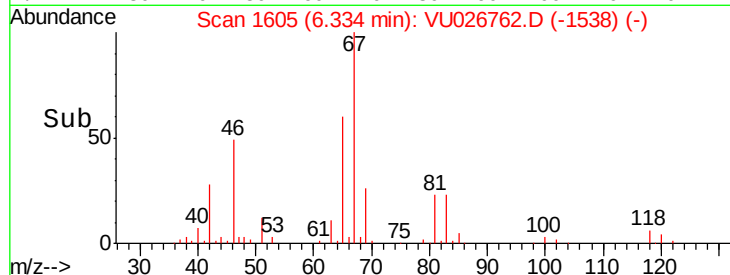
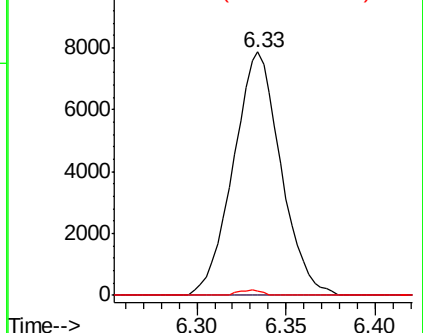
#35
Methylcyclohexane
Concen: 8.530 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Instrument :
MSVOA_U
ClientSampleId :
C08K6DL

Tgt Ion: 83 Resp: 14593
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 1.1 37.0 55.4#

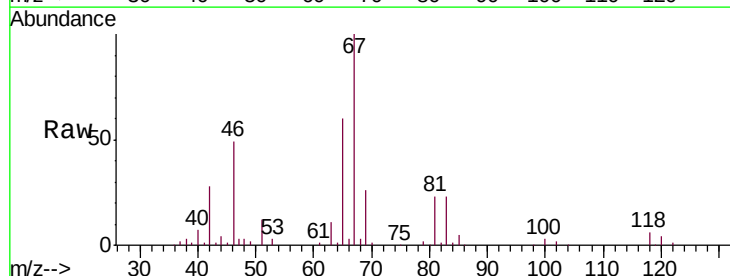


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

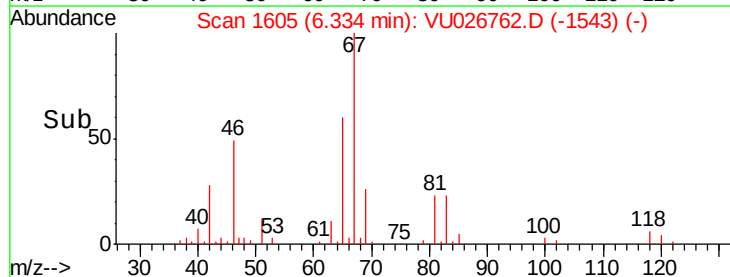
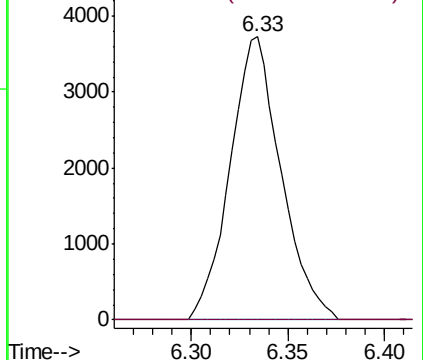


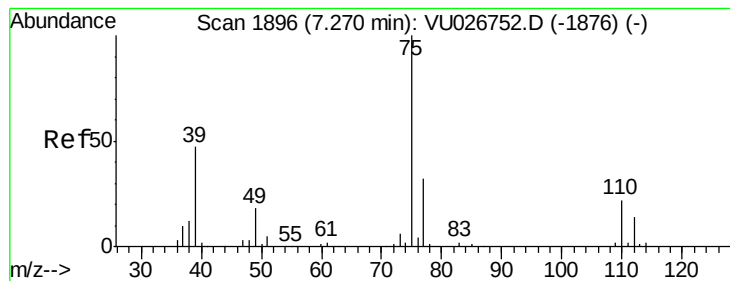
#37
1,2-Dichloropropane
Concen: 5.678 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Tgt Ion: 63 Resp: 6820
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



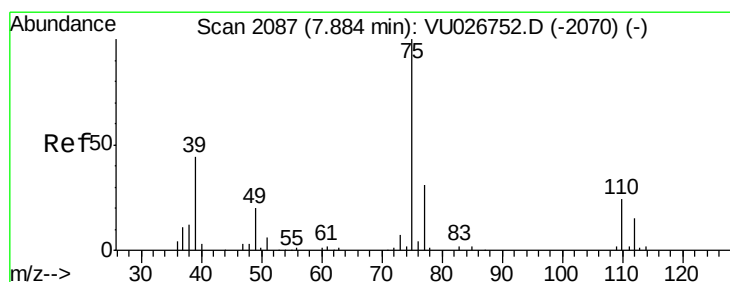
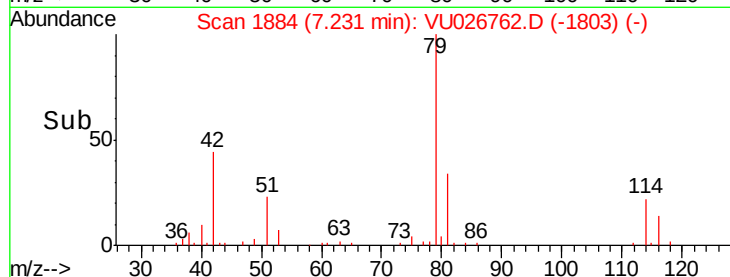
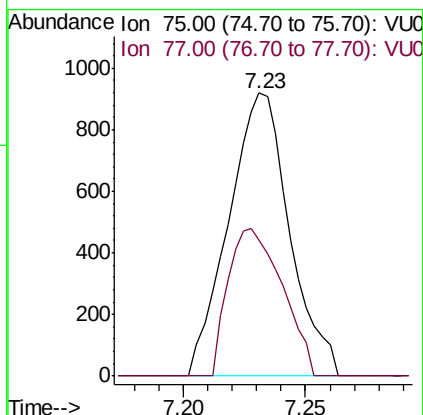
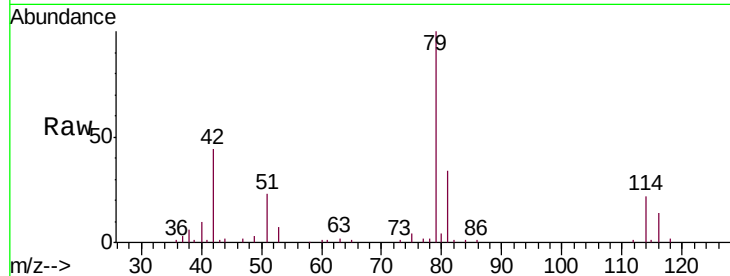


#39

cis-1,3-Dichloropropene
Concen: 0.894 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Instrument :
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ClientSampleId :
C08K6DL

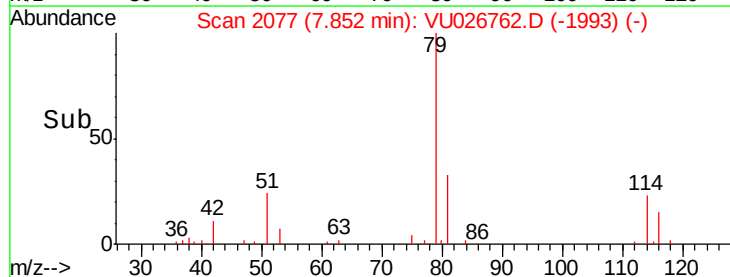
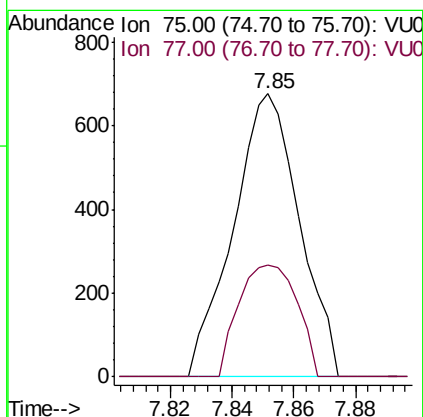
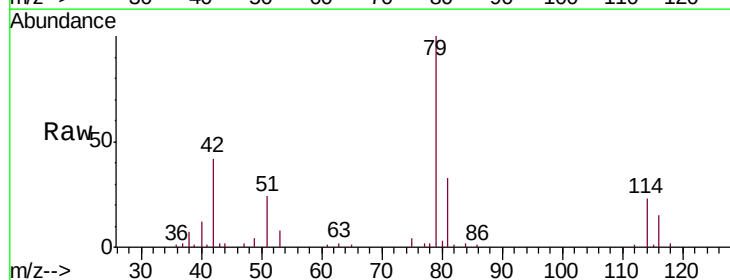
Tgt Ion: 75 Resp: 1589
Ion Ratio Lower Upper
75 100
77 48.1 22.3 41.3#

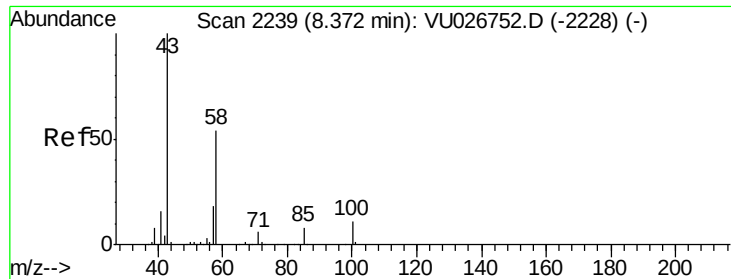


#44

trans-1,3-Dichloropropene
Concen: 0.608 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Tgt Ion: 75 Resp: 1005
Ion Ratio Lower Upper
75 100
77 39.5 22.4 41.6

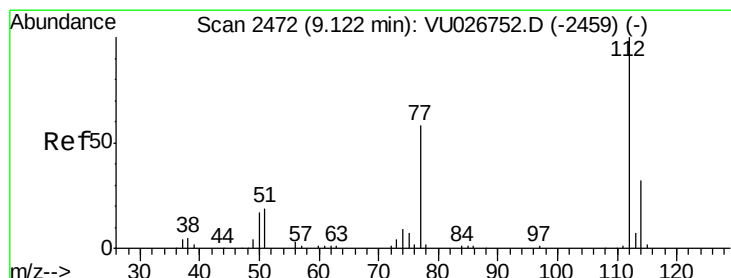
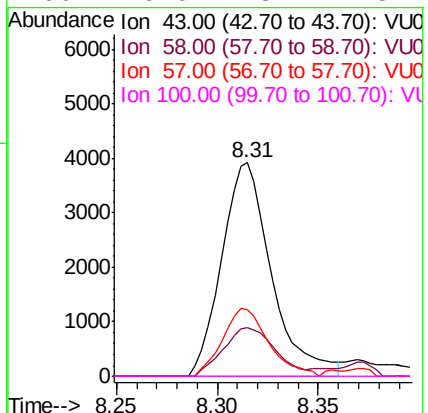
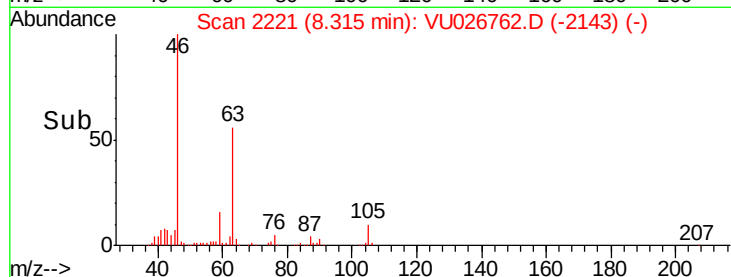
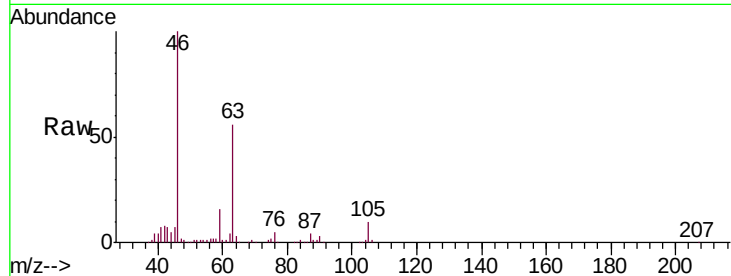




#48
2-Hexanone
Concen: 5.215 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

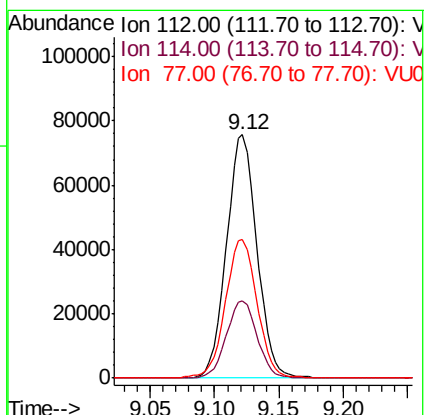
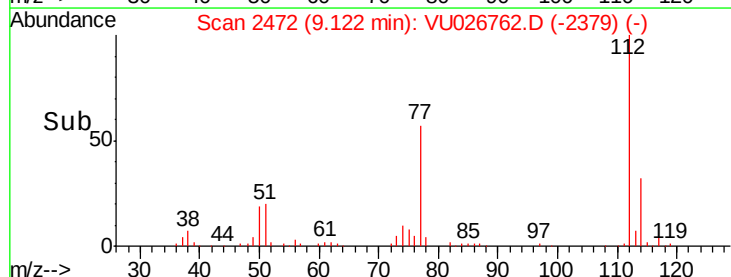
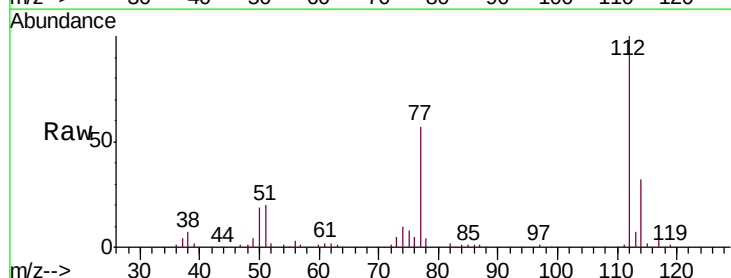
Instrument :
MSVOA_U
ClientSampleId :
C08K6DL

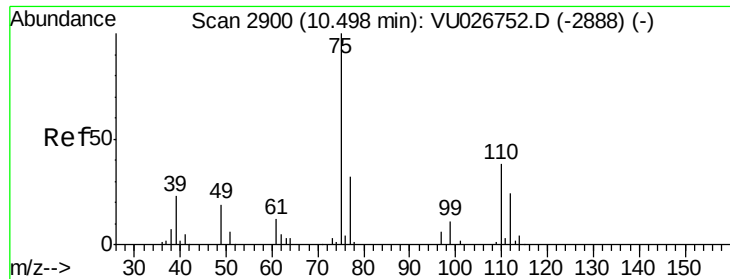
Tgt Ion: 43 Resp: 6746
Ion Ratio Lower Upper
43 100
58 23.7 42.2 63.4#
57 29.4 14.4 21.6#
100 0.0 8.7 13.1#



#51
Chlorobenzene
Concen: 42.429 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026762.D
Acq: 14 Sep 2018 13:40

Tgt Ion: 112 Resp: 124158
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 56.7 47.2 70.8





#59

1,2,3-Trichloropropane

Concen: 0.641 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

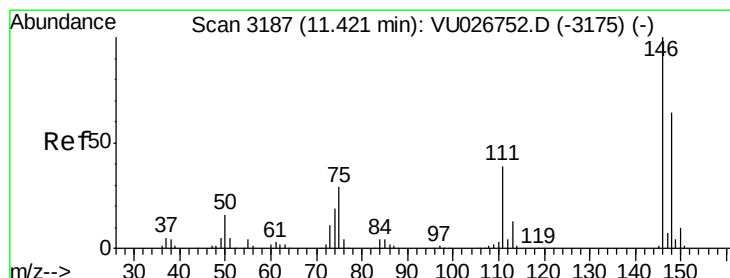
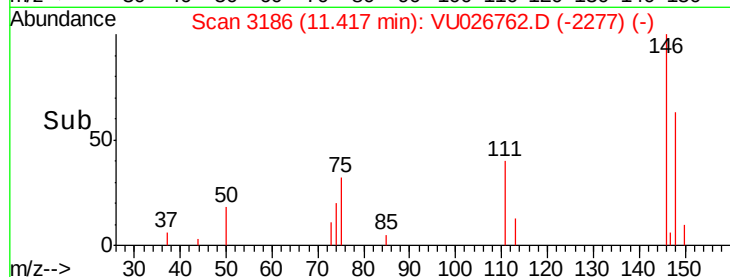
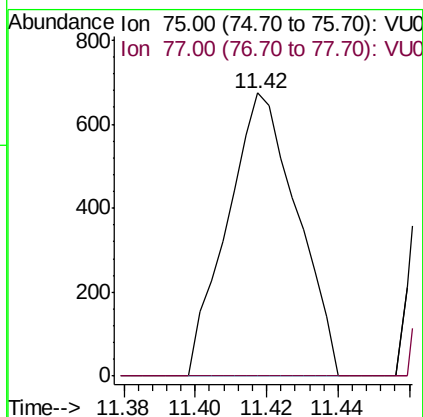
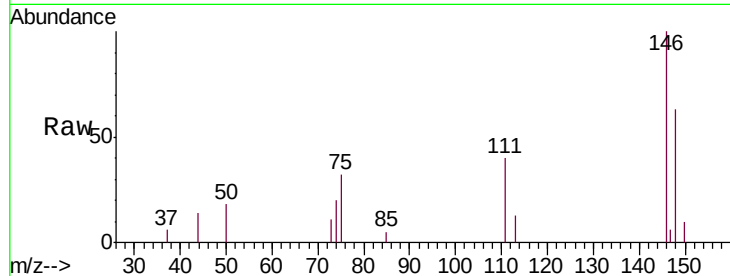
C08K6DL

Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#



#62

1,3-Dichlorobenzene

Concen: 1.781 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026762.D

Acq: 14 Sep 2018 13:40

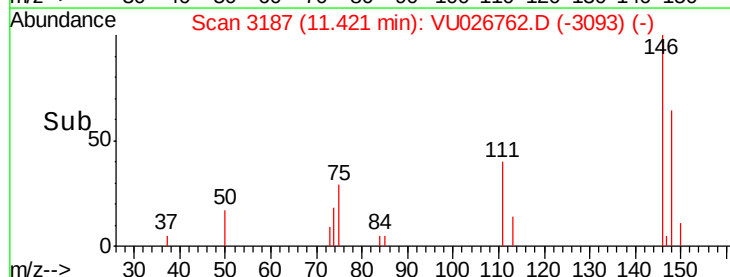
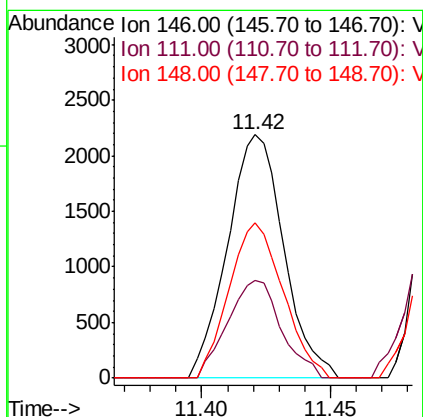
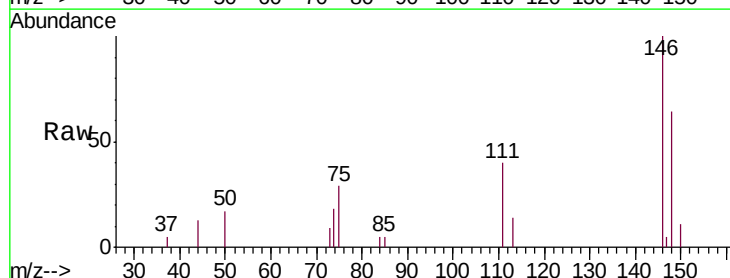
Tgt Ion: 146 Resp: 3331

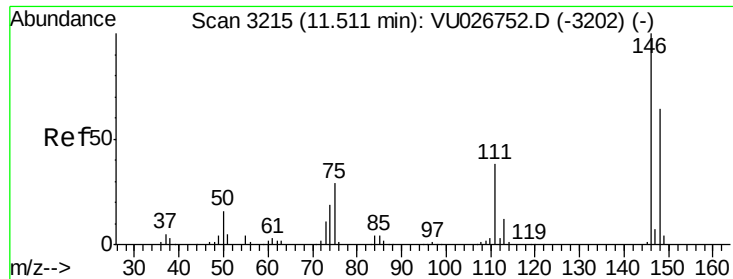
Ion Ratio Lower Upper

146 100

111 40.3 26.7 49.5

148 63.6 44.2 82.2

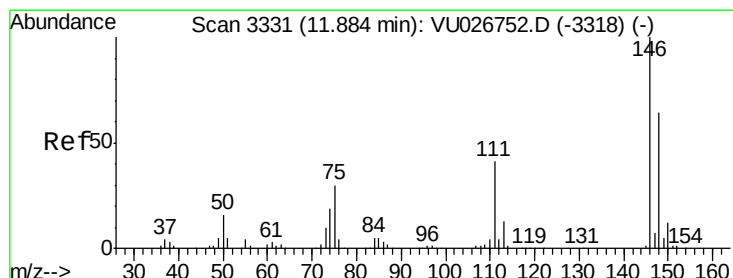
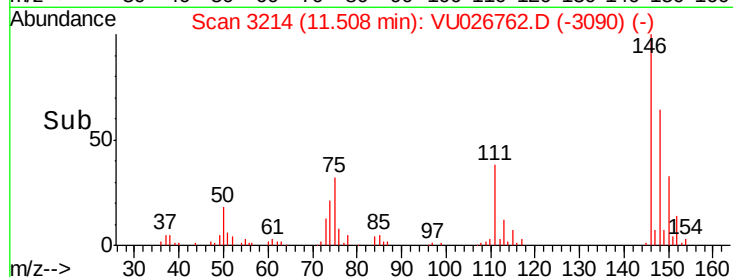
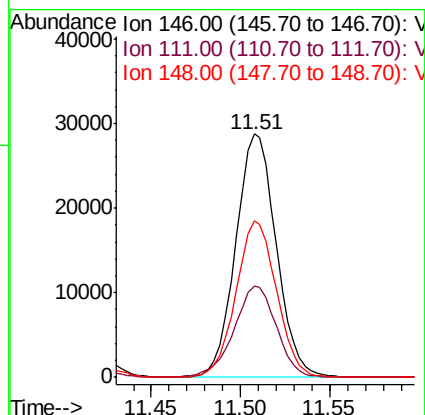
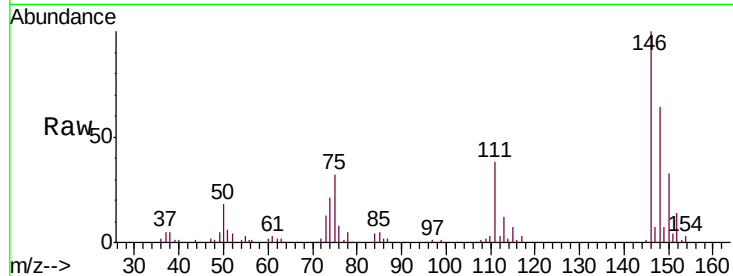




#63
 1,4-Dichlorobenzene
 Concen: 22.895 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

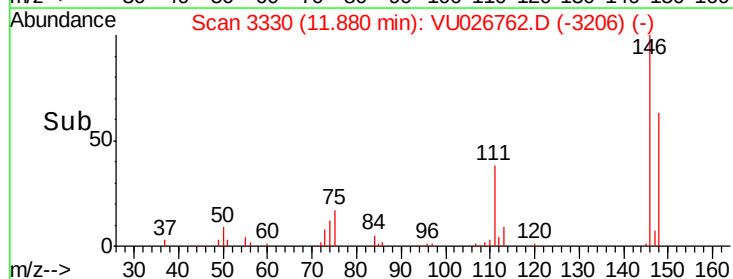
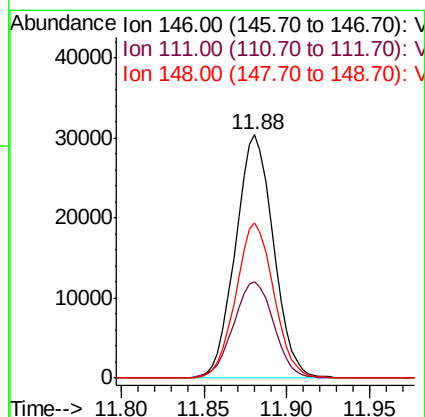
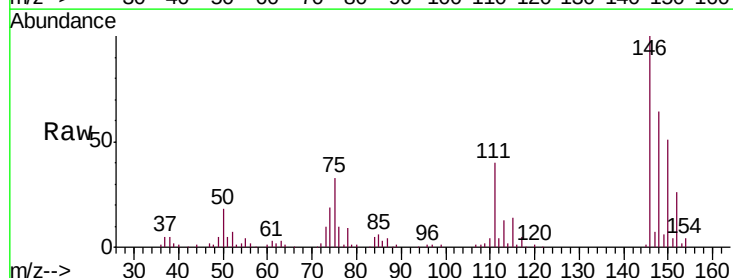
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6DL

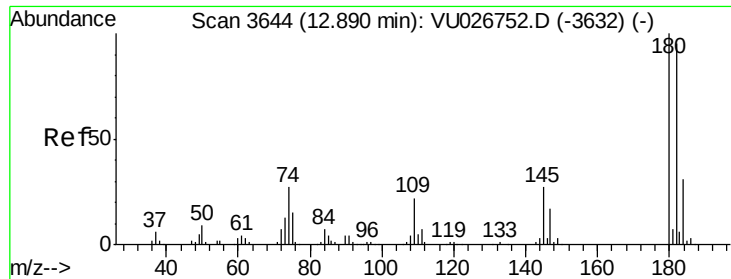
Tgt Ion:146 Resp: 45359
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.3
 148 64.1 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 24.591 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Tgt Ion:146 Resp: 48606
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.8 49.2
 148 63.8 52.2 78.4

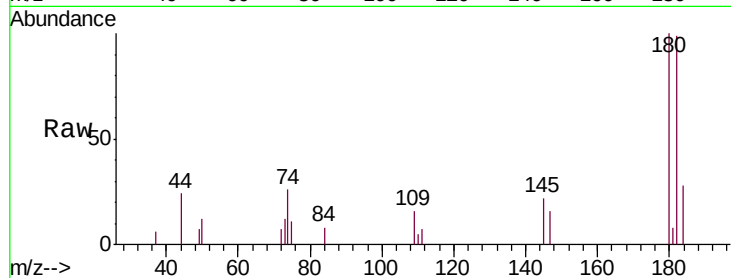




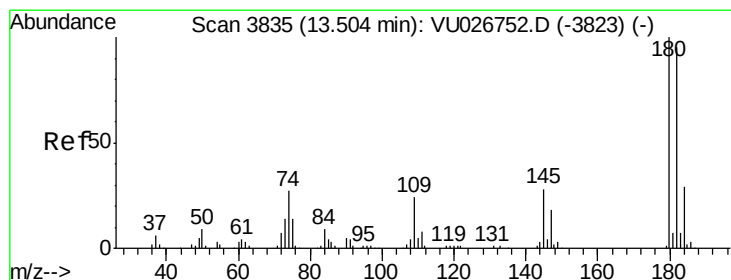
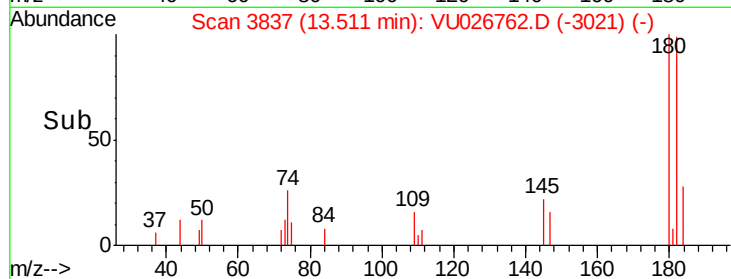
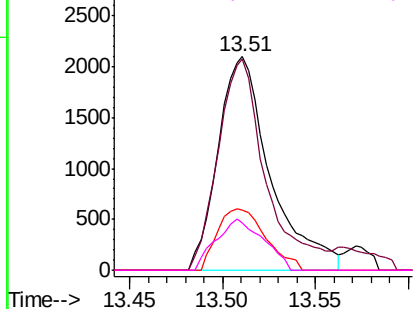
#67
 1,3,5-Trichlorobenzene
 Concen: 2.776 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.62 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6DL

Tgt Ion:180 Resp: 4118
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.8 115.2
 184 26.4 24.2 36.2
 145 21.6 21.4 32.2

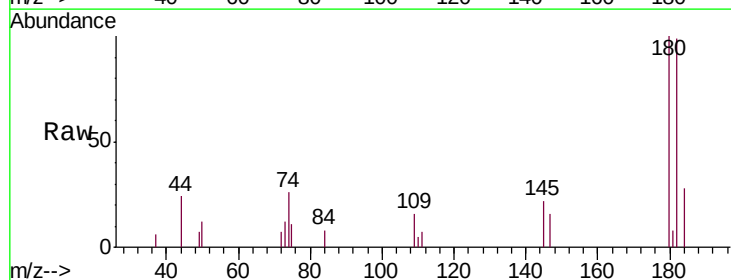


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.194 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026762.D
 Acq: 14 Sep 2018 13:40

Tgt Ion:180 Resp: 4118
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.0 114.0
 145 21.6 23.4 35.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

