

Data File : VU026944.D
Acq On : 20 Sep 2018 19:33
Operator : MD/SY
Sample : J5012-01 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08J8

Quant Time: Sep 21 06:03:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	276024	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	137742	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92643	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.67	69	79775	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.30%
11) 1,1-Dichloroethene-d2	2.27	63	129939	33.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.26%
21) 2-Butanone-d5	4.18	46	138560	102.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.65	84	160413	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.70%
26) 1,2-Dichloroethane-d4	5.31	65	103367	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.68%
32) Benzene-d6	5.34	84	335187	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
36) 1,2-Dichloropropane-d6	6.33	67	108807	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.28%
41) Toluene-d8	7.57	98	295584	43.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.50%
43) trans-1,3-Dichloropropene-	7.85	79	46548	42.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.54%
47) 2-Hexanone-d5	8.31	63	100945	105.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	146007	42.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	134509	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

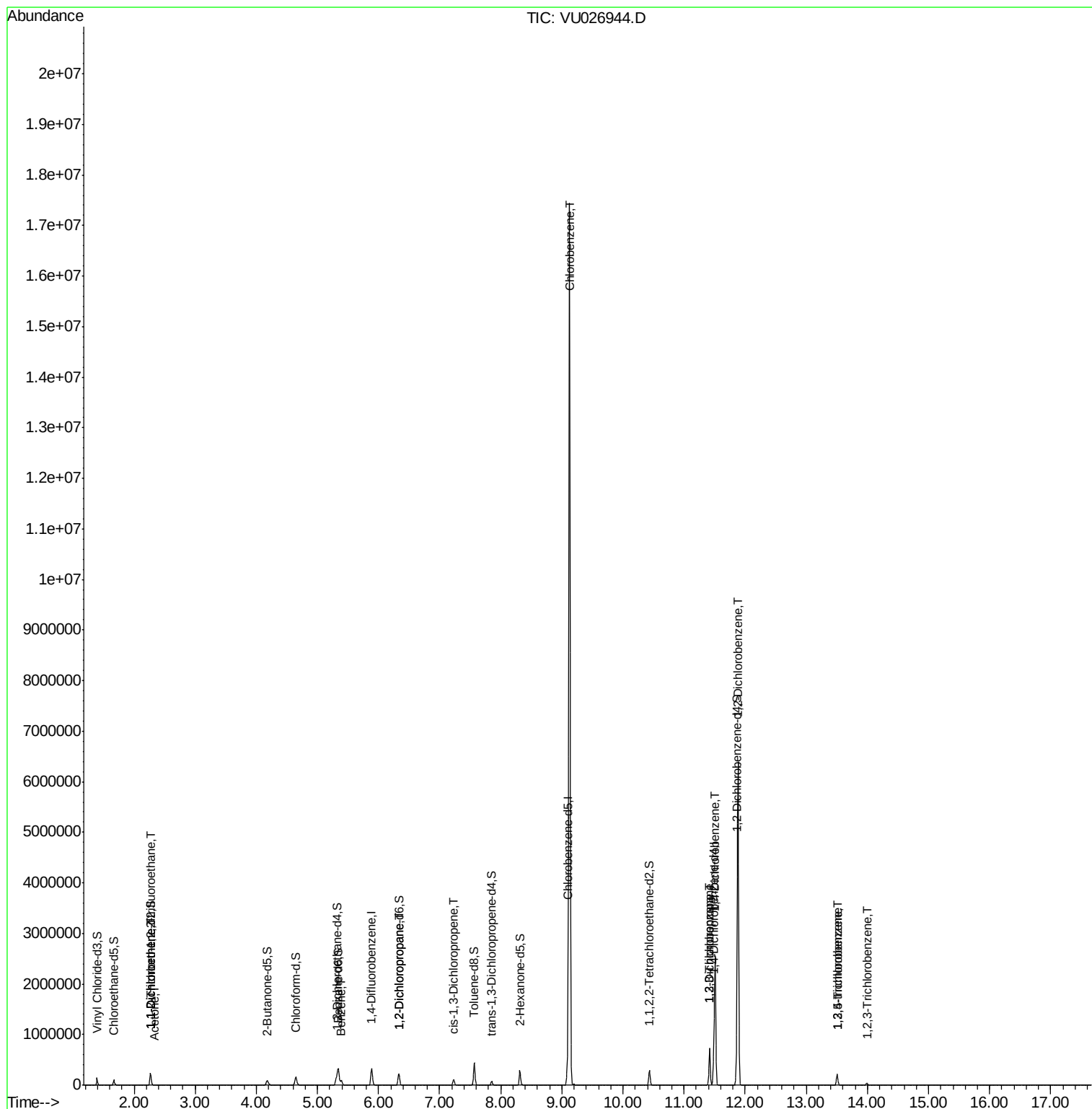
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1129	0.592	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1124	0.628	ug/L #	1
13) Acetone	2.32	43	939	0.705	ug/L	81
33) Benzene	5.39	78	91704	10.958	ug/L	100
37) 1,2-Dichloropropane	6.33	63	11370	4.946	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2646	0.815	ug/L #	56
51) Chlorobenzene	9.12	112	9615522	1673.263	ug/L	97
59) 1,2,3-Trichloropropane	11.42	75	83040	30.155	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	314996	75.017	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1045576	226.135	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	2655285	571.100	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	73526	22.628	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	73526	26.259	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	12478	4.047	ug/L	95

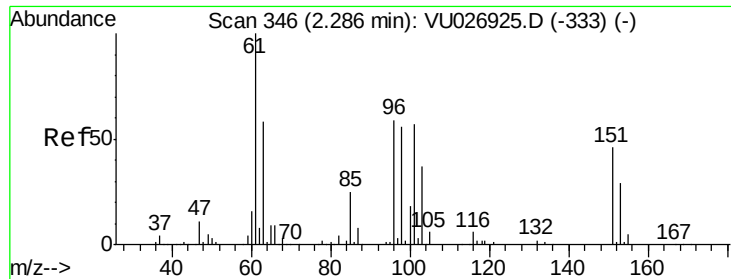
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.592 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

C08J8

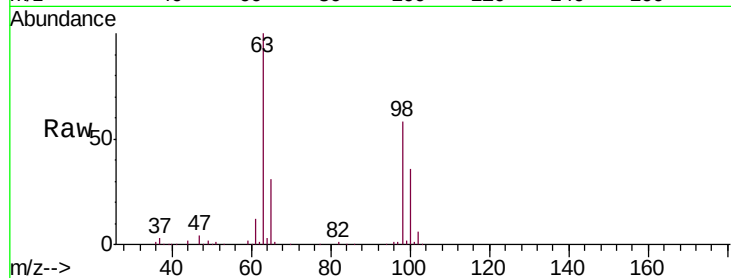
Tgt Ion: 101 Resp: 1129

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.0 94.4#



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

2.27

600

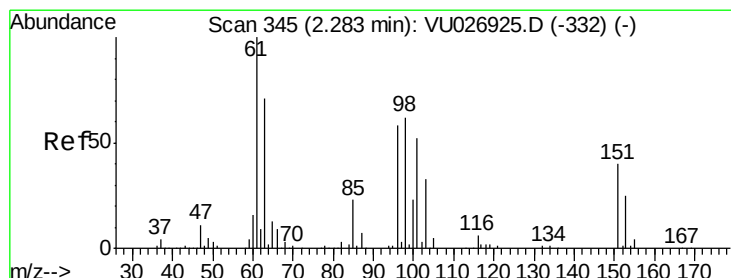
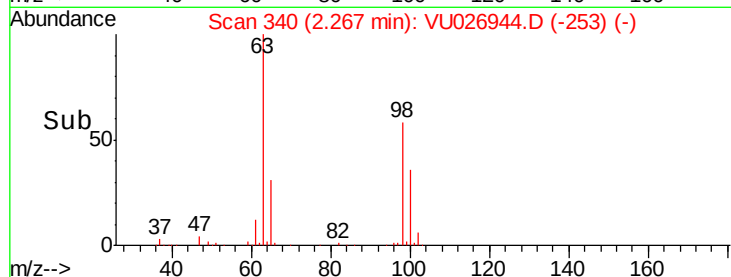
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.628 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

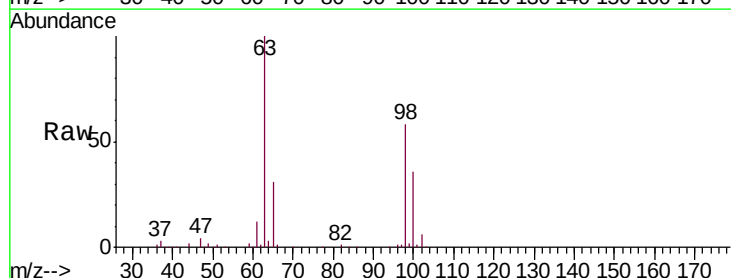
Tgt Ion: 96 Resp: 1124

Ion Ratio Lower Upper

96 100

61 1332.7 124.0 230.4#

63 11575.1 97.7 181.5#



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

100000

80000

60000

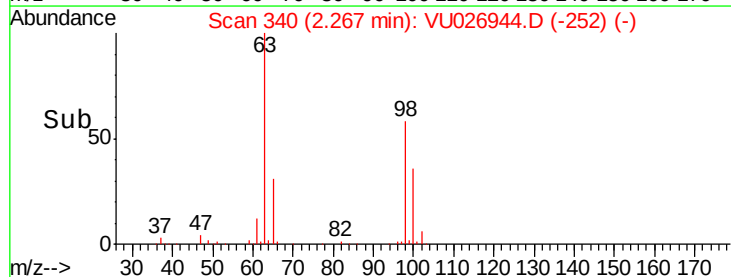
40000

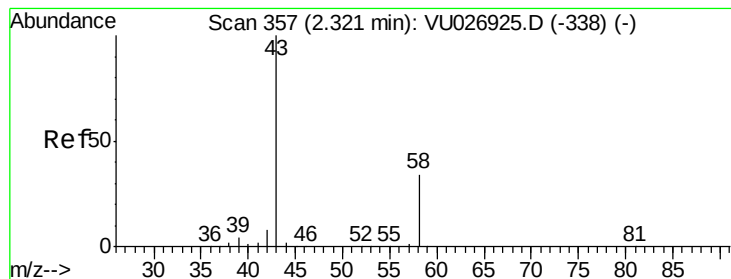
20000

0

2.22 2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 0.705 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampled :

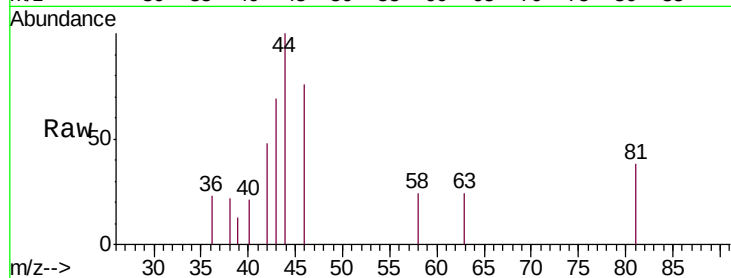
C08J8

Tgt Ion: 43 Resp: 939

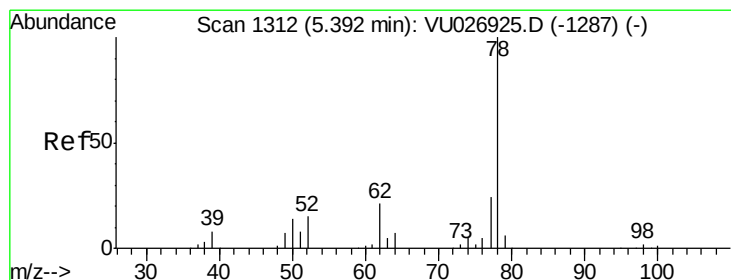
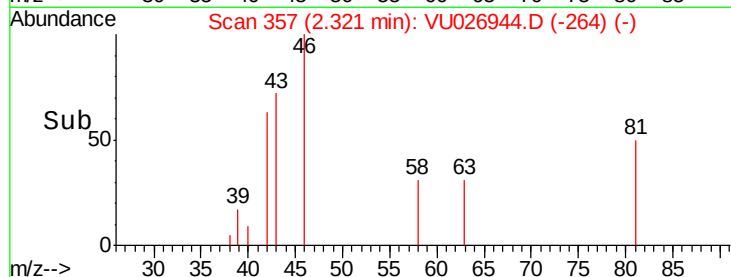
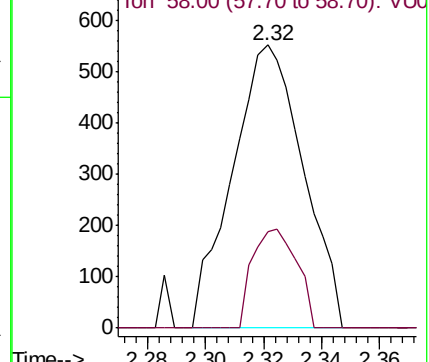
Ion Ratio Lower Upper

43 100

58 21.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU026925.D (-338) (-)



#33

Benzene

Concen: 10.958 ug/L

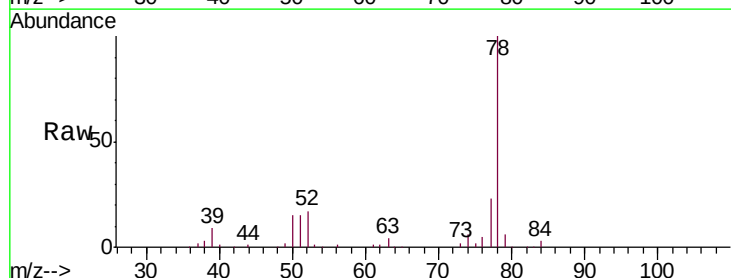
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

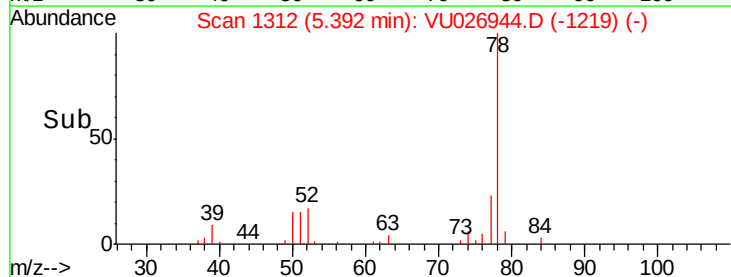
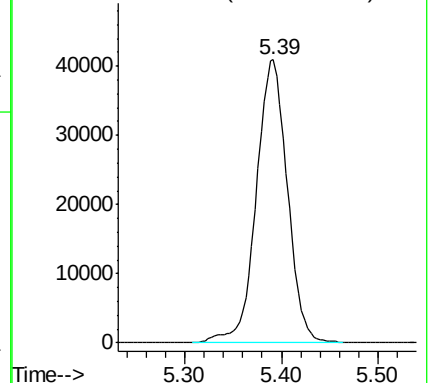
Lab File: VU026944.D

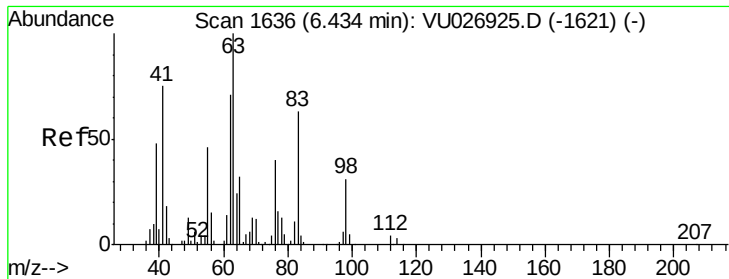
Acq: 20 Sep 2018 19:33

Tgt Ion: 78 Resp: 91704



Abundance Ion 78.00 (77.70 to 78.70): VU026925.D (-1287) (-)

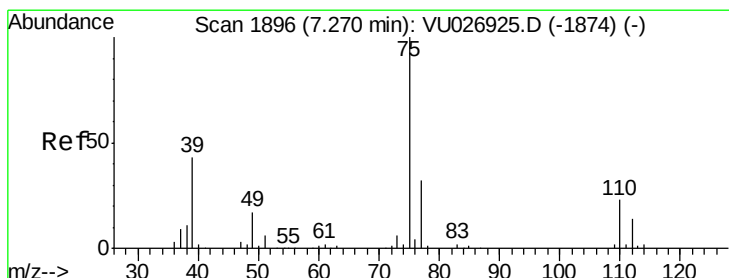
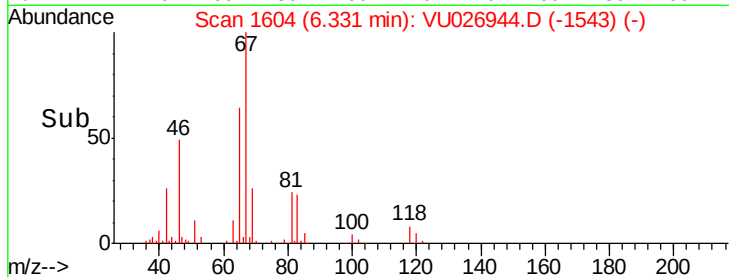
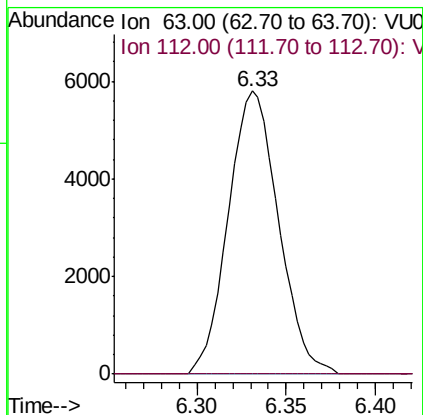
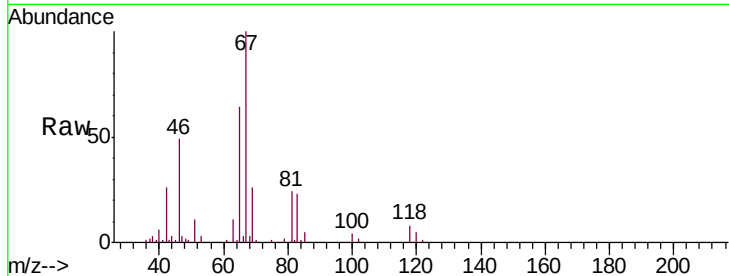




#37
 1,2-Dichloropropane
 Concen: 4.946 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

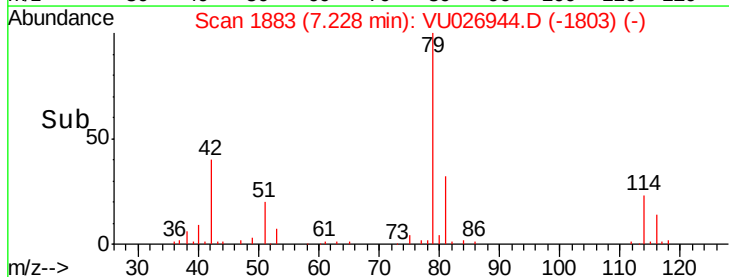
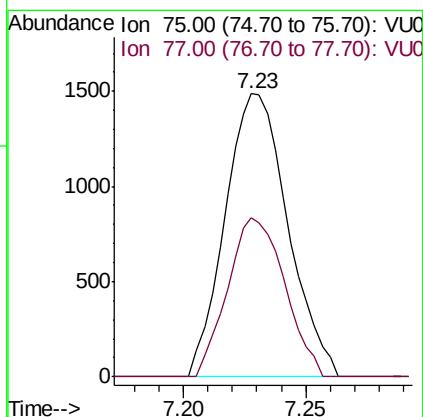
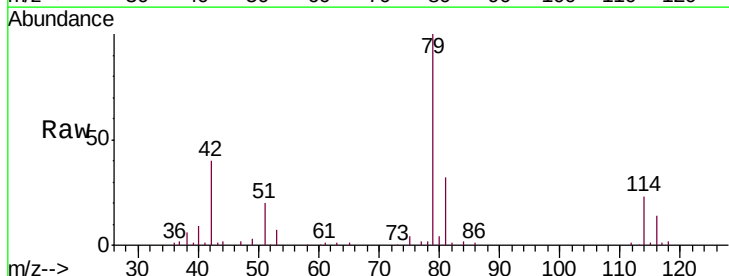
Instrument :
 MSVOA_U
 ClientSampleId :
 C08J8

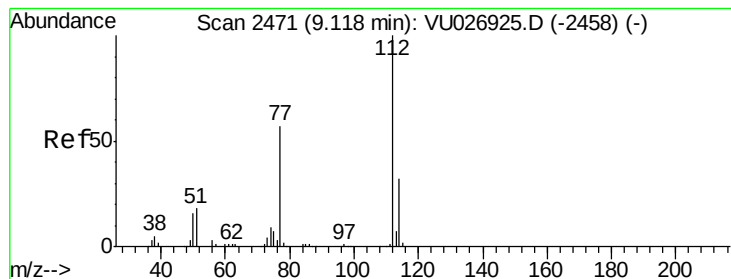
Tgt Ion: 63 Resp: 11370
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.815 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Tgt Ion: 75 Resp: 2646
 Ion Ratio Lower Upper
 75 100
 77 56.2 22.1 41.1#





#51

Chlorobenzene

Concen: 1673.263 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

C08J8

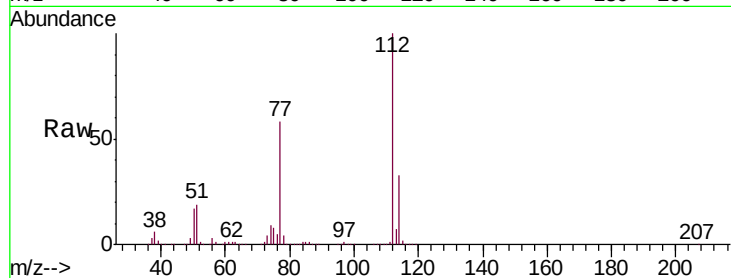
Tgt Ion:112 Resp: 9615522

Ion Ratio Lower Upper

112 100

114 33.4 22.3 41.5

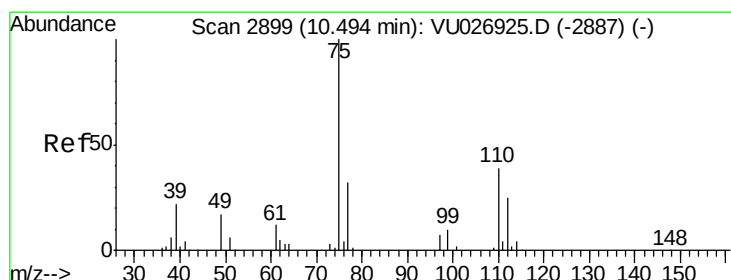
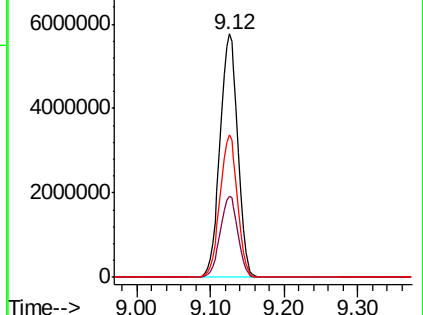
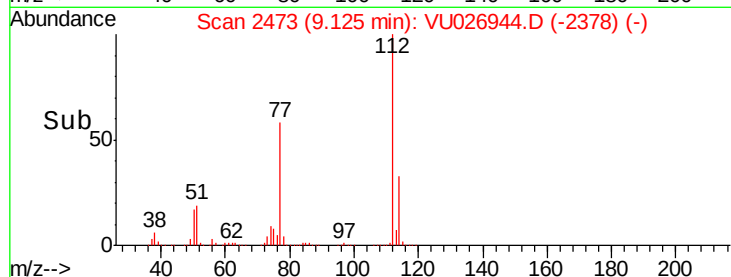
77 58.4 45.1 67.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 30.155 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026944.D

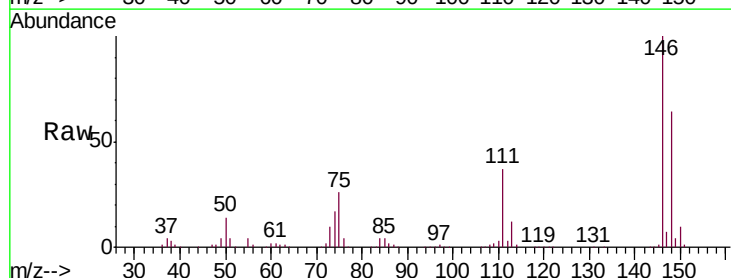
Acq: 20 Sep 2018 19:33

Tgt Ion: 75 Resp: 83040

Ion Ratio Lower Upper

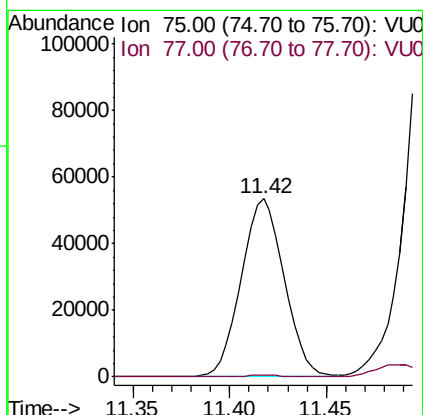
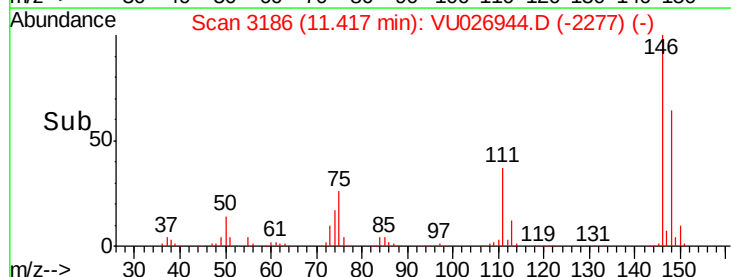
75 100

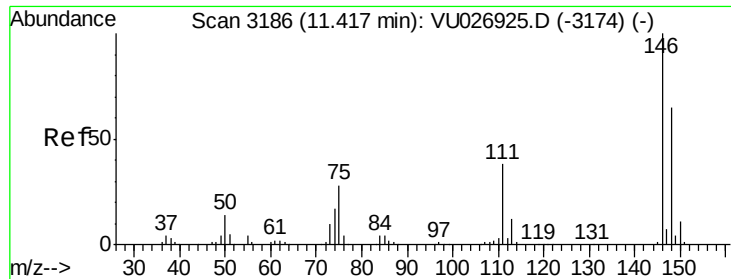
77 0.9 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

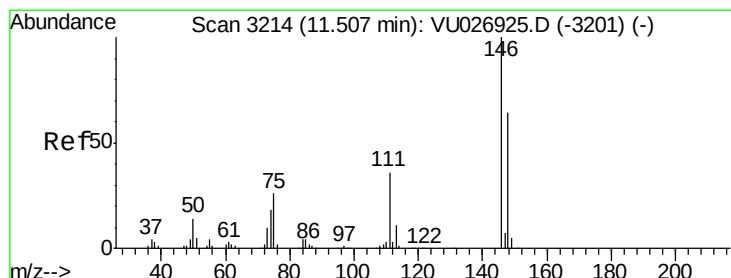
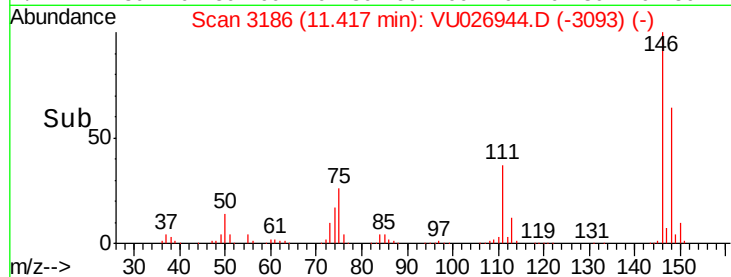
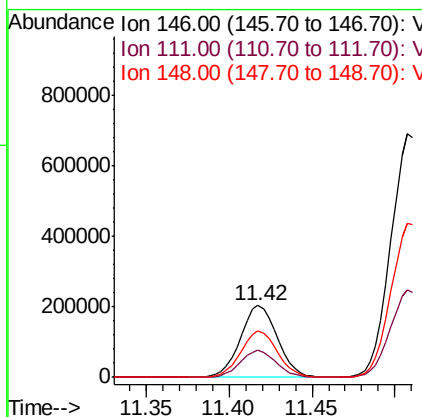
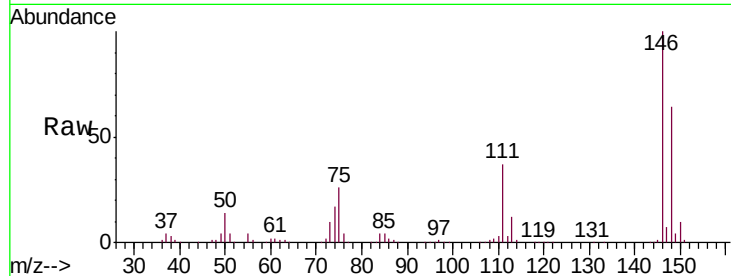




#62
 1,3-Dichlorobenzene
 Concen: 75.017 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

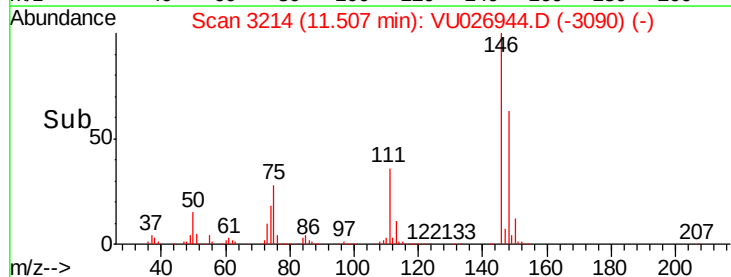
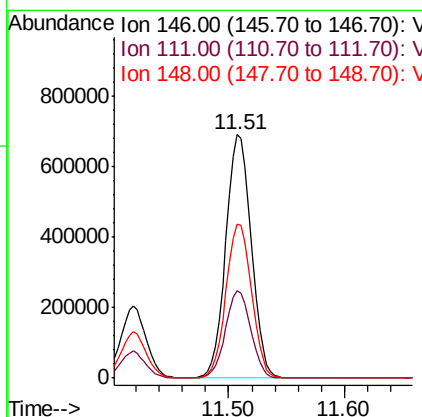
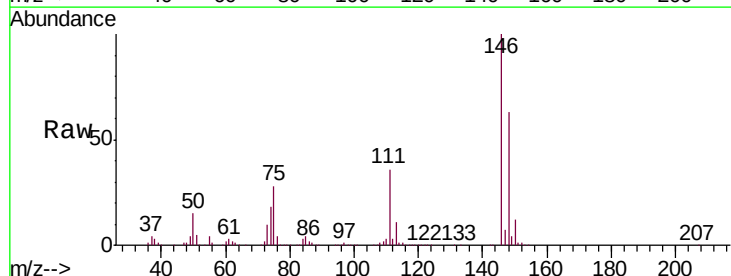
Instrument :
 MSVOA_U
 ClientSampleId :
 C08J8

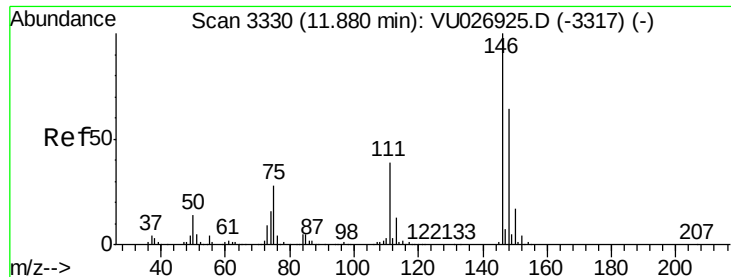
Tgt Ion:146 Resp: 314996
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.7 49.7
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 226.135 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Tgt Ion:146 Resp: 1045576
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.0 48.2
 148 63.3 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 571.100 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

C08J8

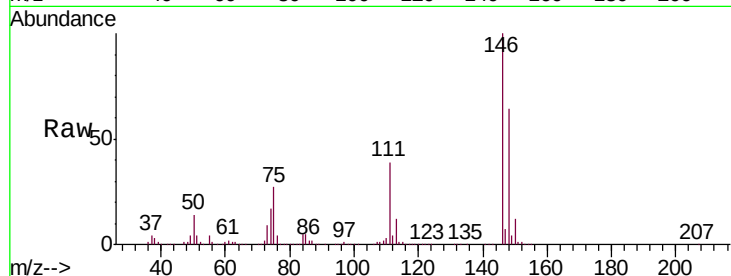
Tgt Ion:146 Resp: 2655285

Ion Ratio Lower Upper

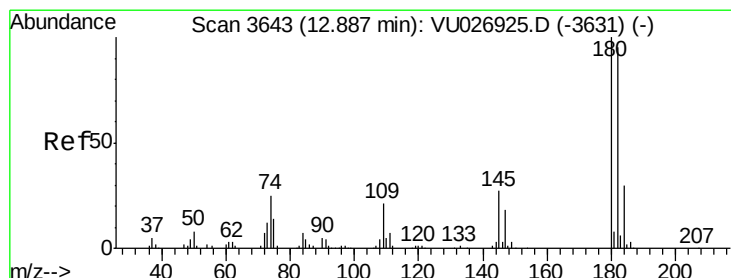
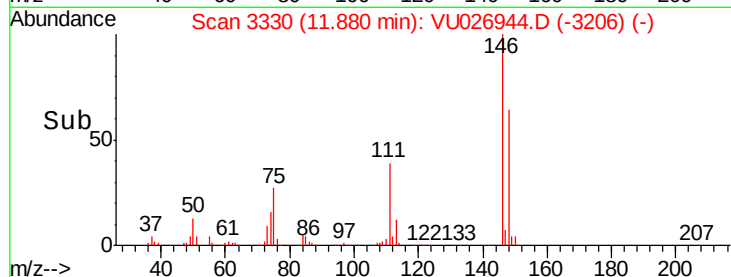
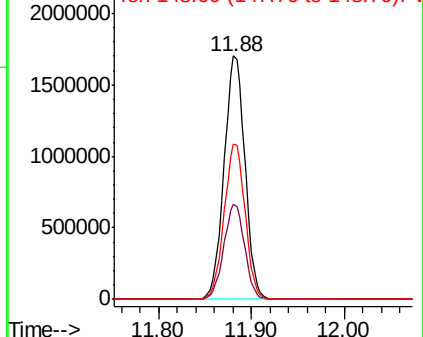
146 100

111 39.1 31.4 47.0

148 63.9 51.4 77.2



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



#67

1,3,5-Trichlorobenzene

Concen: 22.628 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.62 min

Lab File: VU026944.D

Acq: 20 Sep 2018 19:33

Tgt Ion:180 Resp: 73526

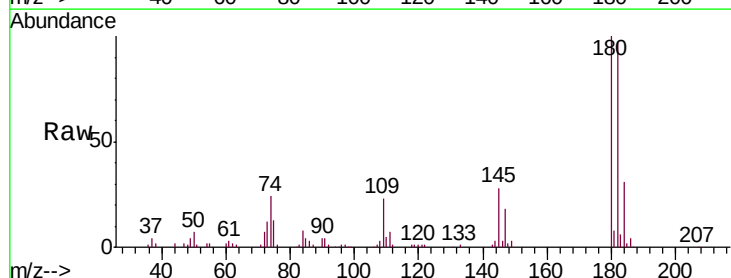
Ion Ratio Lower Upper

180 100

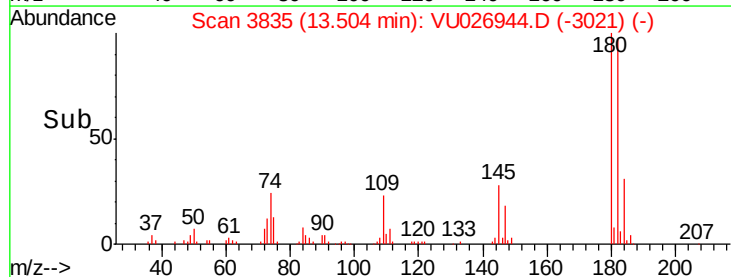
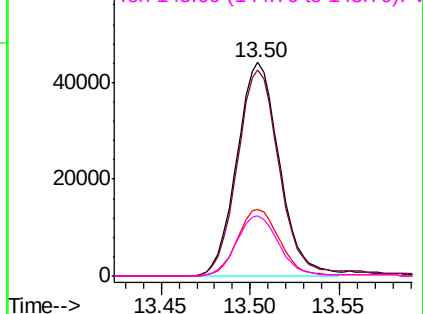
182 95.3 76.7 115.1

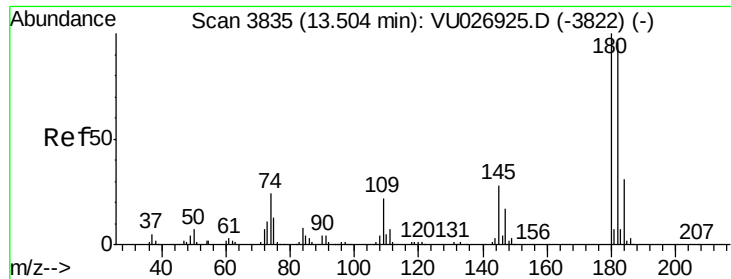
184 31.1 24.2 36.4

145 28.2 21.8 32.6



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

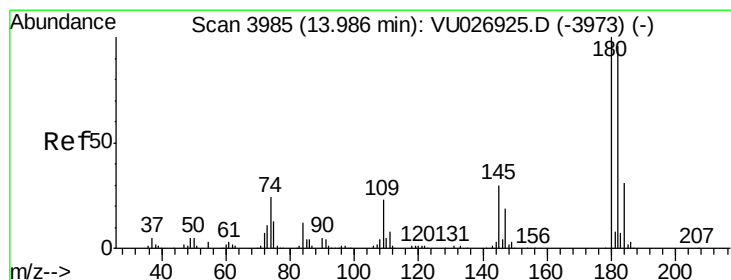
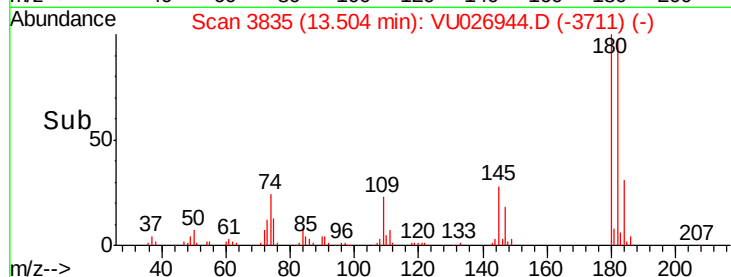
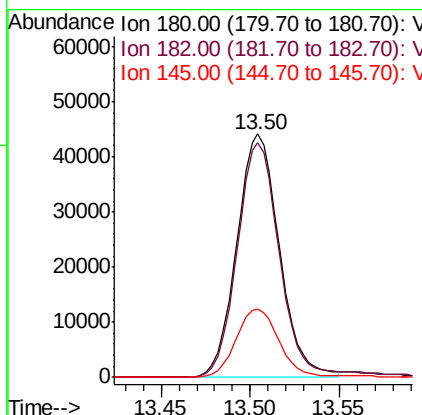
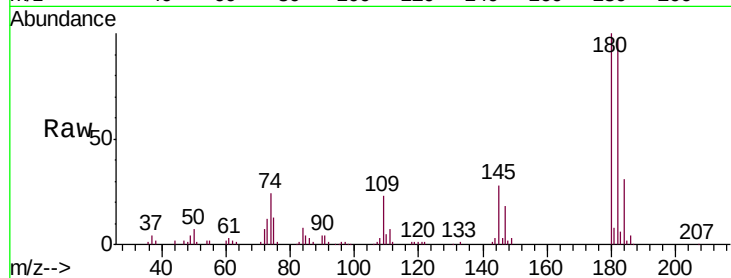




#68
 1,2,4-trichlorobenzene
 Concen: 26.259 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampled :
 C08J8

Tgt Ion:180 Resp: 73526
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.8 115.2
 145 28.2 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 4.047 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026944.D
 Acq: 20 Sep 2018 19:33

Tgt Ion:180 Resp: 12478
 Ion Ratio Lower Upper
 180 100
 182 100.2 75.6 113.4
 145 30.0 23.8 35.6

