

Data File : VU036327.D
Acq On : 23 Dec 2019 15:37
Operator : JC/MD
Sample : K6282-15DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDX1DL

Quant Time: Dec 24 00:22:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 00:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	257090	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276528	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	111192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	129381	5.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.20%
7) Chloroethane-d5	1.93	69	114169	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	2.59	63	140172	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.68	46	210688	49.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	5.11	84	188314	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.75	65	99412	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.77	84	362652	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.73	67	112778	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.93	98	310228	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.21	79	43556	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.67	63	167256	48.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.08%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95883	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	114400	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

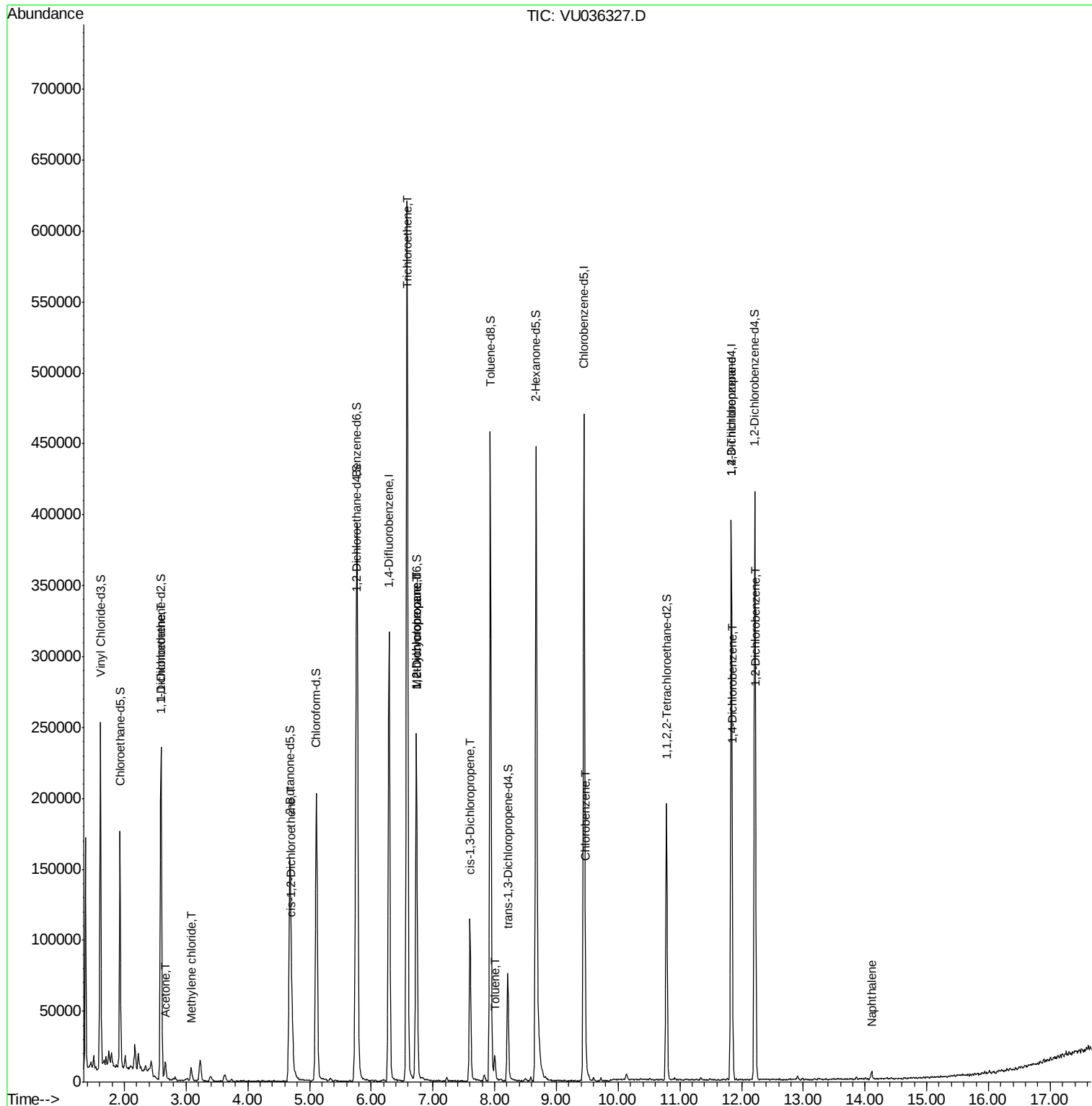
					Qvalue
12) 1,1-Dichloroethene	2.61	96	2240	0.117 ug/L #	1
13) Acetone	2.66	43	11439	3.095 ug/L	98
16) Methylene chloride	3.09	84	4443	0.158 ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	18581	0.867 ug/L	95
34) Trichloroethene	6.58	95	208658	9.523 ug/L	99
35) Methylcyclohexane	6.73	83	27451	0.881 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12934	0.597 ug/L #	85
39) cis-1,3-Dichloropropene	7.60	75	2965	0.100 ug/L	89
42) Toluene	8.00	91	10652	0.117 ug/L	98
51) Chlorobenzene	9.47	112	8869	0.147 ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	13670	0.949 ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	4502	0.121 ug/L	95
65) 1,2-Dichlorobenzene	12.24	146	5938	0.166 ug/L	91
69) Naphthalene	14.11	128	5139	0.219 ug/L	94

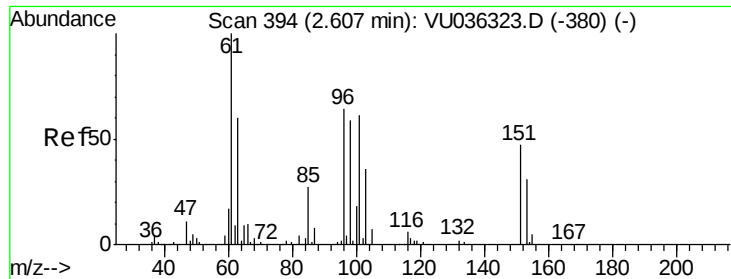
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU036327.D
Acq On : 23 Dec 2019 15:37
Operator : JC/MD
Sample : K6282-15DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDX1DL

Quant Time: Dec 24 00:22:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 00:19:34 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

BFDX1DL

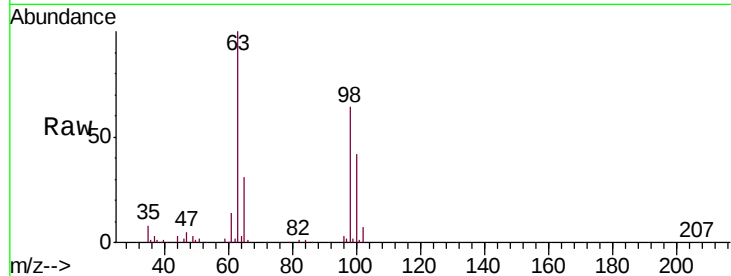
Tgt Ion: 96 Resp: 2240

Ion Ratio Lower Upper

96 100

61 467.0 114.0 211.8#

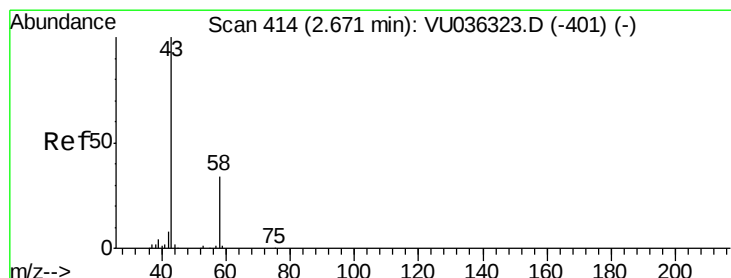
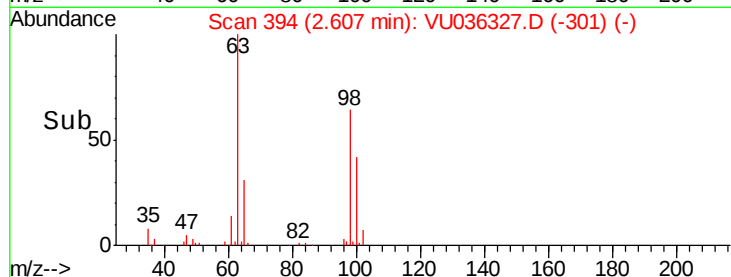
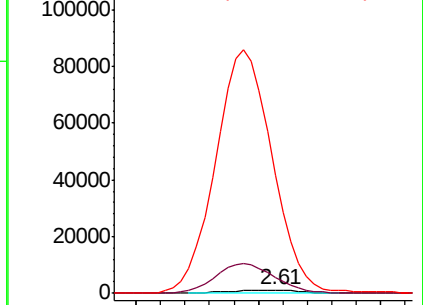
63 3358.1 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036327.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036327.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036327.D (-301) (-)



#13

Acetone

Concen: 3.095 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036327.D

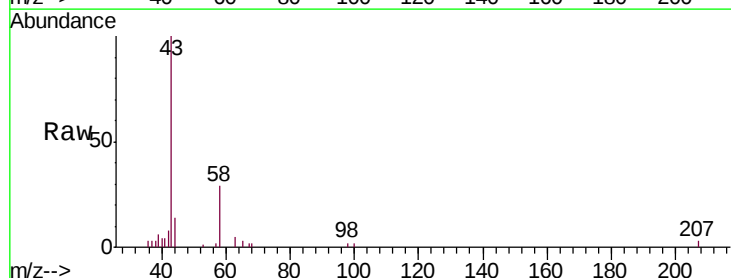
Acq: 23 Dec 2019 15:37

Tgt Ion: 43 Resp: 11439

Ion Ratio Lower Upper

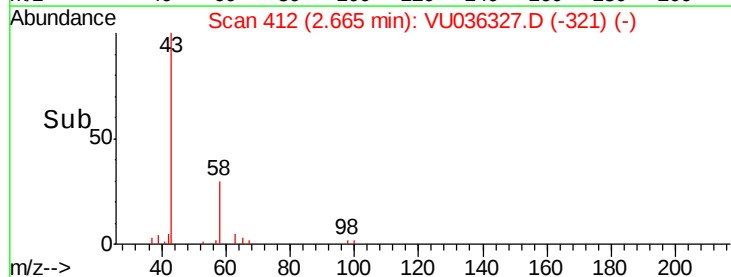
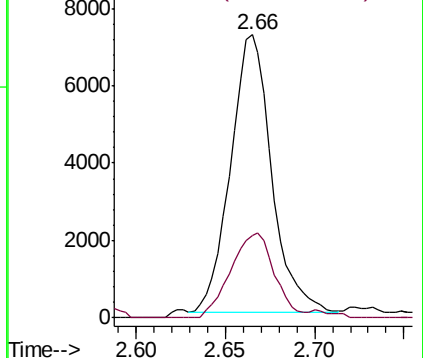
43 100

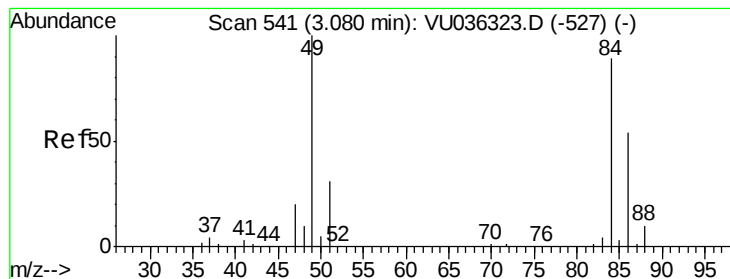
58 32.5 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036327.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU036327.D (-321) (-)





#16

Methylene chloride

Concen: 0.158 ug/L

RT: 3.09 min Scan# 544

Delta R.T. 0.01 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

BFDX1DL

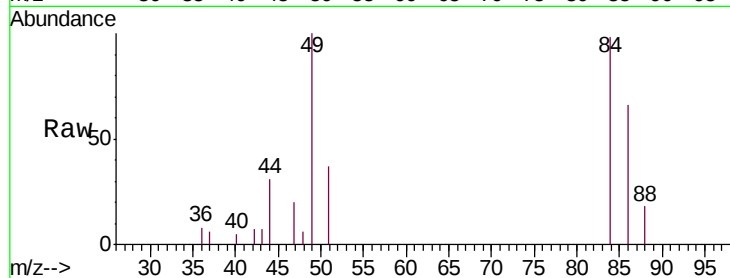
Tgt Ion: 84 Resp: 4443

Ion Ratio Lower Upper

84 100

86 66.9 43.0 79.8

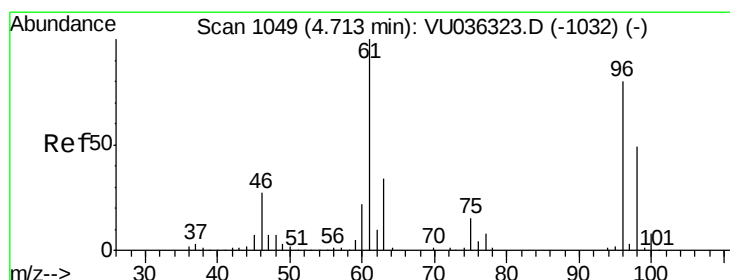
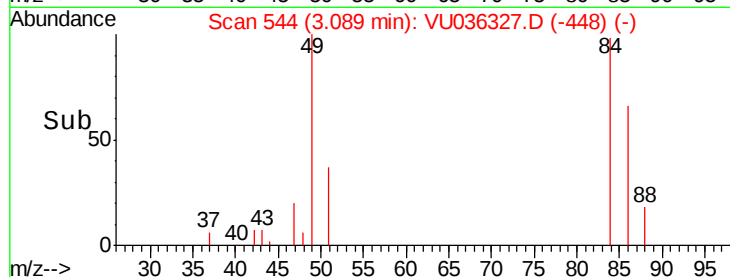
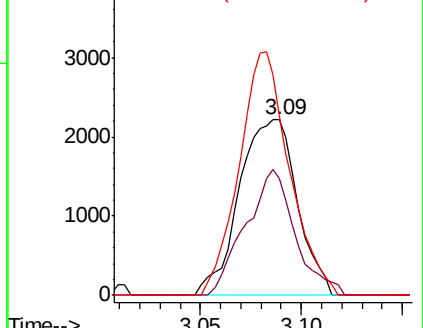
49 101.9 77.3 143.5



Abundance Ion 84.05 (83.75 to 84.75): VU036327.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036327.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036327.D (-527) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.867 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

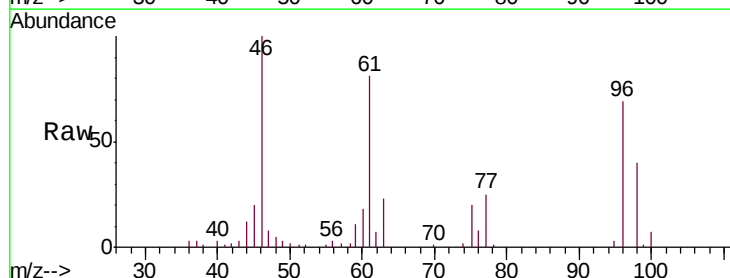
Tgt Ion: 96 Resp: 18581

Ion Ratio Lower Upper

96 100

61 117.9 86.7 161.1

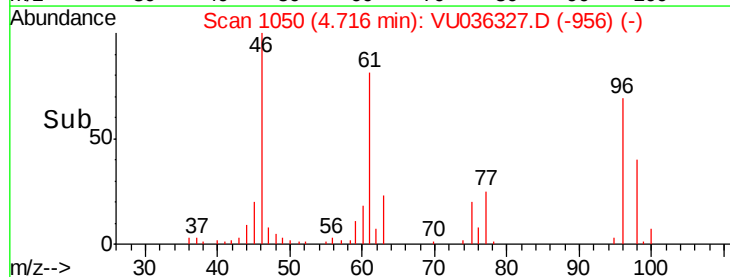
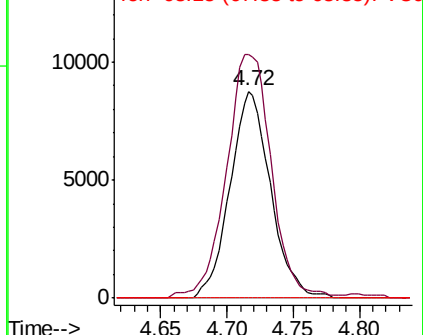
68 0.0 0.0 0.0

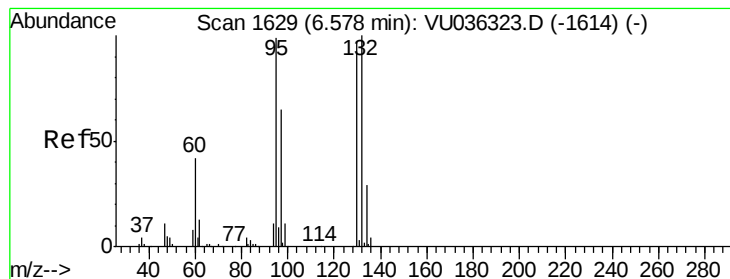


Abundance Ion 96.00 (95.70 to 96.70): VU036327.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036327.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036327.D (-956) (-)





#34

Trichloroethene

Concen: 9.523 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

BFDX1DL

Tgt Ion: 95 Resp: 208658

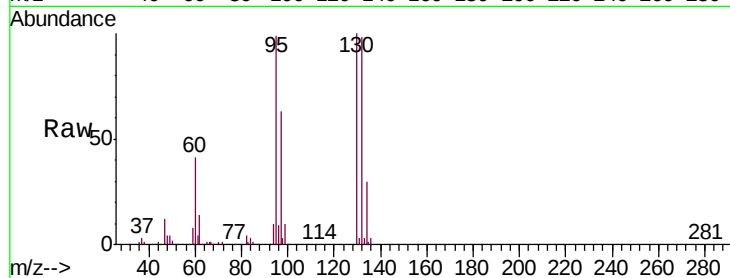
Ion Ratio Lower Upper

95 100

97 64.0 43.6 81.0

132 99.0 69.6 129.2

130 101.0 70.3 130.7

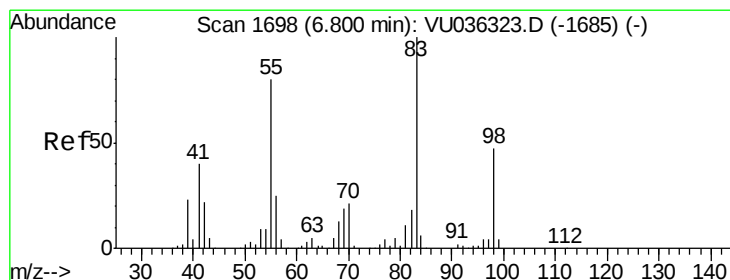
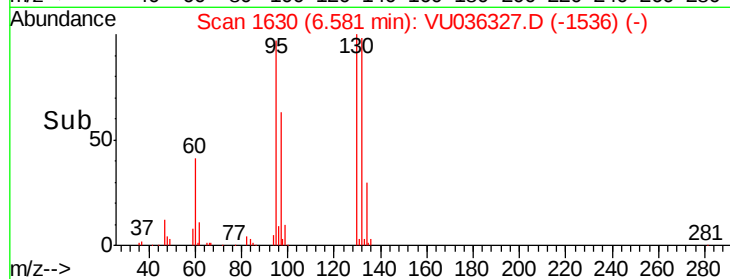
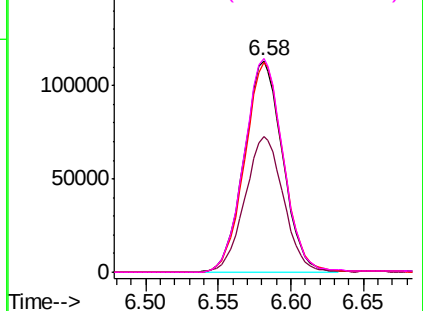


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.881 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

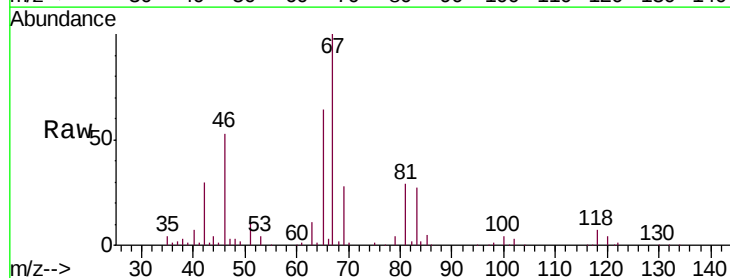
Tgt Ion: 83 Resp: 27451

Ion Ratio Lower Upper

83 100

55 0.6 62.6 94.0#

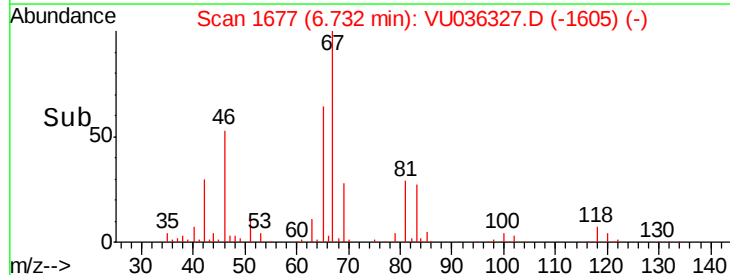
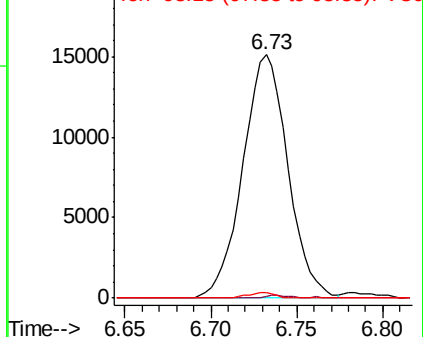
98 1.3 36.2 54.2#

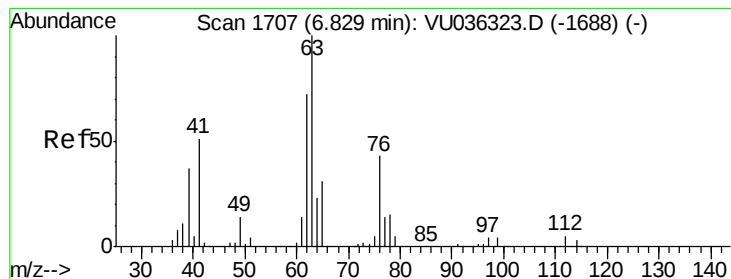


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

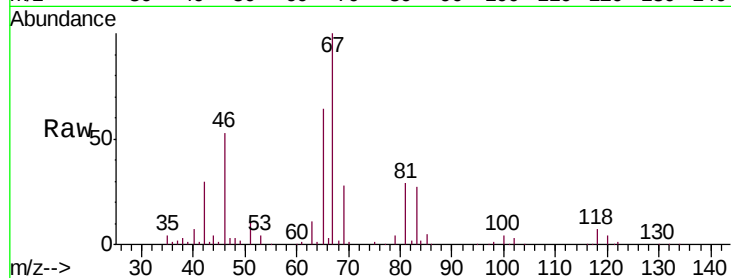
BFDX1DL

Tgt Ion: 63 Resp: 12934

Ion Ratio Lower Upper

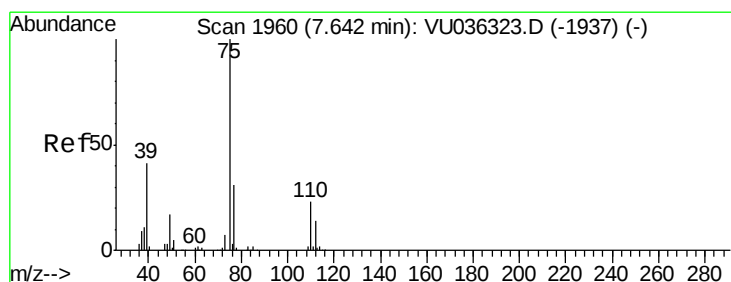
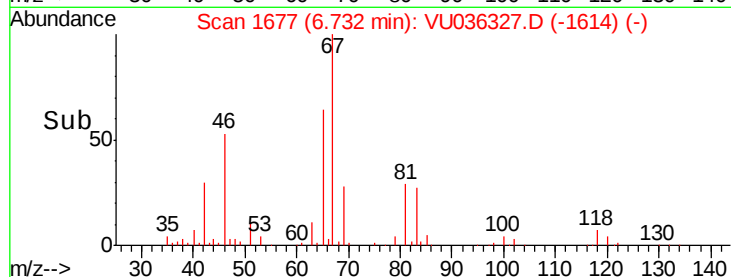
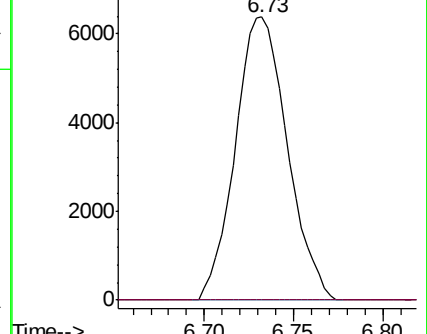
63 100

112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036327.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU036327.D (-1677) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.05 min

Lab File: VU036327.D

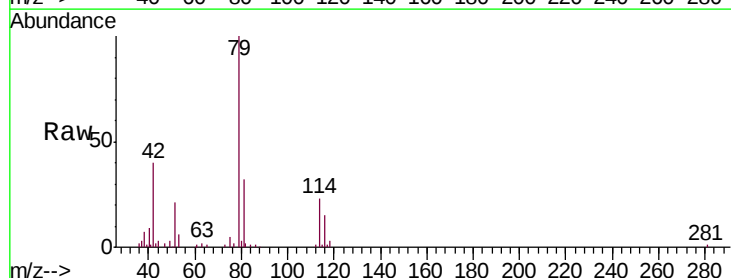
Acq: 23 Dec 2019 15:37

Tgt Ion: 75 Resp: 2965

Ion Ratio Lower Upper

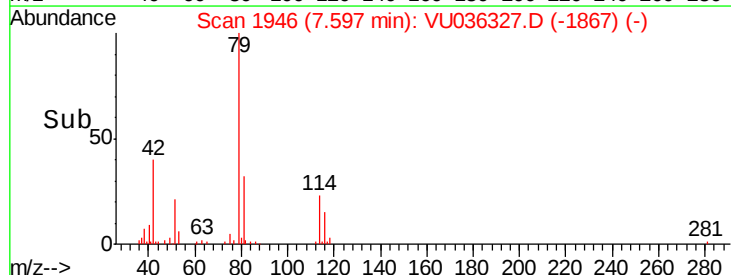
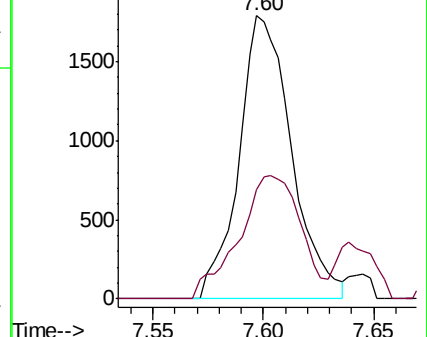
75 100

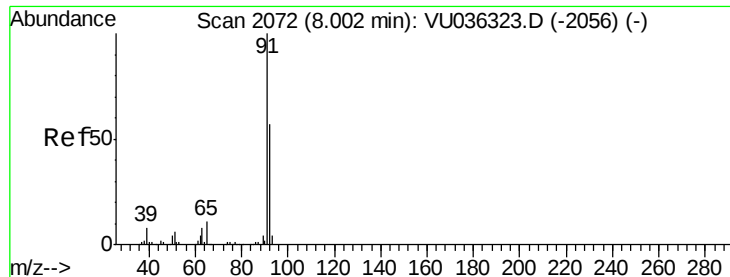
77 38.5 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU036327.D (-1867) (-)

Ion 77.05 (76.75 to 77.75): VU036327.D (-1867) (-)





#42

Toluene

Concen: 0.117 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

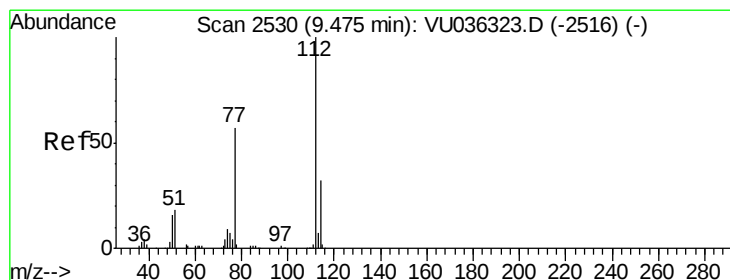
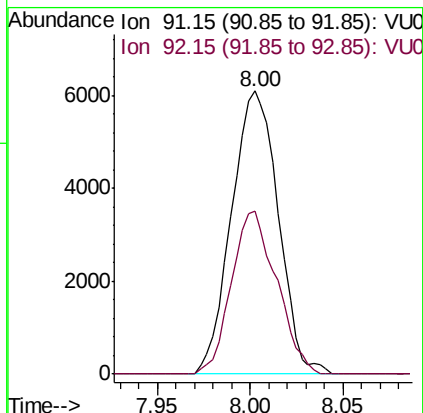
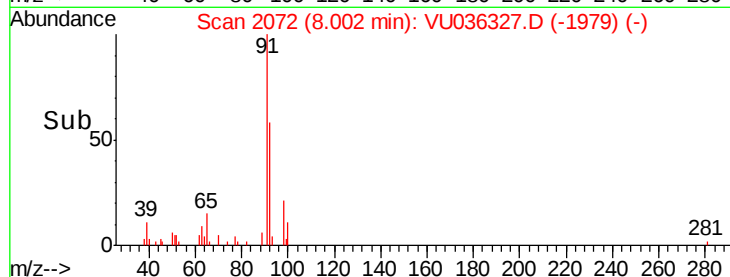
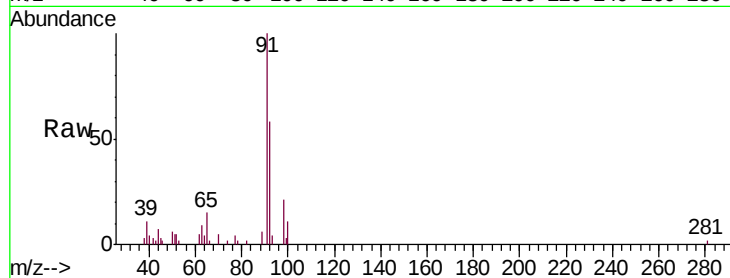
BFDX1DL

Tgt Ion: 91 Resp: 10652

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.6



#51

Chlorobenzene

Concen: 0.147 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

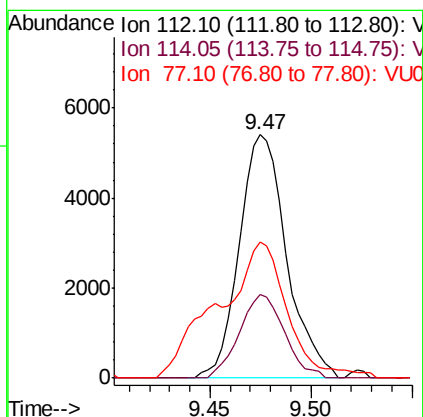
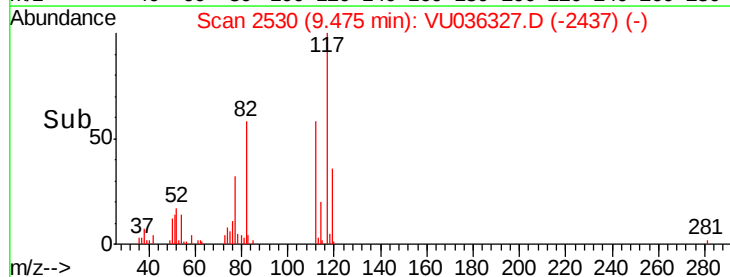
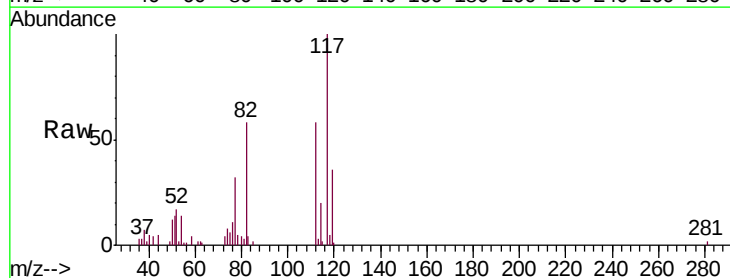
Tgt Ion: 112 Resp: 8869

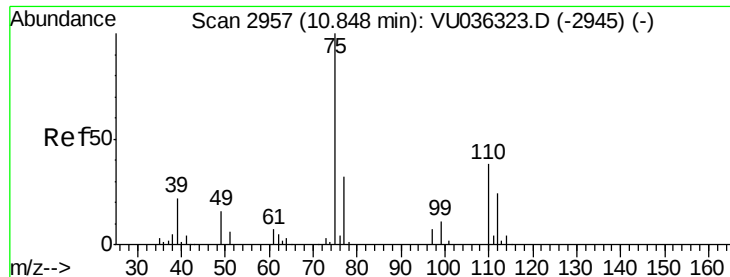
Ion Ratio Lower Upper

112 100

114 34.1 23.2 43.2

77 55.7 46.5 69.7





#59

1,2,3-Trichloropropane

Concen: 0.949 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

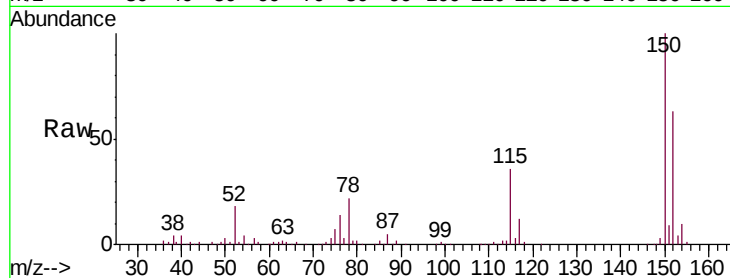
BFDX1DL

Tgt Ion: 75 Resp: 13670

Ion Ratio Lower Upper

75 100

77 35.9 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU036327.D (-2335) (-)

Ion 77.00 (76.70 to 77.70): VU036327.D (-2335) (-)

11.83

8000

6000

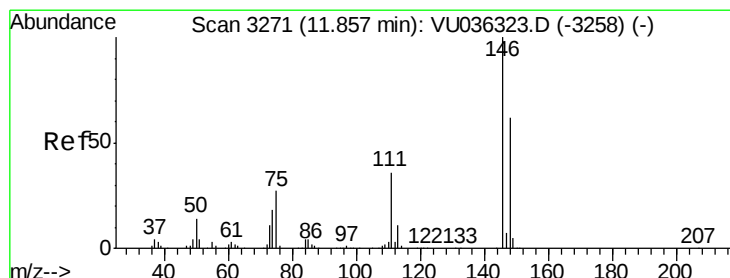
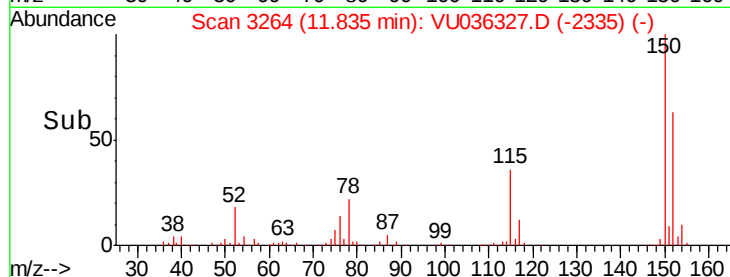
4000

2000

0

11.80 11.85 11.90

Time-->



#63

1,4-Dichlorobenzene

Concen: 0.121 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036327.D

Acq: 23 Dec 2019 15:37

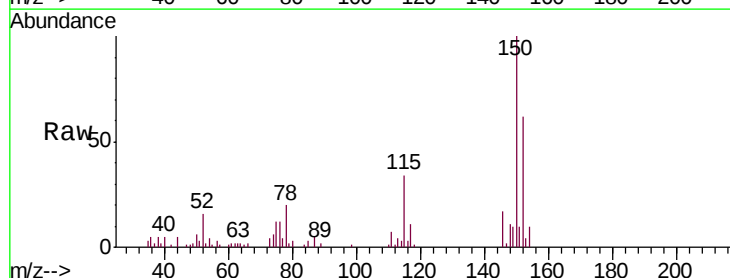
Tgt Ion: 146 Resp: 4502

Ion Ratio Lower Upper

146 100

111 41.5 25.8 48.0

148 66.3 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): VU036327.D (-3178) (-)

Ion 111.00 (110.70 to 111.70): VU036327.D (-3178) (-)

Ion 148.00 (147.70 to 148.70): VU036327.D (-3178) (-)

11.86

3000

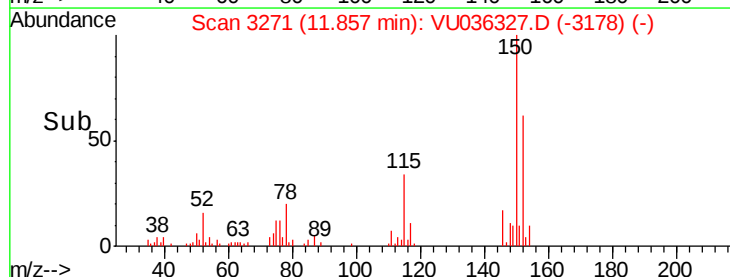
2000

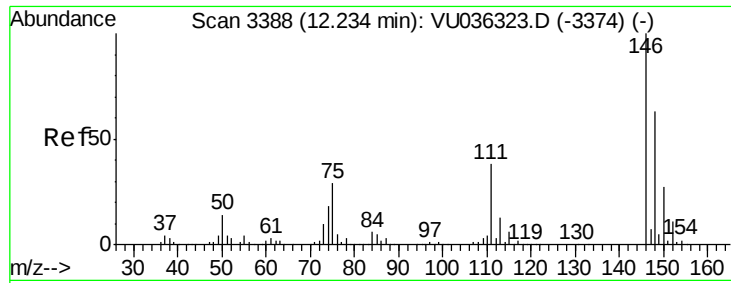
1000

0

11.80 11.85 11.90

Time-->

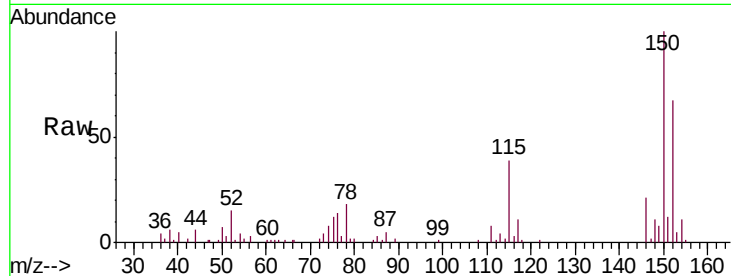




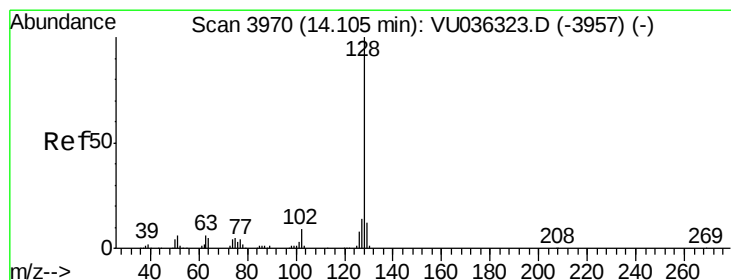
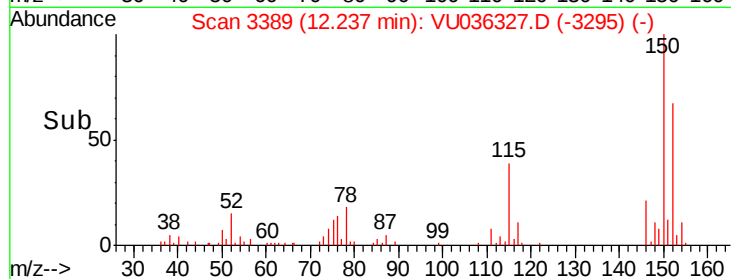
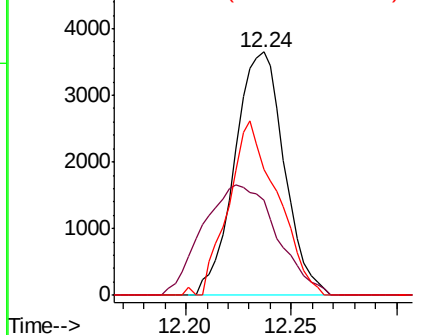
#65
 1,2-Dichlorobenzene
 Concen: 0.166 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036327.D
 Acq: 23 Dec 2019 15:37

Instrument :
 MSVOA_U
 ClientSampleID :
 BFDX1DL

Tgt Ion:146 Resp: 5938
 Ion Ratio Lower Upper
 146 100
 111 38.9 32.5 48.7
 148 51.8 49.2 73.8

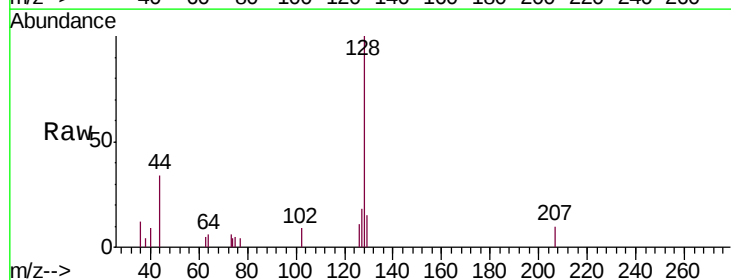


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#69
 Naphthalene
 Concen: 0.219 ug/L
 RT: 14.11 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VU036327.D
 Acq: 23 Dec 2019 15:37

Tgt Ion:128 Resp: 5139
 Ion Ratio Lower Upper
 128 100
 129 8.6 8.4 12.6
 127 17.3 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

