

Data File : VU028235.D
Acq On : 17 Nov 2018 19:30
Operator : MD/SY
Sample : J5986-06DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FHODL

Quant Time: Nov 19 03:12:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	148103	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	141726	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	62055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51460	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.68	69	44727	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.28	63	77083	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.20	46	188770	50.62	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.24%
24) Chloroform-d	4.65	84	94755	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.31	65	56157	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.34	84	189934	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.33	67	69499	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.57	98	160229	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.85	79	19873	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	136277	48.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49303	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	55612	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

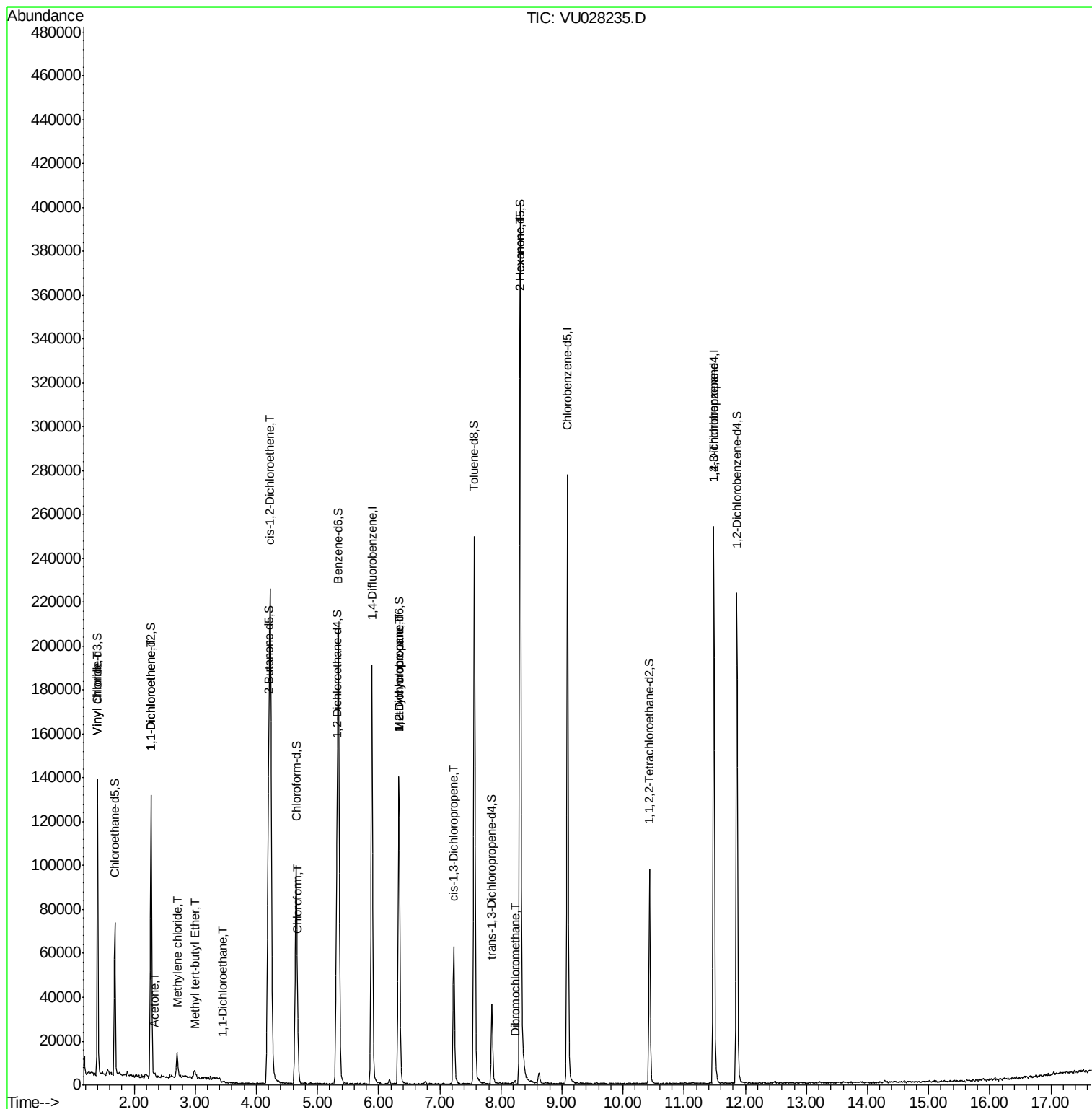
					Qvalue
5) Vinyl chloride	1.40	62	39549	2.631 ug/L	94
12) 1,1-Dichloroethene	2.29	96	720	0.079 ug/L #	1
13) Acetone	2.33	43	1293	0.504 ug/L	61
16) Methylene chloride	2.70	84	3871	0.337 ug/L	81
17) Methyl tert-butyl Ether	3.01	73	2126	0.078 ug/L #	89
19) 1,1-Dichloroethane	3.45	63	755	0.034 ug/L #	83
22) cis-1,2-Dichloroethene	4.23	96	101021	8.800 ug/L	100
25) Chloroform	4.68	83	6267	0.257 ug/L	99
35) Methylcyclohexane	6.33	83	14161	0.785 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7043	0.528 ug/L #	93
39) cis-1,3-Dichloropropene	7.23	75	1645	0.097 ug/L #	61
48) 2-Hexanone	8.31	43	18424	2.709 ug/L #	69
49) Dibromochloromethane	8.23	129	366	0.045 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	9918	1.286 ug/L	93

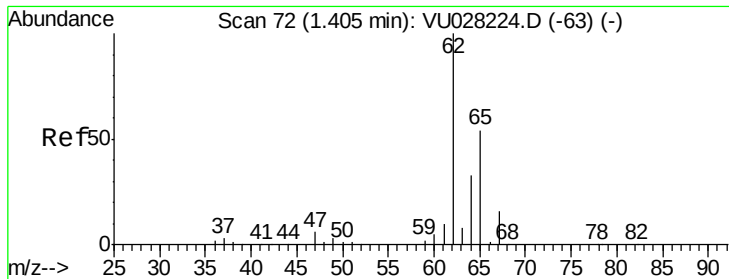
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.631 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028235.D

Acq: 17 Nov 2018 19:30

Instrument :

MSVOA_U

ClientSampleId :

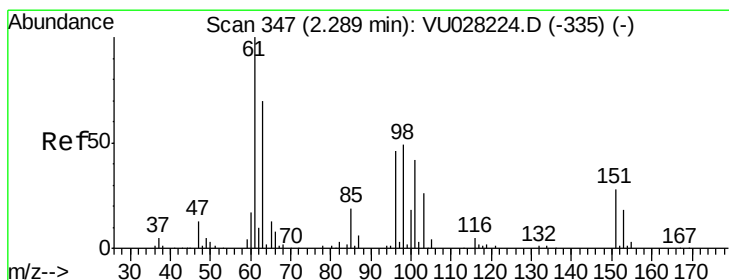
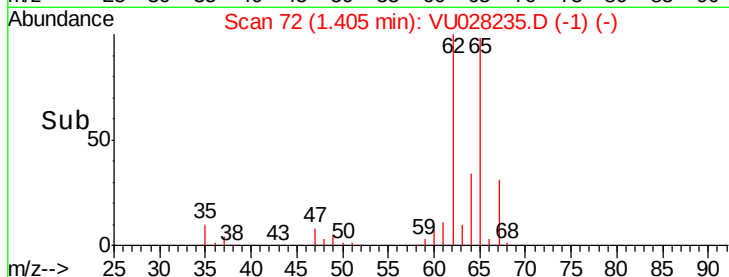
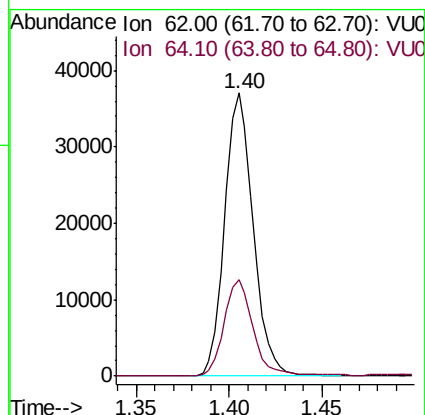
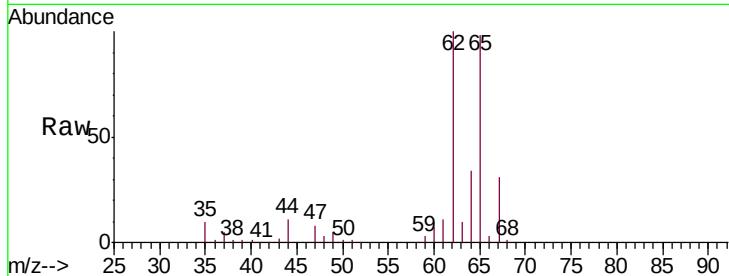
H0FH0DL

Tgt Ion: 62 Resp: 39549

Ion Ratio Lower Upper

62 100

64 34.2 21.7 40.3



#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028235.D

Acq: 17 Nov 2018 19:30

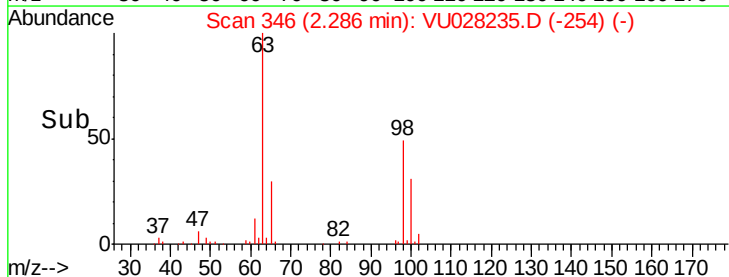
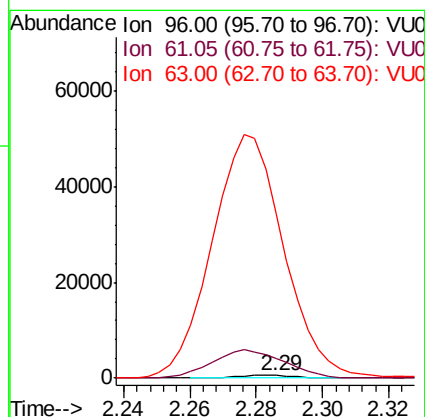
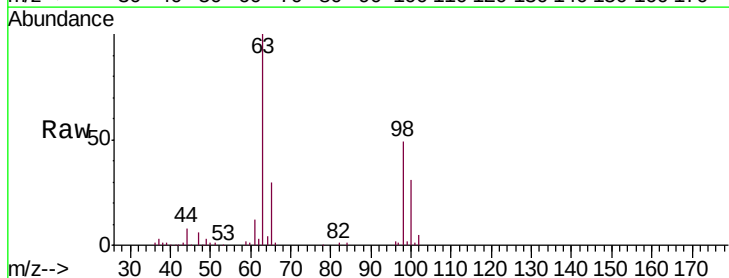
Tgt Ion: 96 Resp: 720

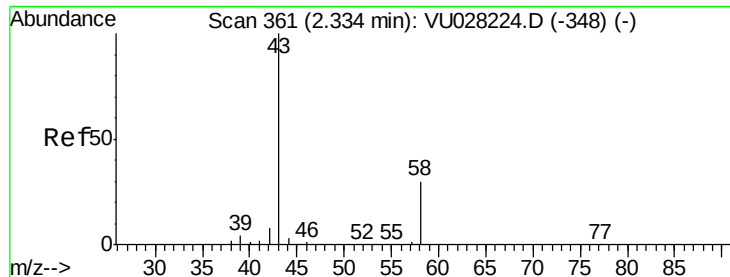
Ion Ratio Lower Upper

96 100

61 787.4 145.5 270.1#

63 6547.8 98.6 183.2#





#13

Acetone

Concen: 0.504 ug/L

RT: 2.33 min Scan# 360

Delta R.T. -0.02 min

Lab File: VU028235.D

Acq: 17 Nov 2018 19:30

Instrument :

MSVOA_U

ClientSampleId :

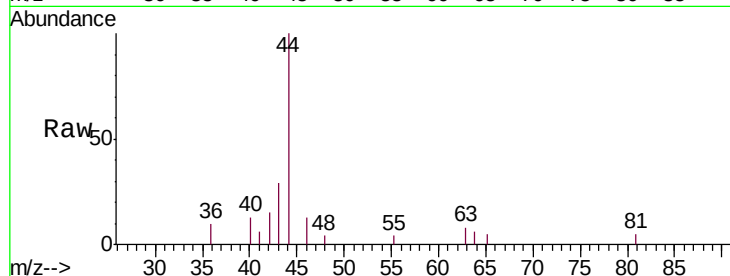
H0FH0DL

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 8.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

2.35

2.37

2.39

2.41

2.43

2.45

2.47

2.49

2.51

2.53

2.55

2.57

2.59

2.61

2.63

2.65

2.67

2.69

2.71

2.73

2.75

2.77

2.79

2.81

2.83

2.85

2.87

2.89

2.91

2.93

2.95

2.97

2.99

3.01

3.03

3.05

3.07

3.09

3.11

3.13

3.15

3.17

3.19

3.21

3.23

3.25

3.27

3.29

3.31

3.33

3.35

3.37

3.39

3.41

3.43

3.45

3.47

3.49

3.51

3.53

3.55

3.57

3.59

3.61

3.63

3.65

3.67

3.69

3.71

3.73

3.75

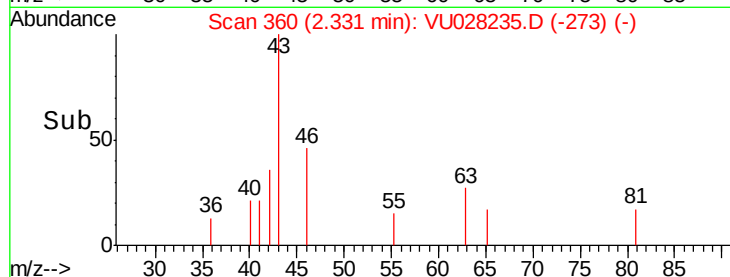
3.77

3.79

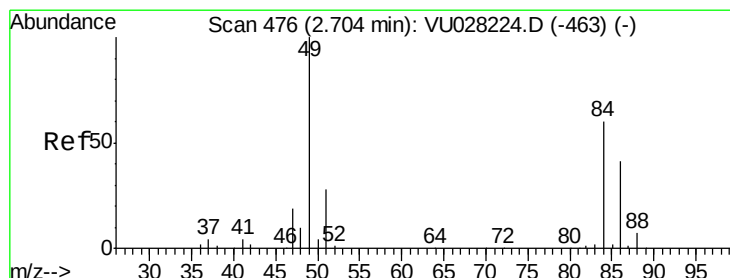
3.81

3.83

3.85



Time-->



#16

Methylene chloride

Concen: 0.337 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU028235.D

Acq: 17 Nov 2018 19:30

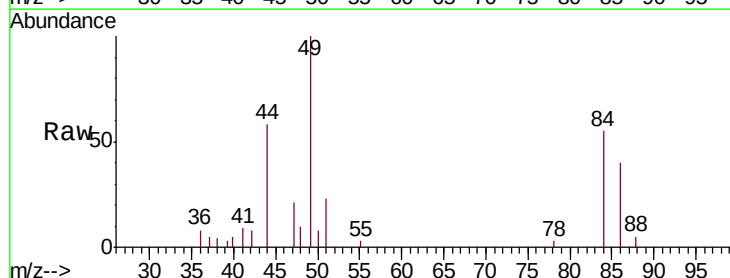
Tgt Ion: 84 Resp: 3871

Ion Ratio Lower Upper

84 100

86 73.2 45.3 84.1

49 182.4 107.9 200.5



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

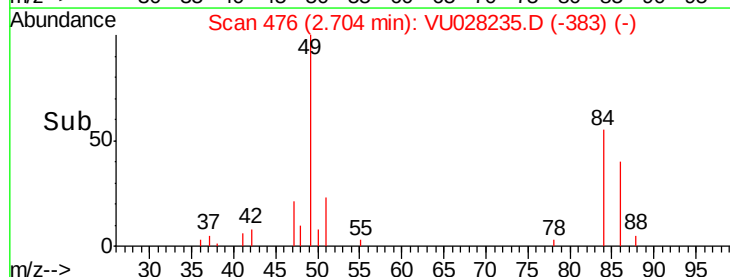
4.25

4.30

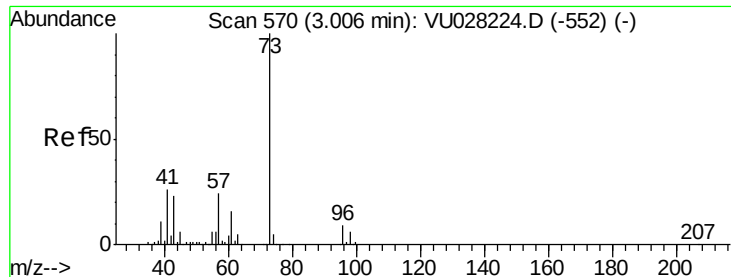
4.35

4.40

4.45



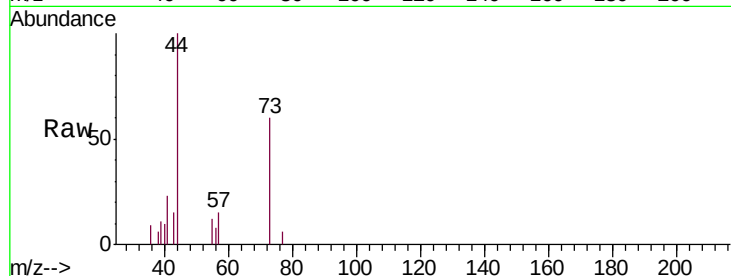
Time-->



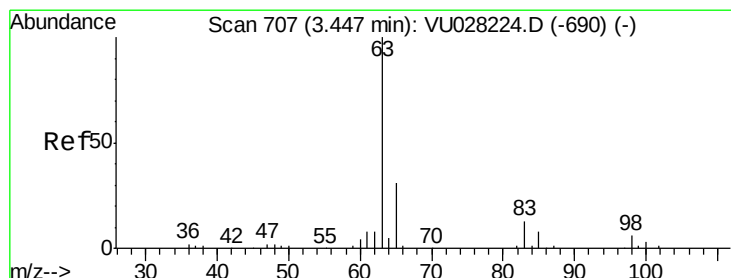
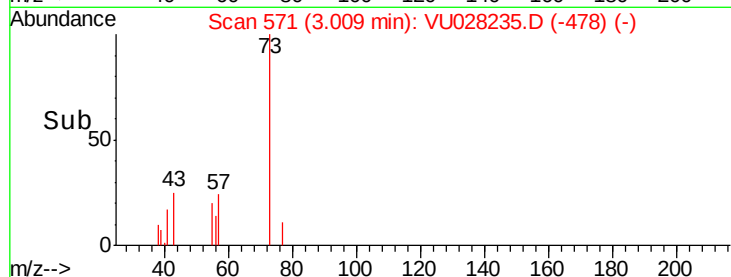
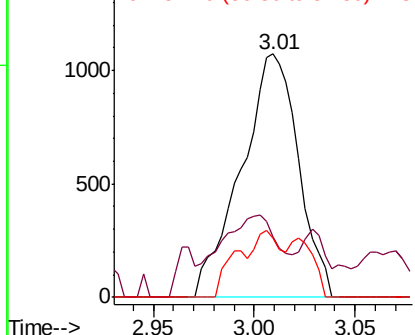
#17
Methyl tert-butyl Ether
Concen: 0.078 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

Instrument :
MSVOA_U
ClientSampled :
H0FH0DL

Tgt Ion: 73 Resp: 2126
Ion Ratio Lower Upper
73 100
43 15.6 18.8 28.2#
57 21.1 19.2 28.8

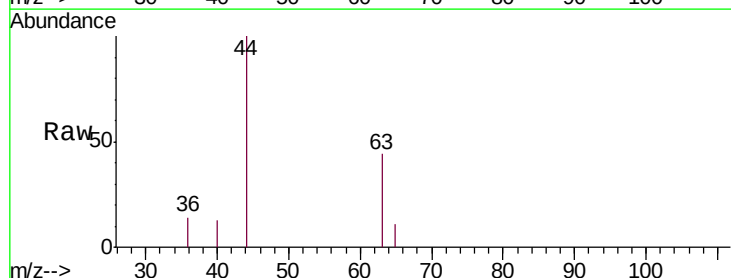


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

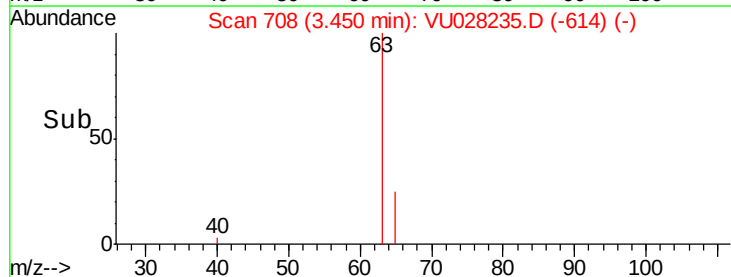
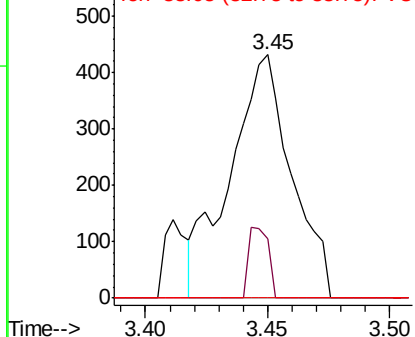


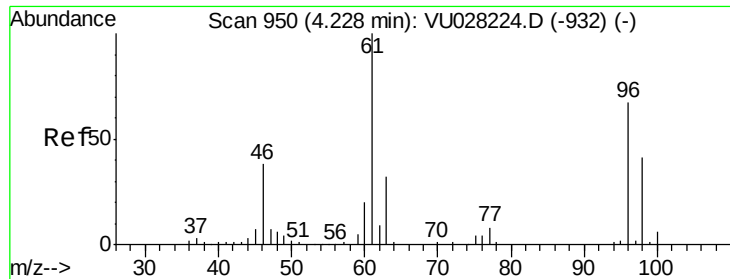
#19
1,1-Dichloroethane
Concen: 0.034 ug/L
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

Tgt Ion: 63 Resp: 755
Ion Ratio Lower Upper
63 100
65 24.5 21.2 39.4
83 0.0 8.8 16.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



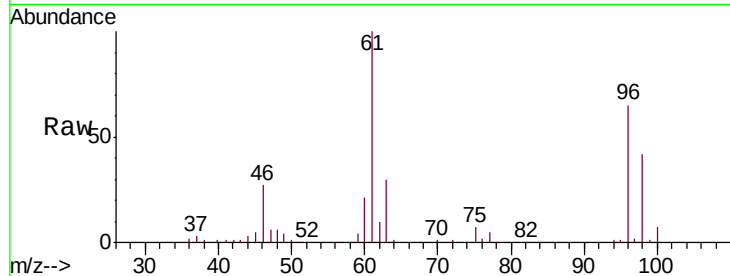


#22

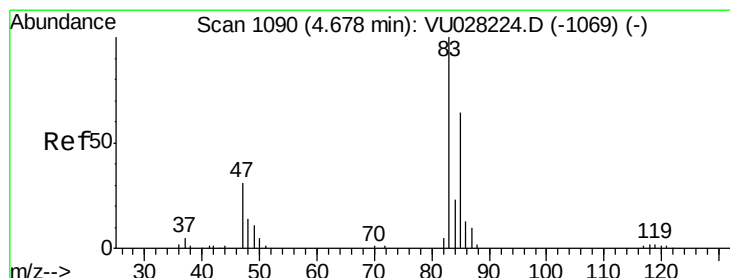
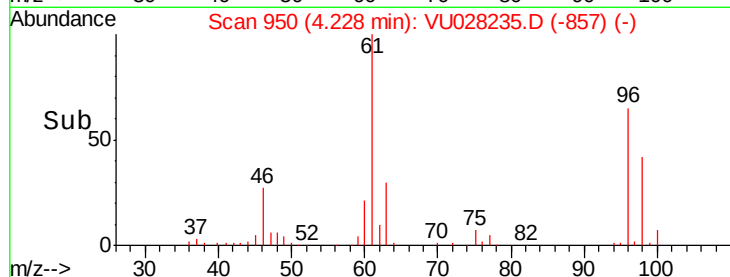
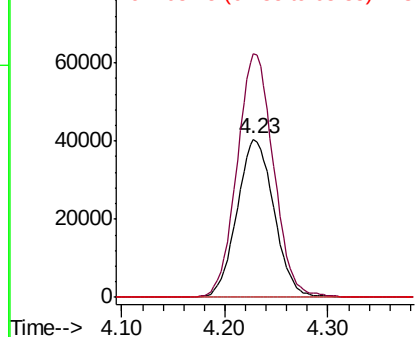
cis-1,2-Dichloroethene
Concen: 8.800 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

Instrument :
MSVOA_U
ClientSampleId :
H0FH0DL

Tgt Ion: 96 Resp: 101021
Ion Ratio Lower Upper
96 100
61 153.8 108.0 200.6
68 0.0 0.0 0.0



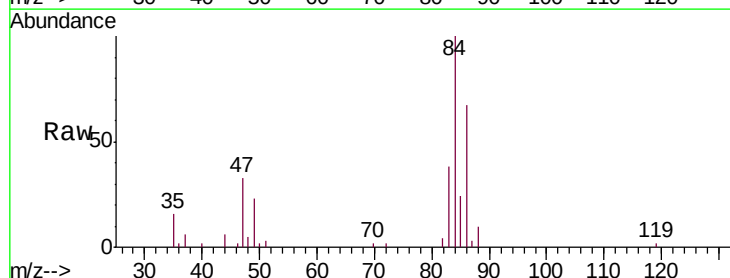
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



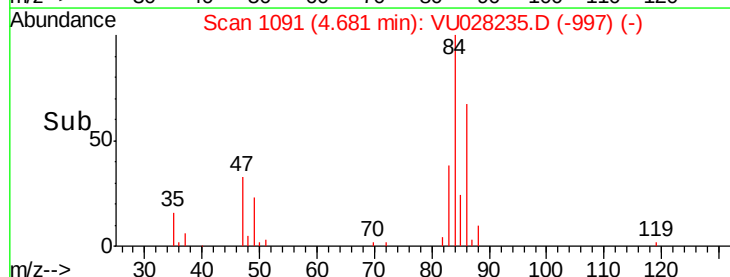
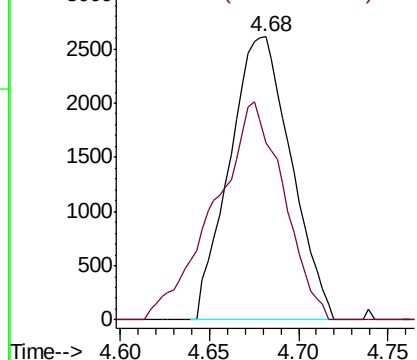
#25

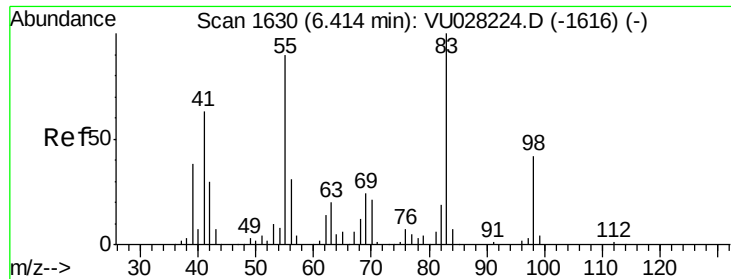
Chloroform
Concen: 0.257 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

Tgt Ion: 83 Resp: 6267
Ion Ratio Lower Upper
83 100
85 62.7 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

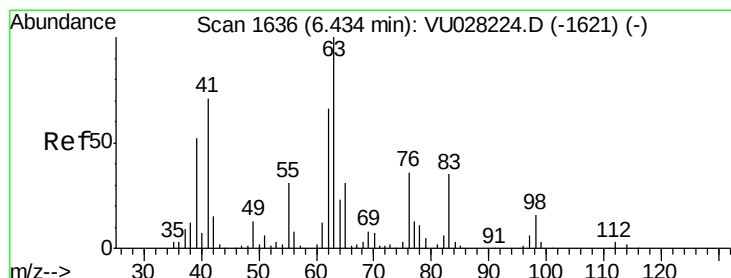
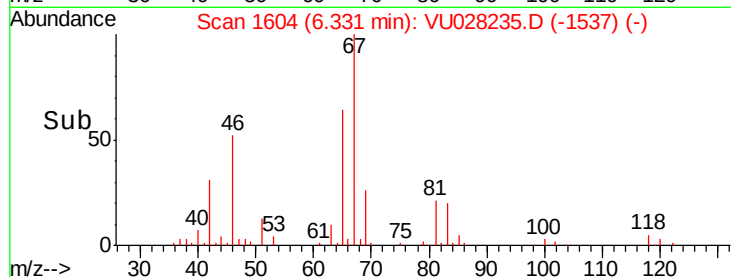
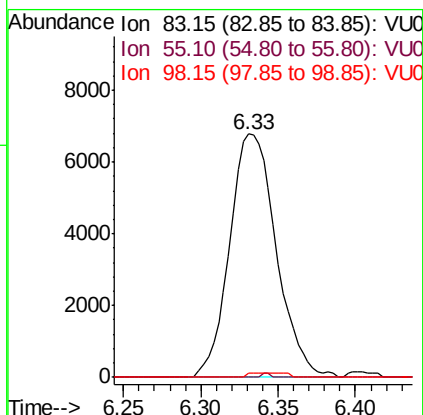
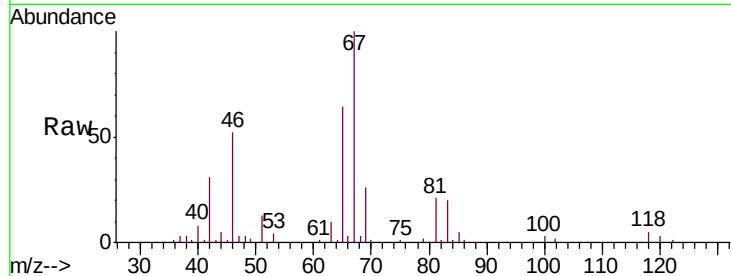




#35
Methylcyclohexane
Concen: 0.785 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

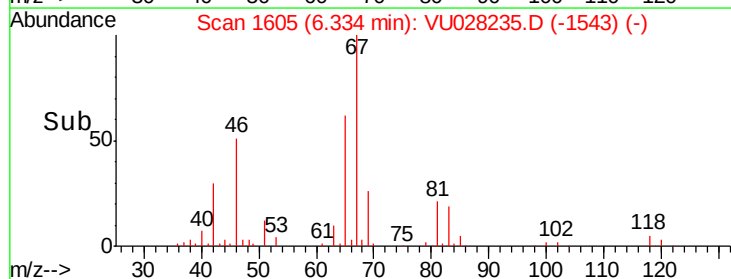
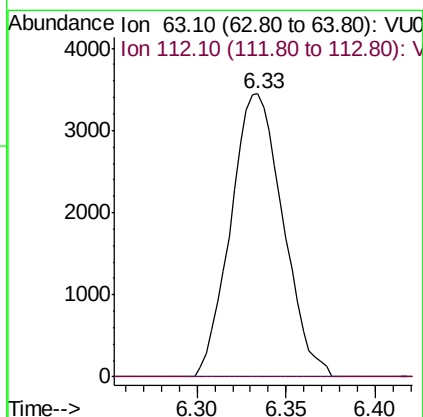
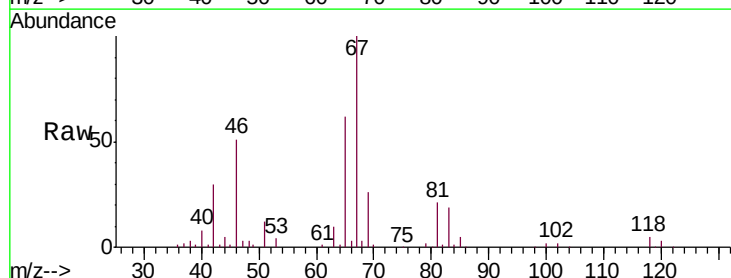
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ClientSampleId :
H0FH0DL

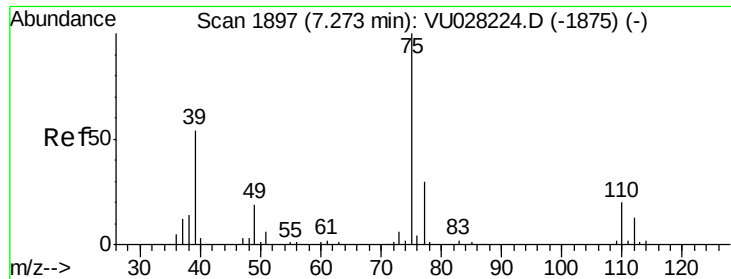
Tgt Ion: 83 Resp: 14161
Ion Ratio Lower Upper
83 100
55 0.3 73.2 109.8#
98 1.5 33.4 50.2#



#37
1,2-Dichloropropane
Concen: 0.528 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028235.D
Acq: 17 Nov 2018 19:30

Tgt Ion: 63 Resp: 7043
Ion Ratio Lower Upper
63 100
112 0.3 2.2 3.2#

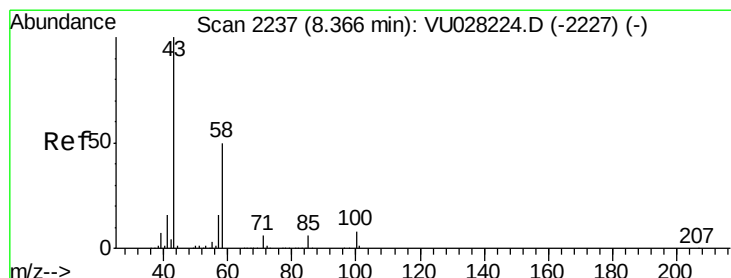
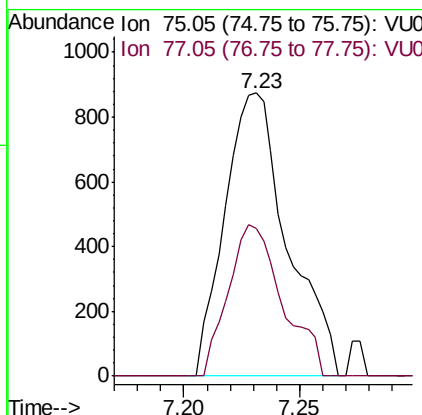
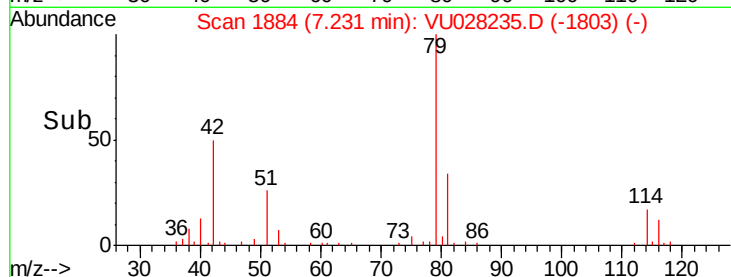
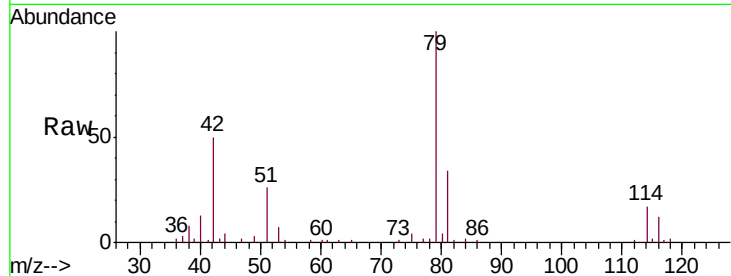




#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028235.D
 Acq: 17 Nov 2018 19:30

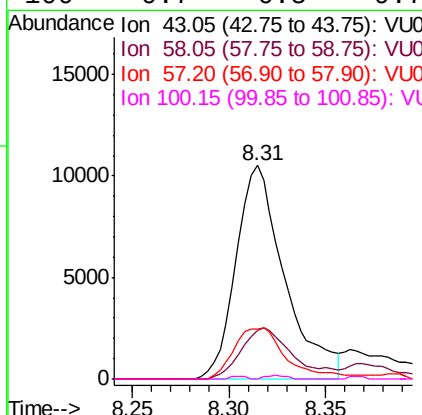
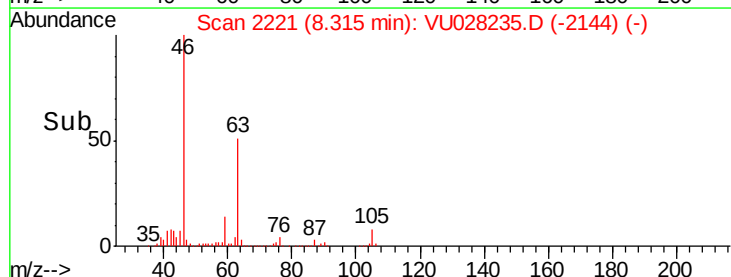
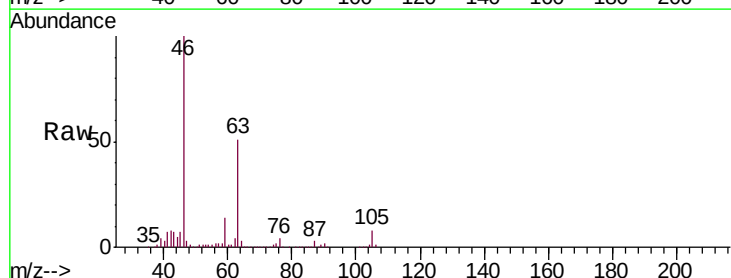
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH0DL

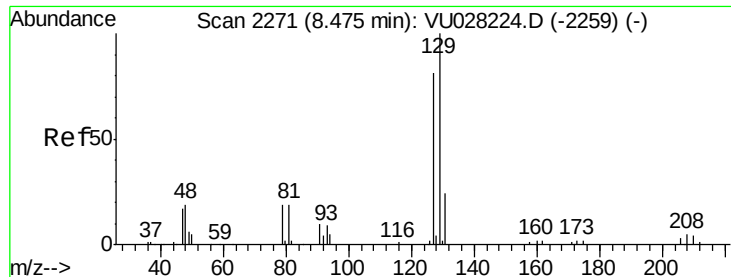
Tgt Ion: 75 Resp: 1645
 Ion Ratio Lower Upper
 75 100
 77 52.2 21.7 40.3#



#48
 2-Hexanone
 Concen: 2.709 ug/L
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU028235.D
 Acq: 17 Nov 2018 19:30

Tgt Ion: 43 Resp: 18424
 Ion Ratio Lower Upper
 43 100
 58 25.4 41.1 61.7#
 57 25.7 13.8 20.8#
 100 0.7 6.5 9.7#





#49

Dibromochloromethane

Concen: 0.045 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VU028235.D

Acq: 17 Nov 2018 19:30

Instrument :

MSVOA_U

ClientSampleId :

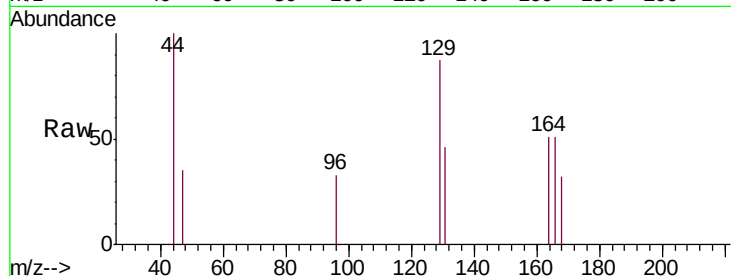
H0FH0DL

Tgt Ion: 129 Resp: 366

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.23

400

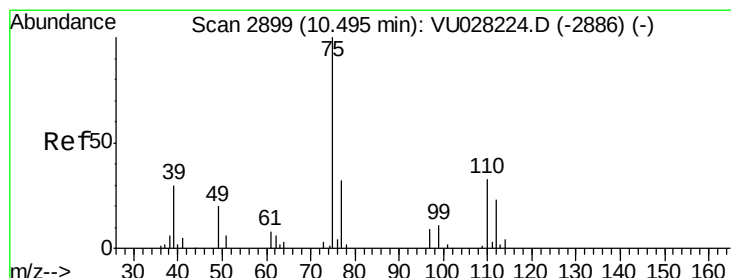
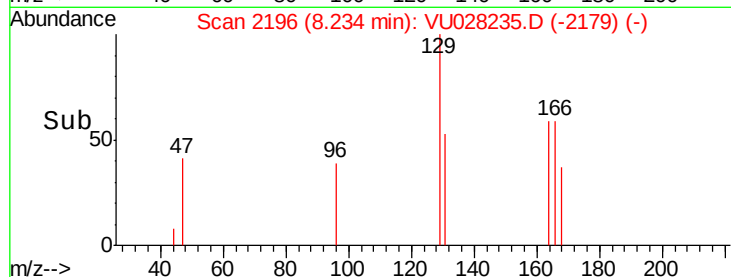
300

200

100

0

Time--> 8.20 8.22 8.24



#59

1,2,3-Trichloropropane

Concen: 1.286 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028235.D

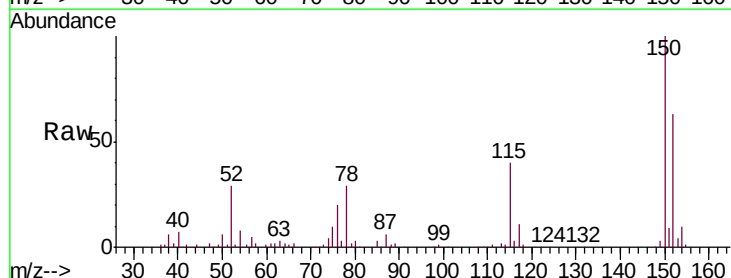
Acq: 17 Nov 2018 19:30

Tgt Ion: 75 Resp: 9918

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

4000

2000

0

Time--> 11.45 11.50 11.55

