

Data File : VU034982.D
Acq On : 08 Oct 2019 10:14
Operator : JC/SP
Sample : K5196-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K00

Quant Time: Oct 09 07:18:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 07:15:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	175178	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	174631	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	66268	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45009	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.68	69	44055	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.26	63	70373	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.17	46	143698	47.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.24%
24) Chloroform-d	4.62	84	91980	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.29	65	54511	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.32	84	195820	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.31	67	66260	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	176699	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.84	79	19473	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.30	63	101164	43.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55830	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	60952	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

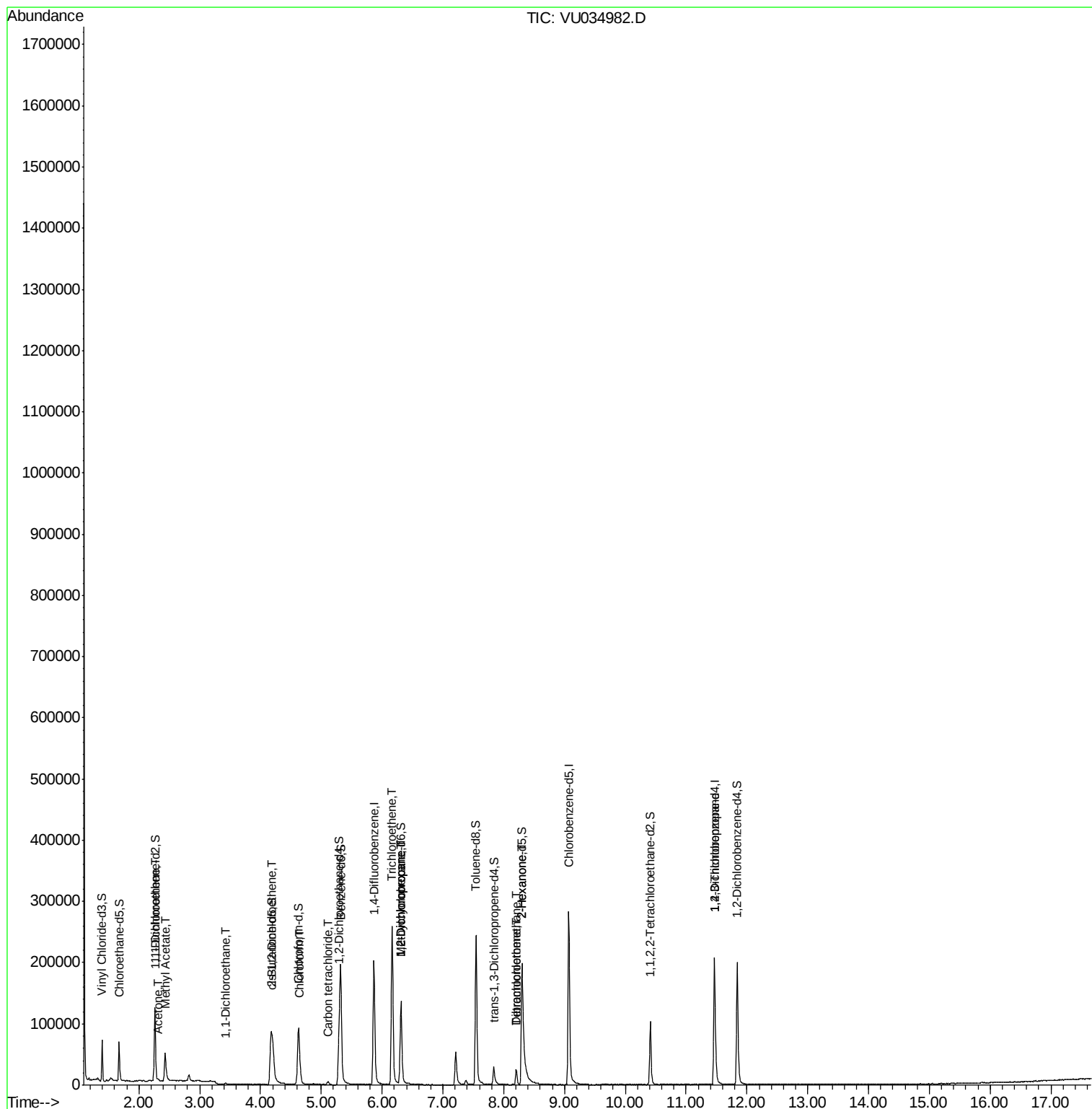
					Qvalue
12) 1,1-Dichloroethene	2.28	96	1937	0.172 ug/L #	1
13) Acetone	2.31	43	2843	1.138 ug/L	97
15) Methyl Acetate	2.43	43	13226	1.989 ug/L #	53
19) 1,1-Dichloroethane	3.42	63	2872	0.120 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	25591	1.904 ug/L	90
25) Chloroform	4.65	83	13081	0.486 ug/L	99
31) Carbon tetrachloride	5.11	117	3671	0.216 ug/L	90
34) Trichloroethene	6.16	95	95656	7.051 ug/L	98
35) Methylcyclohexane	6.31	83	15474	0.704 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	8021	0.565 ug/L #	88
47) Tetrachloroethene	8.21	164	5473	0.498 ug/L	98
48) 2-Hexanone	8.30	43	10136	1.655 ug/L #	81
49) Dibromochloromethane	8.21	129	5336	0.490 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8419	0.917 ug/L #	86

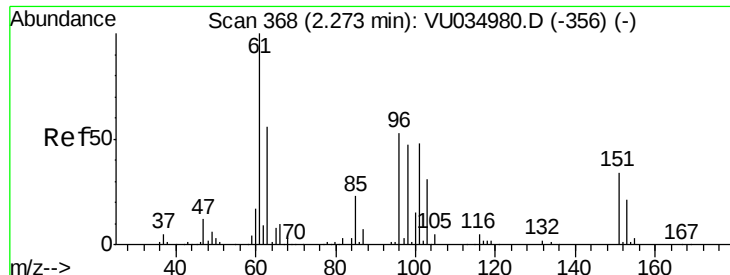
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.172 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

C0K00

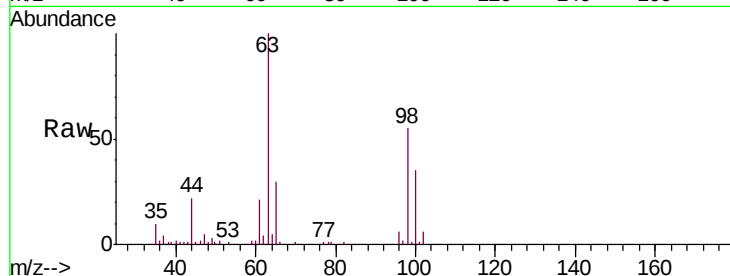
Tgt Ion: 96 Resp: 1937

Ion Ratio Lower Upper

96 100

61 355.8 129.3 240.1#

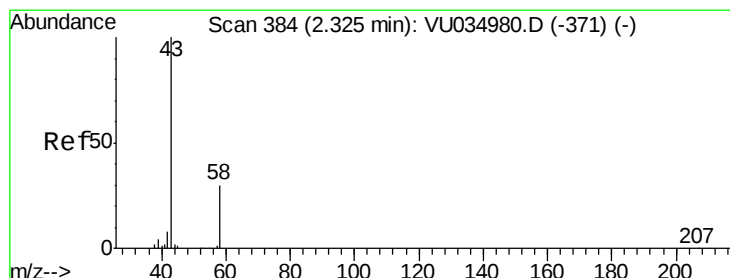
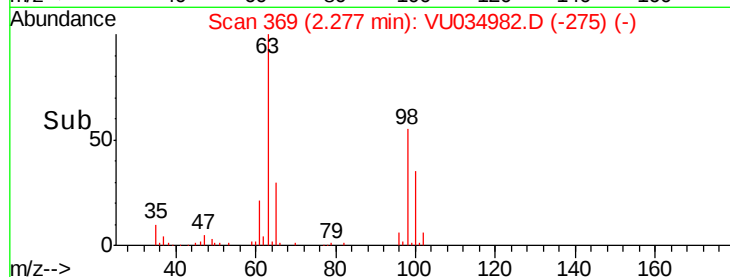
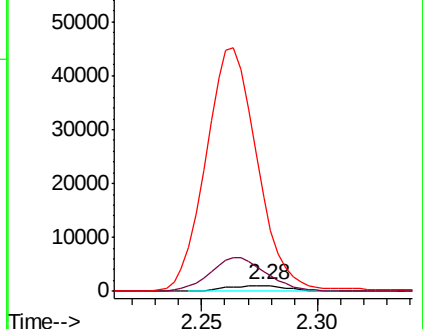
63 1678.3 108.9 202.3#



Abundance Ion 96.00 (95.70 to 96.70): VU034982.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU034982.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU034982.D (-275) (-)



#13

Acetone

Concen: 1.138 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034982.D

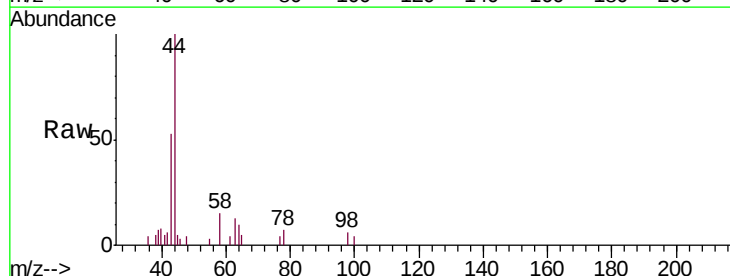
Acq: 08 Oct 2019 10:14

Tgt Ion: 43 Resp: 2843

Ion Ratio Lower Upper

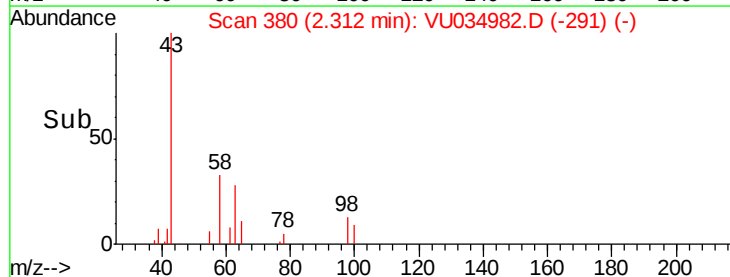
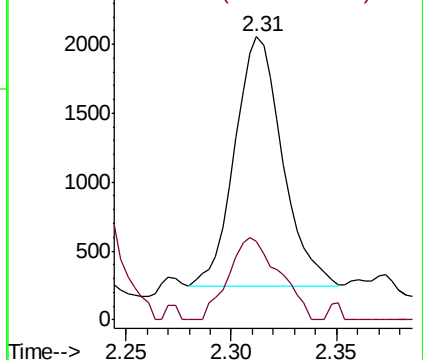
43 100

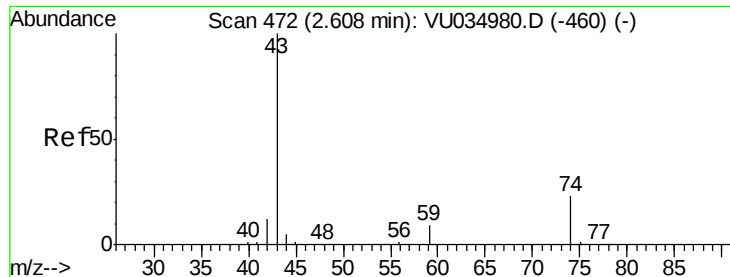
58 34.9 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU034982.D (-291) (-)

Ion 58.05 (57.75 to 58.75): VU034982.D (-291) (-)





#15

Methyl Acetate

Concen: 1.989 ug/L

RT: 2.43 min Scan# 417

Delta R.T. -0.18 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Instrument :

MSVOA_U

ClientSampled :

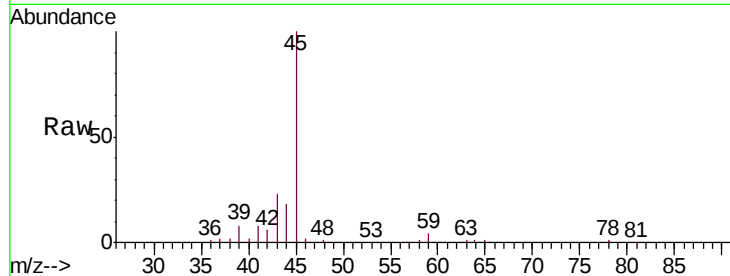
C0K00

Tgt Ion: 43 Resp: 13226

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU034982.D (-379) (-)

Ion 74.05 (73.75 to 74.75): VU034982.D (-379) (-)

2.43

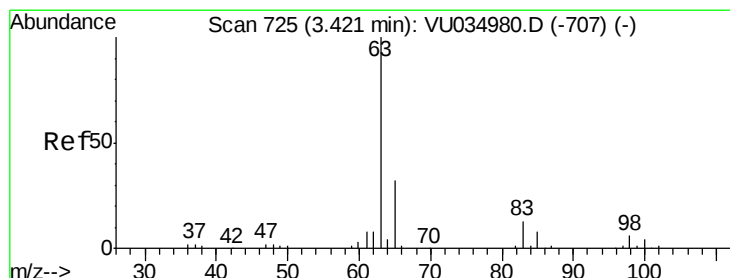
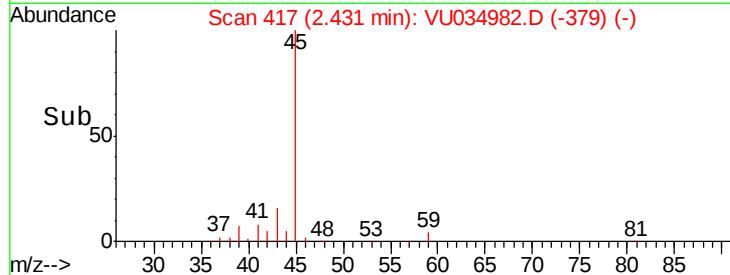
6000

4000

2000

0

Time-->



#19

1,1-Dichloroethane

Concen: 0.120 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

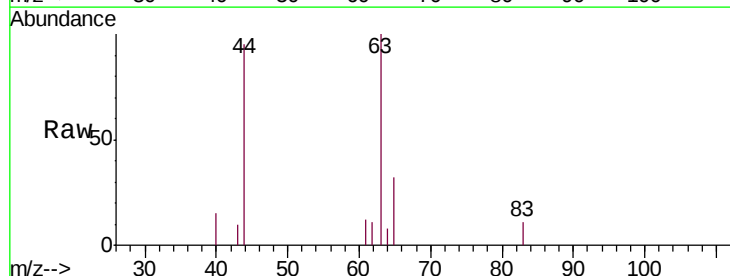
Tgt Ion: 63 Resp: 2872

Ion Ratio Lower Upper

63 100

65 31.9 21.7 40.3

83 11.1 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU034982.D (-632) (-)

Ion 65.10 (64.80 to 65.80): VU034982.D (-632) (-)

Ion 83.05 (82.75 to 83.75): VU034982.D (-632) (-)

3.42

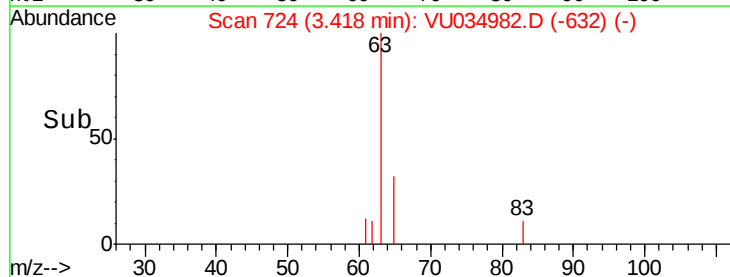
1500

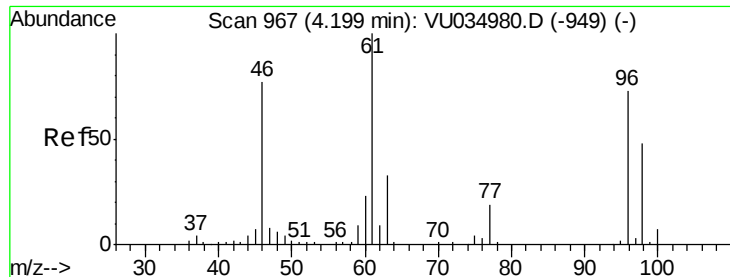
1000

500

0

Time-->



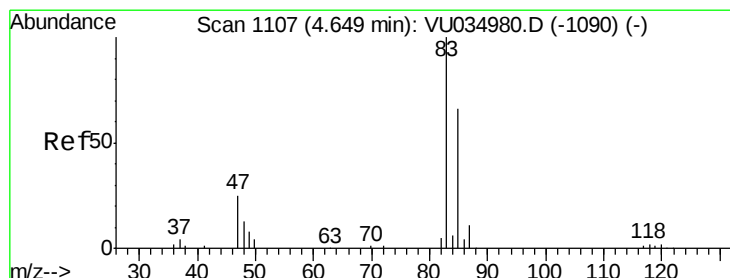
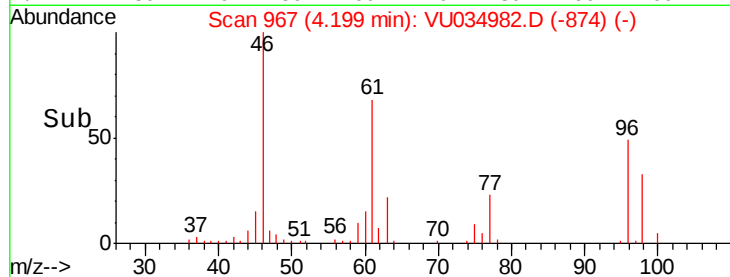
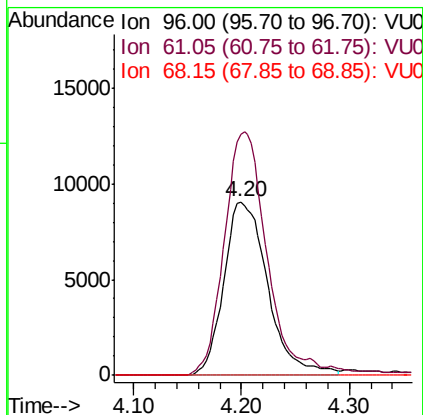
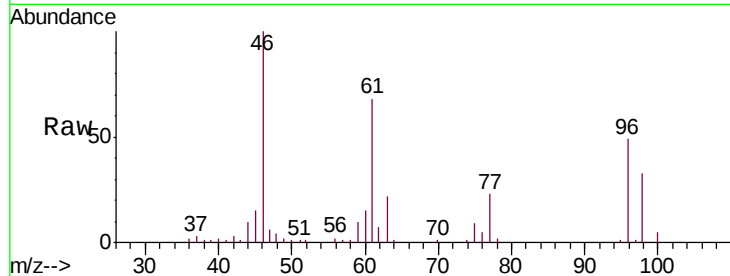


#22

cis-1,2-Dichloroethene
 Concen: 1.904 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034982.D
 Acq: 08 Oct 2019 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K00

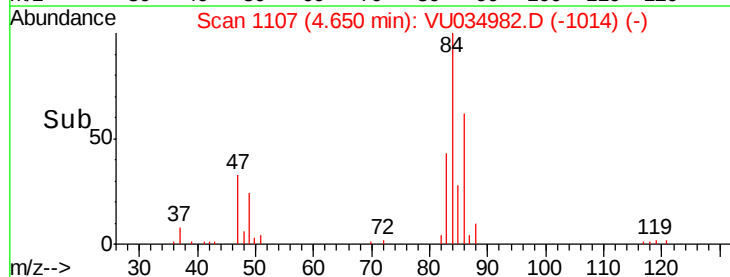
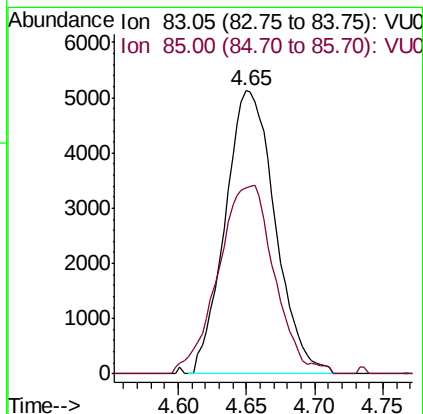
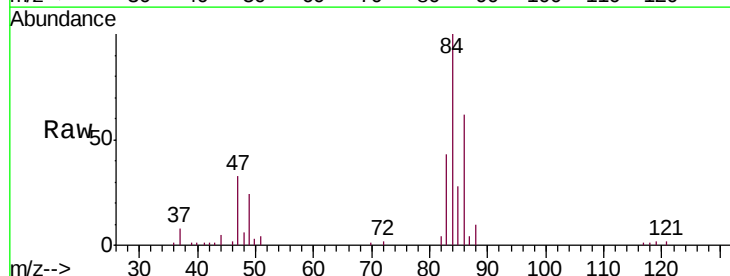
Tgt Ion: 96 Resp: 25591
 Ion Ratio Lower Upper
 96 100
 61 139.3 89.2 165.6
 68 0.0 0.0 0.0

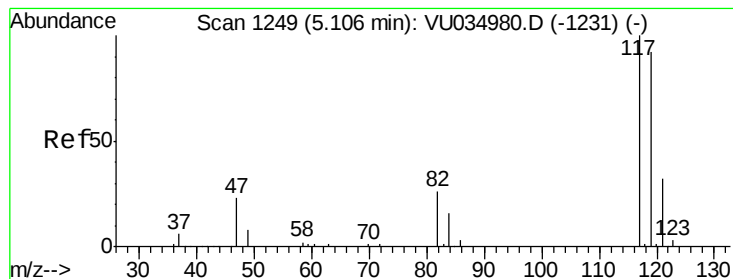


#25

Chloroform
 Concen: 0.486 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU034982.D
 Acq: 08 Oct 2019 10:14

Tgt Ion: 83 Resp: 13081
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.4 84.4





#31

Carbon tetrachloride

Concen: 0.216 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

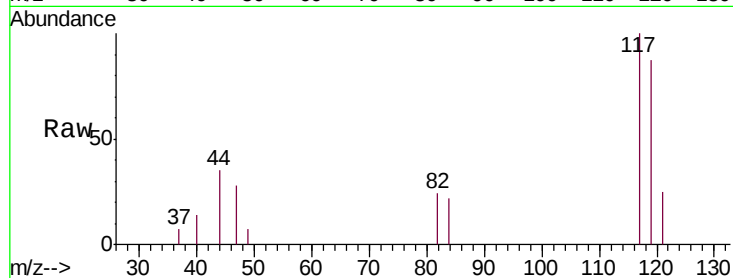
C0K00

Tgt Ion: 117 Resp: 3671

Ion Ratio Lower Upper

117 100

119 87.3 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.11

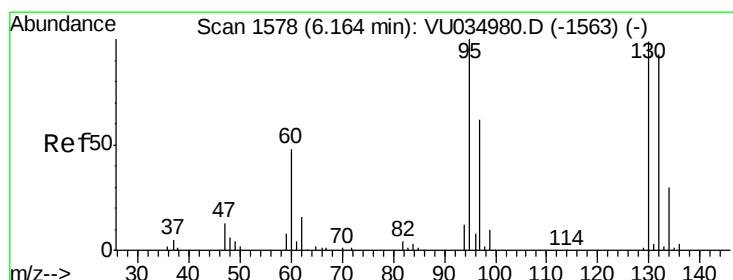
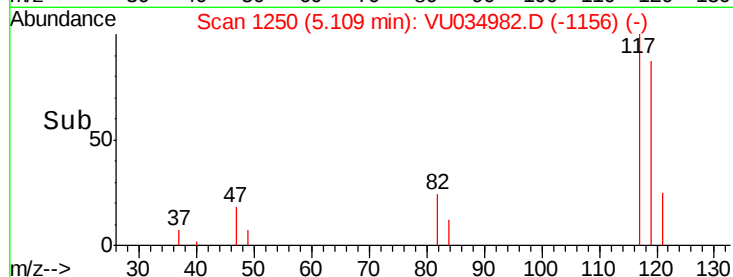
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 7.051 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Tgt Ion: 95 Resp: 95656

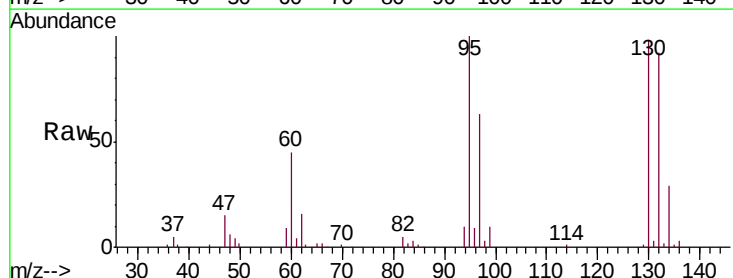
Ion Ratio Lower Upper

95 100

97 62.9 44.5 82.7

132 91.9 66.6 123.8

130 98.1 68.9 127.9



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

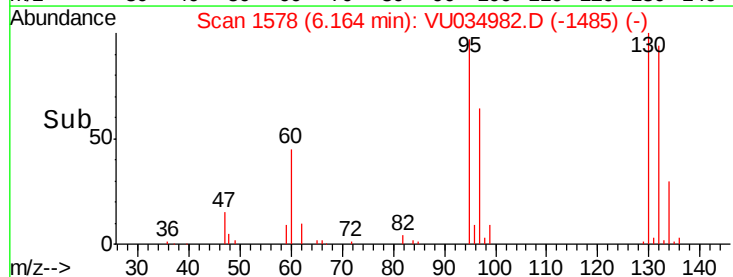
6.16

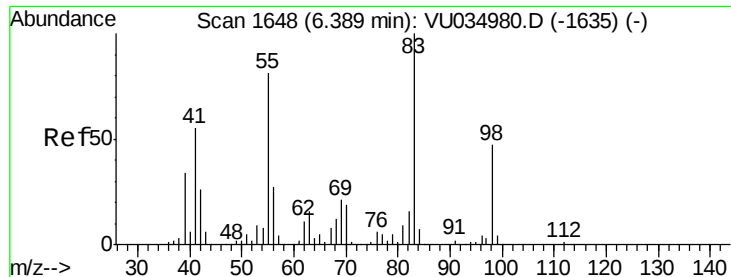
40000

20000

0

Time-->

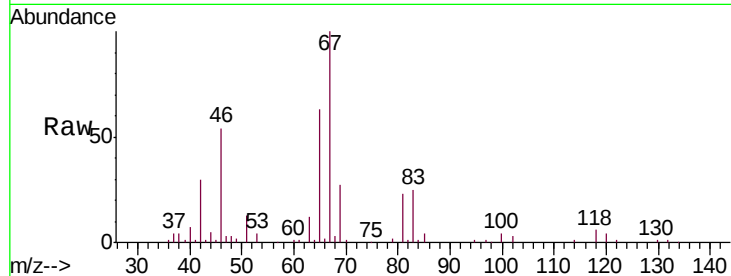




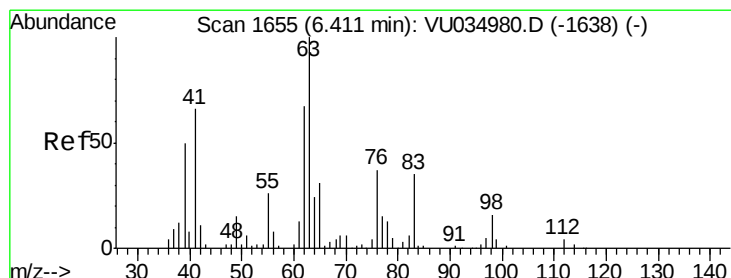
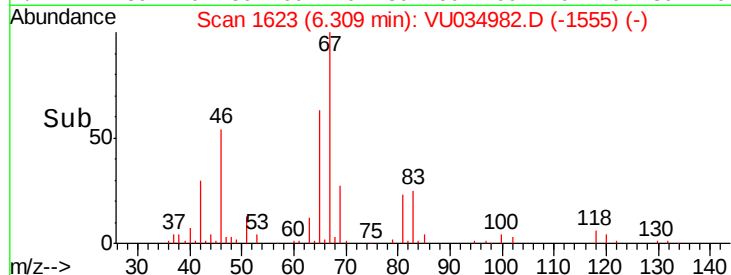
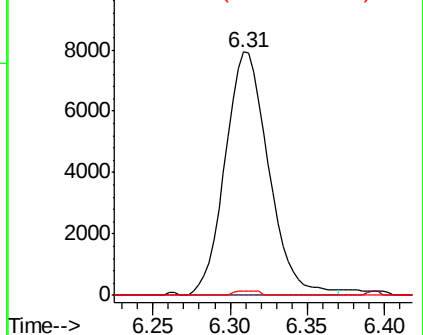
#35
Methylcyclohexane
Concen: 0.704 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU034982.D
Acq: 08 Oct 2019 10:14

Instrument :
MSVOA_U
ClientSampleId :
C0K00

Tgt Ion: 83 Resp: 15474
Ion Ratio Lower Upper
83 100
55 0.5 62.6 94.0#
98 1.0 36.2 54.2#

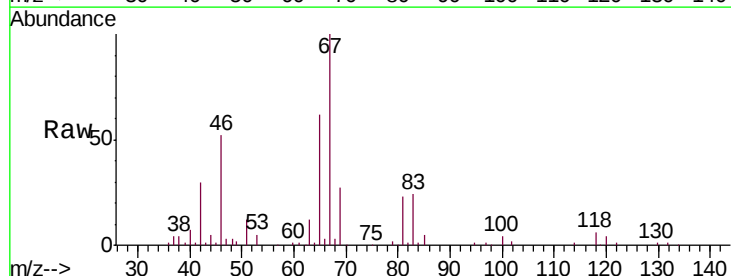


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

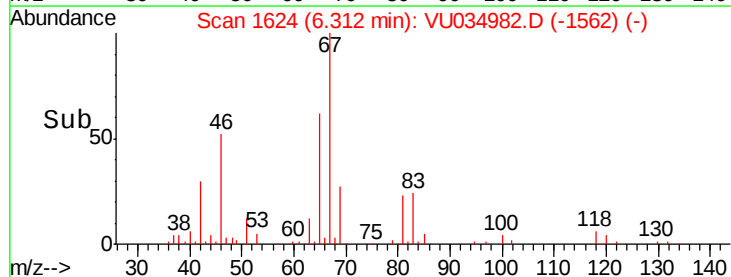
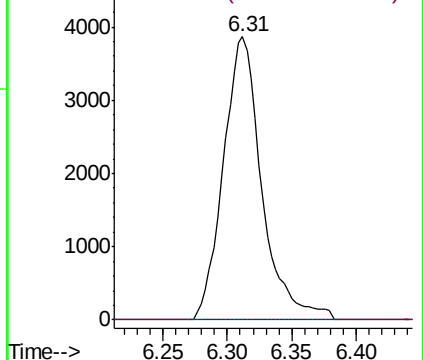


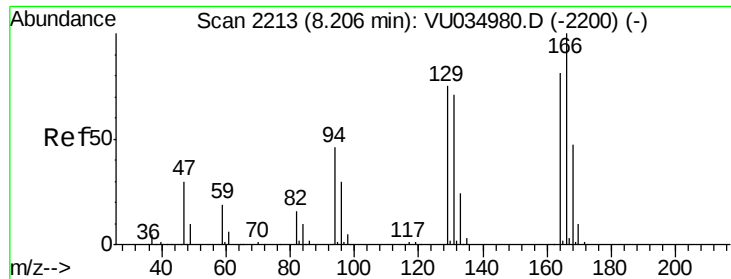
#37
1,2-Dichloropropane
Concen: 0.565 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU034982.D
Acq: 08 Oct 2019 10:14

Tgt Ion: 63 Resp: 8021
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.498 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

C0K00

Tgt Ion:164 Resp: 5473

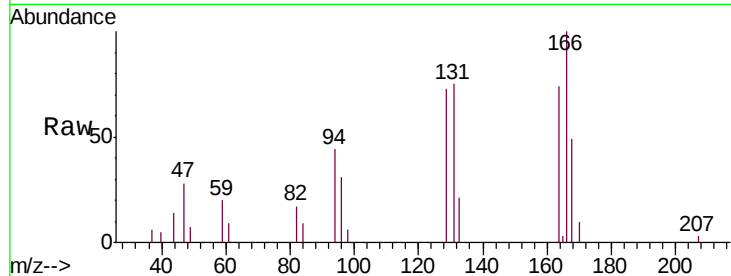
Ion Ratio Lower Upper

164 100

129 98.5 68.5 127.1

131 100.9 67.3 124.9

166 135.2 93.1 172.9

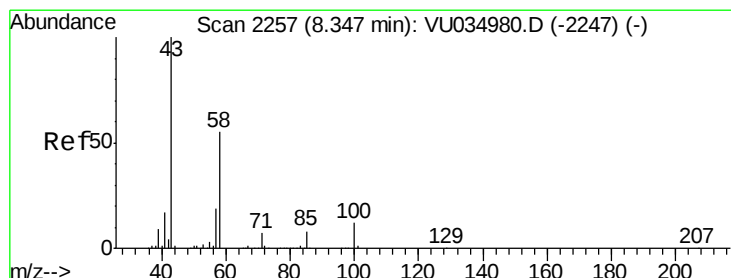
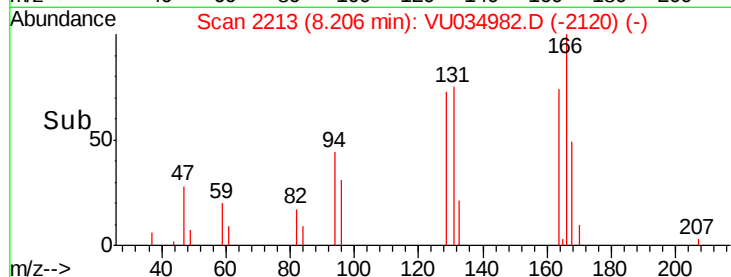
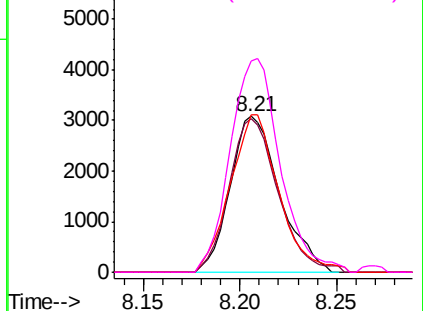


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.655 ug/L

RT: 8.30 min Scan# 2242

Delta R.T. -0.05 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Tgt Ion: 43 Resp: 10136

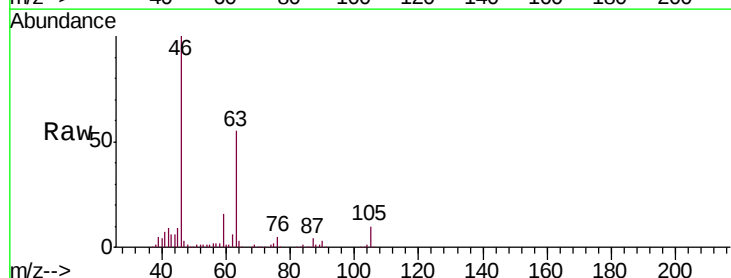
Ion Ratio Lower Upper

43 100

58 46.0 44.1 66.1

57 34.3 15.8 23.8#

100 0.7 9.4 14.2#

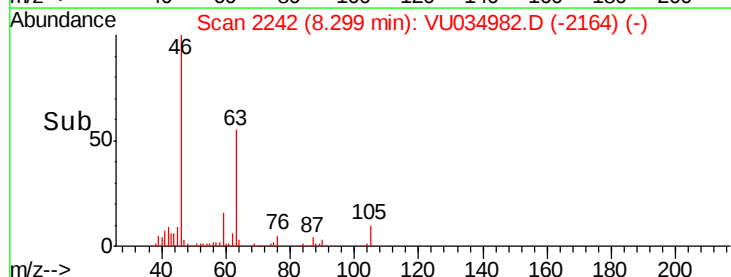
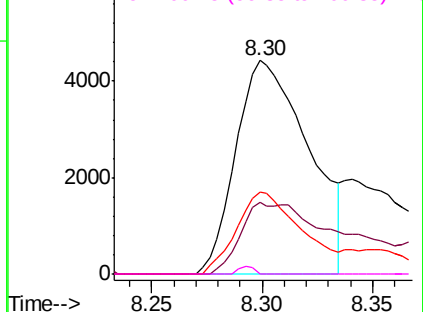


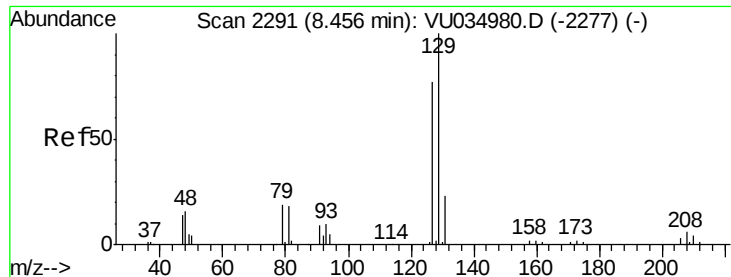
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.490 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034982.D

Acq: 08 Oct 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

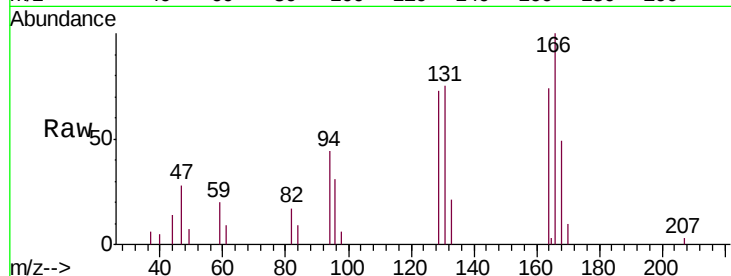
C0K00

Tgt Ion:129 Resp: 5336

Ion Ratio Lower Upper

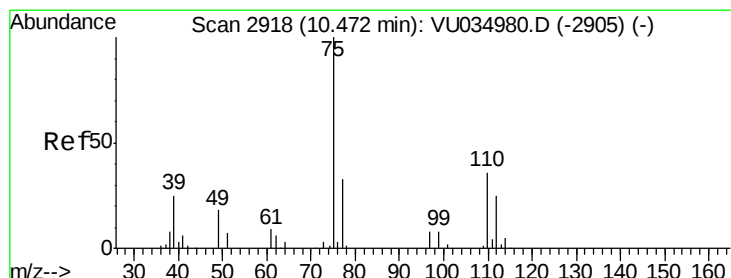
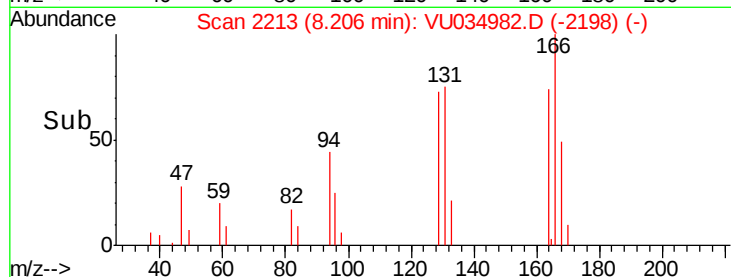
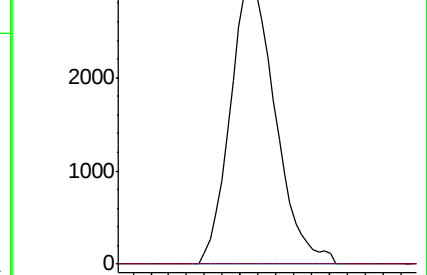
129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.917 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU034982.D

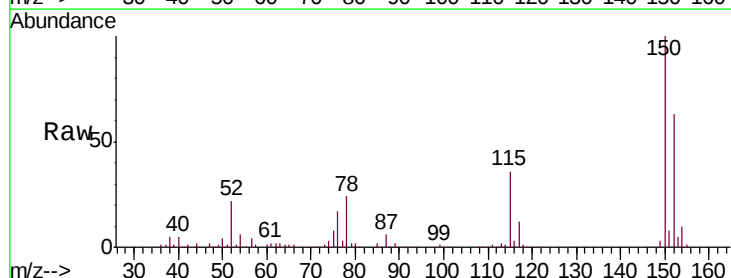
Acq: 08 Oct 2019 10:14

Tgt Ion: 75 Resp: 8419

Ion Ratio Lower Upper

75 100

77 40.9 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

