

Data File : VU032139.D
Acq On : 18 May 2019 07:55
Operator : JC/SP
Sample : K2860-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W41

Quant Time: May 20 05:00:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 20 04:57:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	358844	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	362665	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	140331	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106184	3.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.20%
7) Chloroethane-d5	1.68	69	96165	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.27	63	152903	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.20	46	235703	39.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.44%
24) Chloroform-d	4.64	84	219523	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	109773	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
32) Benzene-d6	5.33	84	435527	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
36) 1,2-Dichloropropane-d6	6.32	67	125933	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.80%
41) Toluene-d8	7.56	98	361173	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
43) trans-1,3-Dichloropropene-	7.85	79	39474	3.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.80%
46) 2-Hexanone-d5	8.31	63	205045	39.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111135	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	138856	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.27	96	2747	0.191	ug/L #	1
13) Acetone	2.34	43	53975	27.705	ug/L	99
15) Methyl Acetate	2.34	43	47459	8.496	ug/L #	42
18) trans-1,2-Dichloroethene	2.97	96	9096	0.590	ug/L	90
21) 2-Butanone	4.31	43	4034	1.443	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	45353	2.989	ug/L	86
34) Trichloroethene	6.18	95	337672	22.354	ug/L	93
35) Methylcyclohexane	6.33	83	30178	1.387	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	13052	0.959	ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	1474	0.101	ug/L	95
47) Tetrachloroethene	8.22	164	98021	8.681	ug/L	96
48) 2-Hexanone	8.37	43	8750	1.787	ug/L #	37
49) Dibromochloromethane	8.22	129	91286	7.875	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	15231	1.761	ug/L #	87

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

Data File : VU032139.D

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Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 43      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
F9W41

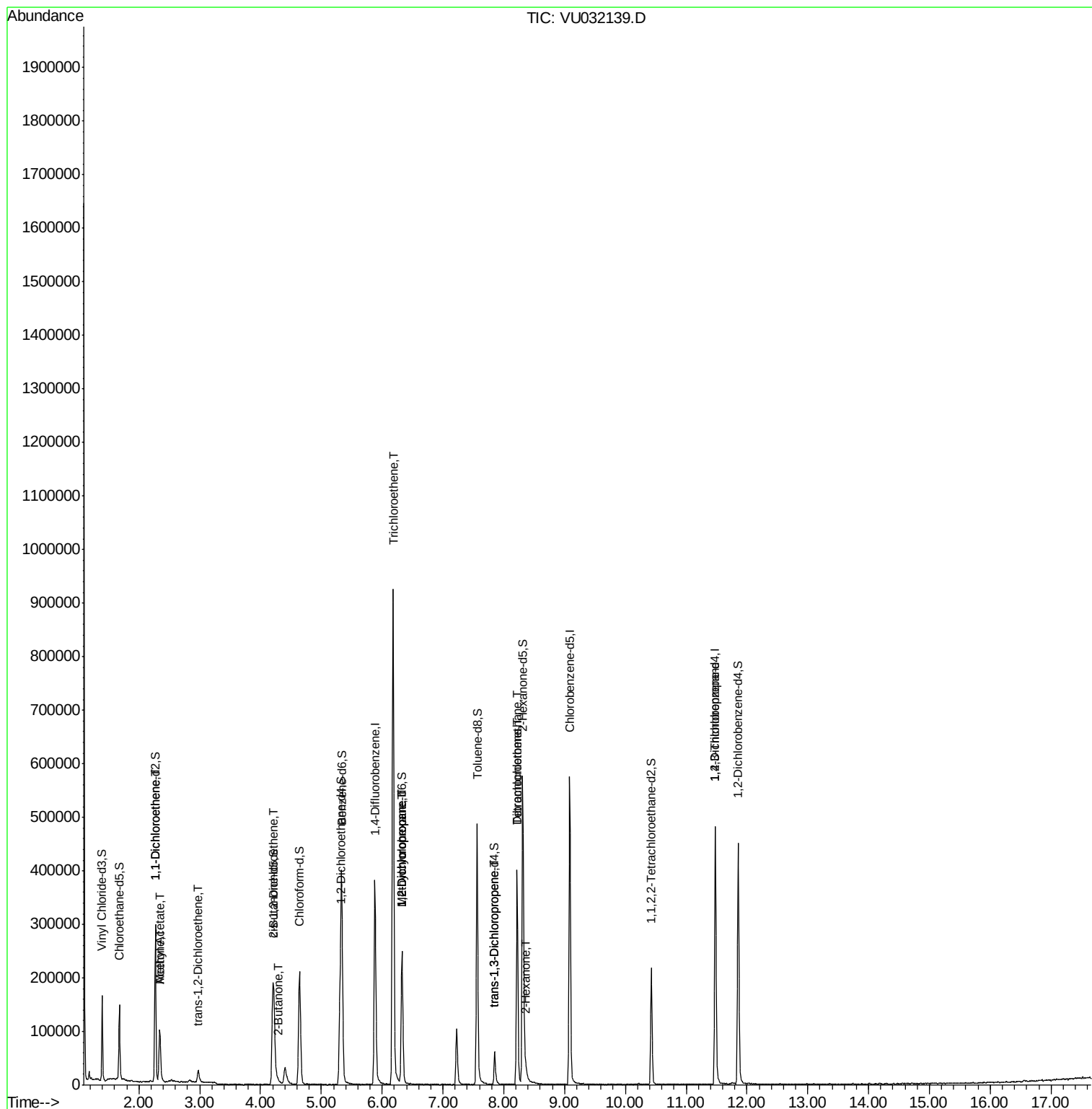
Quant Time: May 20 05:00:35 2019

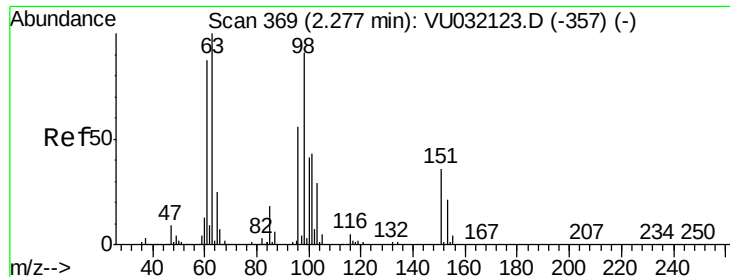
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR051619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon May 20 04:57:10 2019

Response via : Initial Calibration

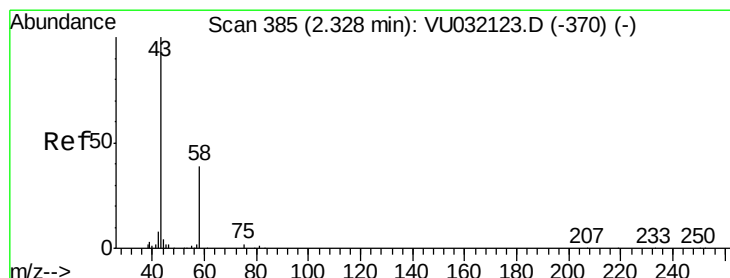
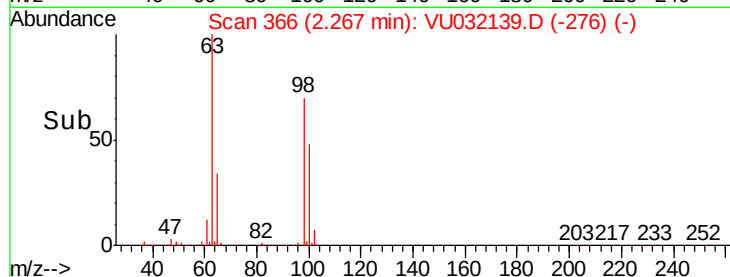
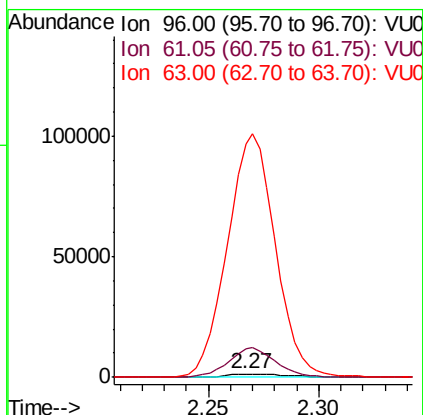
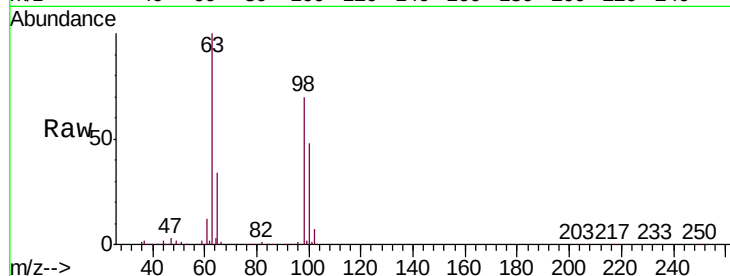




#12
 1,1-Dichloroethene
 Concen: 0.191 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU032139.D
 Acq: 18 May 2019 07:55

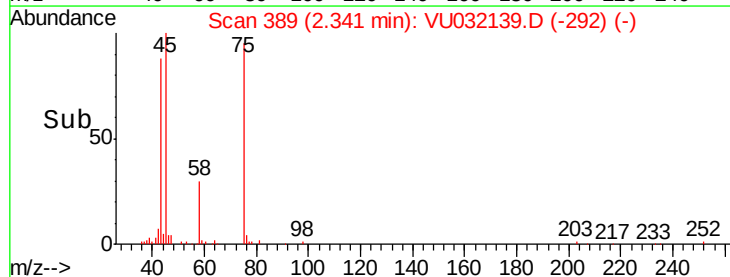
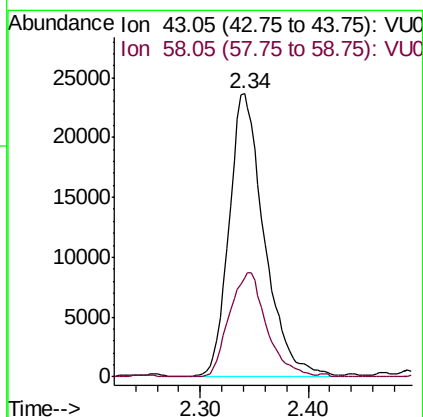
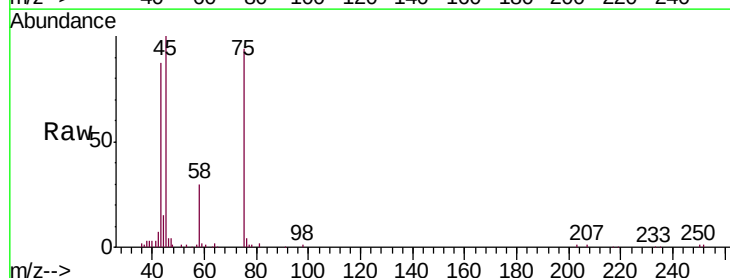
Instrument :
 MSVOA_U
 ClientSampleId :
 F9W41

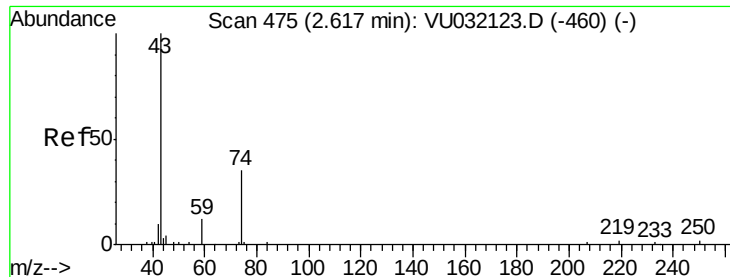
Tgt Ion: 96 Resp: 2747
 Ion Ratio Lower Upper
 96 100
 61 837.2 111.7 207.5#
 63 6829.9 152.2 282.6#



#13
 Acetone
 Concen: 27.705 ug/L
 RT: 2.34 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VU032139.D
 Acq: 18 May 2019 07:55

Tgt Ion: 43 Resp: 53975
 Ion Ratio Lower Upper
 43 100
 58 38.7 0.0 78.8

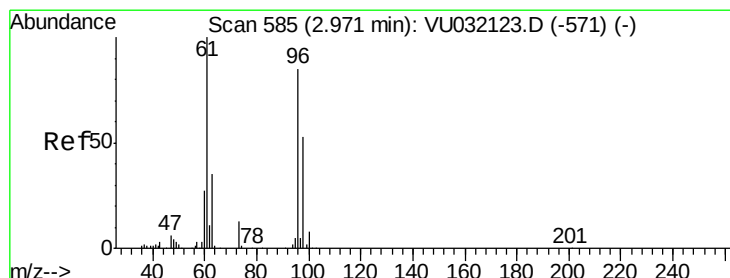
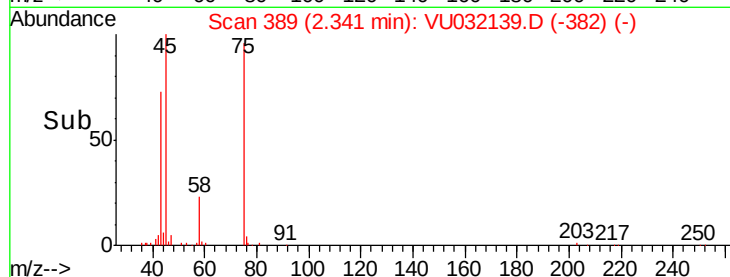
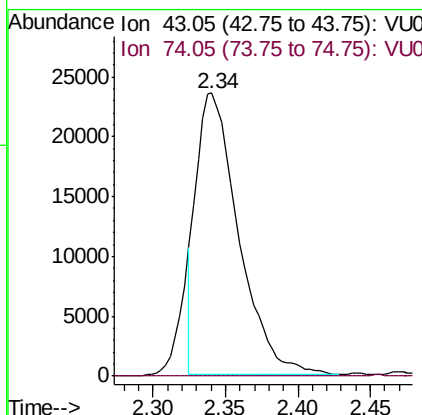
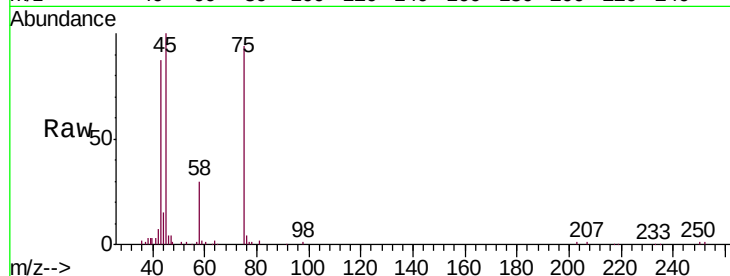




#15
Methyl Acetate
Concen: 8.496 ug/L
RT: 2.34 min Scan# 389
Delta R.T. -0.28 min
Lab File: VU032139.D
Acq: 18 May 2019 07:55

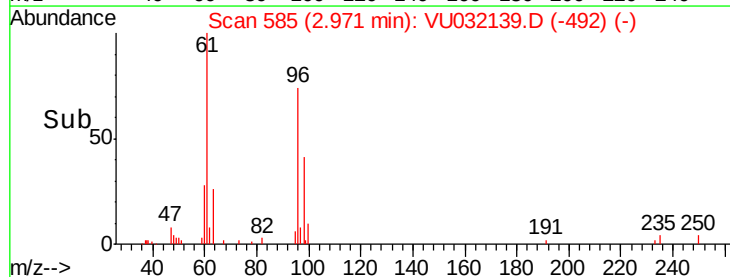
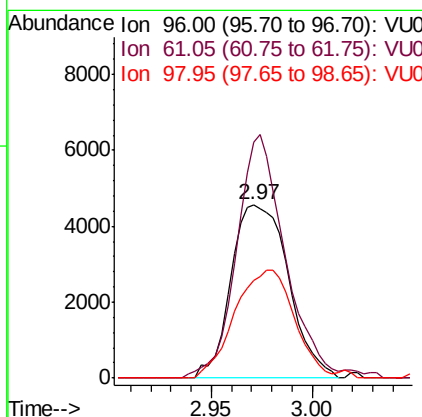
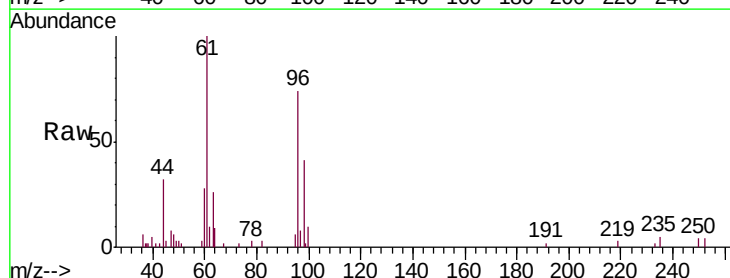
Instrument :
MSVOA_U
ClientSampled :
F9W41

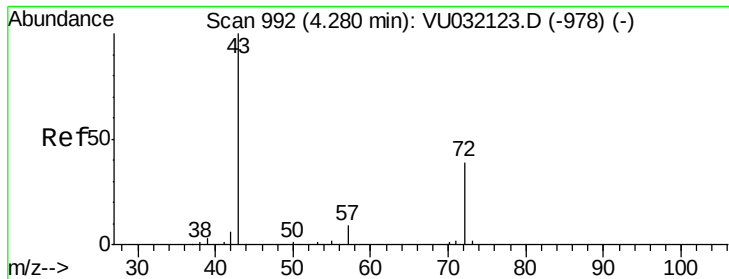
Tgt Ion: 43 Resp: 47459
Ion Ratio Lower Upper
43 100
74 0.1 26.4 39.6#



#18
trans-1,2-Dichloroethene
Concen: 0.590 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032139.D
Acq: 18 May 2019 07:55

Tgt Ion: 96 Resp: 9096
Ion Ratio Lower Upper
96 100
61 136.0 86.5 160.7
98 56.1 43.5 80.9





#21

2-Butanone

Concen: 1.443 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.03 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Instrument :

MSVOA_U

ClientSampled :

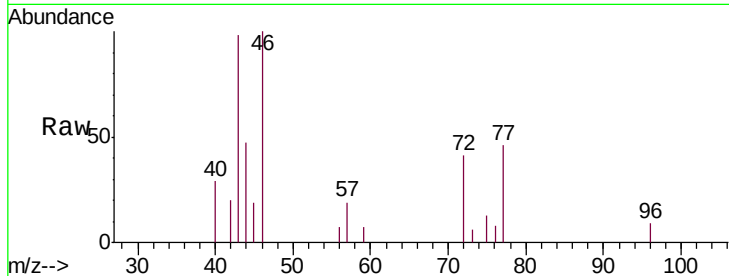
F9W41

Tgt Ion: 43 Resp: 4034

Ion Ratio Lower Upper

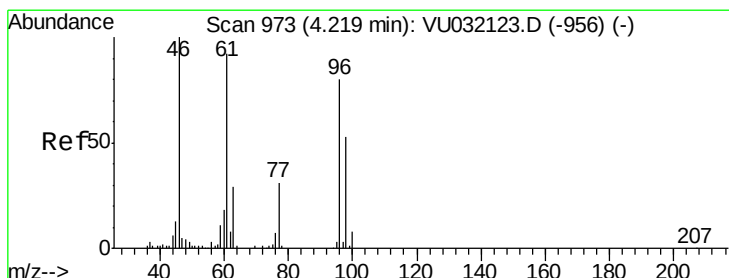
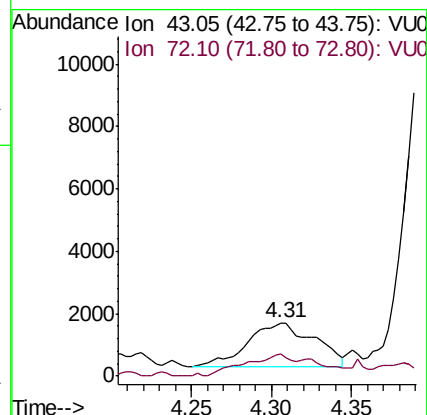
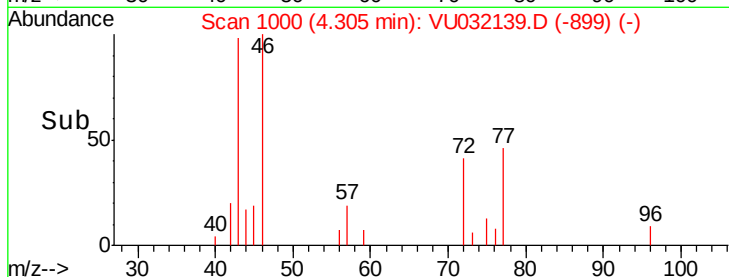
43 100

72 35.3 16.8 50.3



Abundance Ion 43.05 (42.75 to 43.75): VU032139.D (-899) (-)

Ion 72.10 (71.80 to 72.80): VU032139.D (-899) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.989 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

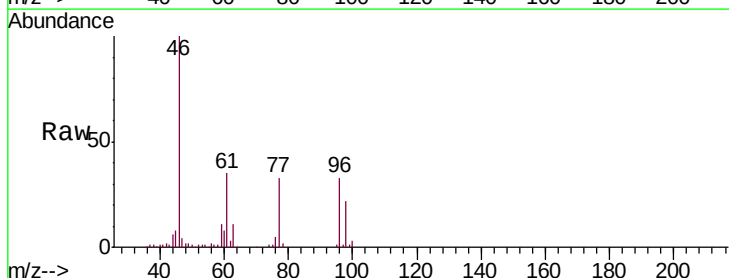
Tgt Ion: 96 Resp: 45353

Ion Ratio Lower Upper

96 100

61 106.6 85.8 159.4

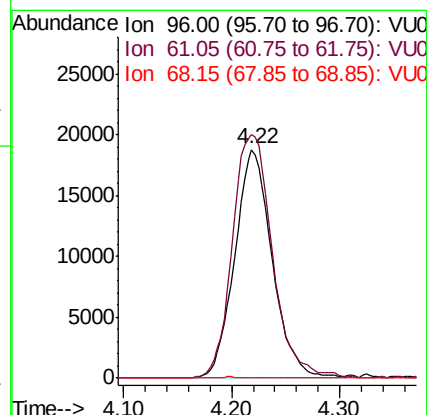
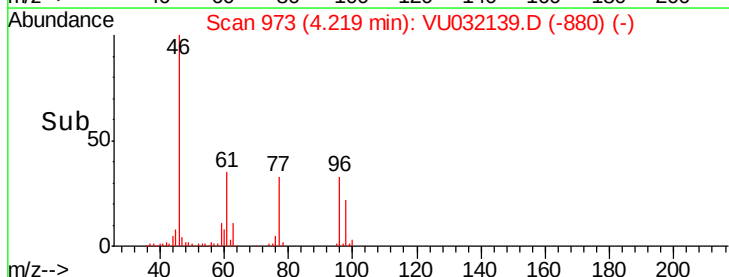
68 0.0 0.0 0.0

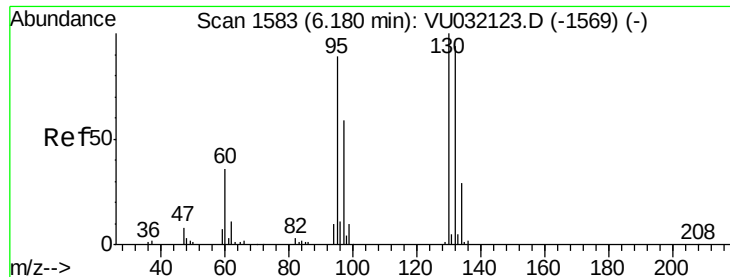


Abundance Ion 96.00 (95.70 to 96.70): VU032139.D (-880) (-)

Ion 61.05 (60.75 to 61.75): VU032139.D (-880) (-)

Ion 68.15 (67.85 to 68.85): VU032139.D (-880) (-)





#34

Trichloroethene

Concen: 22.354 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Instrument :

MSVOA_U

ClientSampleId :

F9W41

Tgt Ion: 95 Resp: 337672

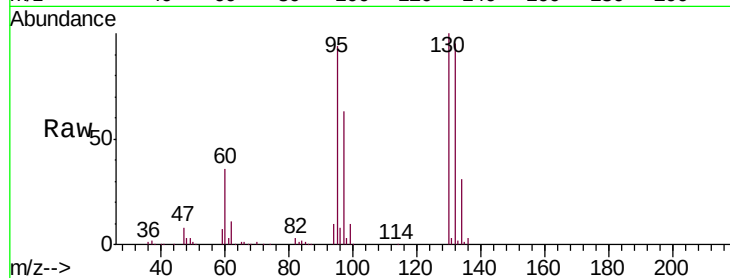
Ion Ratio Lower Upper

95 100

97 67.1 45.2 84.0

132 100.7 66.1 122.7

130 106.1 66.7 123.9

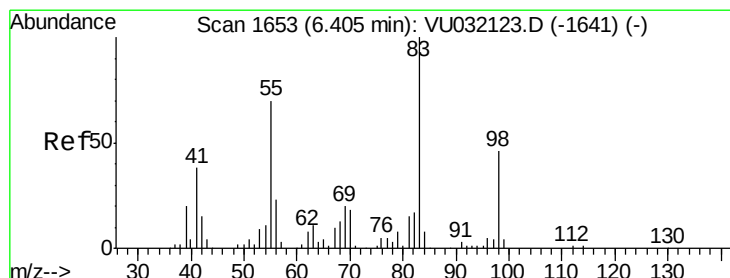
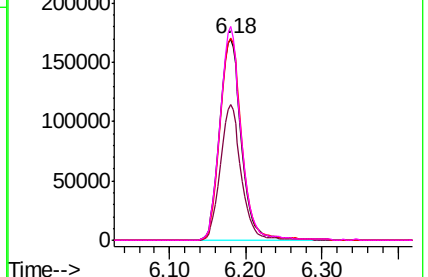
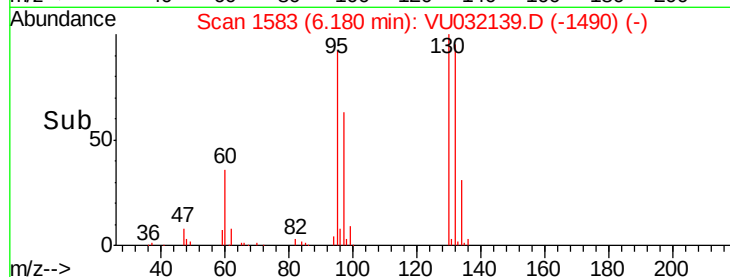


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 1.387 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

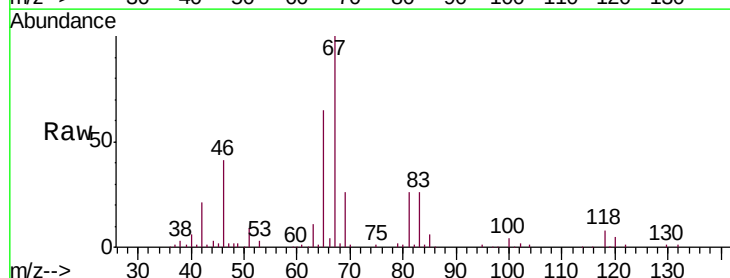
Tgt Ion: 83 Resp: 30178

Ion Ratio Lower Upper

83 100

55 0.0 59.7 89.5#

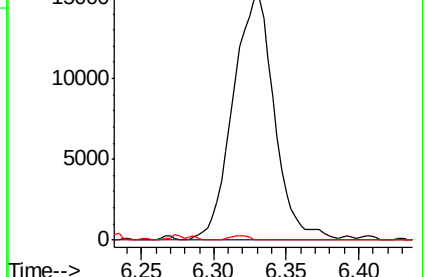
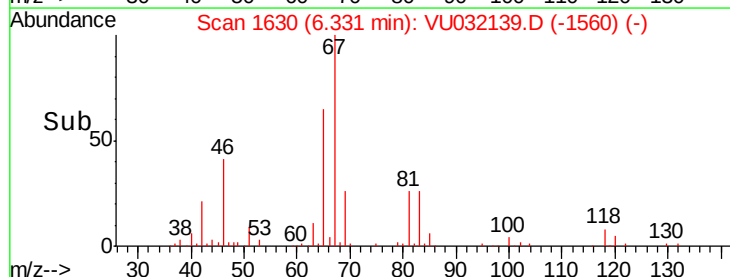
98 0.0 36.8 55.2#

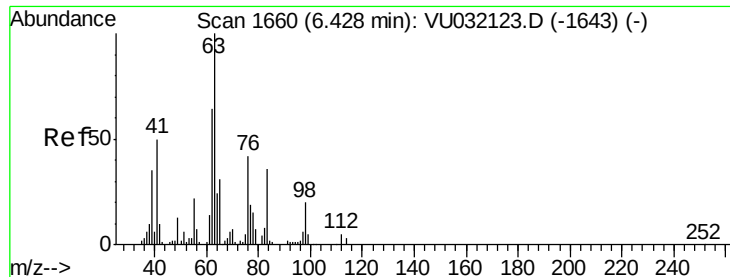


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.959 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Instrument :

MSVOA_U

ClientSampleId :

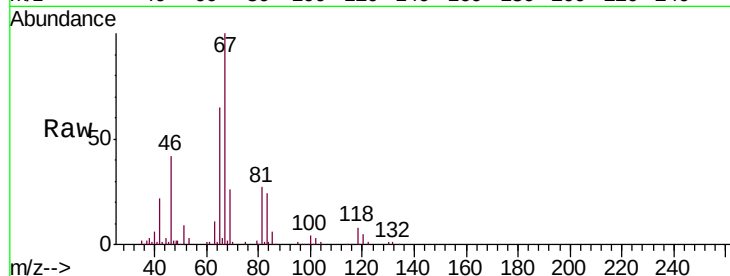
F9W41

Tgt Ion: 63 Resp: 13052

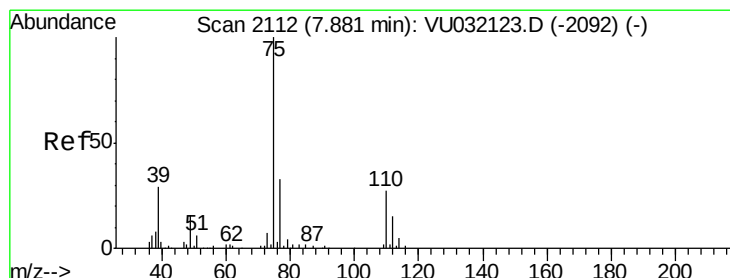
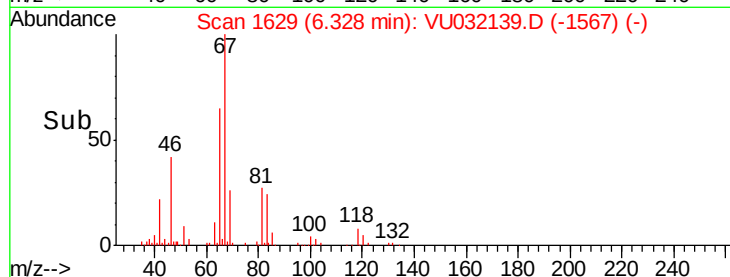
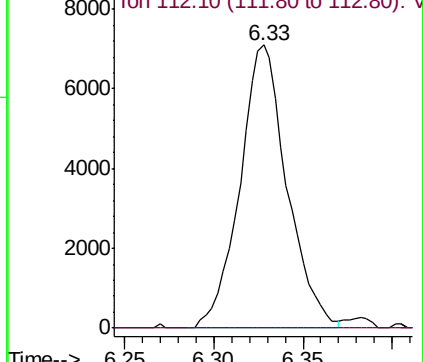
Ion Ratio Lower Upper

63 100

112 0.3 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU032123.D (-1643) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032139.D

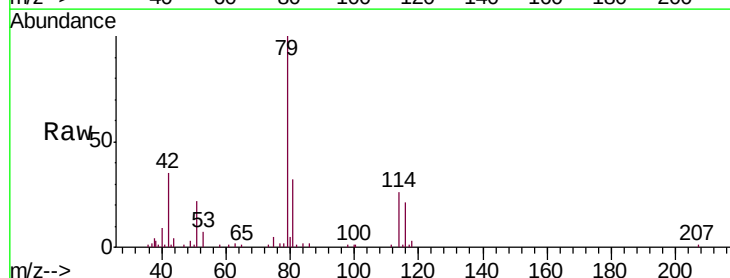
Acq: 18 May 2019 07:55

Tgt Ion: 75 Resp: 1474

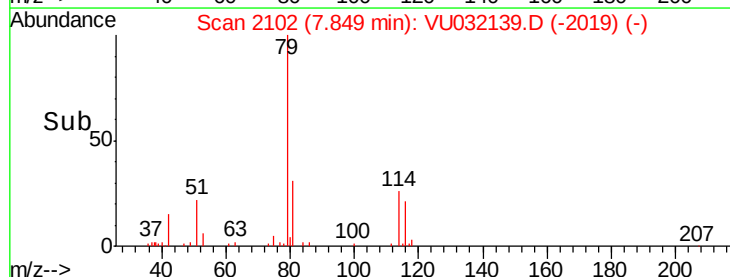
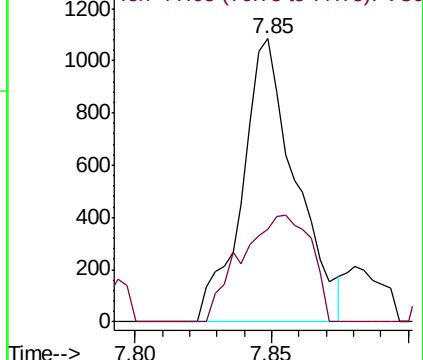
Ion Ratio Lower Upper

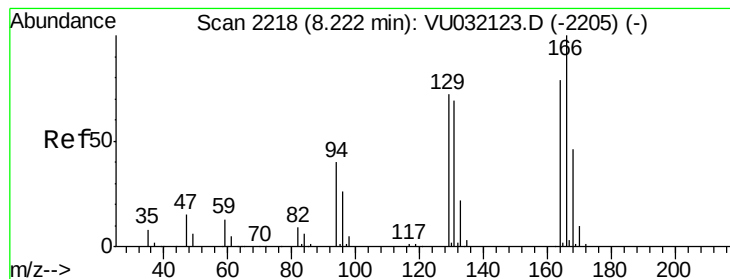
75 100

77 32.7 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032123.D (-2092) (-)





#47

Tetrachloroethene

Concen: 8.681 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Instrument :

MSVOA_U

ClientSampleId :

F9W41

Tgt Ion:164 Resp: 98021

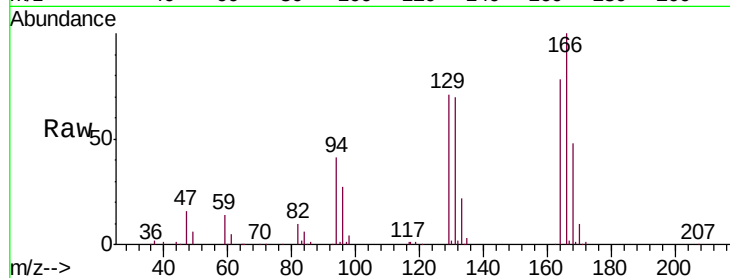
Ion Ratio Lower Upper

164 100

129 91.6 70.3 130.5

131 90.2 64.5 119.9

166 128.4 92.3 171.5



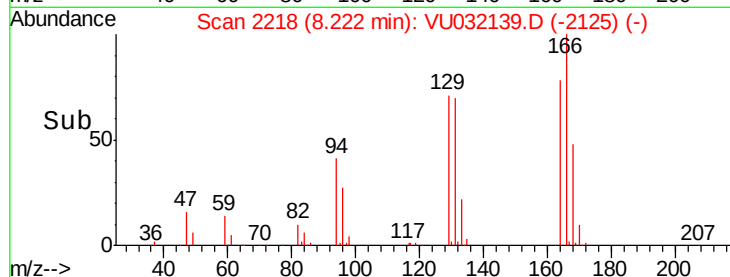
Abundance Ion 163.90 (163.60 to 164.60): V

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

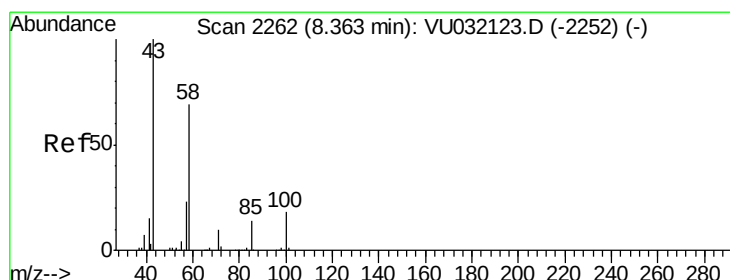
Time-->



Abundance

8.22

Time-->



#48

2-Hexanone

Concen: 1.787 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Tgt Ion: 43 Resp: 8750

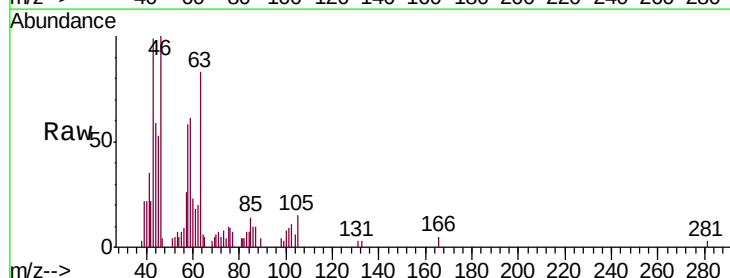
Ion Ratio Lower Upper

43 100

58 0.0 51.6 77.4#

57 5.3 18.4 27.6#

100 6.5 12.2 18.4#



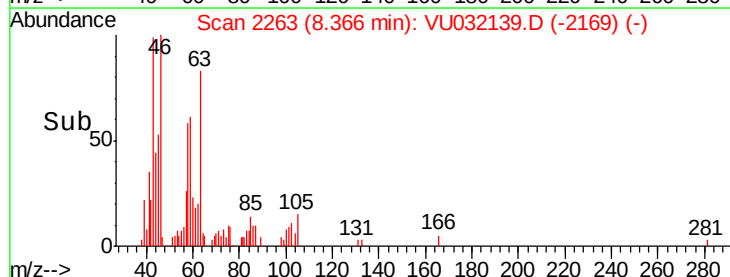
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

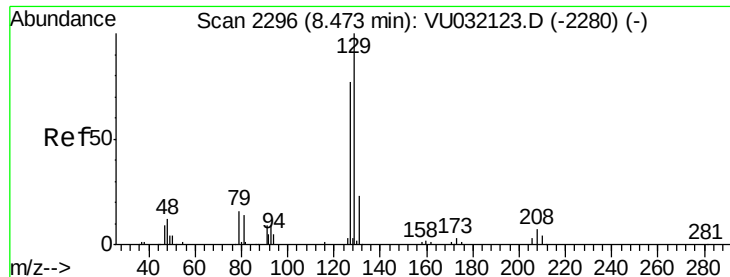
Time-->



Abundance

8.37

Time-->



#49

Dibromochloromethane

Concen: 7.875 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032139.D

Acq: 18 May 2019 07:55

Instrument :

MSVOA_U

ClientSampleId :

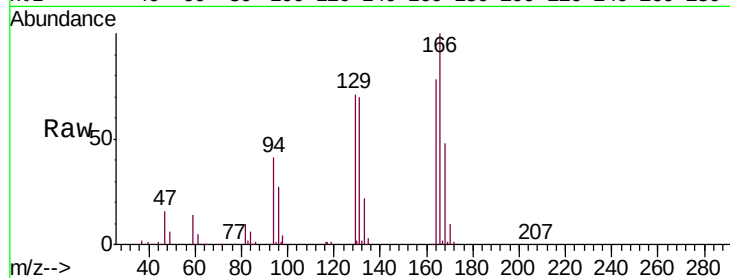
F9W41

Tgt Ion:129 Resp: 91286

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

60000

50000

40000

30000

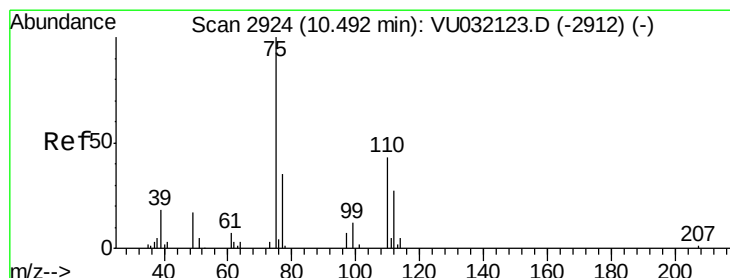
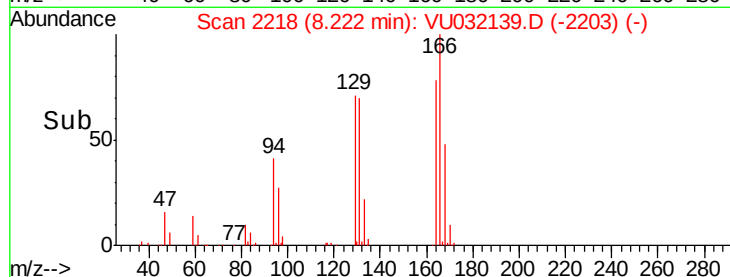
20000

10000

0

Time-->

8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.761 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032139.D

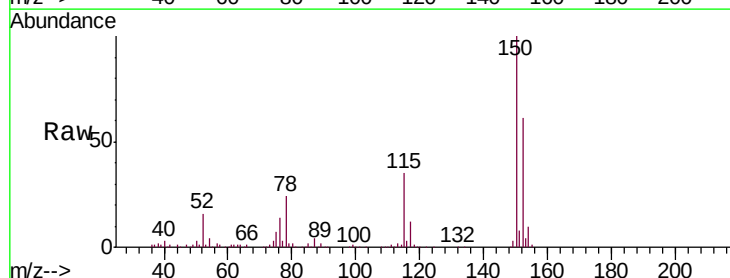
Acq: 18 May 2019 07:55

Tgt Ion: 75 Resp: 15231

Ion Ratio Lower Upper

75 100

77 40.2 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

8000

6000

4000

2000

0

Time-->

11.45 11.50 11.55

