

Data File : VU032684.D
Acq On : 13 Jun 2019 11:18
Operator : JC/SP
Sample : K3286-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JP8

Quant Time: Jun 14 01:29:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:25:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	174195	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	168446	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81719	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42800	37.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.74%
7) Chloroethane-d5	1.68	69	38185	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.08%
11) 1,1-Dichloroethene-d2	2.27	63	66677	30.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.26%
21) 2-Butanone-d5	4.17	46	102269	108.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.13%
24) Chloroform-d	4.64	84	96450	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.30	65	65979	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.33	84	185298	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.74%
36) 1,2-Dichloropropane-d6	6.32	67	63431	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.52%
41) Toluene-d8	7.56	98	170532	41.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.26%
43) trans-1,3-Dichloropropene-	7.85	79	27948	42.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.18%
47) 2-Hexanone-d5	8.31	63	74985	112.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99000	49.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	72455	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

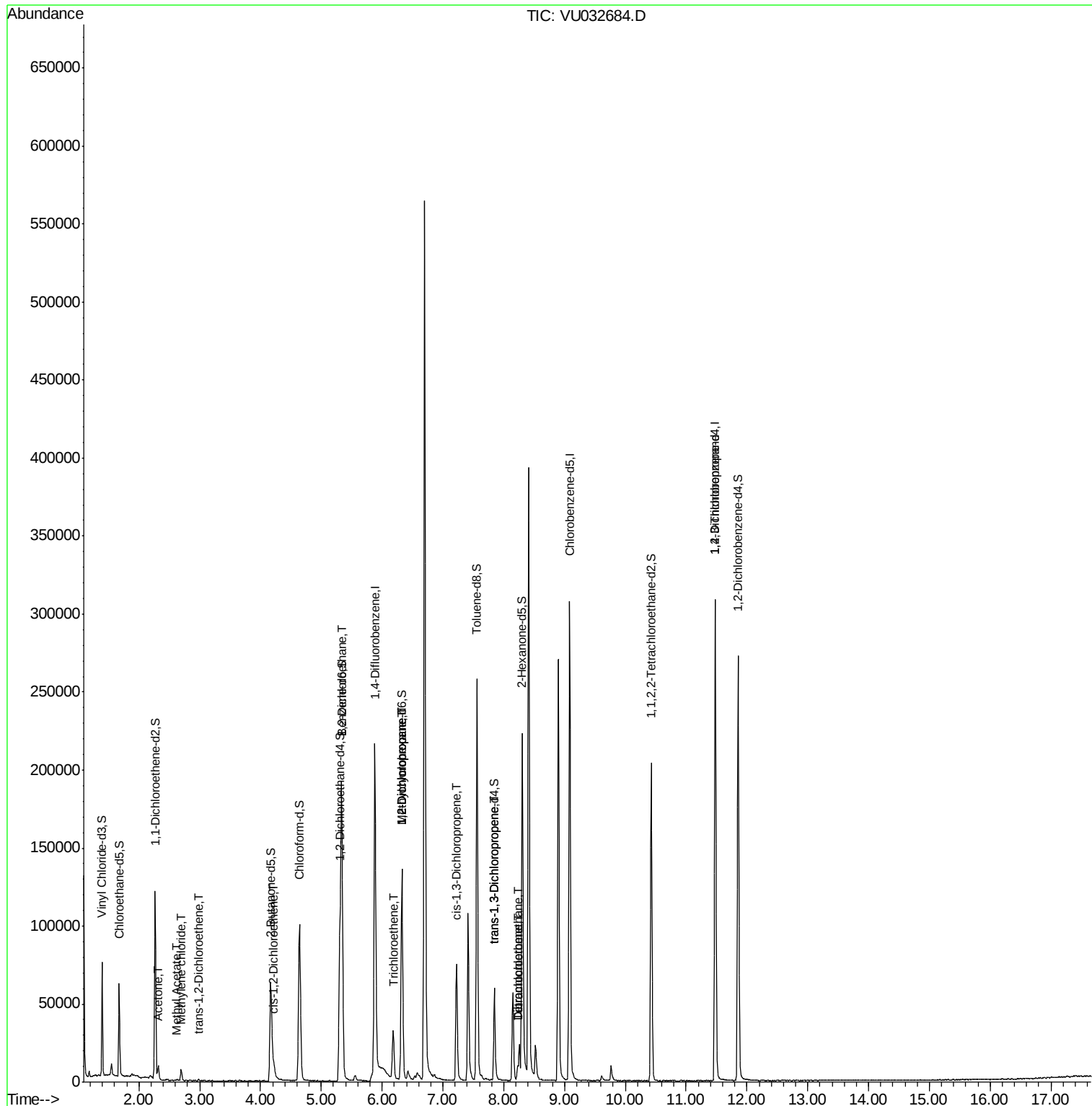
						Qvalue
13) Acetone	2.32	43	9676	9.915	ug/L	93
15) Methyl Acetate	2.62	43	1255	0.901	ug/L #	60
16) Methylene chloride	2.69	84	3417	2.897	ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	440	0.393	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	2804	2.212	ug/L	96
27) 1,2-Dichloroethane	5.33	62	1061	0.637	ug/L #	75
34) Trichloroethene	6.18	95	10417	8.090	ug/L	96
35) Methylcyclohexane	6.32	83	14193	6.809	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	7237	5.768	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1142	0.577	ug/L #	55
44) trans-1,3-Dichloropropene	7.85	75	1361	0.775	ug/L	94
46) Tetrachloroethene	8.23	164	827	0.778	ug/L	93
49) Dibromochloromethane	8.22	129	742	0.538	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9899	6.069	ug/L #	88

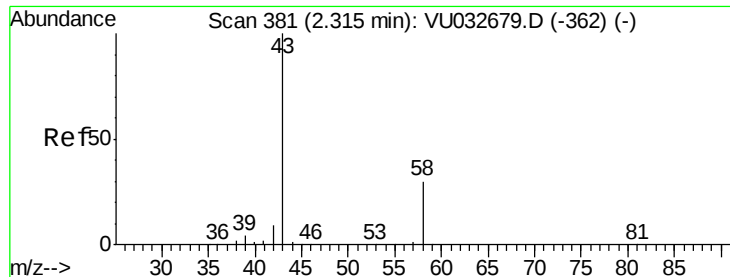
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.915 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

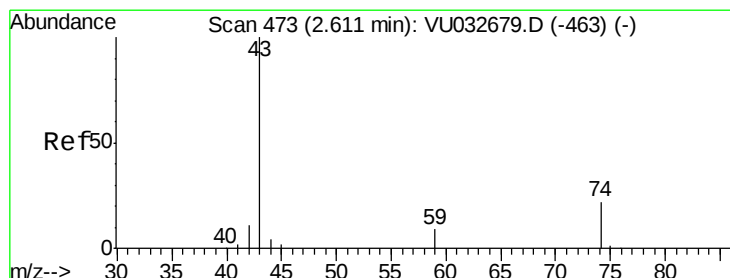
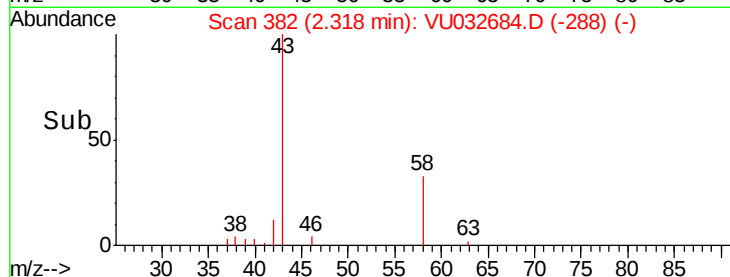
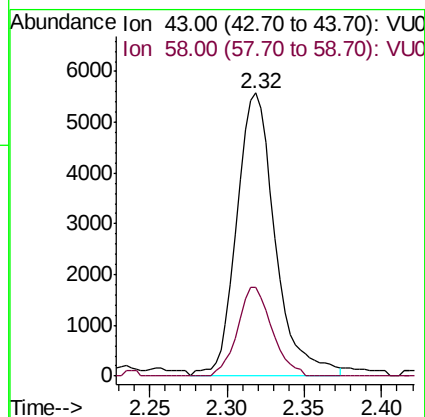
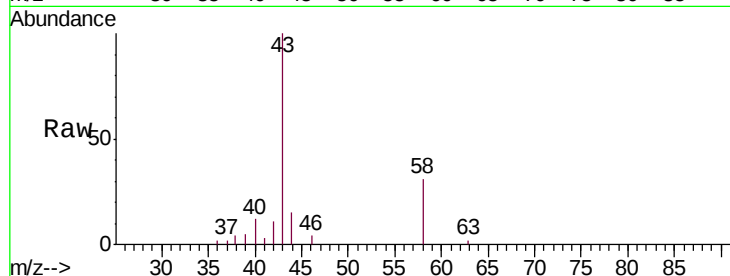
C0JP8

Tgt Ion: 43 Resp: 9676

Ion Ratio Lower Upper

43 100

58 27.8 0.0 64.0



#15

Methyl Acetate

Concen: 0.901 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032684.D

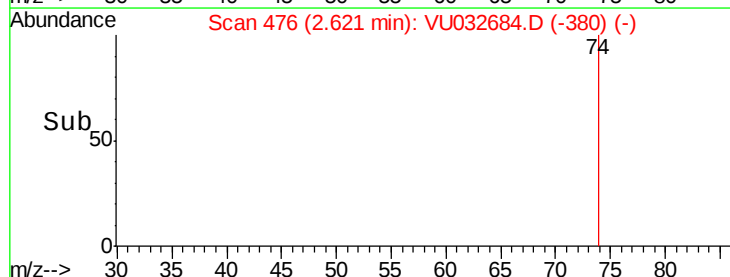
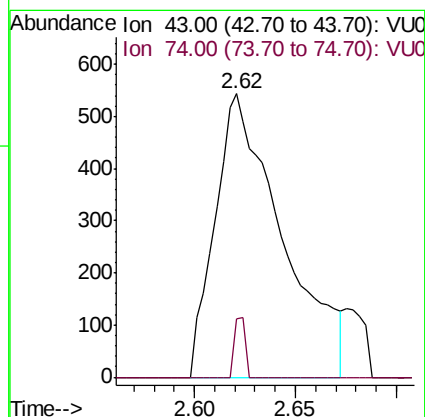
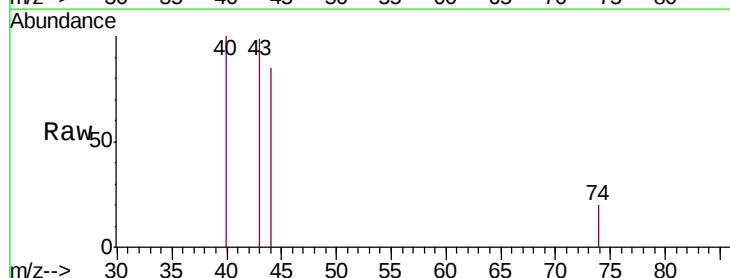
Acq: 13 Jun 2019 11:18

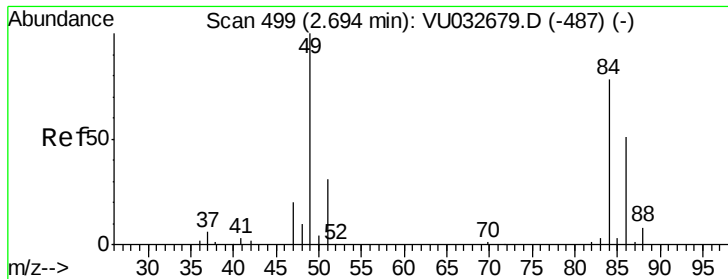
Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

74 3.5 18.0 27.0#

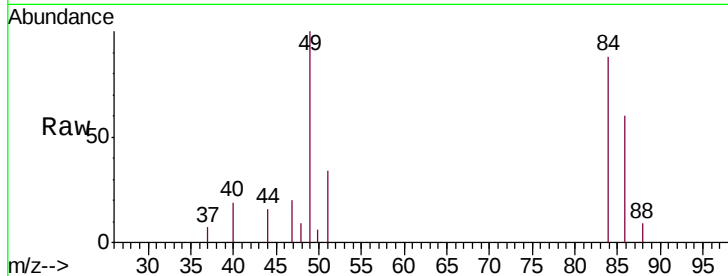




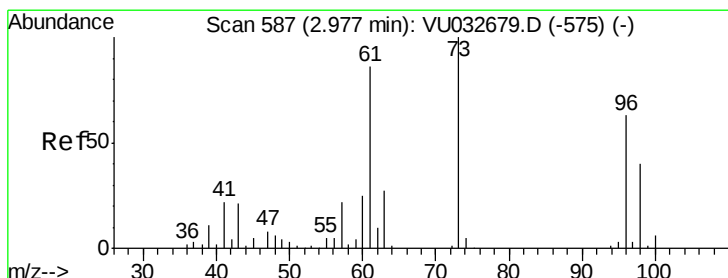
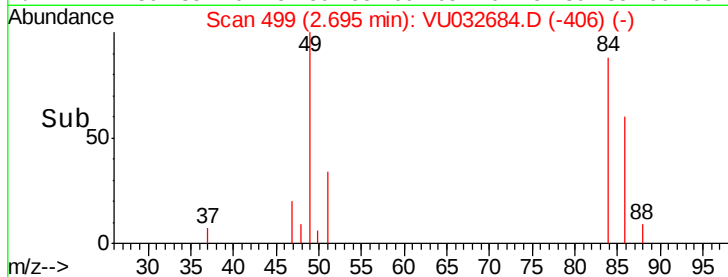
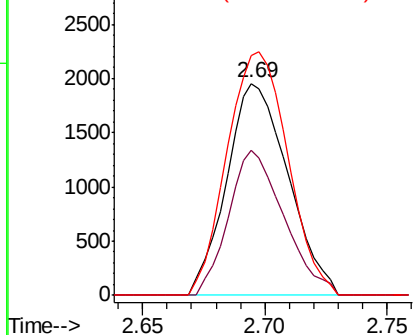
#16
Methylene chloride
Concen: 2.897 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032684.D
Acq: 13 Jun 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
C0JP8

Tgt Ion: 84 Resp: 3417
Ion Ratio Lower Upper
84 100
86 68.3 44.7 82.9
49 113.2 86.1 159.9

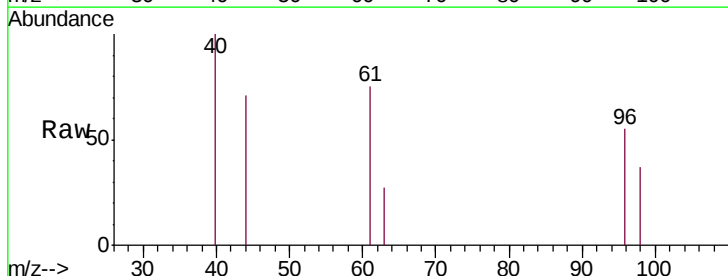


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

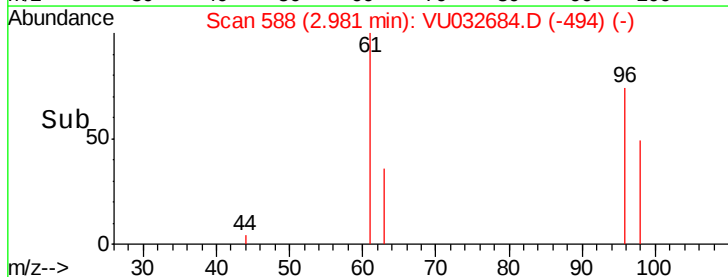
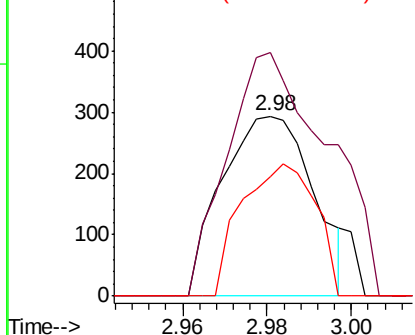


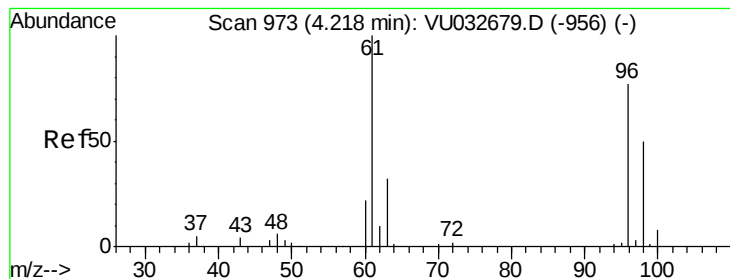
#17
trans-1,2-Dichloroethene
Concen: 0.393 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU032684.D
Acq: 13 Jun 2019 11:18

Tgt Ion: 96 Resp: 440
Ion Ratio Lower Upper
96 100
61 135.5 95.7 177.7
98 66.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



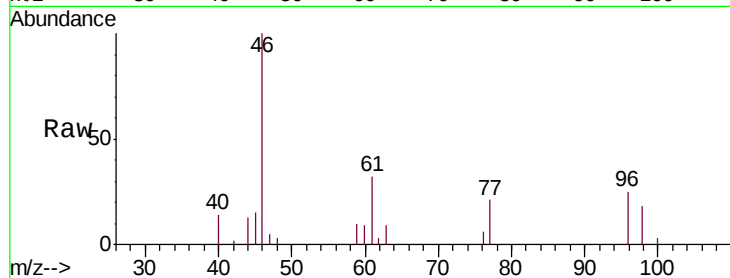


#20

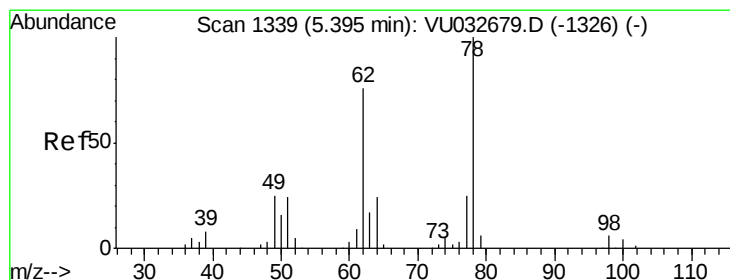
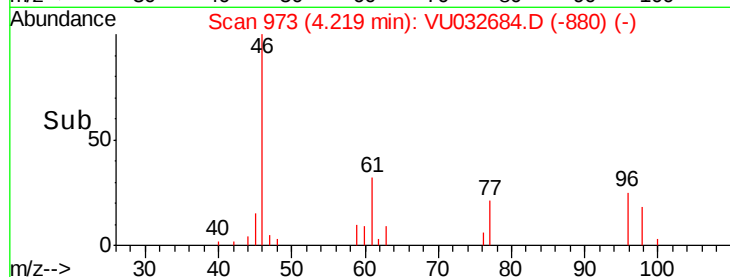
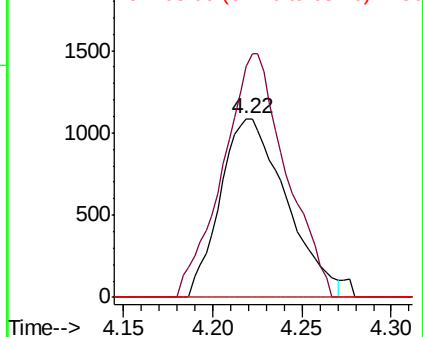
cis-1,2-Dichloroethene
Concen: 2.212 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032684.D
Acq: 13 Jun 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
C0JP8

Tgt Ion: 96 Resp: 2804
Ion Ratio Lower Upper
96 100
61 128.7 87.2 162.0
68 0.0 0.0 0.0



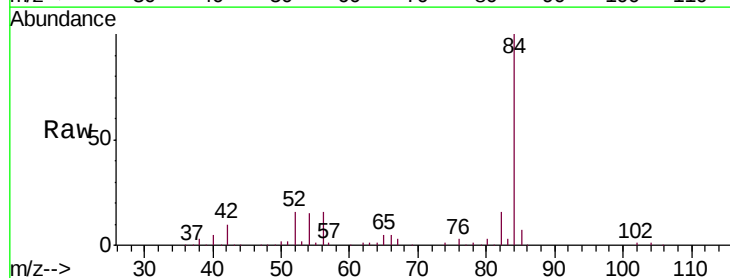
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



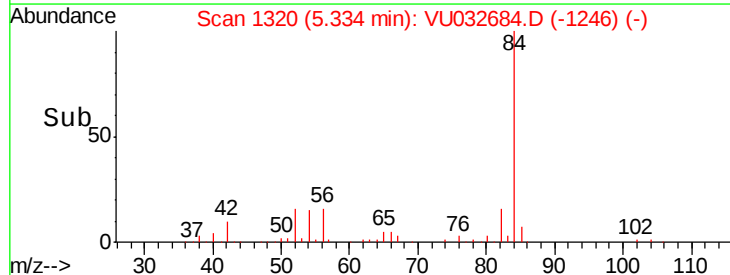
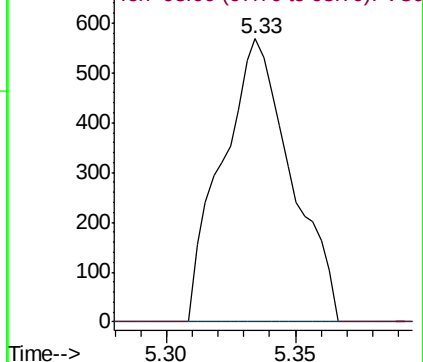
#27

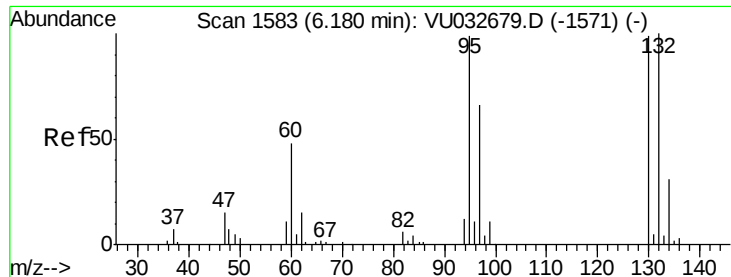
1,2-Dichloroethane
Concen: 0.637 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.06 min
Lab File: VU032684.D
Acq: 13 Jun 2019 11:18

Tgt Ion: 62 Resp: 1061
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 8.090 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

C0JP8

Tgt Ion: 95 Resp: 10417

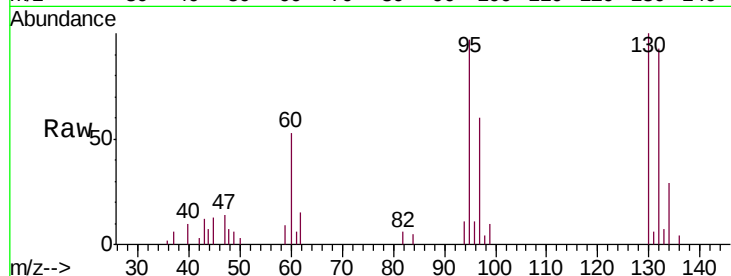
Ion Ratio Lower Upper

95 100

97 61.4 45.8 85.2

132 96.1 71.0 131.8

130 103.0 73.4 136.2



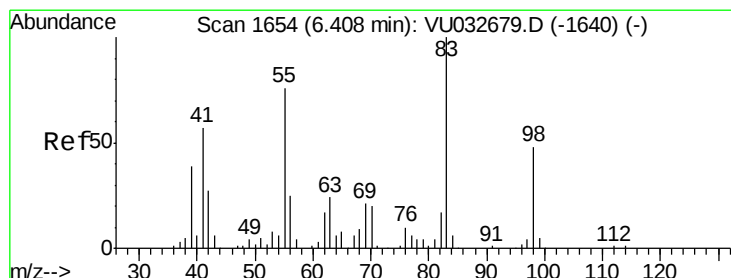
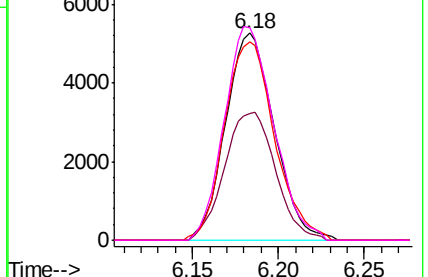
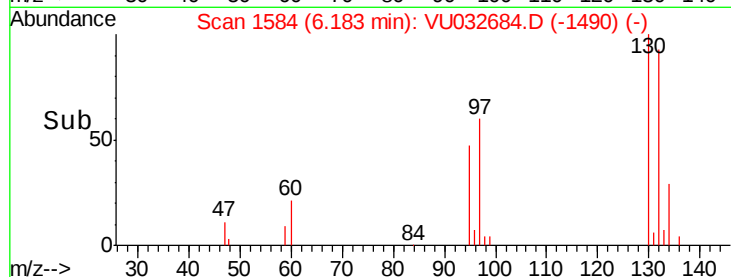
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#35

Methylcyclohexane

Concen: 6.809 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

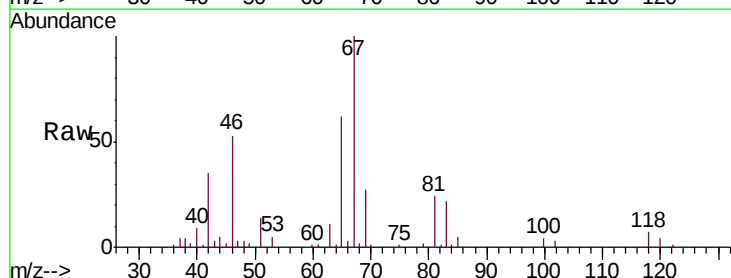
Tgt Ion: 83 Resp: 14193

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.4#

98 1.1 37.4 56.2#

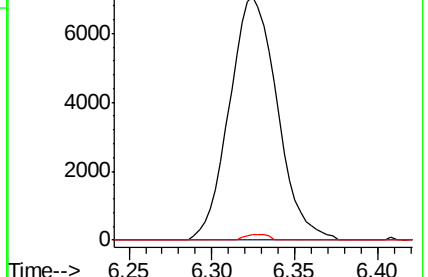
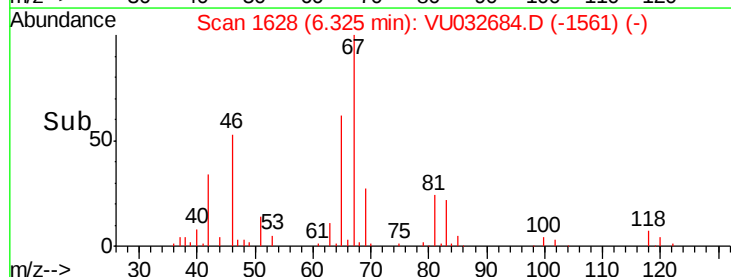


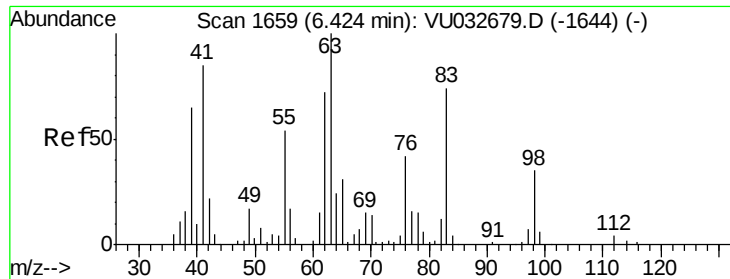
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Time-->





#37

1,2-Dichloropropane

Concen: 5.768 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

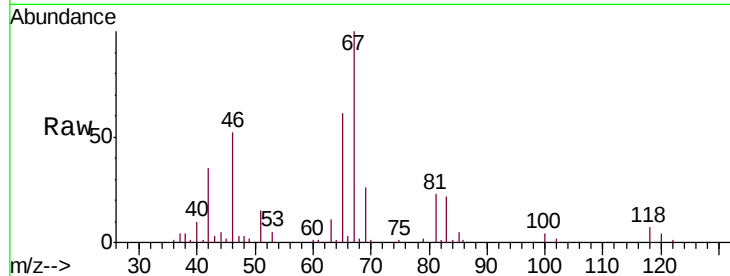
C0JP8

Tgt Ion: 63 Resp: 7237

Ion Ratio Lower Upper

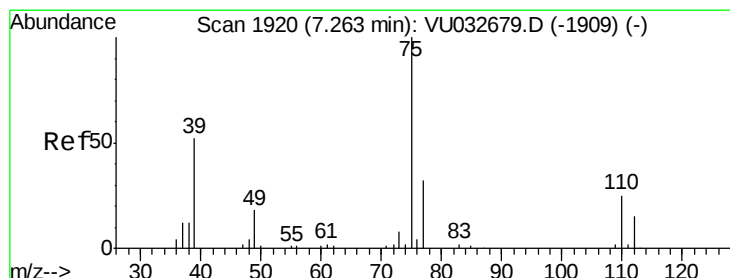
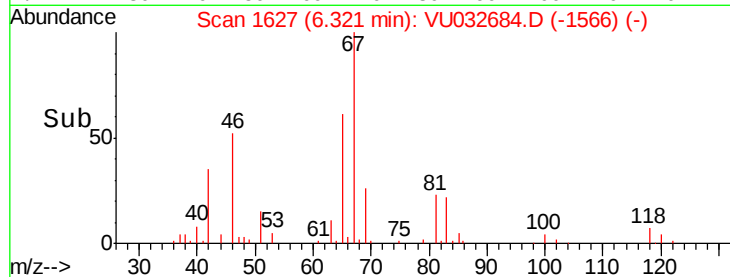
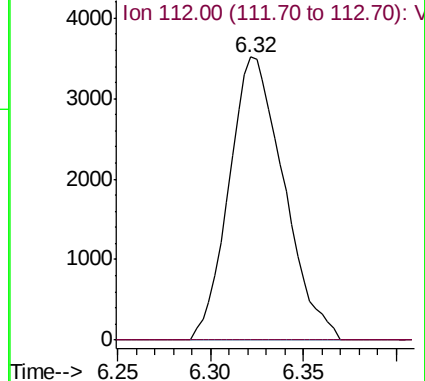
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032679.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU032679.D (-1644) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.577 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032684.D

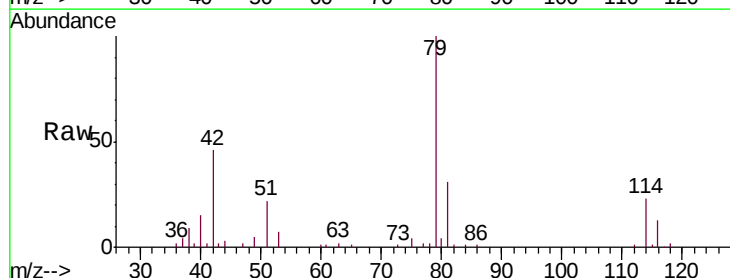
Acq: 13 Jun 2019 11:18

Tgt Ion: 75 Resp: 1142

Ion Ratio Lower Upper

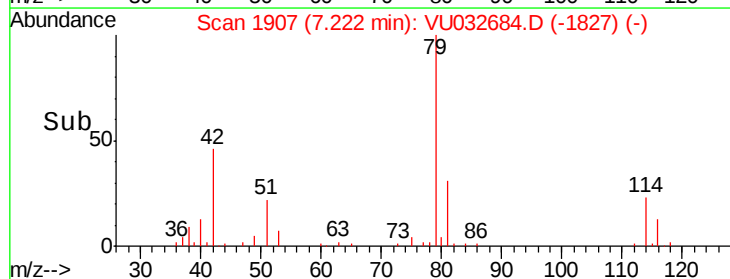
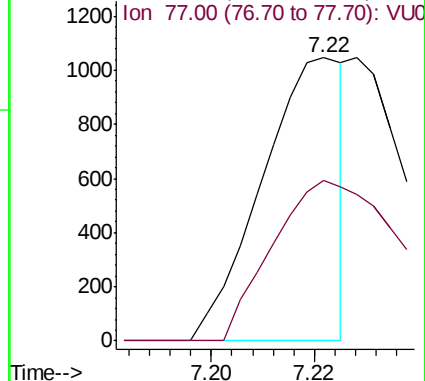
75 100

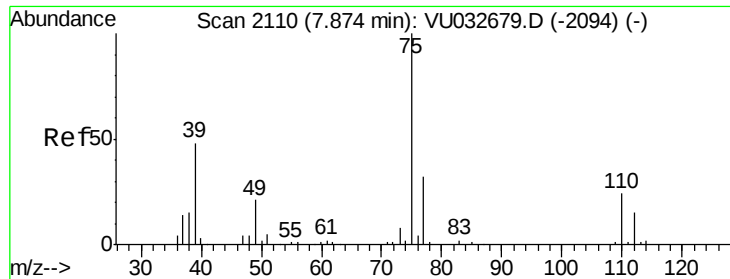
77 56.6 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-1909) (-)

Ion 77.00 (76.70 to 77.70): VU032679.D (-1909) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

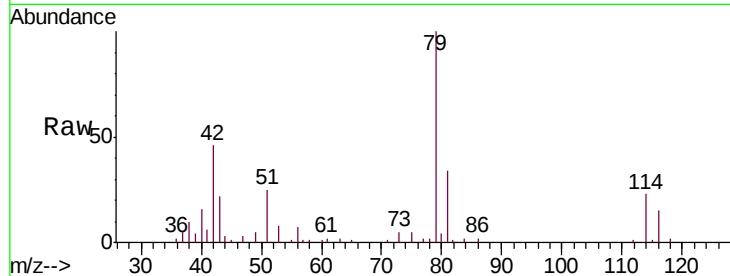
C0JP8

Tgt Ion: 75 Resp: 1361

Ion Ratio Lower Upper

75 100

77 34.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032679.D (-2094) (-)

7.85

800

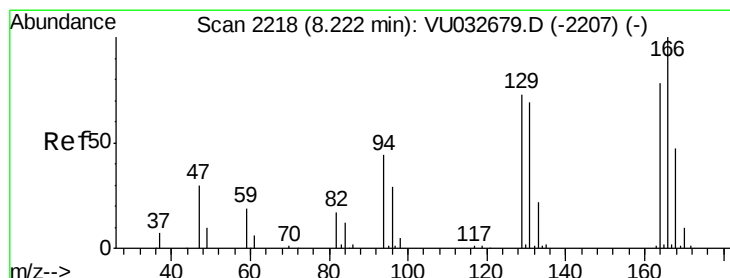
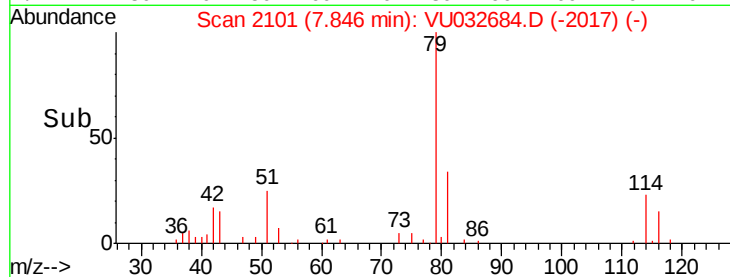
600

400

200

0

Time--> 7.80 7.85 7.90



#46

Tetrachloroethene

Concen: 0.778 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Tgt Ion: 164 Resp: 827

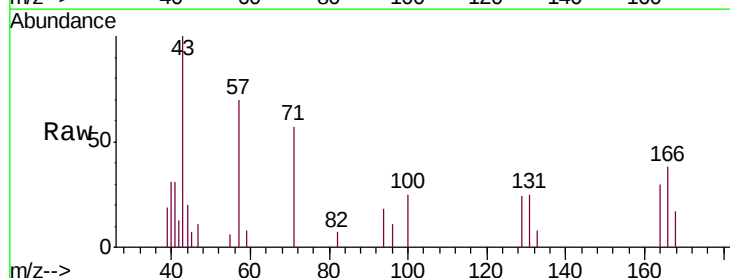
Ion Ratio Lower Upper

164 100

129 79.6 65.3 121.3

131 82.5 64.0 119.0

166 127.2 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU032679.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VU032679.D (-2207) (-)

Ion 131.00 (130.70 to 131.70): VU032679.D (-2207) (-)

Ion 166.00 (165.70 to 166.70): VU032679.D (-2207) (-)

1000

800

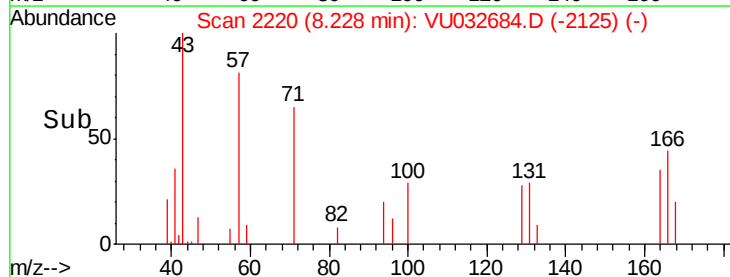
600

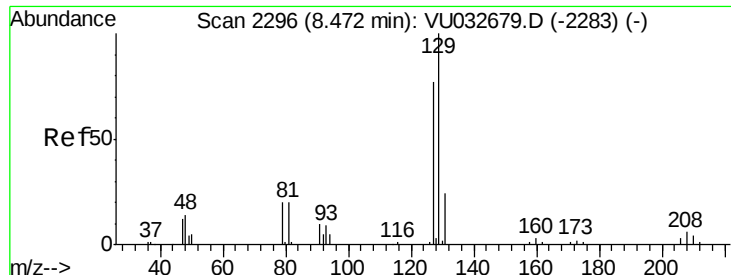
400

200

0

Time--> 8.18 8.20 8.22 8.24 8.26





#49

Dibromochloromethane

Concen: 0.538 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032684.D

Acq: 13 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

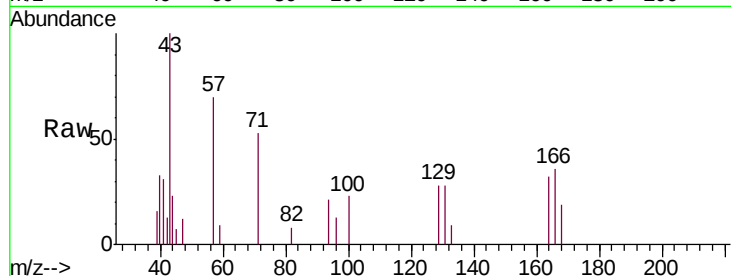
C0JP8

Tgt Ion:129 Resp: 742

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.22

400

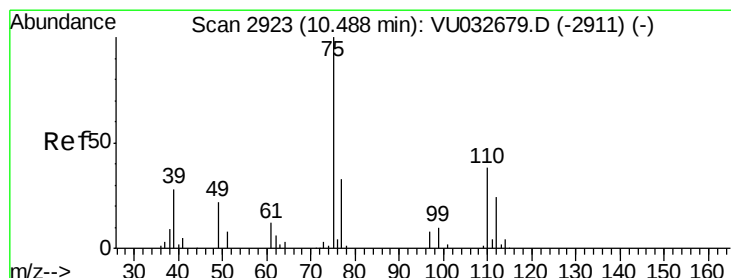
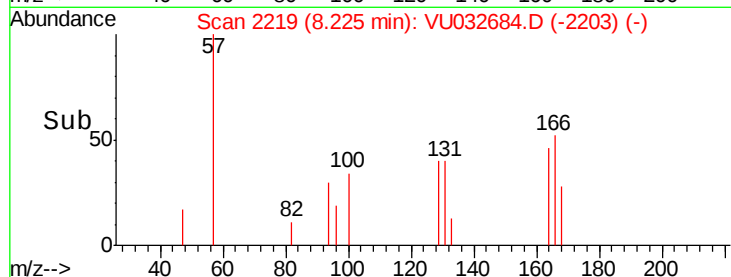
300

200

100

0

Time--> 8.18 8.20 8.22 8.24 8.26



#59

1,2,3-Trichloropropane

Concen: 6.069 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032684.D

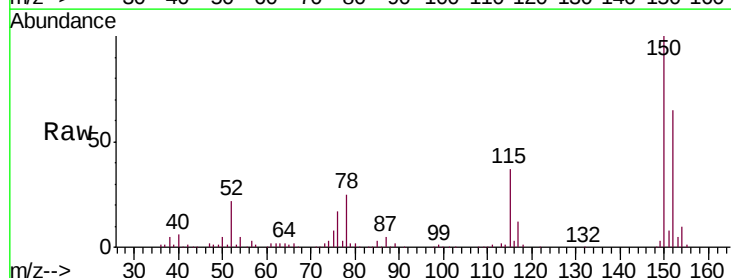
Acq: 13 Jun 2019 11:18

Tgt Ion: 75 Resp: 9899

Ion Ratio Lower Upper

75 100

77 38.6 25.6 38.4#



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

