

Data File : VU032689.D
Acq On : 13 Jun 2019 13:13
Operator : JC/SP
Sample : K3286-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JQ1

Quant Time: Jun 14 01:29:58 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	173262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	167974	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	80484	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41694	37.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.18%
7) Chloroethane-d5	1.68	69	37303	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.58%
11) 1,1-Dichloroethene-d2	2.27	63	66138	30.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.10%
21) 2-Butanone-d5	4.17	46	102774	109.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.25%
24) Chloroform-d	4.64	84	95428	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	5.30	65	65265	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.33	84	182920	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.90%
36) 1,2-Dichloropropane-d6	6.32	67	61719	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.28%
41) Toluene-d8	7.56	98	164450	39.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.54%#
43) trans-1,3-Dichloropropene-	7.85	79	27185	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.08%
47) 2-Hexanone-d5	8.31	63	72590	109.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	96313	48.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	71166	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

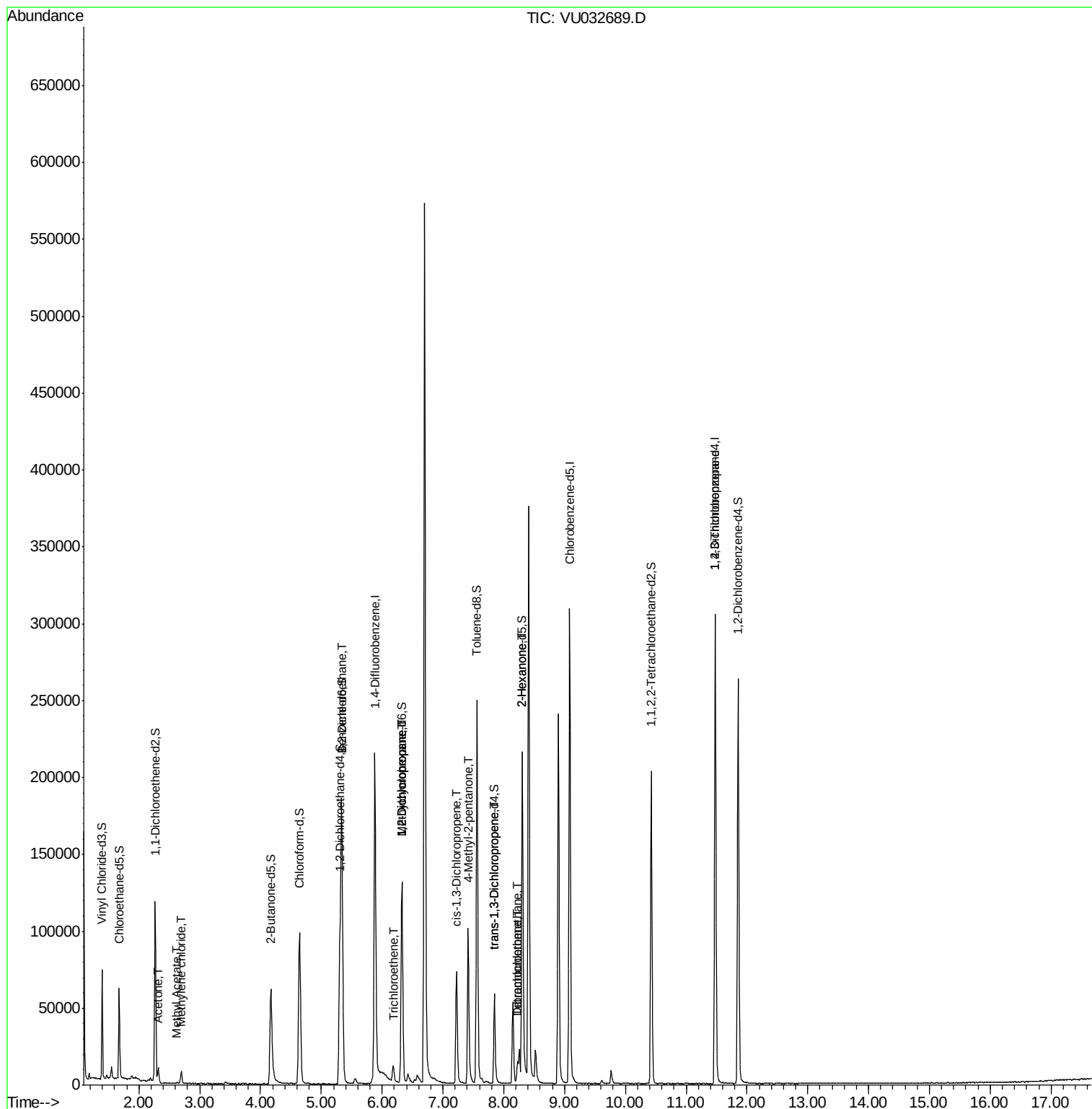
					Qvalue	
13) Acetone	2.32	43	9460	9.746	ug/L	96
15) Methyl Acetate	2.62	43	876	0.632	ug/L #	53
16) Methylene chloride	2.70	84	3364	2.868	ug/L	92
27) 1,2-Dichloroethane	5.33	62	1089	0.657	ug/L #	75
34) Trichloroethene	6.18	95	3353	2.611	ug/L	96
35) Methylcyclohexane	6.33	83	14371	6.914	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	7077	5.657	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1997	1.012	ug/L #	71
40) 4-Methyl-2-pentanone	7.41	43	40363	20.054	ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	1263	0.721	ug/L	86
46) Tetrachloroethene	8.23	164	2394	2.257	ug/L	94
48) 2-Hexanone	8.31	43	11167	6.755	ug/L #	67
49) Dibromochloromethane	8.23	129	2255	1.640	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9613	5.911	ug/L #	88

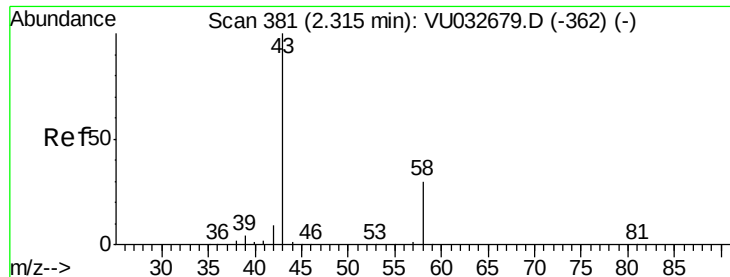
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.746 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

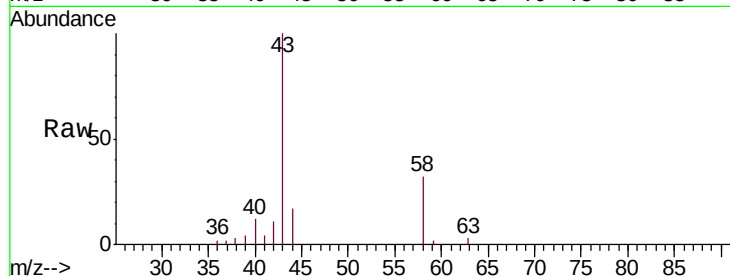
C0JQ1

Tgt Ion: 43 Resp: 9460

Ion Ratio Lower Upper

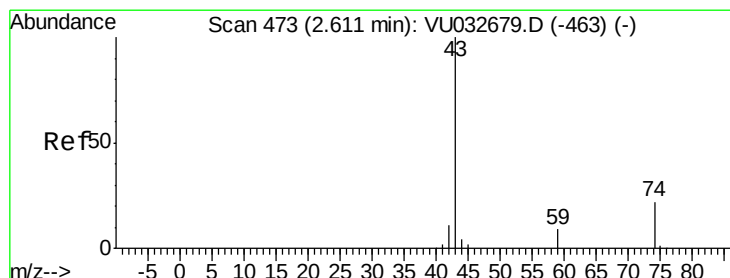
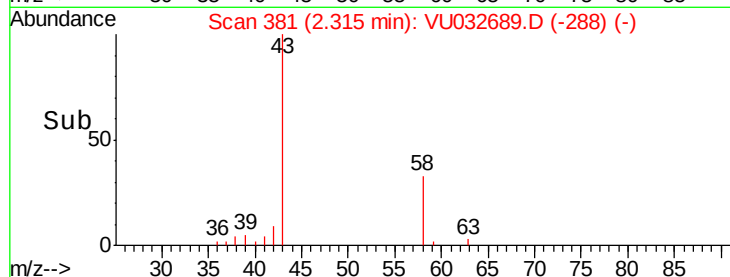
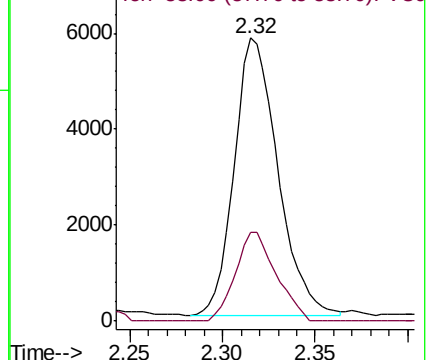
43 100

58 29.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032679.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032679.D (-362) (-)



#15

Methyl Acetate

Concen: 0.632 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU032689.D

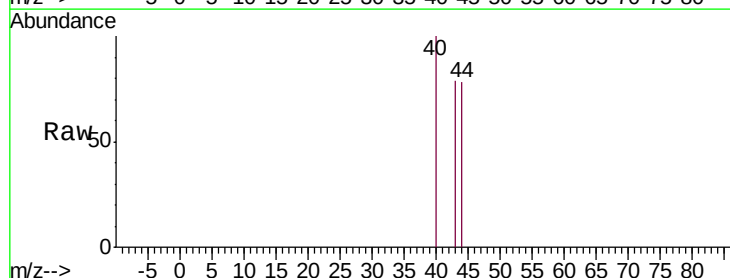
Acq: 13 Jun 2019 13:13

Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

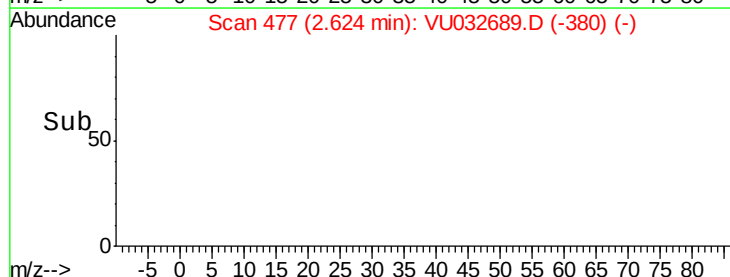
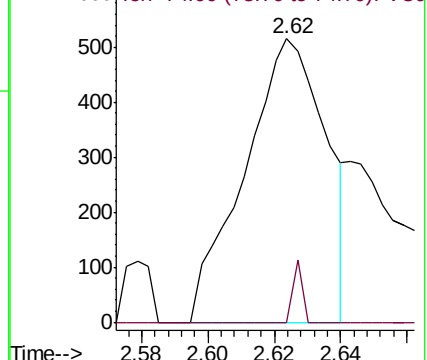
43 100

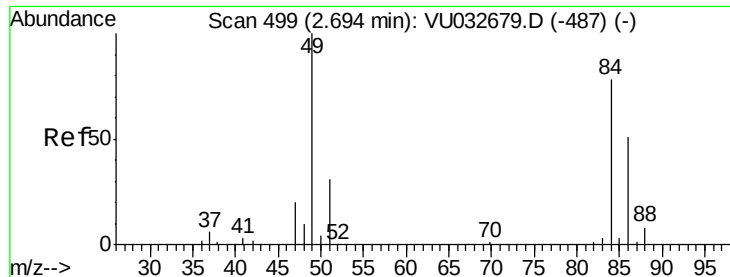
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU032679.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU032679.D (-463) (-)

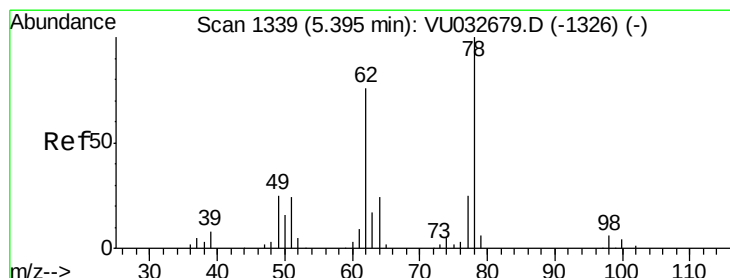
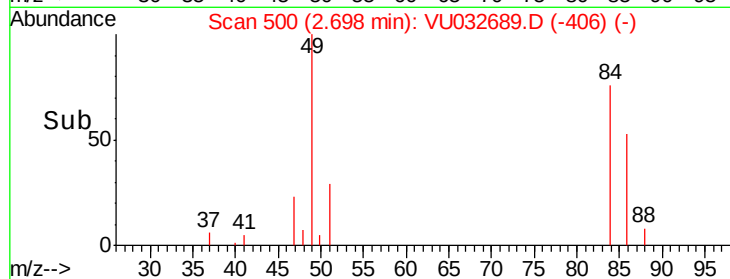
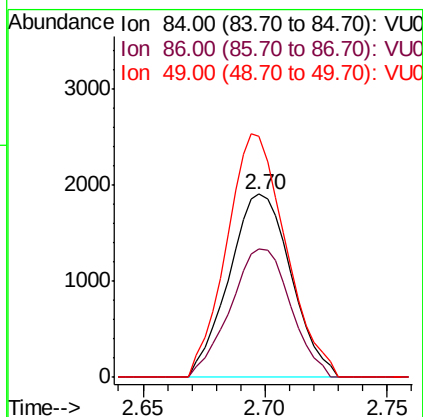
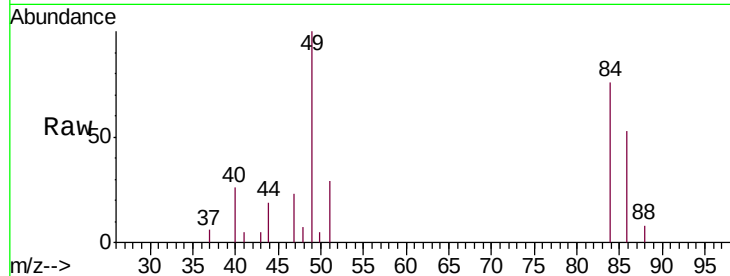




#16
Methylene chloride
Concen: 2.868 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032689.D
Acq: 13 Jun 2019 13:13

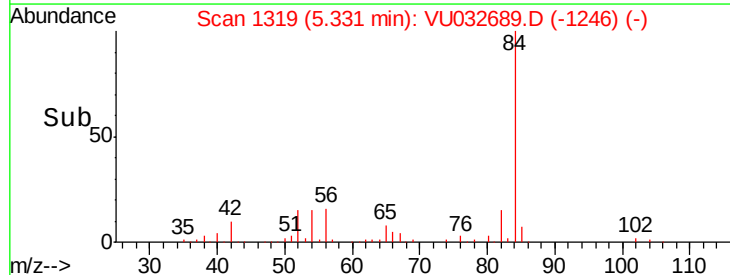
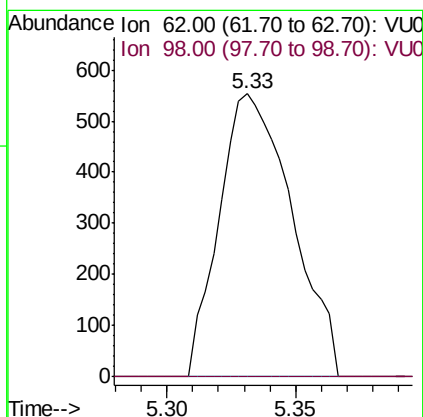
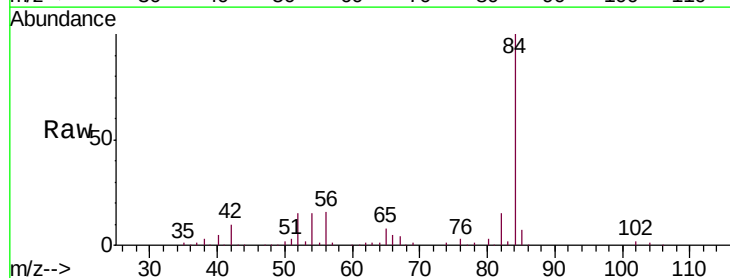
Instrument :
MSVOA_U
ClientSampleId :
C0JQ1

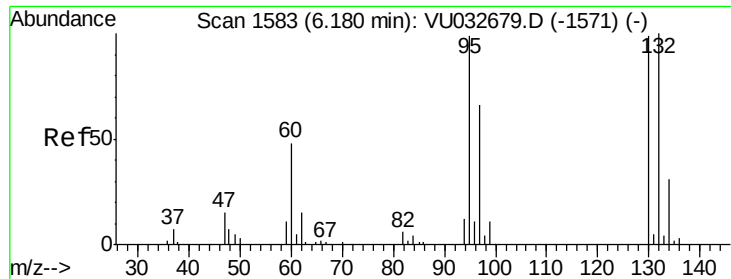
Tgt Ion: 84 Resp: 3364
Ion Ratio Lower Upper
84 100
86 70.4 44.7 82.9
49 132.1 86.1 159.9



#27
1,2-Dichloroethane
Concen: 0.657 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.06 min
Lab File: VU032689.D
Acq: 13 Jun 2019 13:13

Tgt Ion: 62 Resp: 1089
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#34

Trichloroethene

Concen: 2.611 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

C0JQ1

Tgt Ion: 95 Resp: 3353

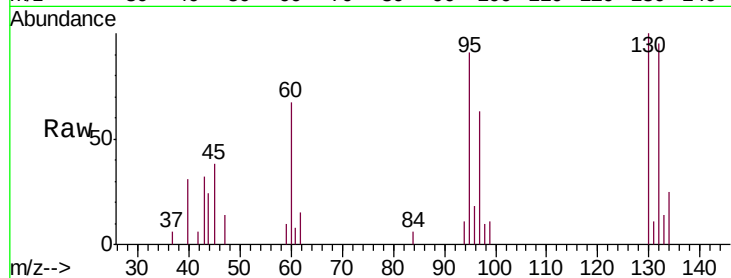
Ion Ratio Lower Upper

95 100

97 69.5 45.8 85.2

132 104.4 71.0 131.8

130 109.9 73.4 136.2

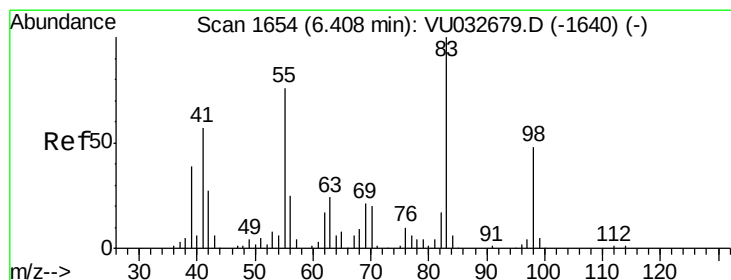
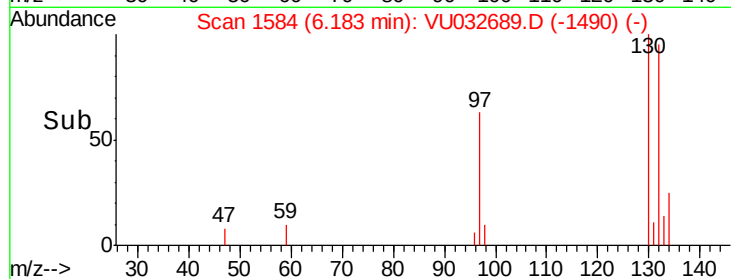
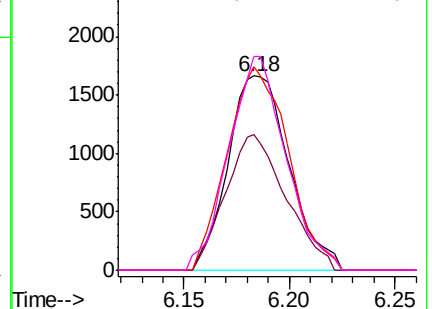


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 6.914 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

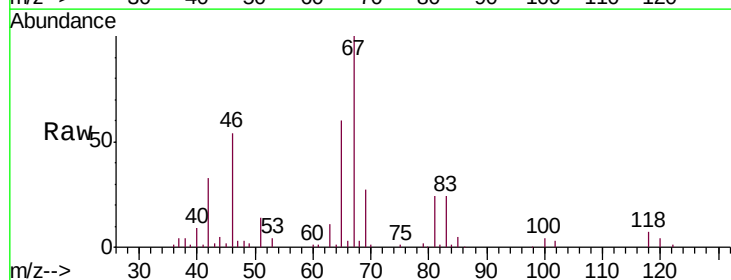
Tgt Ion: 83 Resp: 14371

Ion Ratio Lower Upper

83 100

55 0.8 60.2 90.4#

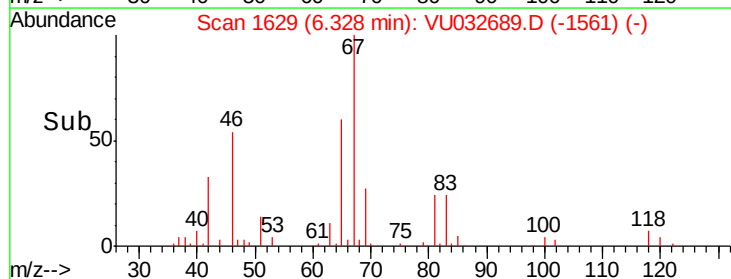
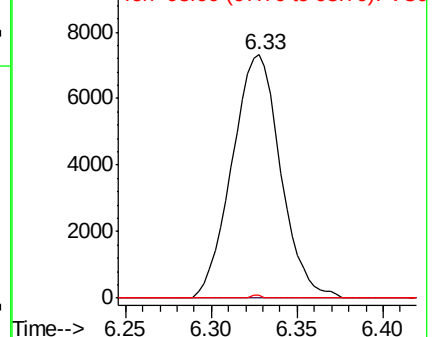
98 0.3 37.4 56.2#

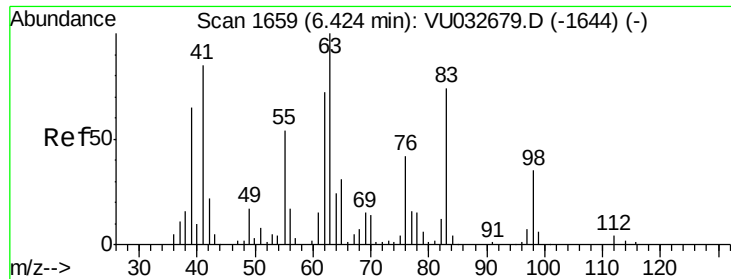


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

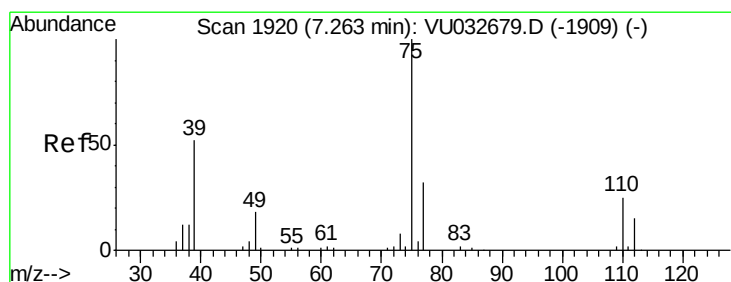
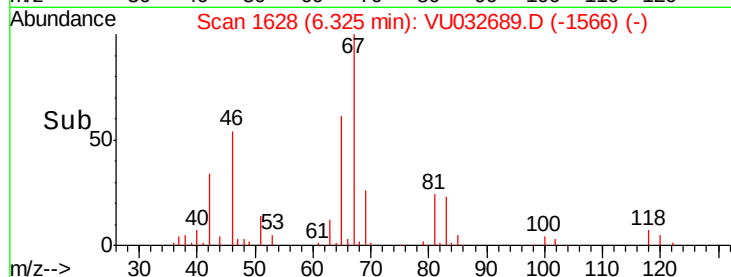
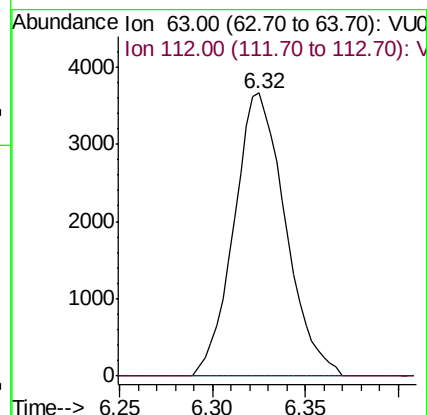
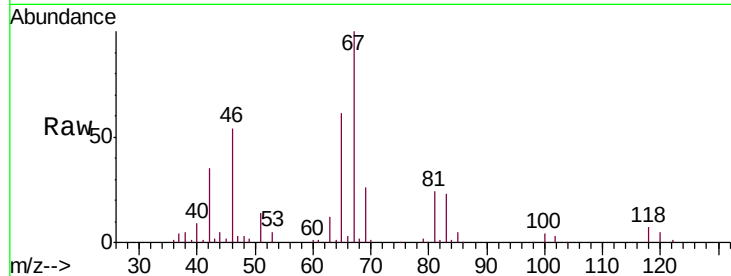




#37
 1,2-Dichloropropane
 Concen: 5.657 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032689.D
 Acq: 13 Jun 2019 13:13

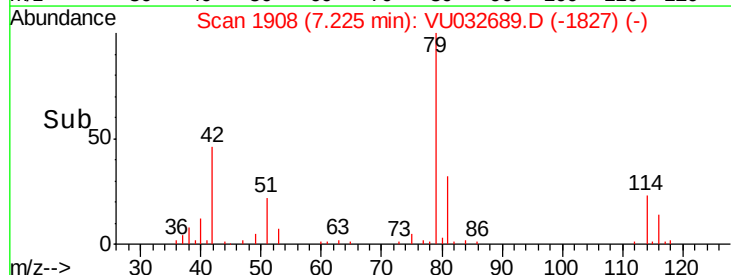
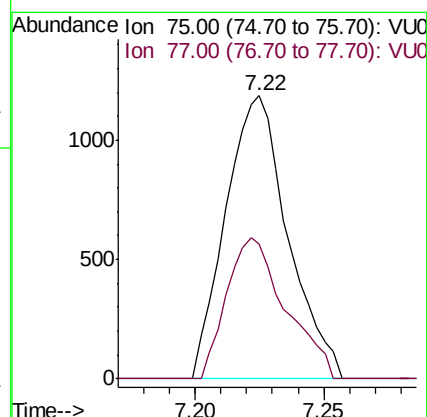
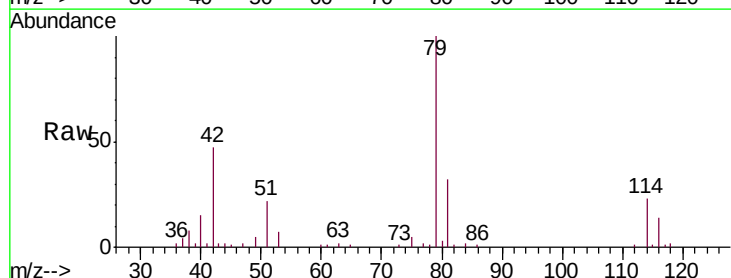
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JQ1

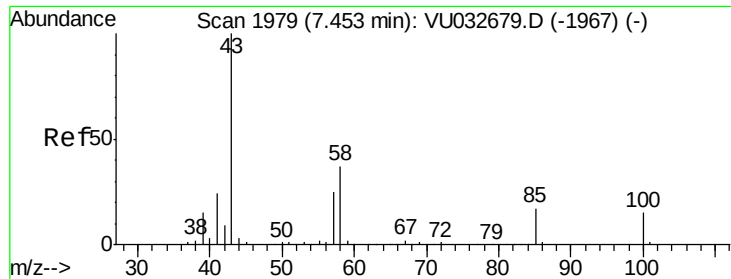
Tgt Ion: 63 Resp: 7077
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.012 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032689.D
 Acq: 13 Jun 2019 13:13

Tgt Ion: 75 Resp: 1997
 Ion Ratio Lower Upper
 75 100
 77 47.5 22.0 41.0#

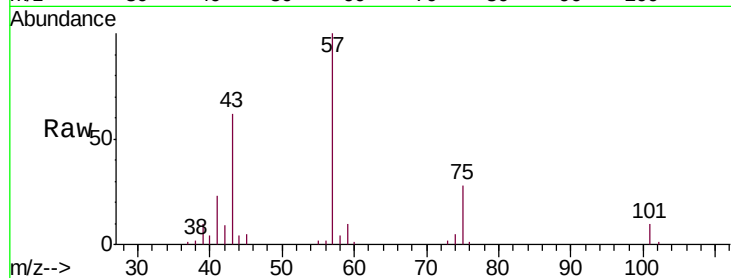




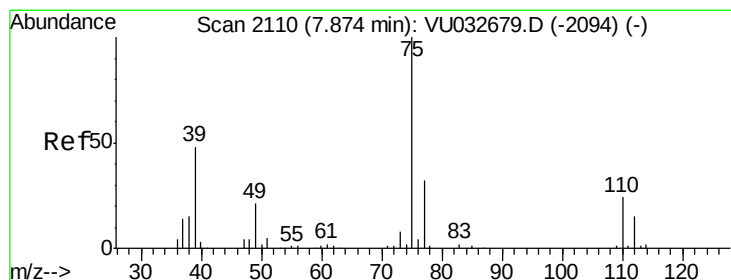
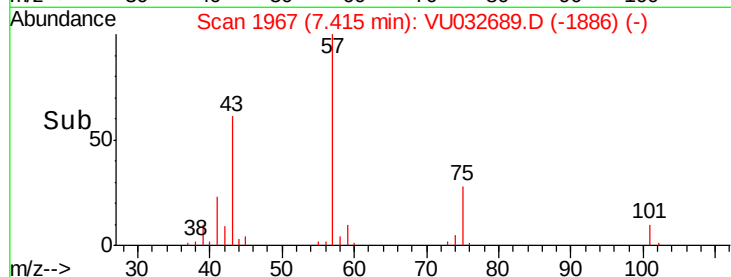
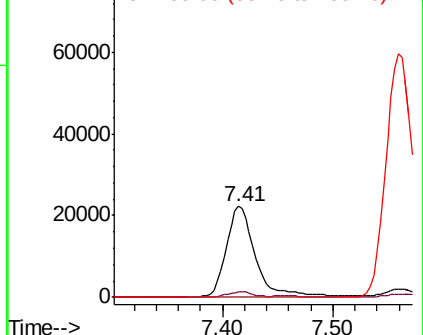
#40
4-Methyl-2-pentanone
Concen: 20.054 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. -0.04 min
Lab File: VU032689.D
Acq: 13 Jun 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
C0JQ1

Tgt Ion: 43 Resp: 40363
Ion Ratio Lower Upper
43 100
58 5.5 30.8 46.2#
100 0.0 12.1 18.1#

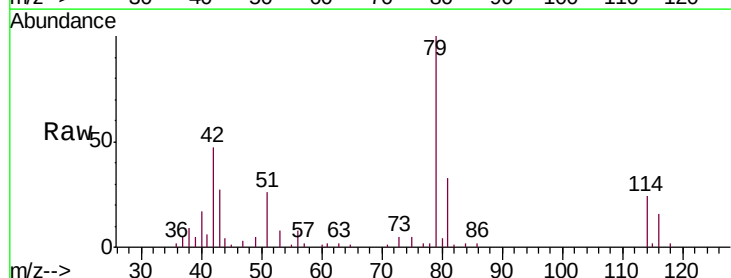


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

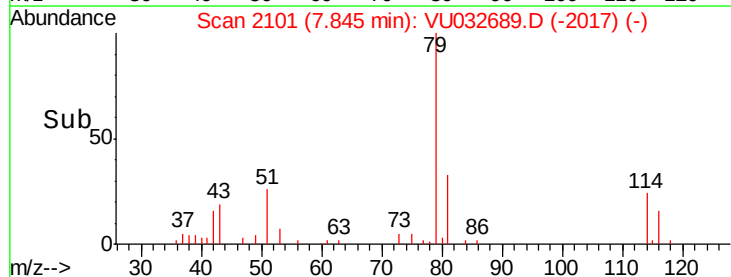
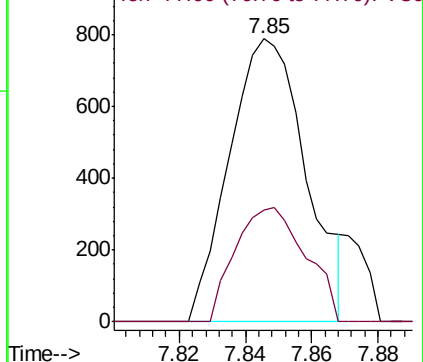


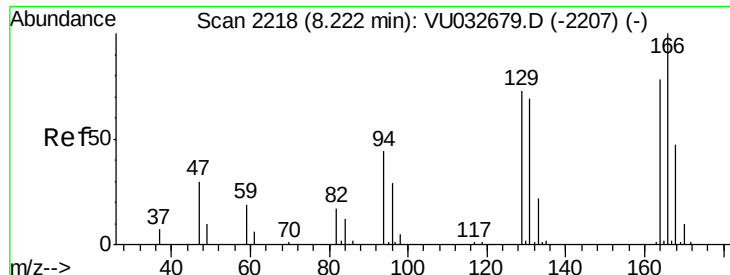
#44
trans-1,3-Dichloropropene
Concen: 0.721 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032689.D
Acq: 13 Jun 2019 13:13

Tgt Ion: 75 Resp: 1263
Ion Ratio Lower Upper
75 100
77 39.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 2.257 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampled :

C0JQ1

Tgt Ion:164 Resp: 2394

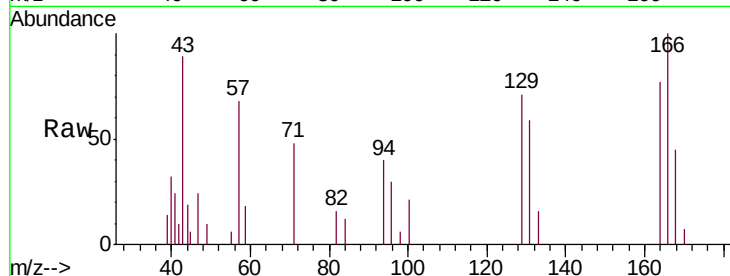
Ion Ratio Lower Upper

164 100

129 92.1 65.3 121.3

131 76.7 64.0 119.0

166 129.7 88.8 165.0

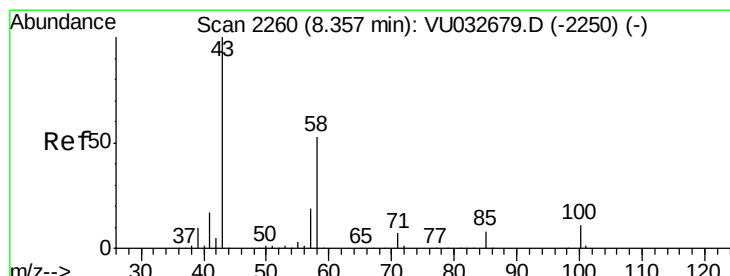
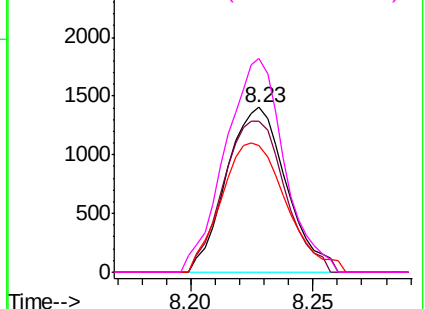
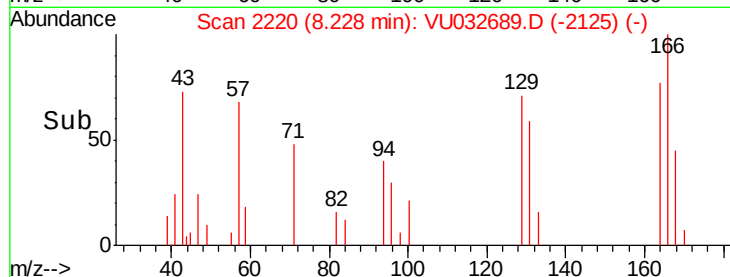


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 6.755 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

Tgt Ion: 43 Resp: 11167

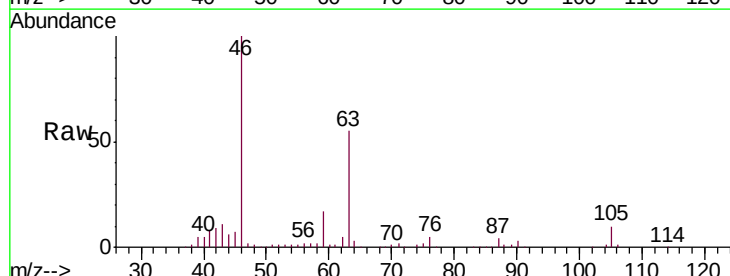
Ion Ratio Lower Upper

43 100

58 21.2 42.0 63.0#

57 17.1 14.6 22.0

100 0.0 9.2 13.8#

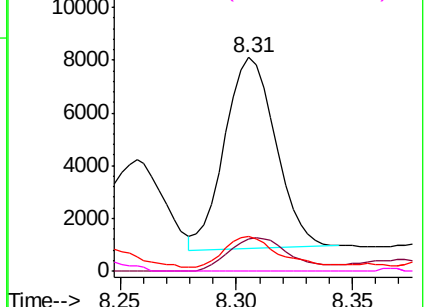
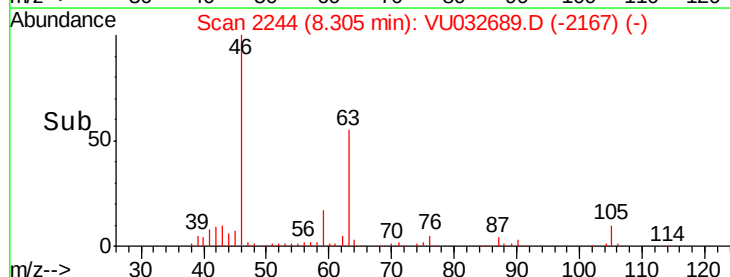


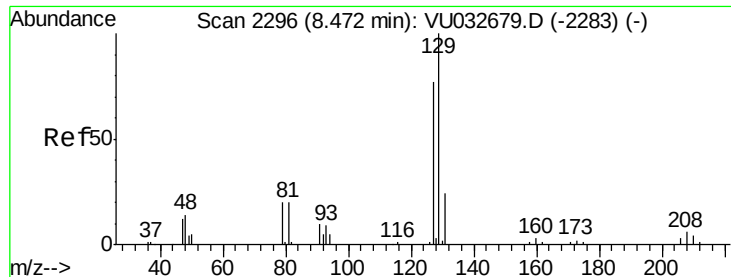
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 1.640 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU032689.D

Acq: 13 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

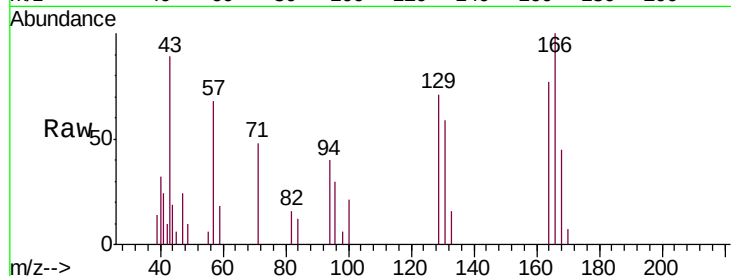
C0JQ1

Tgt Ion:129 Resp: 2255

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

8.23

1500

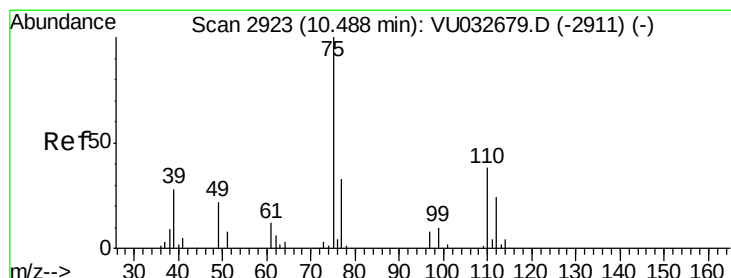
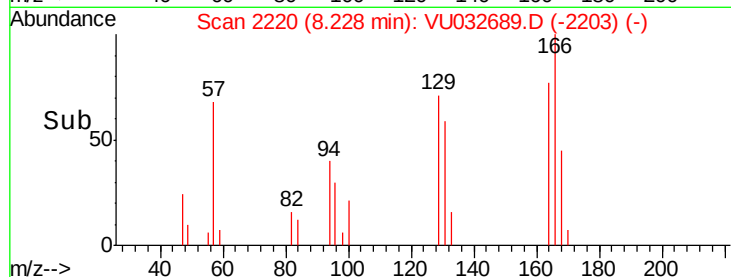
1000

500

0

8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.911 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032689.D

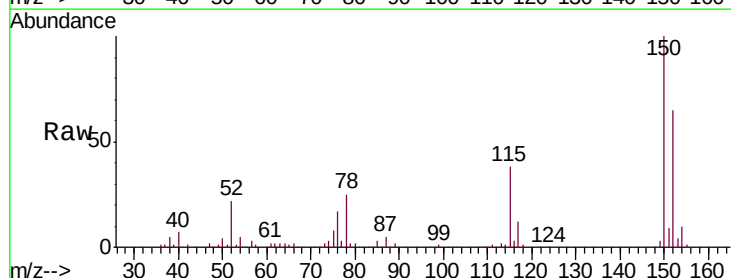
Acq: 13 Jun 2019 13:13

Tgt Ion: 75 Resp: 9613

Ion Ratio Lower Upper

75 100

77 38.7 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

11.45 11.50

Time-->

