

Data File : VU032645.D
Acq On : 12 Jun 2019 12:39
Operator : JC/SP
Sample : K3286-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JW2

Quant Time: Jun 13 05:04:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	174762	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	161035	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81500	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57505	50.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.44%
7) Chloroethane-d5	1.68	69	45917	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.78%
11) 1,1-Dichloroethene-d2	2.27	63	85048	38.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.62%
21) 2-Butanone-d5	4.17	46	100716	106.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	4.64	84	103815	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
26) 1,2-Dichloroethane-d4	5.30	65	69490	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.32%
32) Benzene-d6	5.33	84	211854	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
36) 1,2-Dichloropropane-d6	6.32	67	67380	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.80%
41) Toluene-d8	7.56	98	197460	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.85	79	31538	50.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.54%
47) 2-Hexanone-d5	8.31	63	74665	117.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98387	51.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	81064	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

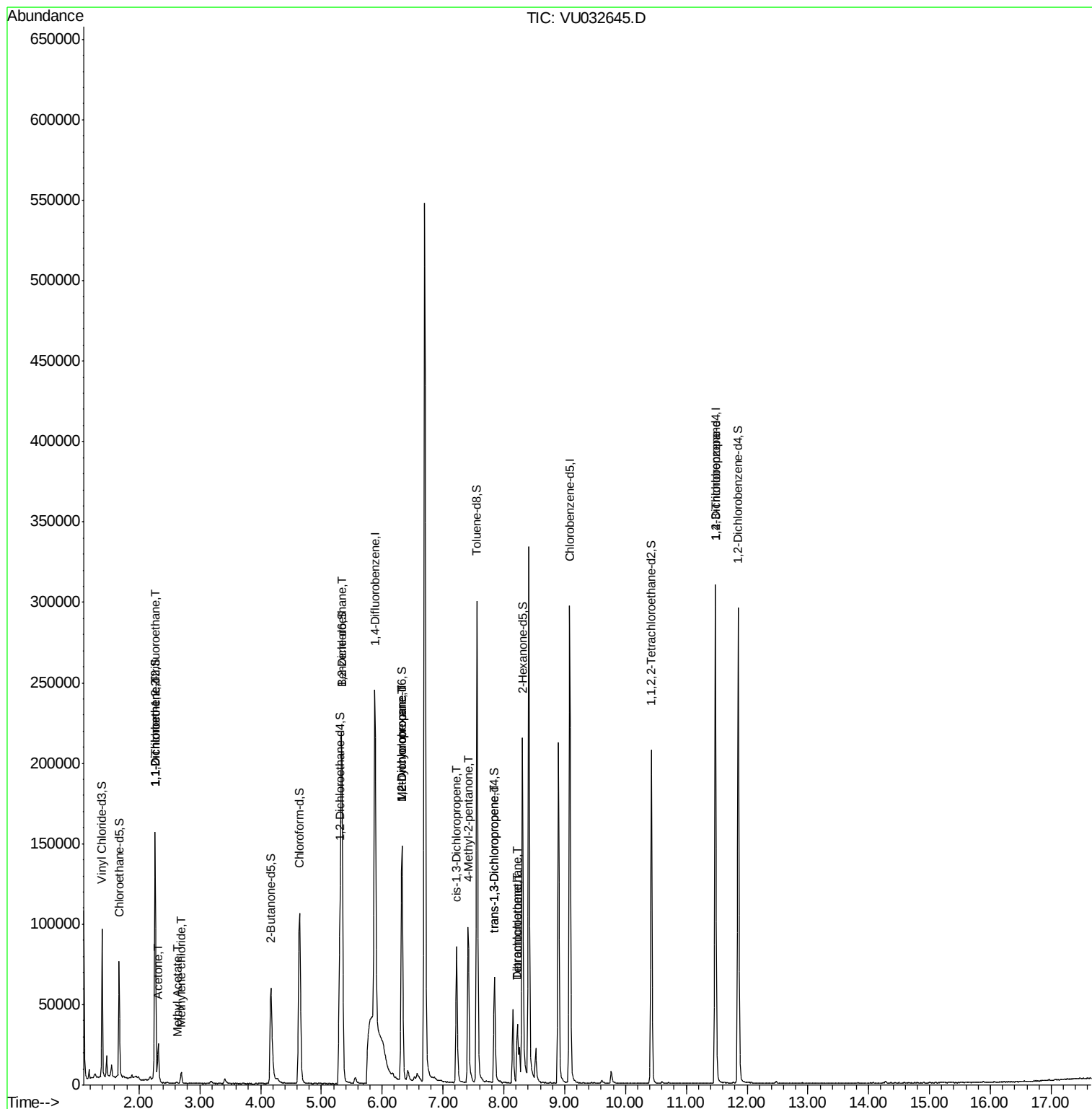
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	768	0.719	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	699	0.674	ug/L #	1
13) Acetone	2.32	43	24038	24.552	ug/L	99
15) Methyl Acetate	2.63	43	1157	0.828	ug/L #	67
16) Methylene chloride	2.69	84	2841	2.401	ug/L	90
27) 1,2-Dichloroethane	5.33	62	1270	0.760	ug/L #	75
35) Methylcyclohexane	6.32	83	15589	7.823	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	7501	6.254	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2287	1.209	ug/L #	76
40) 4-Methyl-2-pentanone	7.41	43	34963	18.120	ug/L #	52
44) trans-1,3-Dichloropropene	7.85	75	1641	0.977	ug/L	90
46) Tetrachloroethene	8.22	164	7493	7.370	ug/L	93
49) Dibromochloromethane	8.22	129	6849	5.195	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9901	6.350	ug/L	93

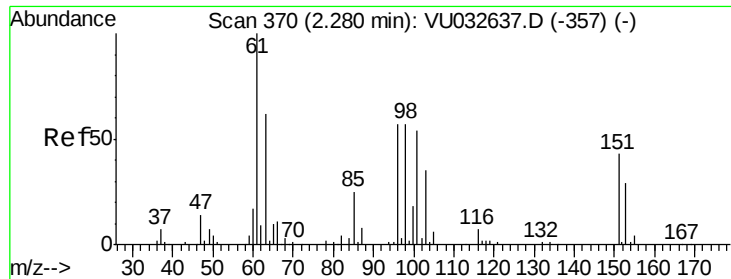
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.719 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

C0JW2

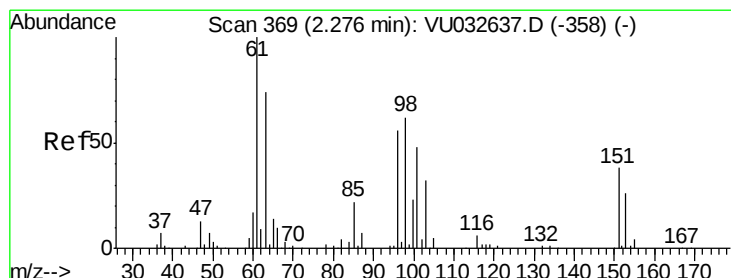
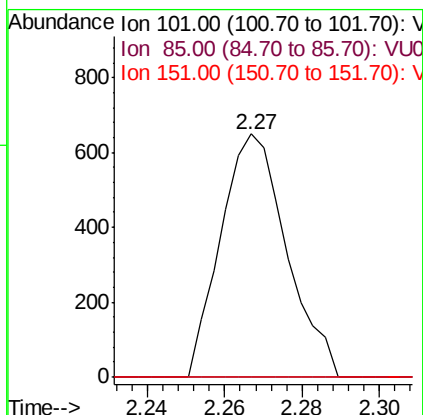
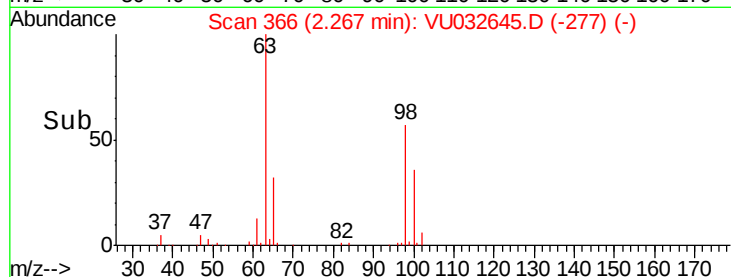
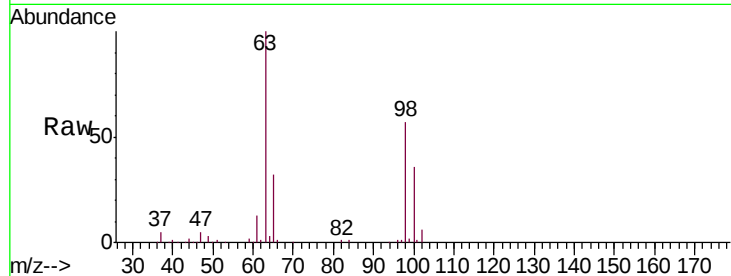
Tgt Ion:101 Resp: 768

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#



#12

1,1-Dichloroethene

Concen: 0.674 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

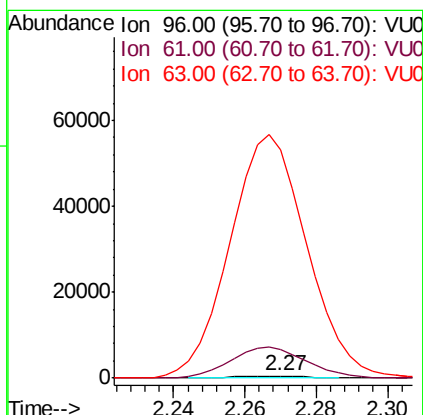
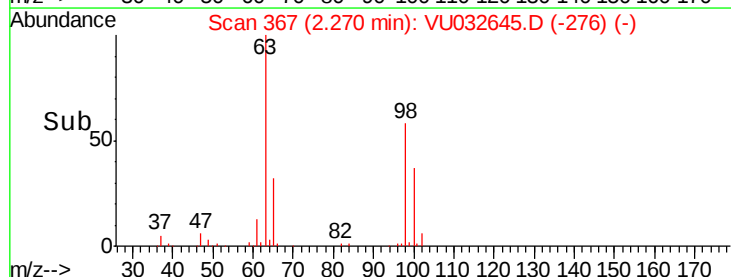
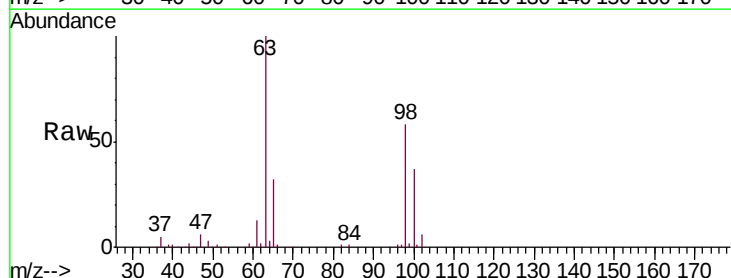
Tgt Ion: 96 Resp: 699

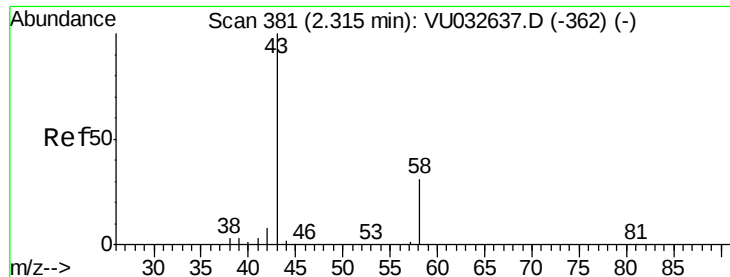
Ion Ratio Lower Upper

96 100

61 1462.8 129.5 240.5#

63 11527.0 103.4 192.0#





#13

Acetone

Concen: 24.552 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

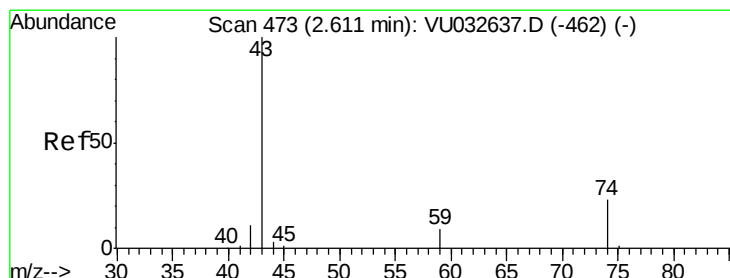
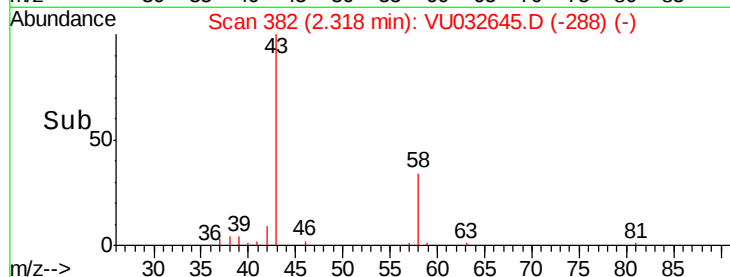
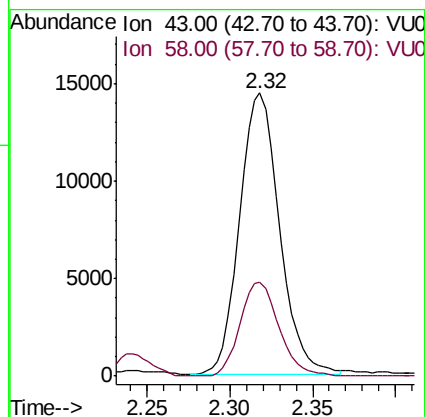
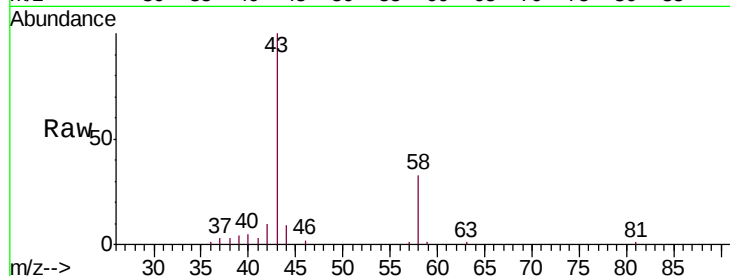
C0JW2

Tgt Ion: 43 Resp: 24038

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.0



#15

Methyl Acetate

Concen: 0.828 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.02 min

Lab File: VU032645.D

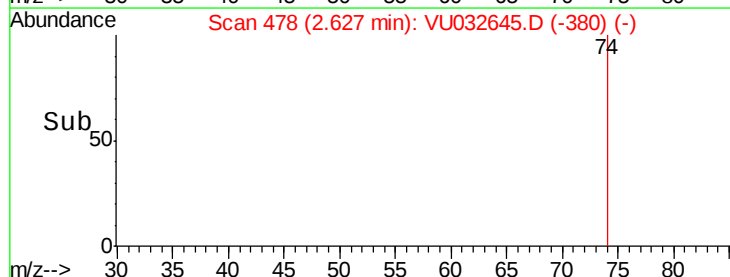
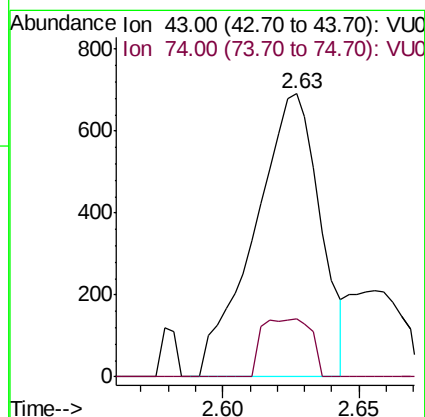
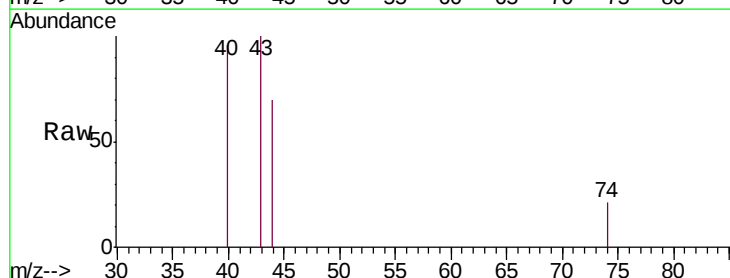
Acq: 12 Jun 2019 12:39

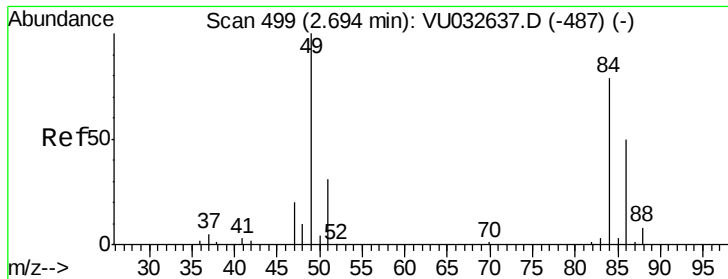
Tgt Ion: 43 Resp: 1157

Ion Ratio Lower Upper

43 100

74 6.7 18.0 27.0#

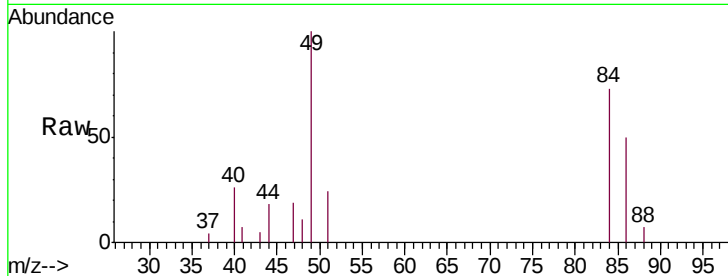




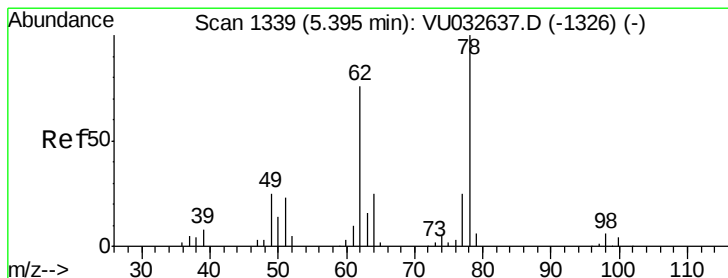
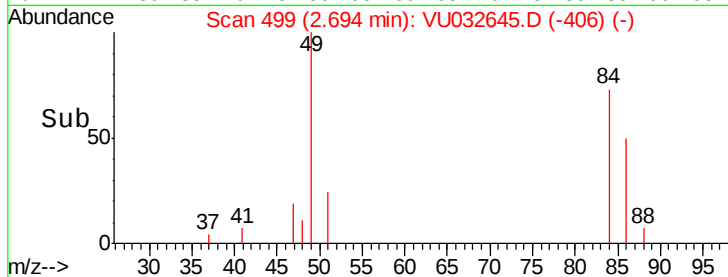
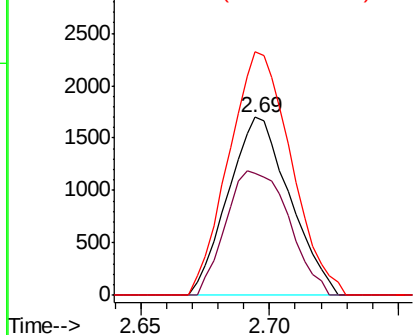
#16
Methylene chloride
Concen: 2.401 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032645.D
Acq: 12 Jun 2019 12:39

Instrument :
MSVOA_U
ClientSampleId :
C0JW2

Tgt Ion: 84 Resp: 2841
Ion Ratio Lower Upper
84 100
86 68.5 44.7 82.9
49 136.7 86.1 159.9

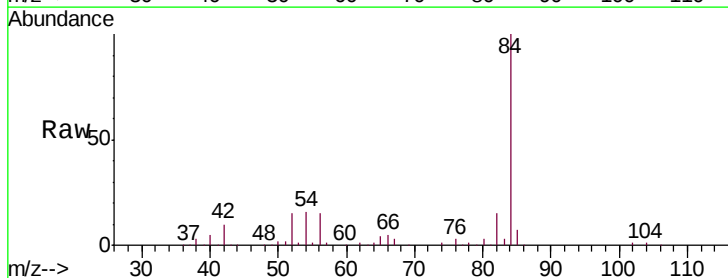


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

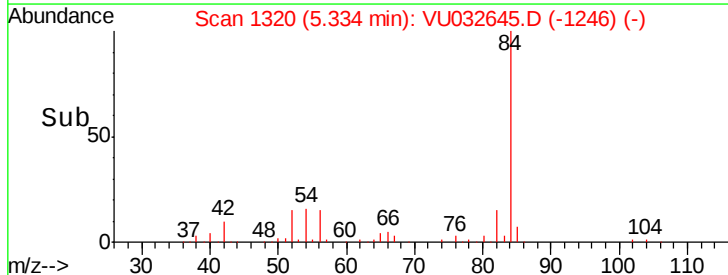
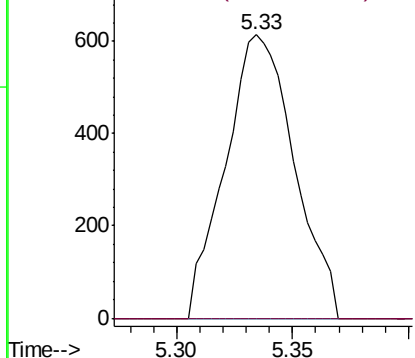


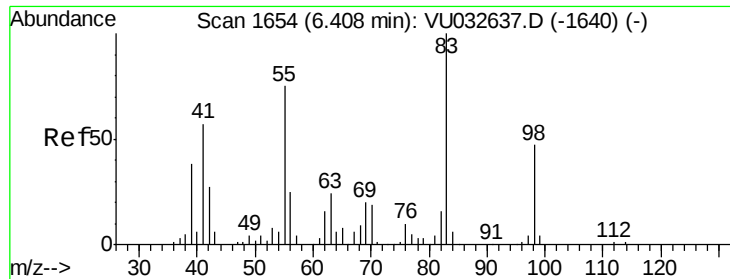
#27
1,2-Dichloroethane
Concen: 0.760 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.06 min
Lab File: VU032645.D
Acq: 12 Jun 2019 12:39

Tgt Ion: 62 Resp: 1270
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

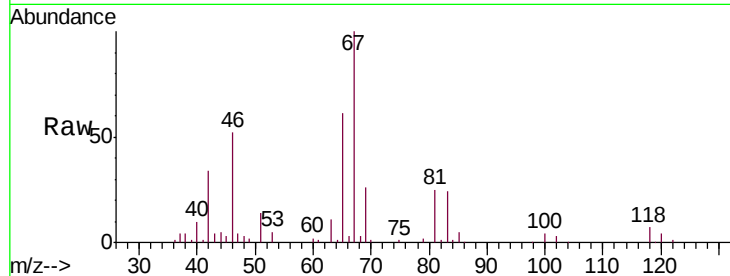




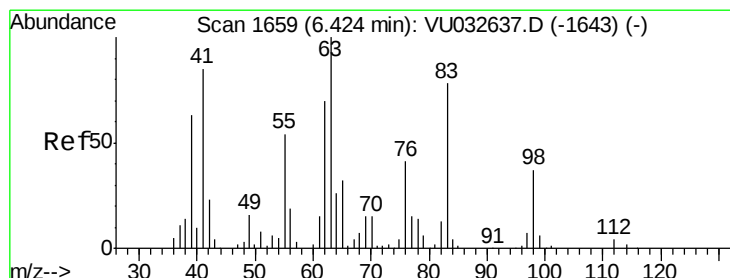
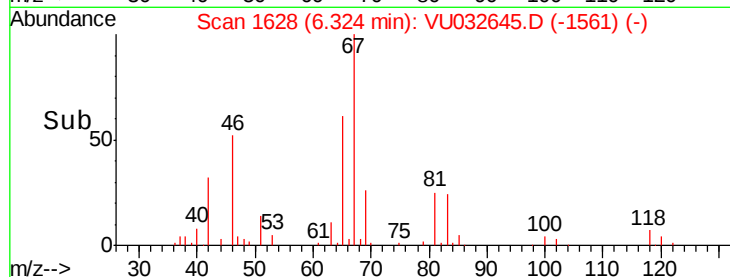
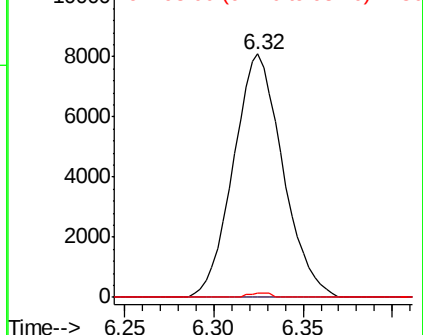
#35
Methylcyclohexane
Concen: 7.823 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032645.D
Acq: 12 Jun 2019 12:39

Instrument :
MSVOA_U
ClientSampled :
C0JW2

Tgt Ion: 83 Resp: 15589
Ion Ratio Lower Upper
83 100
55 0.3 60.2 90.4#
98 0.5 37.4 56.2#

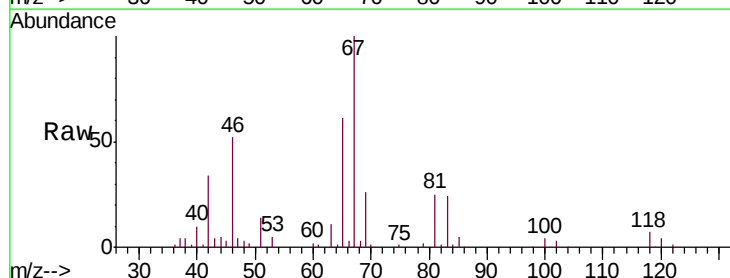


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

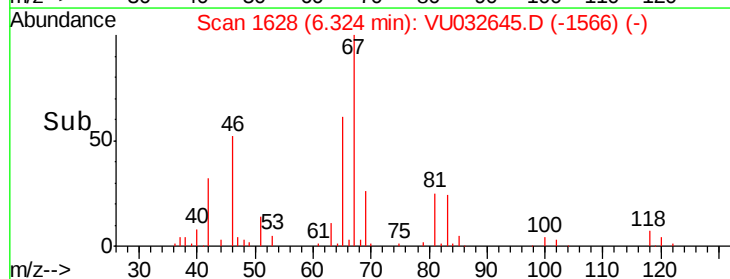
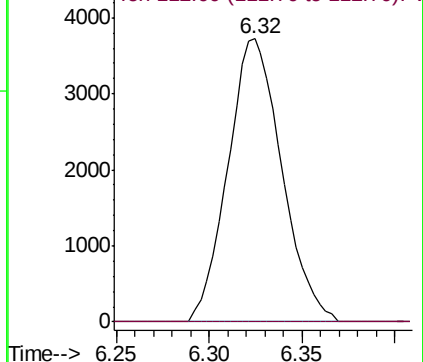


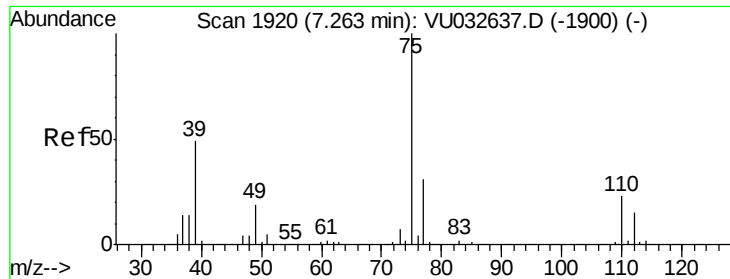
#37
1,2-Dichloropropane
Concen: 6.254 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032645.D
Acq: 12 Jun 2019 12:39

Tgt Ion: 63 Resp: 7501
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

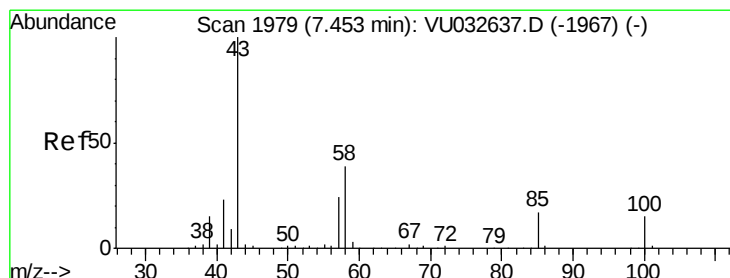
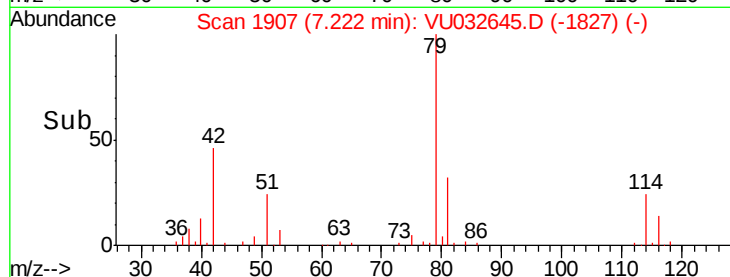
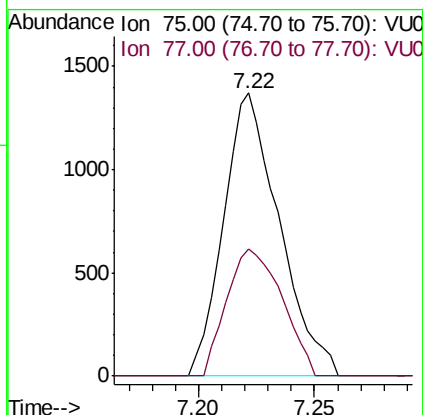
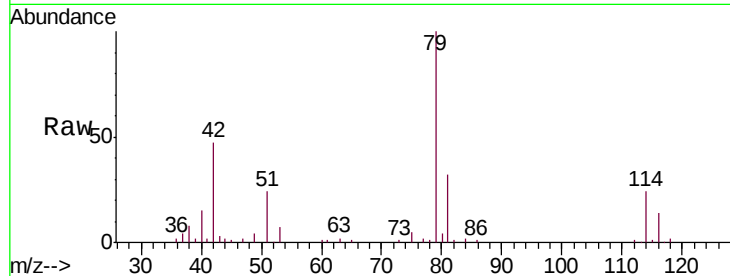




#39
 cis-1,3-Dichloropropene
 Concen: 1.209 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032645.D
 Acq: 12 Jun 2019 12:39

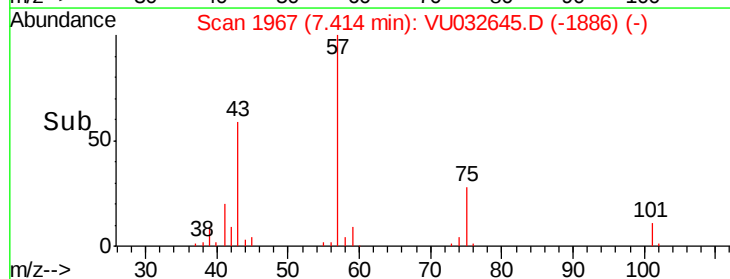
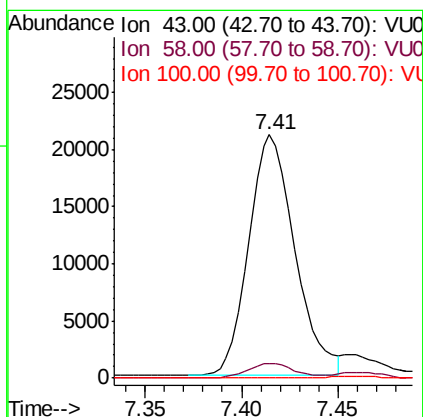
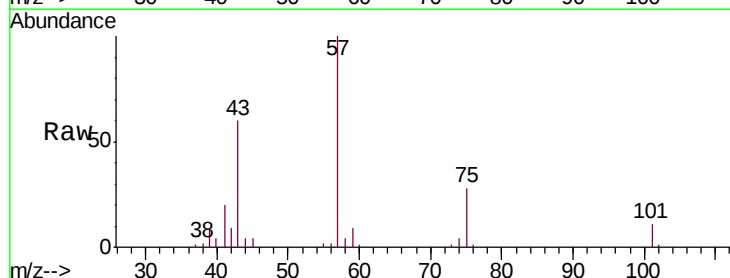
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JW2

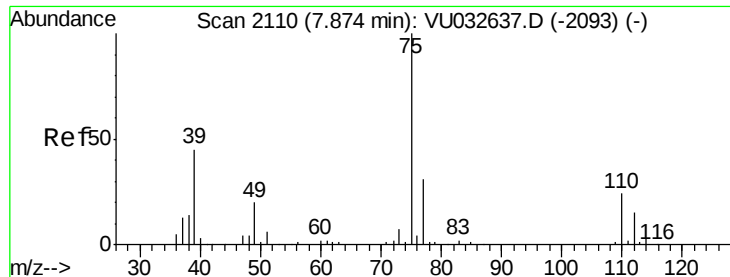
Tgt Ion: 75 Resp: 2287
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 18.120 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. -0.04 min
 Lab File: VU032645.D
 Acq: 12 Jun 2019 12:39

Tgt Ion: 43 Resp: 34963
 Ion Ratio Lower Upper
 43 100
 58 6.3 30.8 46.2#
 100 0.0 12.1 18.1#





#44

trans-1,3-Dichloropropene

Concen: 0.977 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

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MSVOA_U

ClientSampleId :

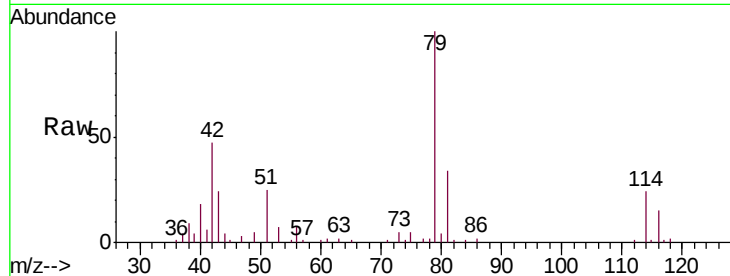
C0JW2

Tgt Ion: 75 Resp: 1641

Ion Ratio Lower Upper

75 100

77 37.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032637.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032637.D (-2093) (-)

7.85

1000

800

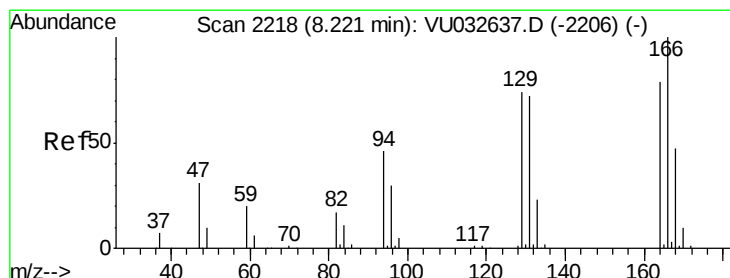
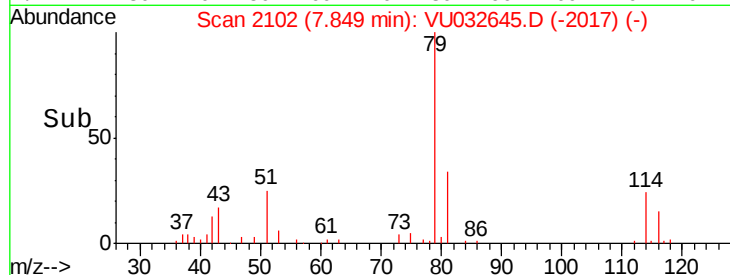
600

400

200

0

Time--> 7.80 7.85 7.90



#46

Tetrachloroethene

Concen: 7.370 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

Tgt Ion: 164 Resp: 7493

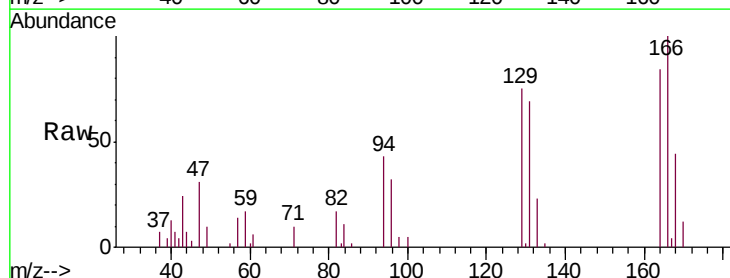
Ion Ratio Lower Upper

164 100

129 88.5 65.3 121.3

131 82.4 64.0 119.0

166 118.7 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VU032637.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032637.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032637.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032637.D (-2206) (-)

8000

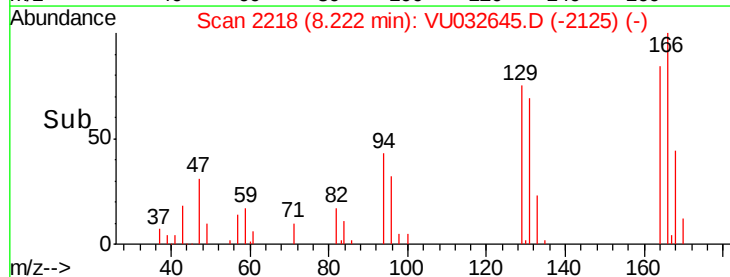
6000

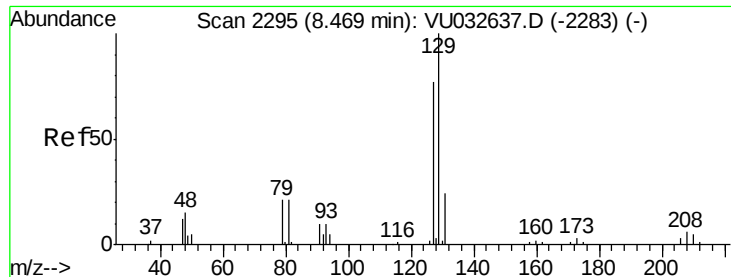
4000

2000

0

Time--> 8.20 8.25





#49

Dibromochloromethane

Concen: 5.195 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

Instrument :

MSVOA_U

ClientSampleId :

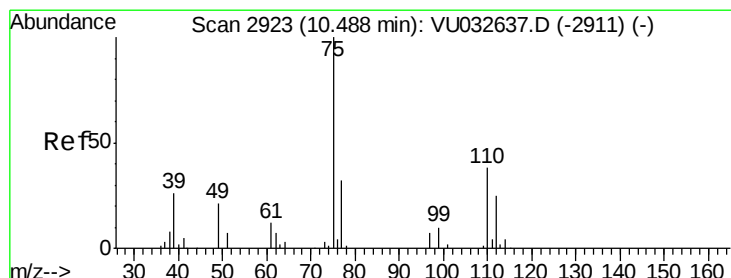
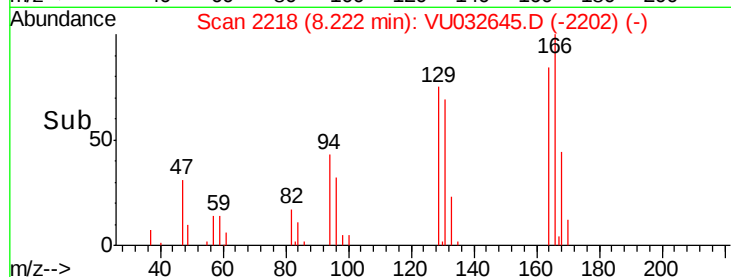
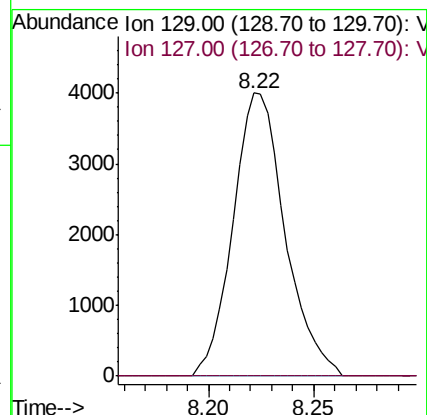
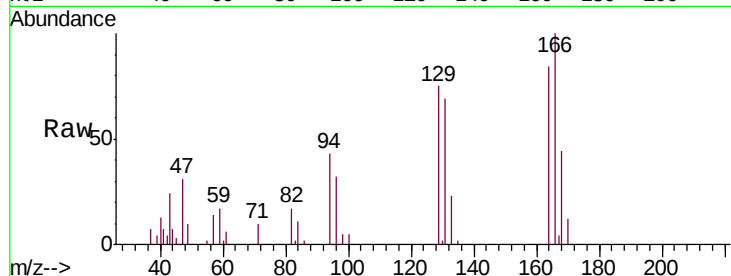
C0JW2

Tgt Ion:129 Resp: 6849

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



#59

1,2,3-Trichloropropane

Concen: 6.350 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032645.D

Acq: 12 Jun 2019 12:39

Tgt Ion: 75 Resp: 9901

Ion Ratio Lower Upper

75 100

77 35.7 25.6 38.4

