

Data File : VU032630.D
Acq On : 11 Jun 2019 23:05
Operator : JC/SP
Sample : K3293-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8R2

Quant Time: Jun 12 07:34:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 07:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	163748	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	157527	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41111	38.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.40%
7) Chloroethane-d5	1.68	69	37684	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.28%
11) 1,1-Dichloroethene-d2	2.27	63	66545	31.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.98%
21) 2-Butanone-d5	4.17	46	92474	104.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.01%
24) Chloroform-d	4.64	84	96295	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.30	65	65613	52.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.14%
32) Benzene-d6	5.33	84	188414	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
36) 1,2-Dichloropropane-d6	6.33	67	63028	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.30%
41) Toluene-d8	7.56	98	171575	44.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.50%
43) trans-1,3-Dichloropropene-	7.85	79	27526	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	50965	81.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	93917	50.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	72826	49.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.52%

Target Compounds

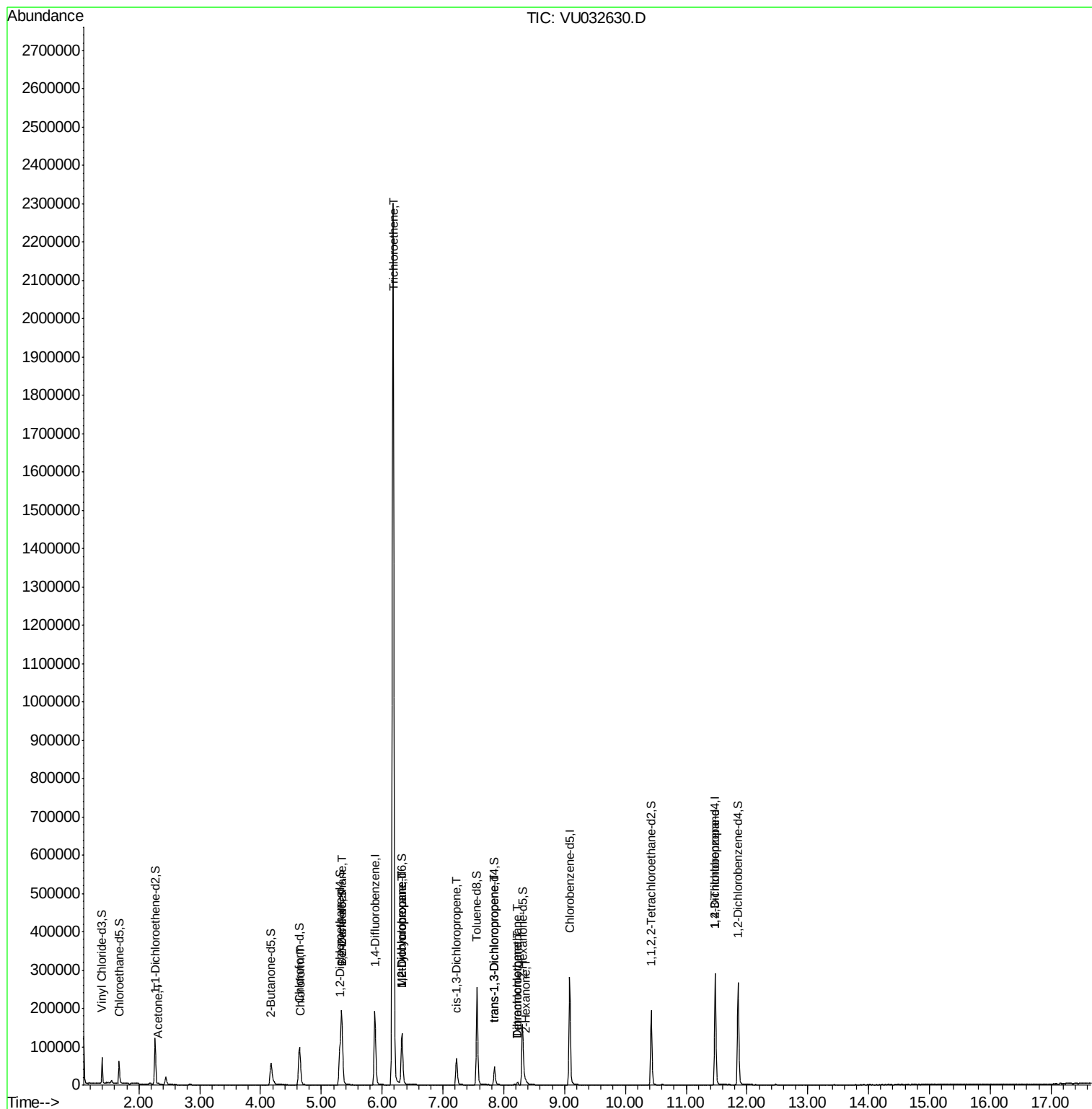
					Qvalue
13) Acetone	2.32	43	4017	4.379 ug/L	99
25) Chloroform	4.67	83	1667	0.842 ug/L	86
27) 1,2-Dichloroethane	5.33	62	1058	0.676 ug/L #	75
34) Trichloroethene	6.18	95	761311	632.238 ug/L	98
35) Methylcyclohexane	6.32	83	14307	7.339 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	6853	5.841 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1811	0.978 ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1260	0.767 ug/L	89
46) Tetrachloroethene	8.22	164	1572	1.581 ug/L	89
48) 2-Hexanone	8.36	43	5611	3.619 ug/L #	80
49) Dibromochloromethane	8.23	129	1359	1.054 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9432	6.184 ug/L	90

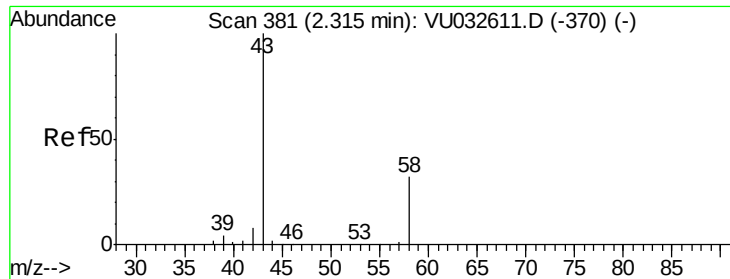
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.379 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032630.D

Acq: 11 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampled :

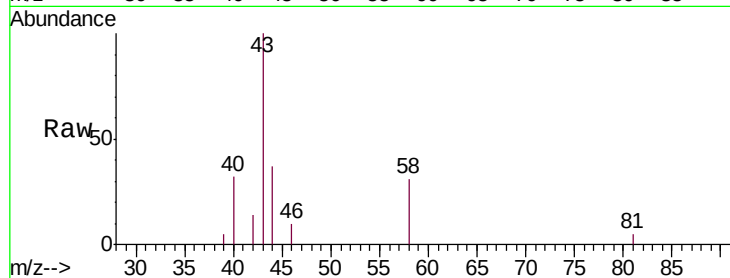
DB8R2

Tgt Ion: 43 Resp: 4017

Ion Ratio Lower Upper

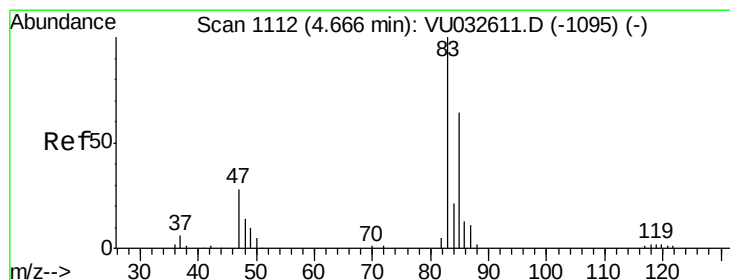
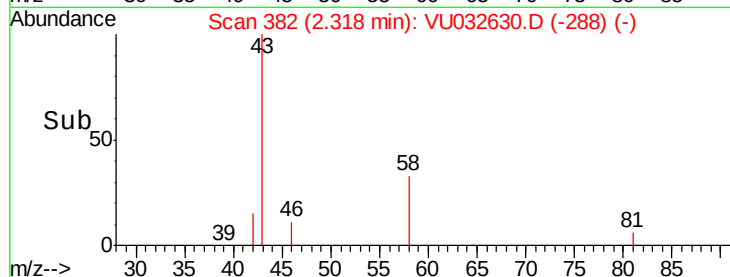
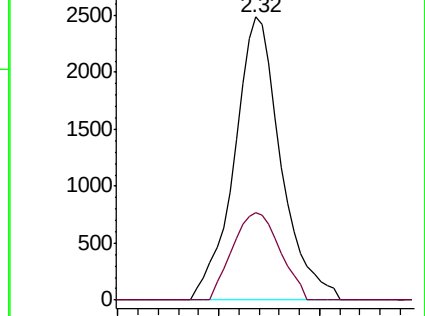
43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032611.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032611.D (-370) (-)



#25

Chloroform

Concen: 0.842 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032630.D

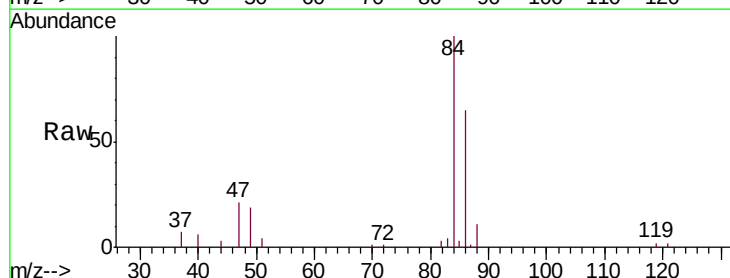
Acq: 11 Jun 2019 23:05

Tgt Ion: 83 Resp: 1667

Ion Ratio Lower Upper

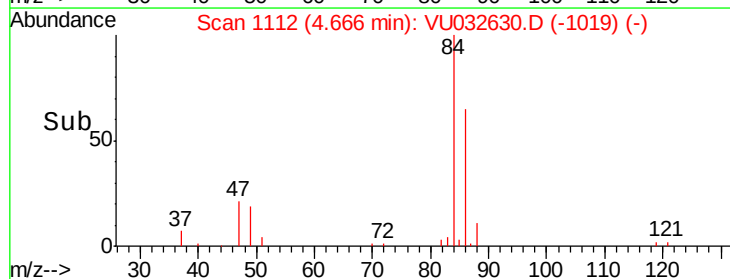
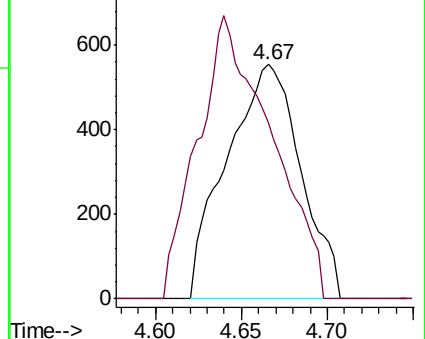
83 100

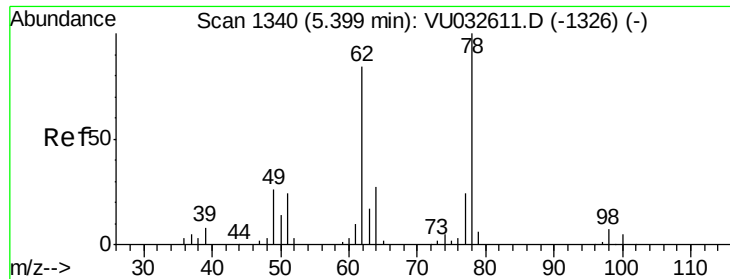
85 75.1 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VU032611.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU032611.D (-1095) (-)

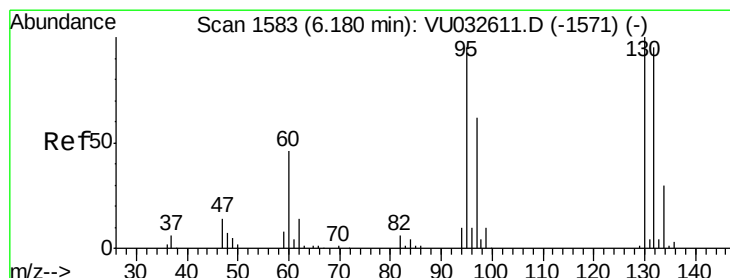
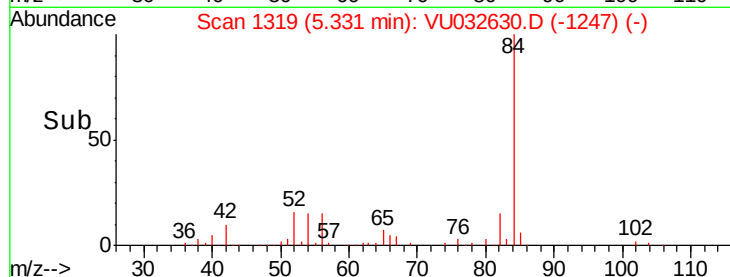
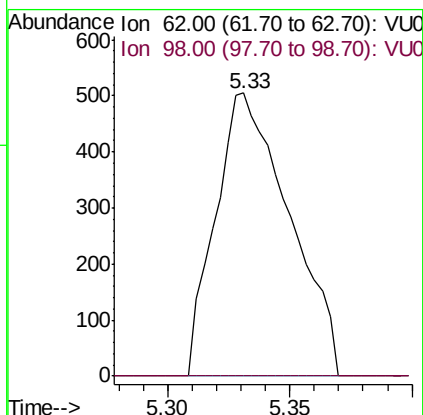
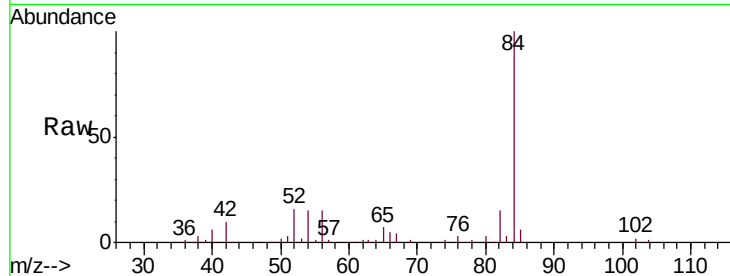




#27
 1,2-Dichloroethane
 Concen: 0.676 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.07 min
 Lab File: VU032630.D
 Acq: 11 Jun 2019 23:05

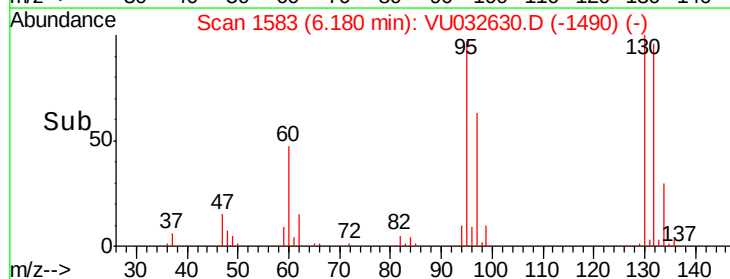
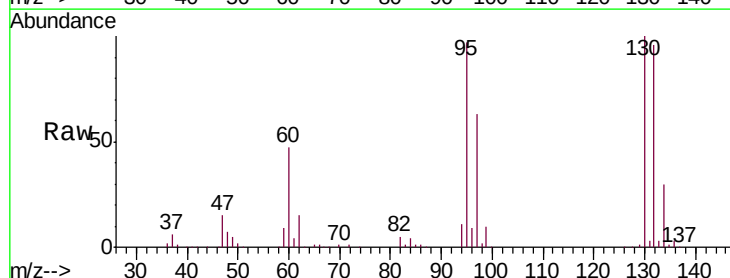
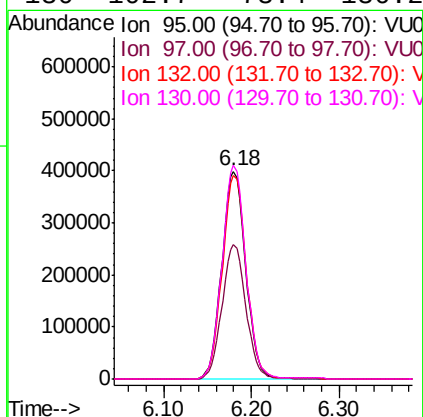
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8R2

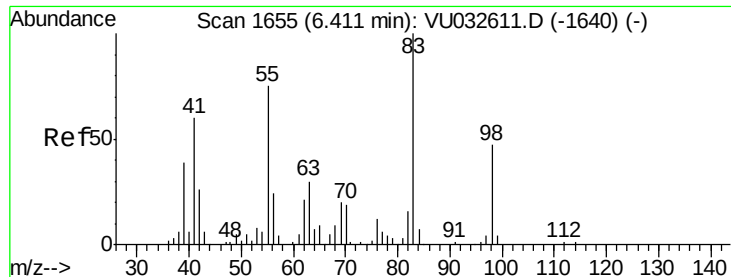
Tgt Ion: 62 Resp: 1058
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#34
 Trichloroethene
 Concen: 632.238 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032630.D
 Acq: 11 Jun 2019 23:05

Tgt Ion: 95 Resp: 761311
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.8 85.2
 132 98.2 71.0 131.8
 130 102.7 73.4 136.2

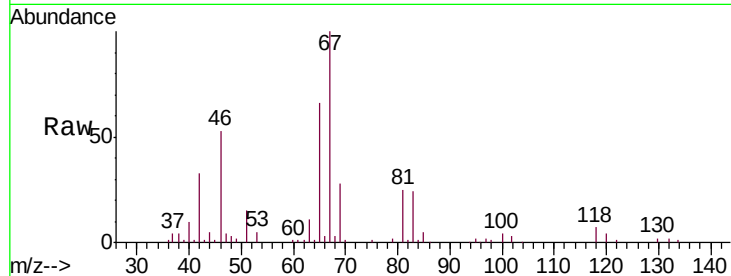




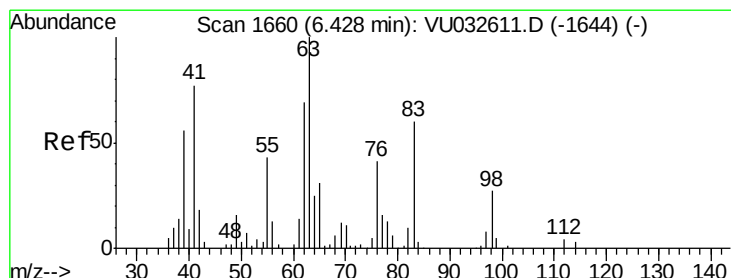
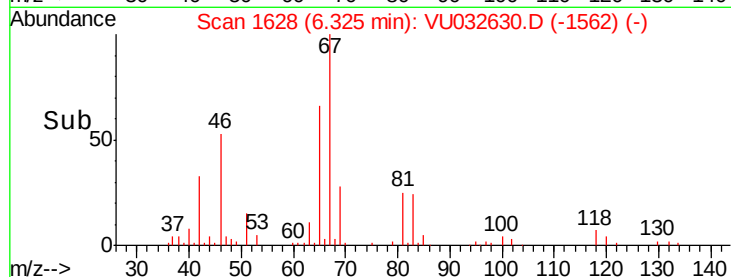
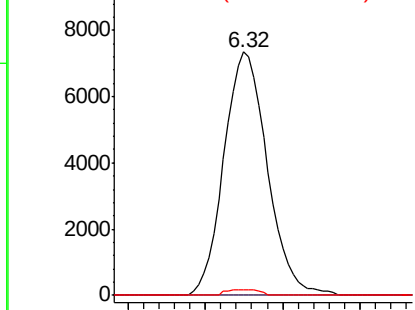
#35
Methylcyclohexane
Concen: 7.339 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.09 min
Lab File: VU032630.D
Acq: 11 Jun 2019 23:05

Instrument :
MSVOA_U
ClientSampleId :
DB8R2

Tgt Ion: 83 Resp: 14307
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 1.8 37.4 56.2#

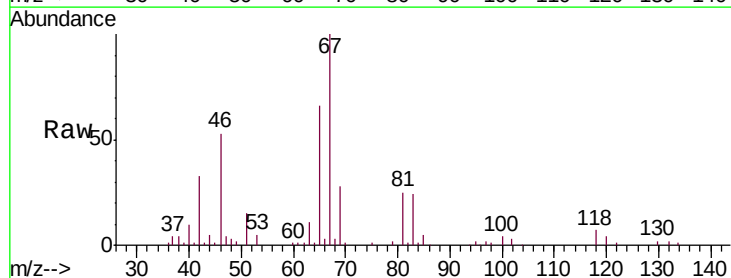


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

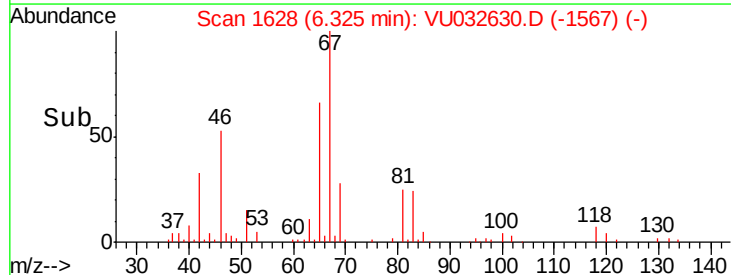
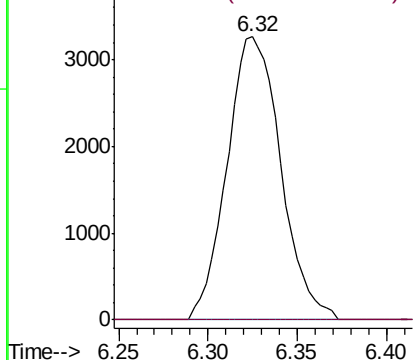


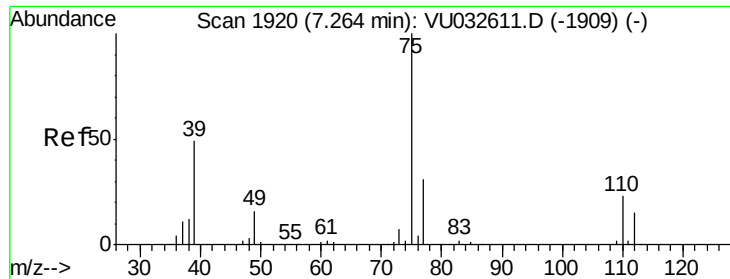
#37
1,2-Dichloropropane
Concen: 5.841 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032630.D
Acq: 11 Jun 2019 23:05

Tgt Ion: 63 Resp: 6853
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

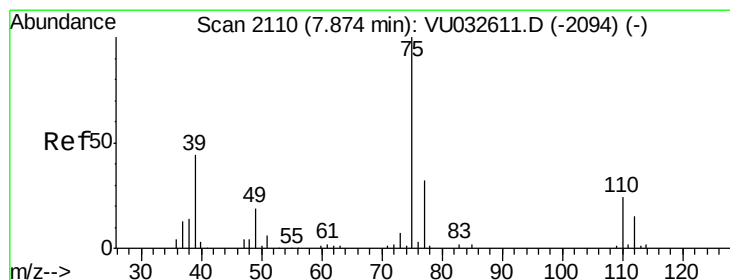
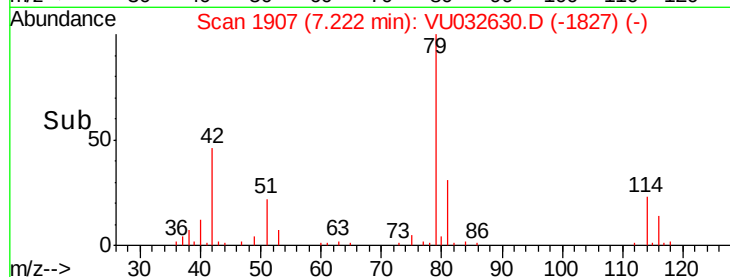
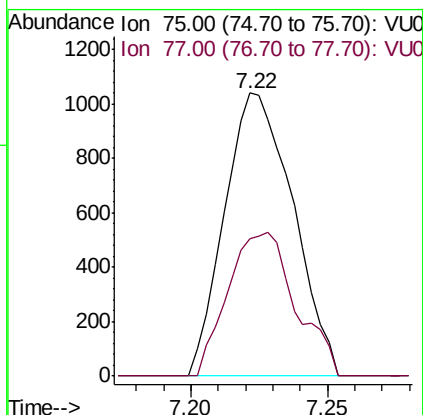
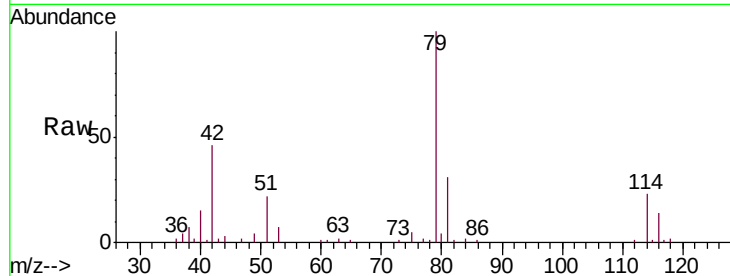




#39
 cis-1,3-Dichloropropene
 Concen: 0.978 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032630.D
 Acq: 11 Jun 2019 23:05

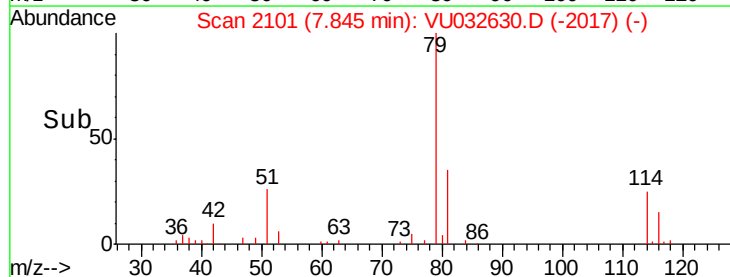
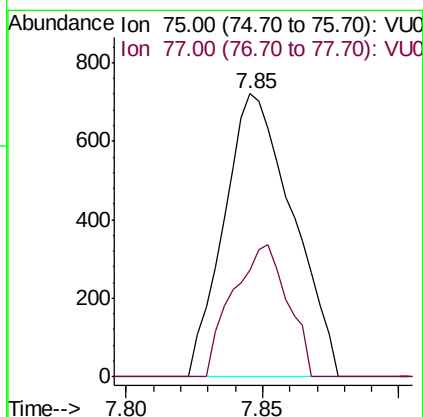
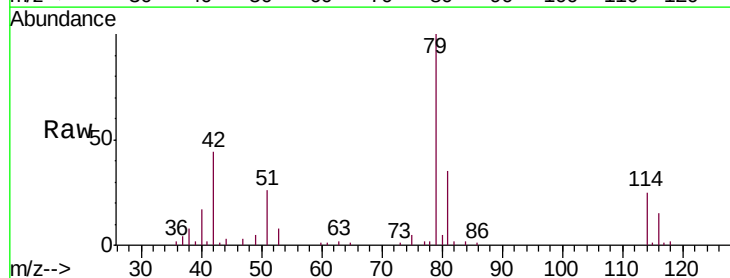
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8R2

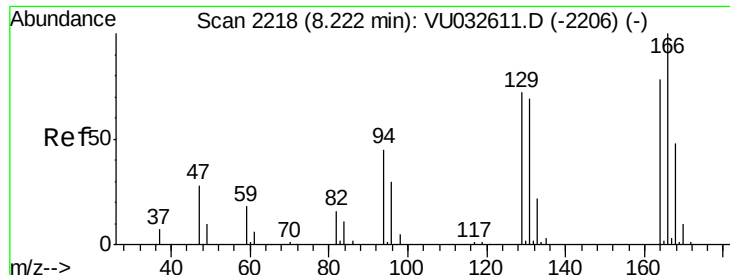
Tgt Ion: 75 Resp: 1811
 Ion Ratio Lower Upper
 75 100
 77 48.4 22.0 41.0#



#44
 trans-1,3-Dichloropropene
 Concen: 0.767 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU032630.D
 Acq: 11 Jun 2019 23:05

Tgt Ion: 75 Resp: 1260
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.1 41.1





#46

Tetrachloroethene

Concen: 1.581 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032630.D

Acq: 11 Jun 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

DB8R2

Tgt Ion:164 Resp: 1572

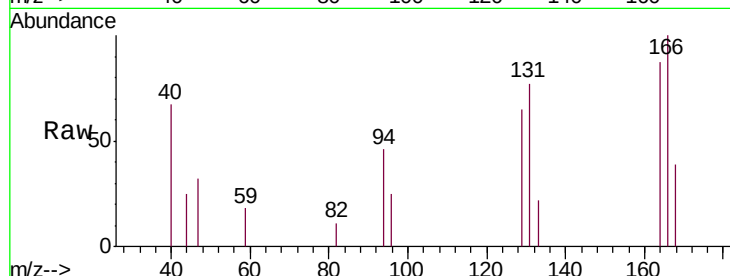
Ion Ratio Lower Upper

164 100

129 74.1 65.3 121.3

131 88.6 64.0 119.0

166 114.4 88.8 165.0

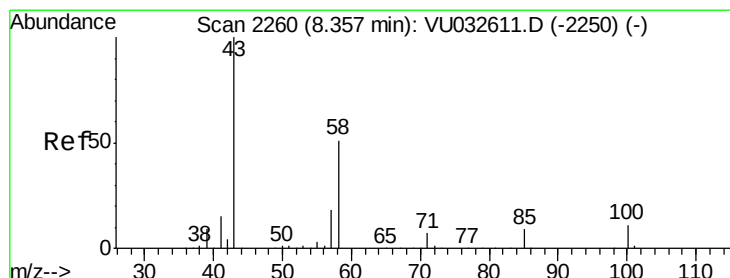
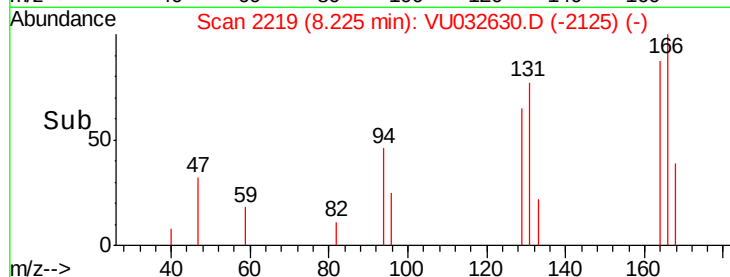
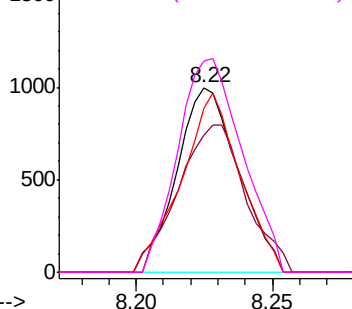


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.619 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU032630.D

Acq: 11 Jun 2019 23:05

Tgt Ion: 43 Resp: 5611

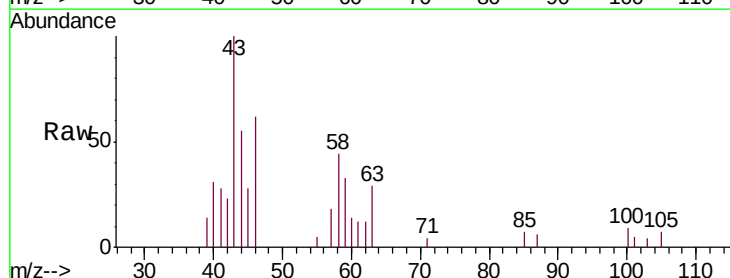
Ion Ratio Lower Upper

43 100

58 37.0 42.0 63.0#

57 9.5 14.6 22.0#

100 6.4 9.2 13.8#

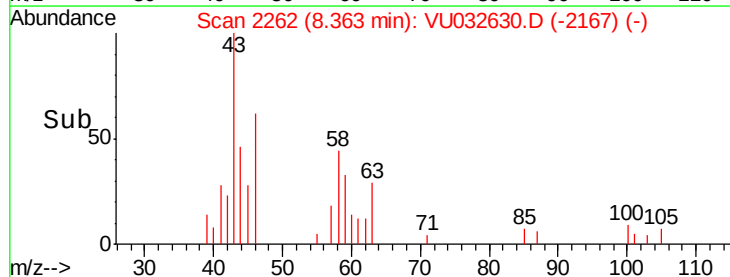
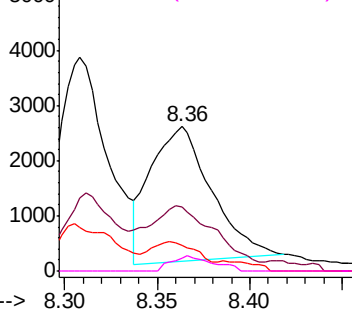


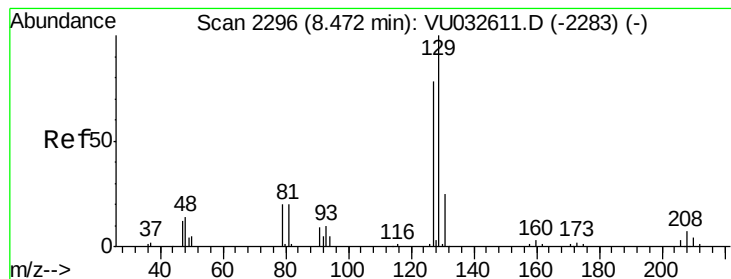
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 1.054 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU032630.D

Acq: 11 Jun 2019 23:05

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ClientSampleId :

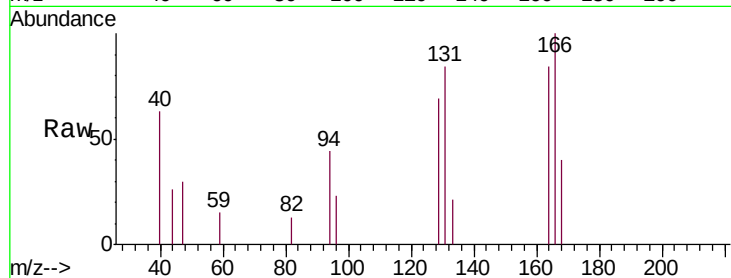
DB8R2

Tgt Ion:129 Resp: 1359

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

800

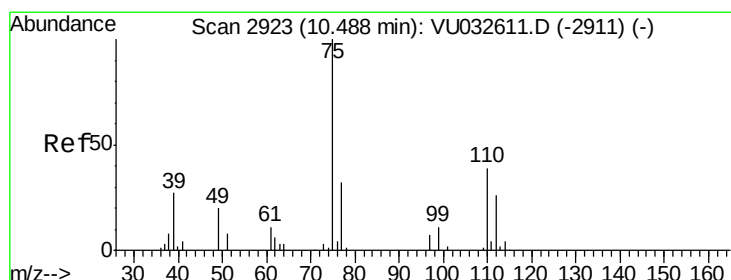
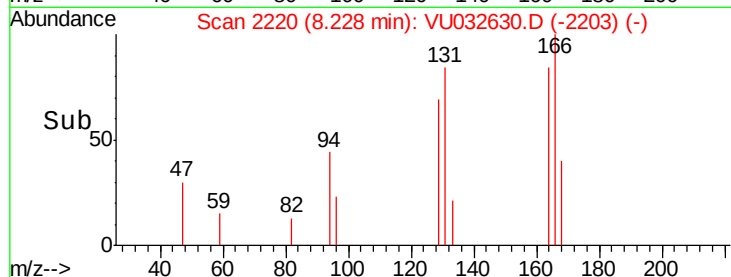
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.184 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032630.D

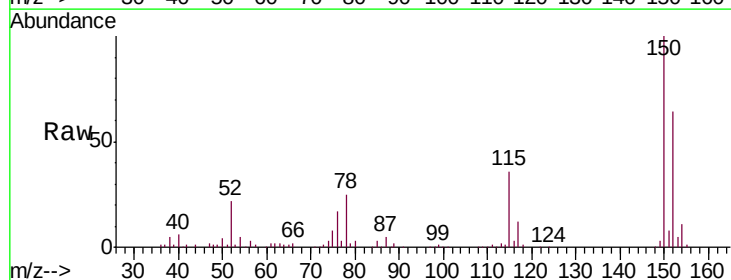
Acq: 11 Jun 2019 23:05

Tgt Ion: 75 Resp: 9432

Ion Ratio Lower Upper

75 100

77 37.8 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

5000

4000

3000

2000

1000

0

Time-->

