

Data File : VU036821.D
Acq On : 17 Feb 2020 19:53
Operator : JC/MD
Sample : L1539-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AK1

Quant Time: Feb 18 00:51:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	110638	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	105098	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36706	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.93	69	37186	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	55147	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.67	46	107266	53.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.52%
24) Chloroform-d	5.11	84	70296	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	40391	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.76	84	150685	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.73	67	49809	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	133052	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.21	79	16666	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.66	63	89203	49.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39530	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	41484	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	1640	0.216 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100874	13.516 ug/L	99
12) 1,1-Dichloroethene	2.61	96	7307	1.086 ug/L #	21
13) Acetone	2.66	43	5006	1.962 ug/L	95
15) Methyl Acetate	2.79	43	4532	1.339 ug/L #	52
19) 1,1-Dichloroethane	3.91	63	1359	0.093 ug/L #	90
22) cis-1,2-Dichloroethene	4.71	96	6926	0.824 ug/L	92
25) Chloroform	5.13	83	7038	0.453 ug/L	96
34) Trichloroethene	6.57	95	50998	6.177 ug/L	98
35) Methylcyclohexane	6.72	83	10994	0.839 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	5614	0.634 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1176	0.092 ug/L #	66
47) Tetrachloroethene	8.58	164	6169	1.098 ug/L	92
48) 2-Hexanone	8.66	43	11673	2.388 ug/L #	69
49) Dibromochloromethane	8.58	129	5930	0.931 ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	6094	1.043 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021720\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 18 00:46:02 2020
Response via : Initial Calibration

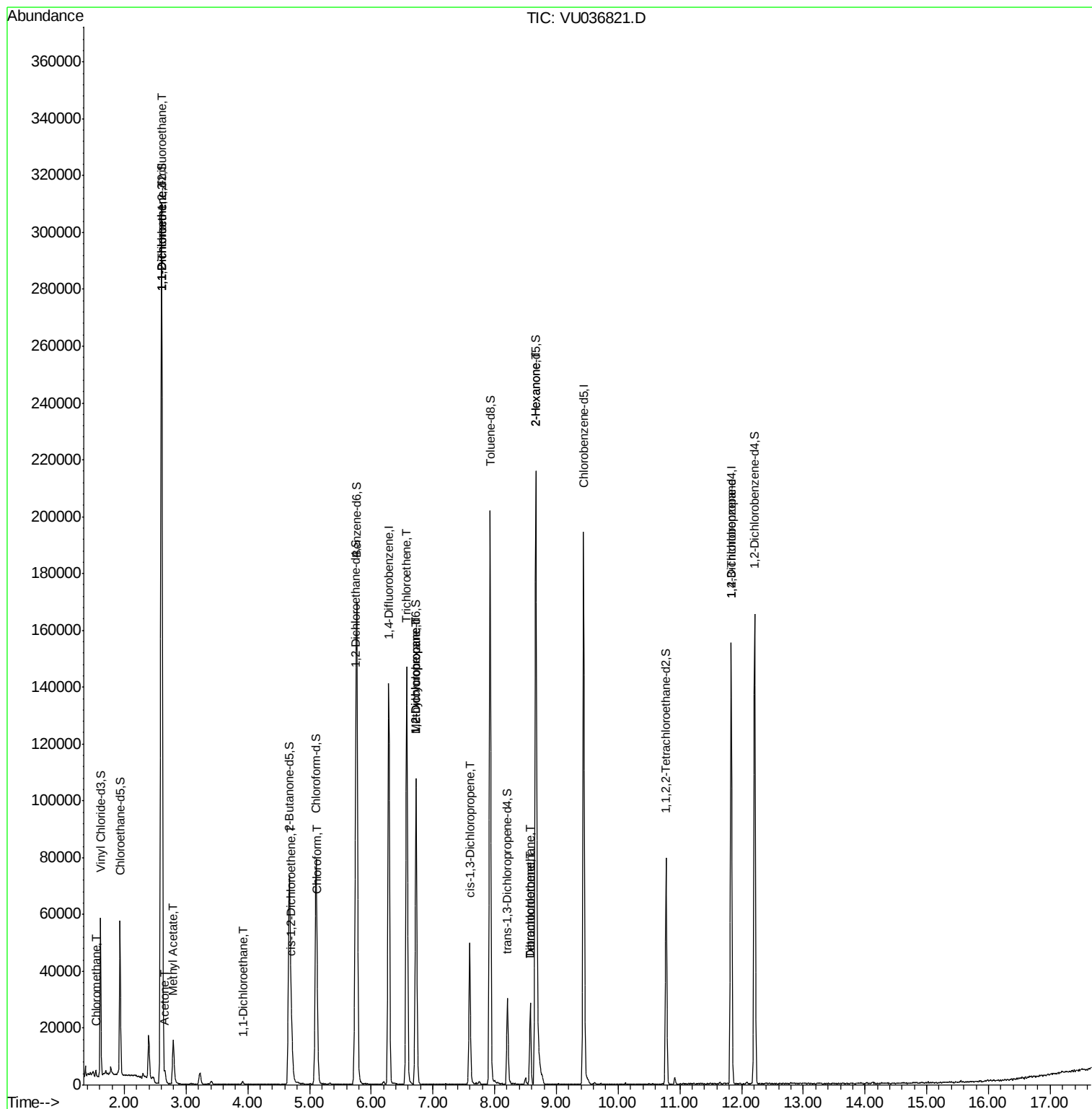
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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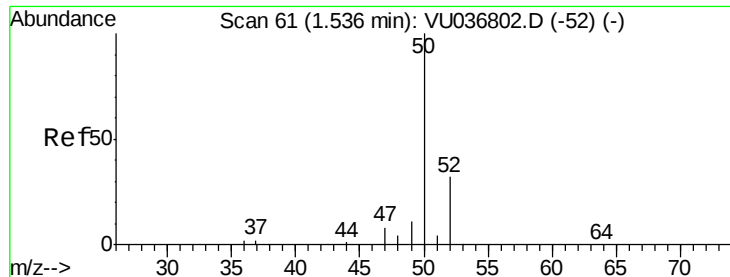
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.216 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

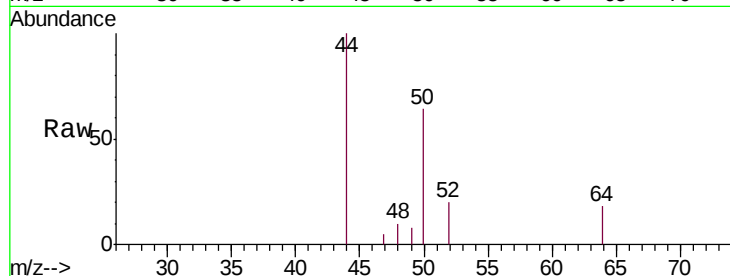
C0AK1

Tgt Ion: 50 Resp: 1640

Ion Ratio Lower Upper

50 100

52 31.1 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036821.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036821.D (-1) (-)

1.54

1500

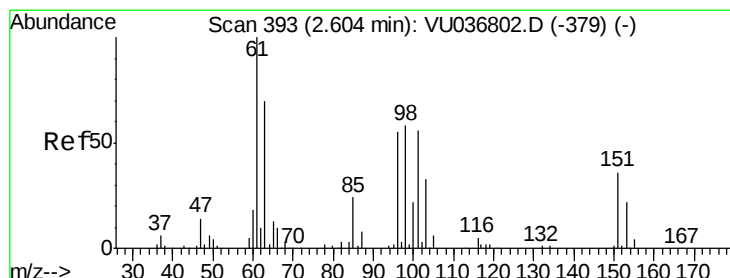
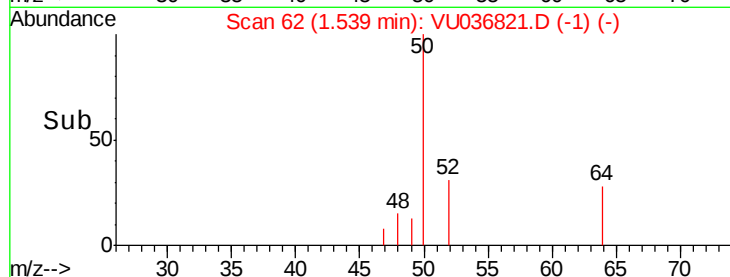
1000

500

0

1.50 1.52 1.54 1.56 1.58

Time-->



#10

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

Concen: 13.516 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

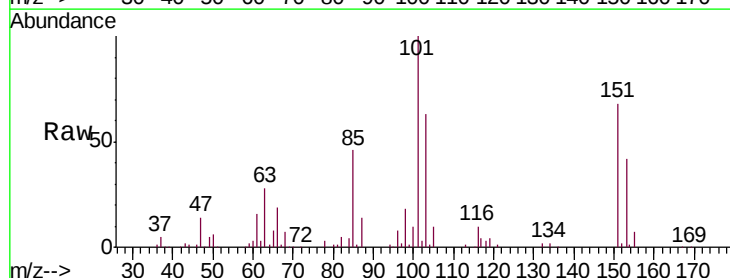
Tgt Ion: 101 Resp: 100874

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

151 66.7 54.0 81.0



Abundance Ion 101.00 (100.70 to 101.70): VU036821.D (-300) (-)

Ion 85.00 (84.70 to 85.70): VU036821.D (-300) (-)

Ion 151.00 (150.70 to 151.70): VU036821.D (-300) (-)

2.61

60000

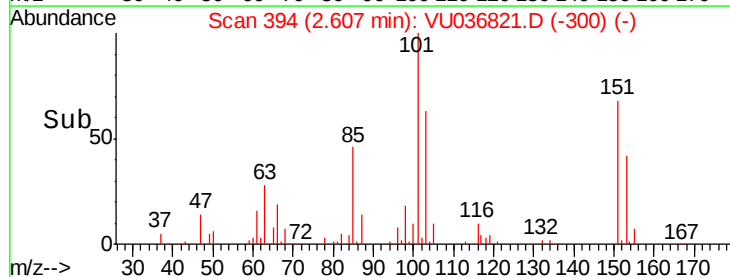
40000

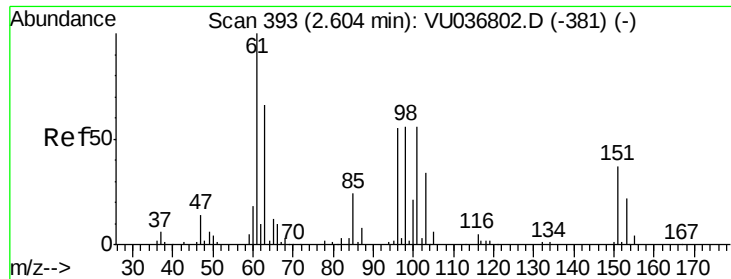
20000

0

2.55 2.60 2.65 2.70

Time-->

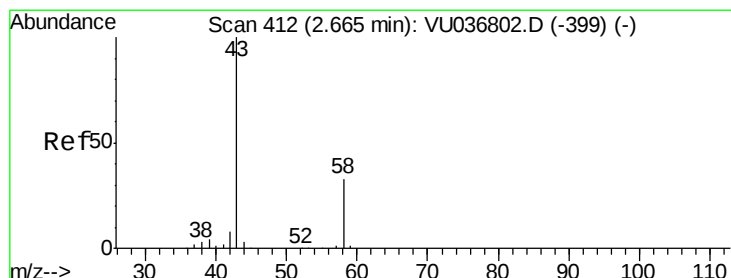
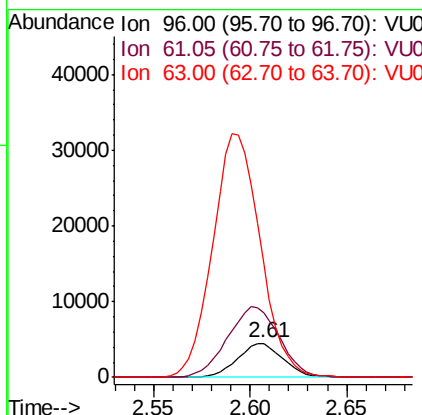
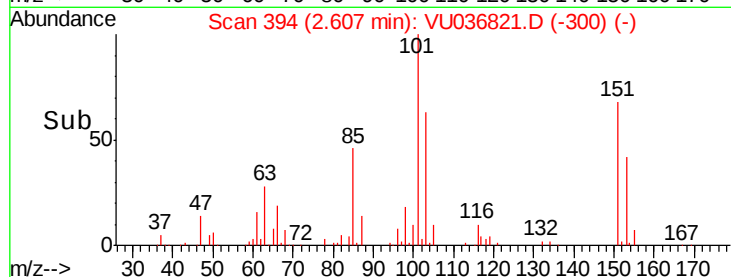
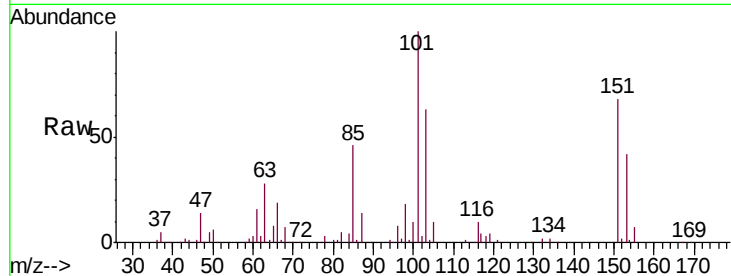




#12
 1,1-Dichloroethene
 Concen: 1.086 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

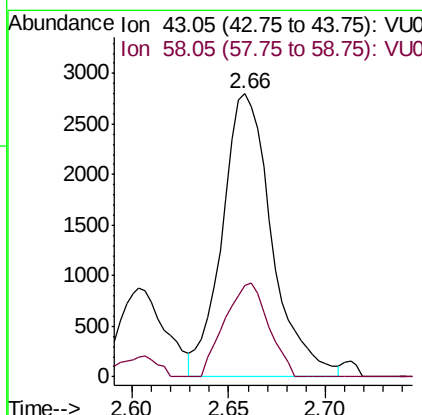
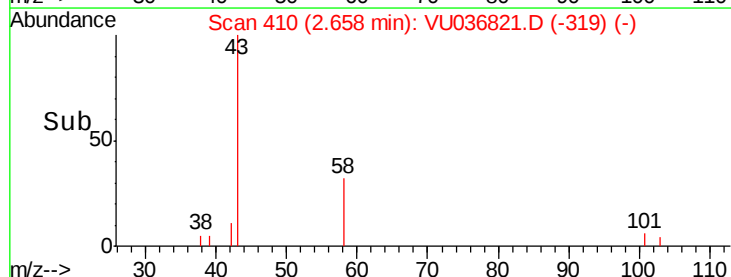
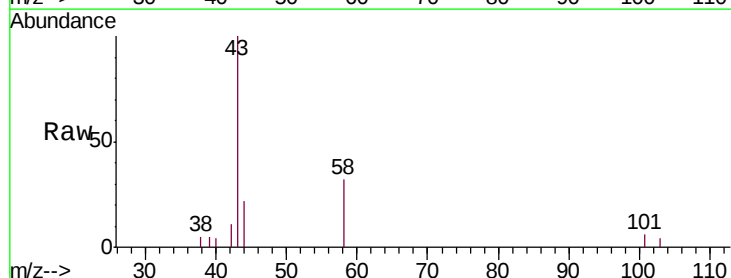
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

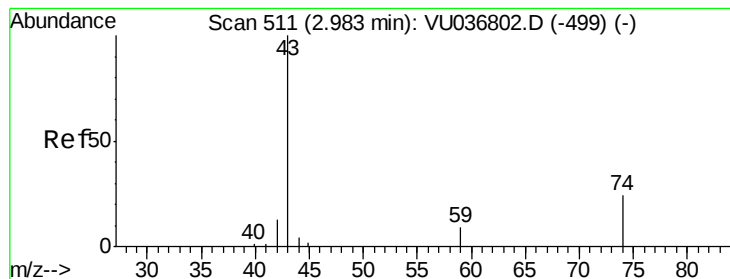
Tgt Ion: 96 Resp: 7307
 Ion Ratio Lower Upper
 96 100
 61 190.8 126.4 234.8
 63 336.0 89.5 166.3#



#13
 Acetone
 Concen: 1.962 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

Tgt Ion: 43 Resp: 5006
 Ion Ratio Lower Upper
 43 100
 58 29.3 0.0 64.2





#15

Methyl Acetate

Concen: 1.339 ug/L

RT: 2.79 min Scan# 452

Delta R.T. -0.19 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

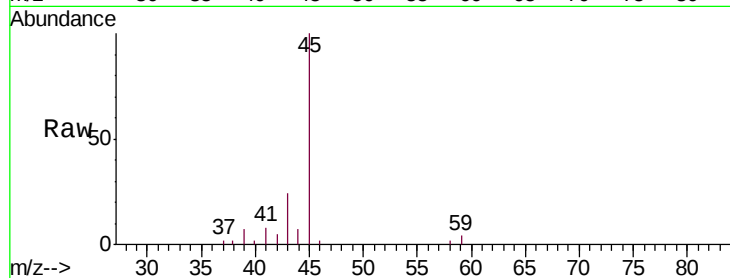
C0AK1

Tgt Ion: 43 Resp: 4532

Ion Ratio Lower Upper

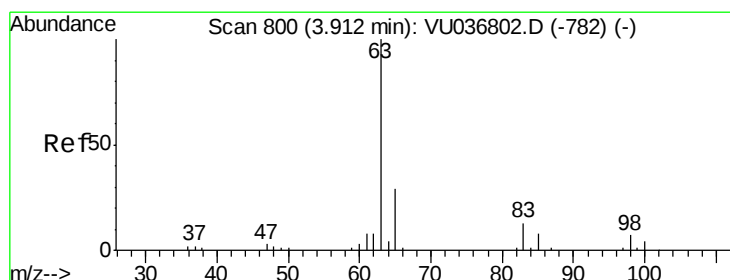
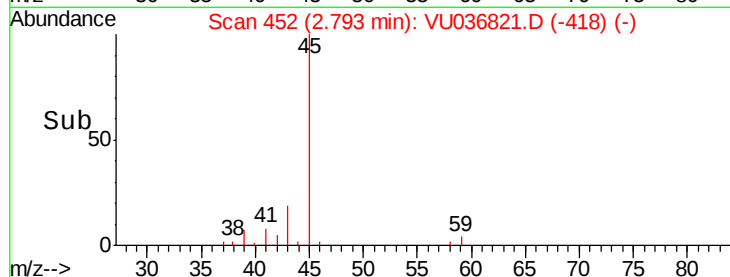
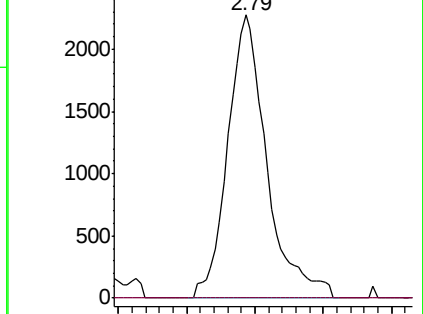
43 100

74 0.0 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VU036821.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VU036821.D (-418) (-)



#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

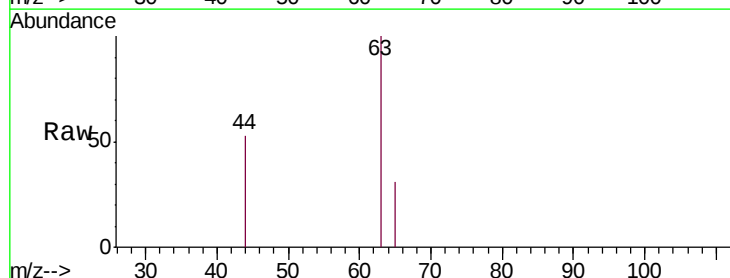
Tgt Ion: 63 Resp: 1359

Ion Ratio Lower Upper

63 100

65 31.2 21.6 40.2

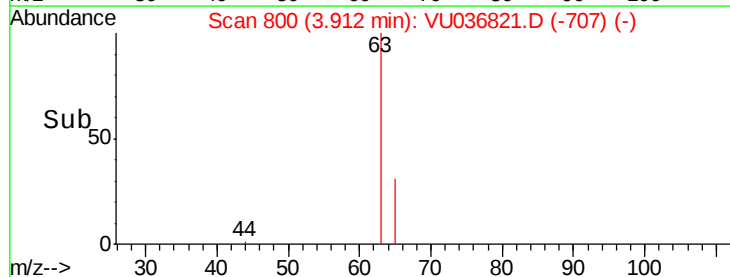
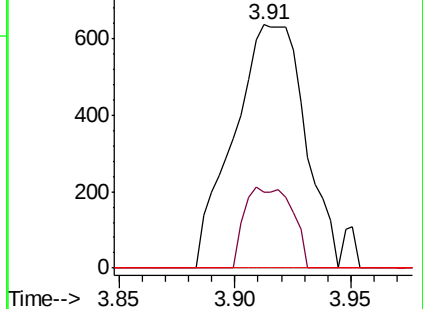
83 0.0 8.8 16.3#

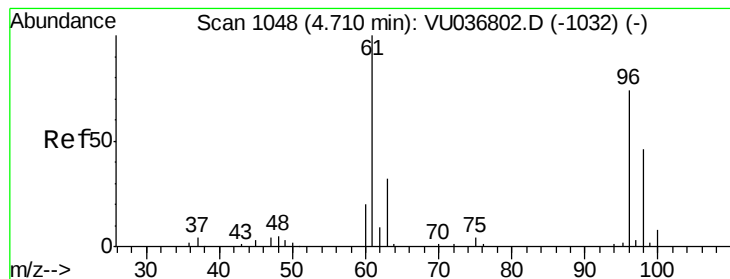


Abundance Ion 63.10 (62.80 to 63.80): VU036821.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU036821.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU036821.D (-707) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.824 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

C0AK1

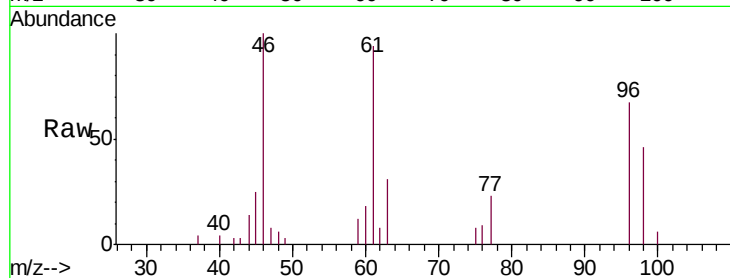
Tgt Ion: 96 Resp: 6926

Ion Ratio Lower Upper

96 100

61 139.9 91.2 169.4

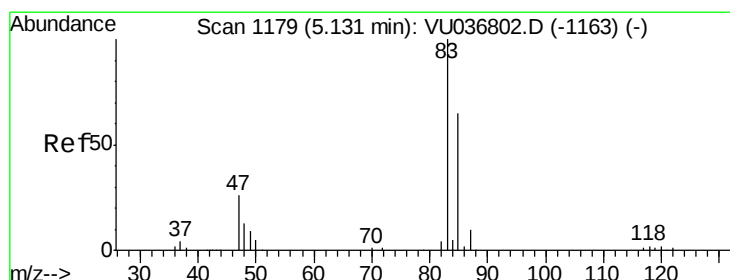
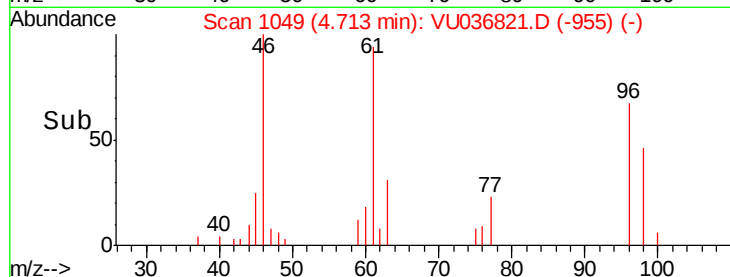
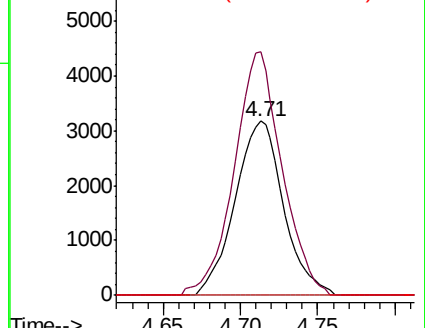
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036821.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036821.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036821.D (-1032) (-)



#25

Chloroform

Concen: 0.453 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VU036821.D

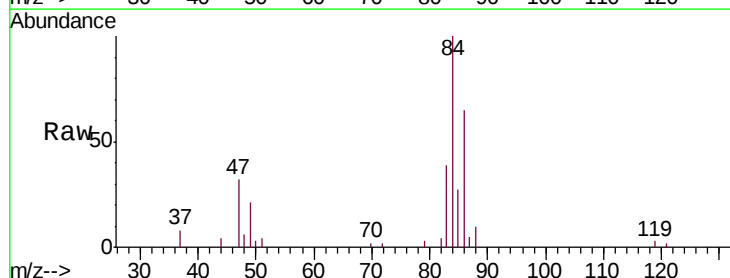
Acq: 17 Feb 2020 19:53

Tgt Ion: 83 Resp: 7038

Ion Ratio Lower Upper

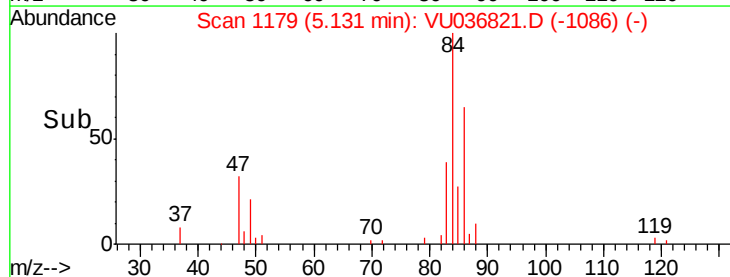
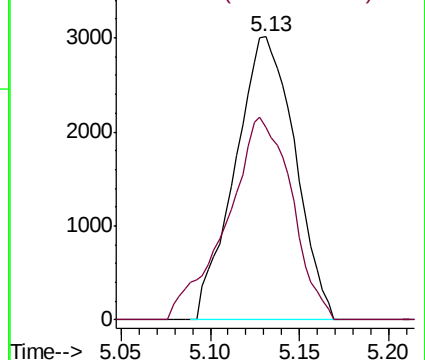
83 100

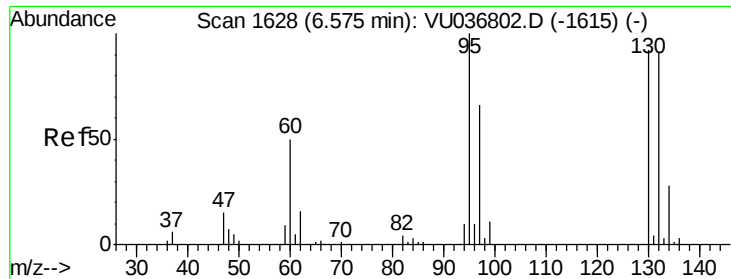
85 68.0 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036821.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU036821.D (-1086) (-)





#34

Trichloroethene

Concen: 6.177 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampleId :

C0AK1

Tgt Ion: 95 Resp: 50998

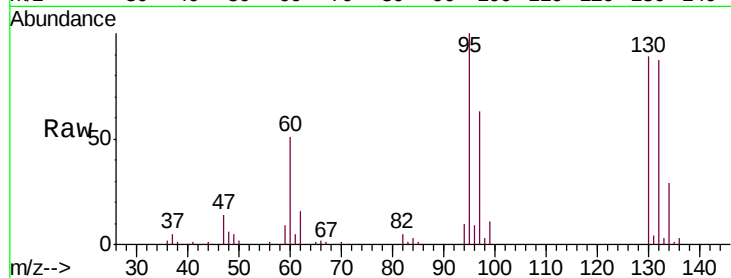
Ion Ratio Lower Upper

95 100

97 63.2 45.6 84.8

132 87.1 62.8 116.6

130 89.3 63.8 118.4

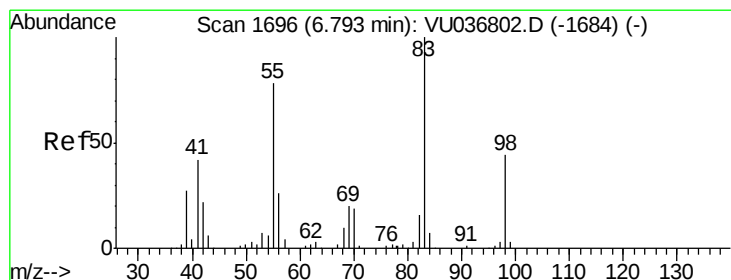
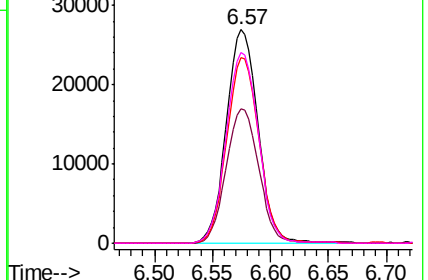
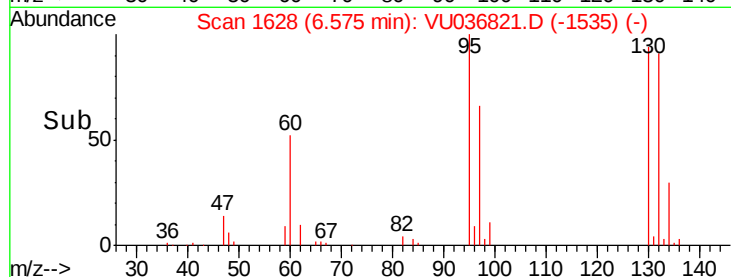


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.839 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

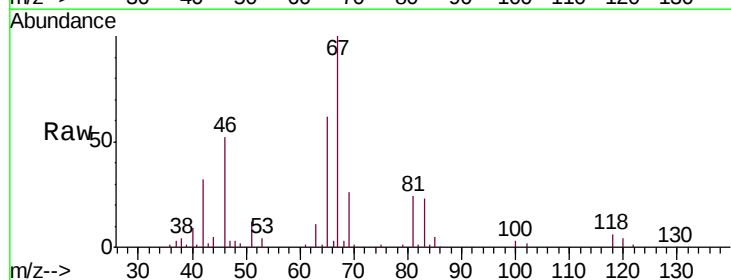
Tgt Ion: 83 Resp: 10994

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.4#

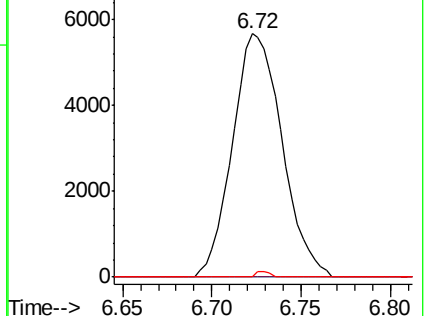
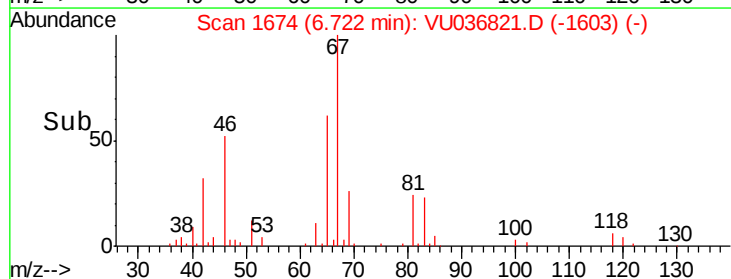
98 0.6 34.2 51.4#

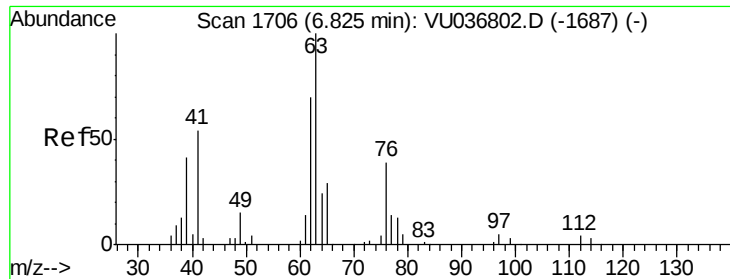


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

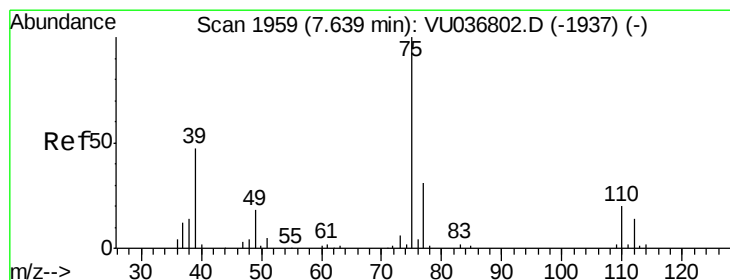
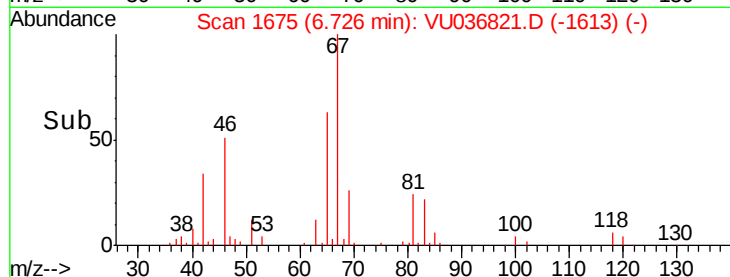
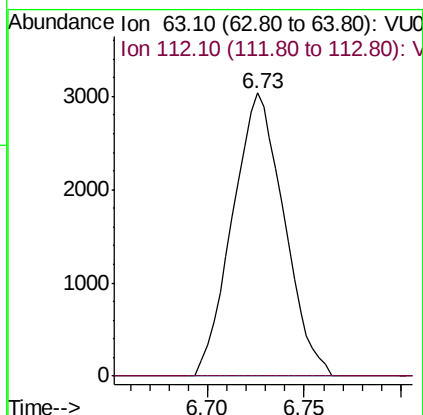
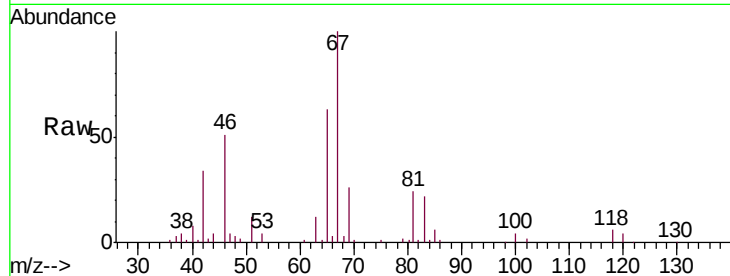




#37
 1,2-Dichloropropane
 Concen: 0.634 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

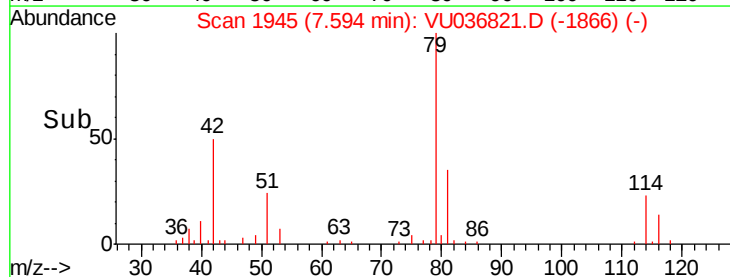
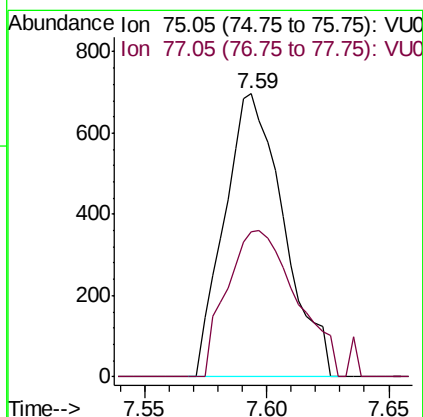
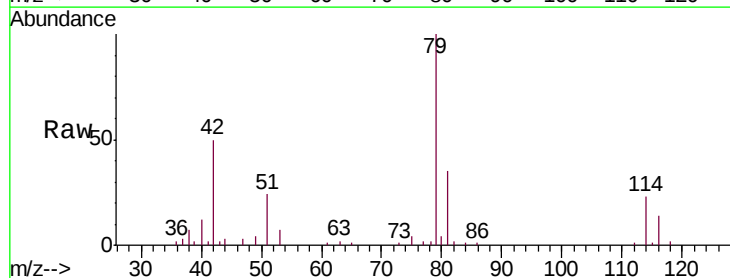
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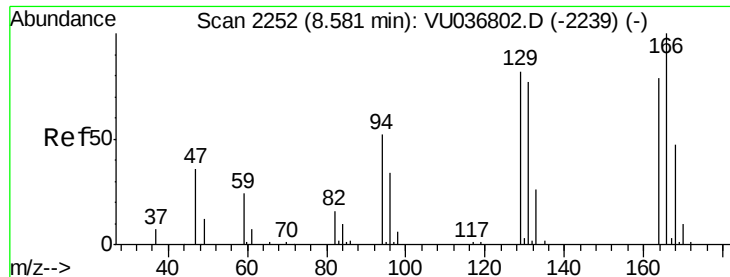
Tgt Ion: 63 Resp: 5614
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.05 min
 Lab File: VU036821.D
 Acq: 17 Feb 2020 19:53

Tgt Ion: 75 Resp: 1176
 Ion Ratio Lower Upper
 75 100
 77 51.1 22.5 41.9#

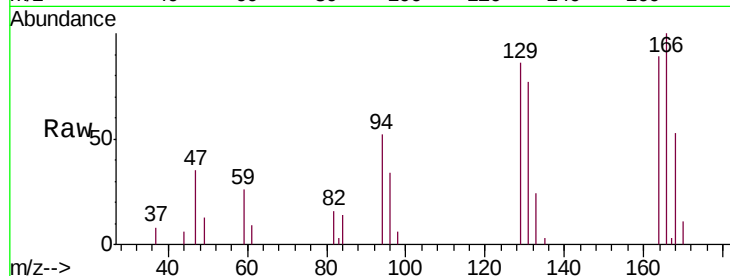




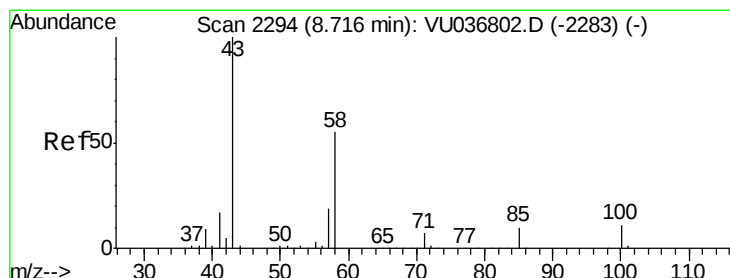
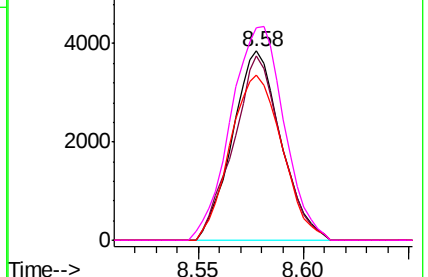
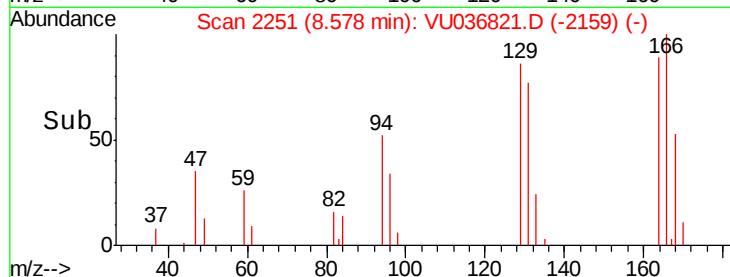
#47
Tetrachloroethene
Concen: 1.098 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU036821.D
Acq: 17 Feb 2020 19:53

Instrument :
MSVOA_U
ClientSampleId :
C0AK1

Tgt Ion:164 Resp: 6169
Ion Ratio Lower Upper
164 100
129 97.4 68.0 126.4
131 87.2 69.4 128.8
166 112.7 86.6 160.8

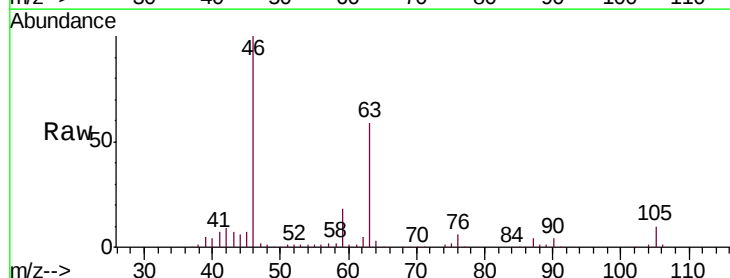


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

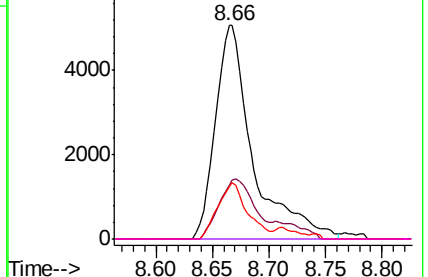
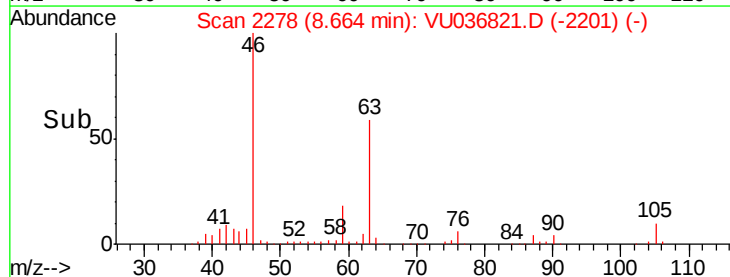


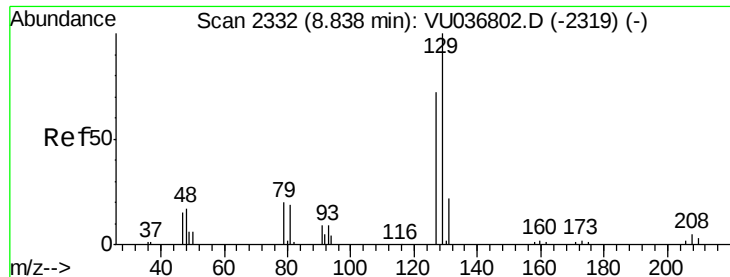
#48
2-Hexanone
Concen: 2.388 ug/L
RT: 8.66 min Scan# 2278
Delta R.T. -0.05 min
Lab File: VU036821.D
Acq: 17 Feb 2020 19:53

Tgt Ion: 43 Resp: 11673
Ion Ratio Lower Upper
43 100
58 26.0 43.6 65.4#
57 21.2 15.0 22.4
100 0.0 9.0 13.6#



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





#49

Dibromochloromethane

Concen: 0.931 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.26 min

Lab File: VU036821.D

Acq: 17 Feb 2020 19:53

Instrument :

MSVOA_U

ClientSampled :

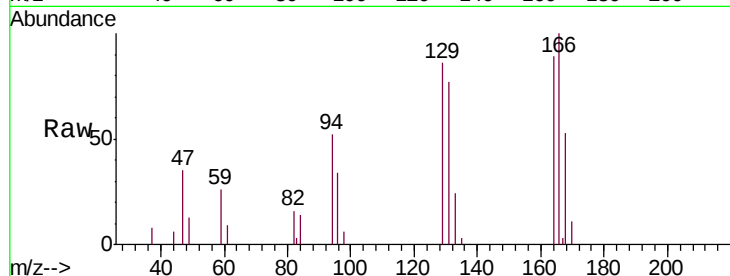
C0AK1

Tgt Ion:129 Resp: 5930

Ion Ratio Lower Upper

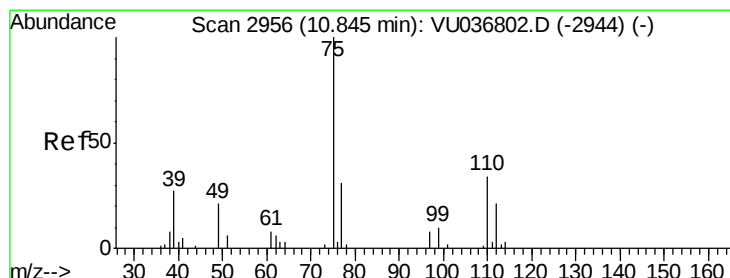
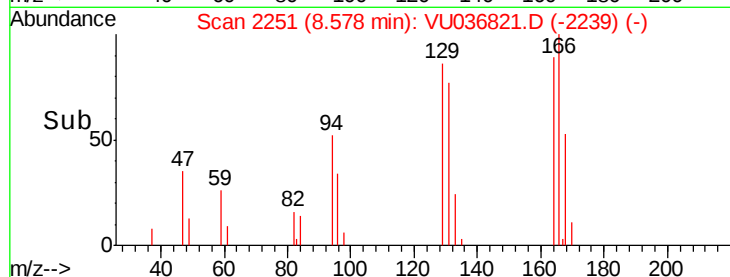
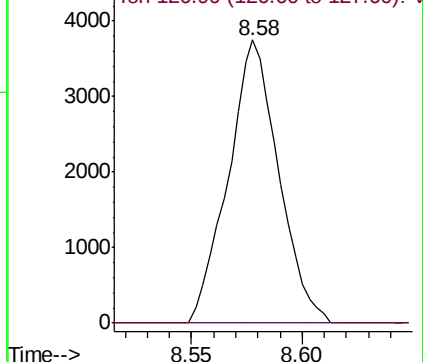
129 100

127 0.0 56.7 105.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.043 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.99 min

Lab File: VU036821.D

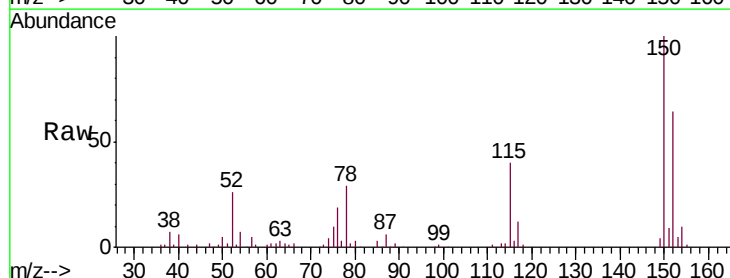
Acq: 17 Feb 2020 19:53

Tgt Ion: 75 Resp: 6094

Ion Ratio Lower Upper

75 100

77 33.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

