

Data File : VU036823.D
Acq On : 17 Feb 2020 20:43
Operator : JC/MD
Sample : L1539-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AK6

Quant Time: Feb 18 00:51:28 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	113663	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	106521	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	40873	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36555	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	37101	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	51954	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.67	46	106711	52.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.12%
24) Chloroform-d	5.11	84	68916	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.74	65	40338	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.76	84	150539	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.73	67	49705	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.92	98	133345	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.20	79	16673	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.66	63	86529	47.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.86%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	38483	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	40129	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

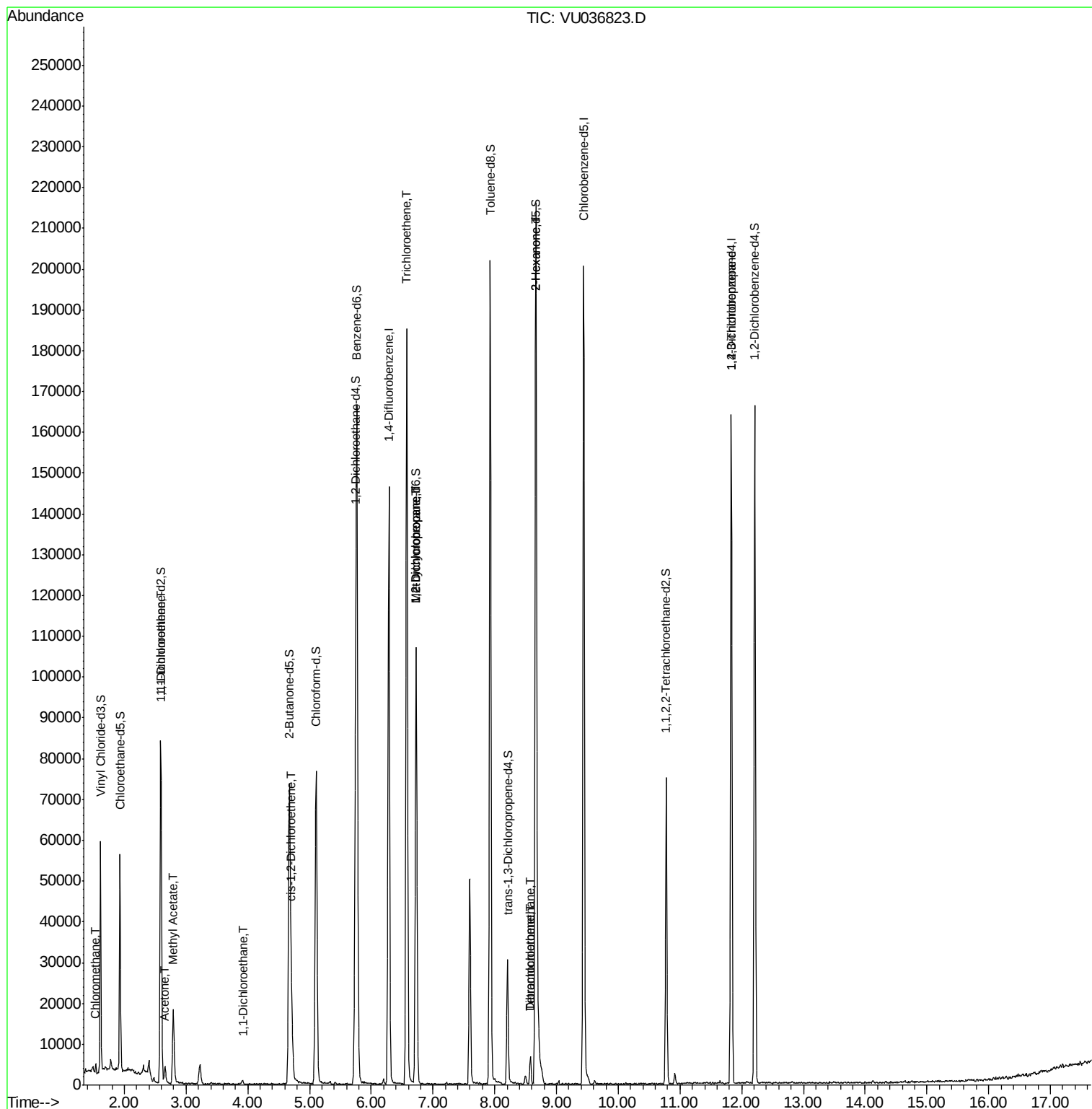
					Qvalue
3) Chloromethane	1.54	50	1775	0.227 ug/L	99
12) 1,1-Dichloroethene	2.60	96	894	0.129 ug/L #	1
13) Acetone	2.66	43	4994	1.905 ug/L	91
15) Methyl Acetate	2.79	43	4915	1.413 ug/L #	52
19) 1,1-Dichloroethane	3.92	63	1221	0.082 ug/L #	90
22) cis-1,2-Dichloroethene	4.71	96	7229	0.837 ug/L	94
34) Trichloroethene	6.57	95	64190	7.671 ug/L	97
35) Methylcyclohexane	6.73	83	11352	0.855 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	5452	0.608 ug/L #	89
47) Tetrachloroethene	8.58	164	1343	0.236 ug/L	92
48) 2-Hexanone	8.67	43	12648	2.553 ug/L #	68
49) Dibromochloromethane	8.58	129	1366	0.212 ug/L #	9
59) 1,2,3-Trichloropropane	11.83	75	5991	1.011 ug/L	91

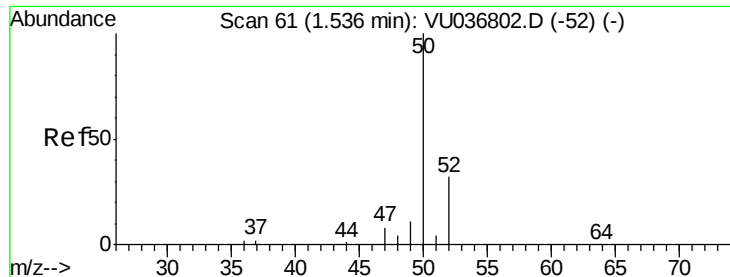
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.227 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

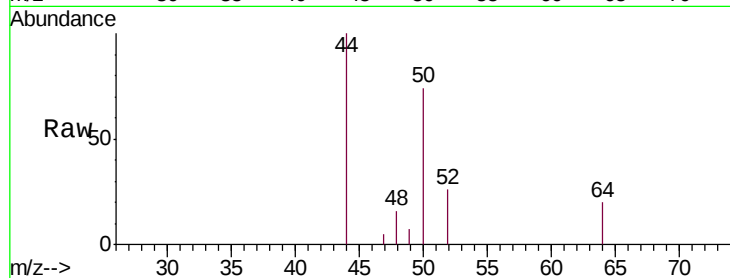
C0AK6

Tgt Ion: 50 Resp: 1775

Ion Ratio Lower Upper

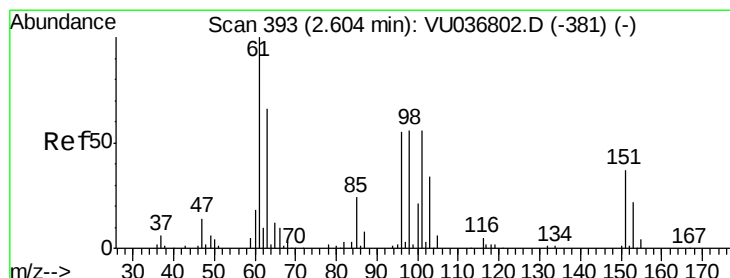
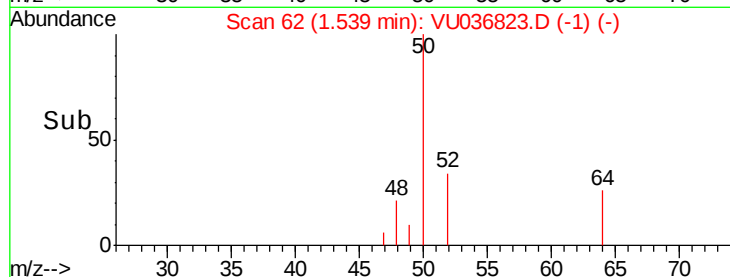
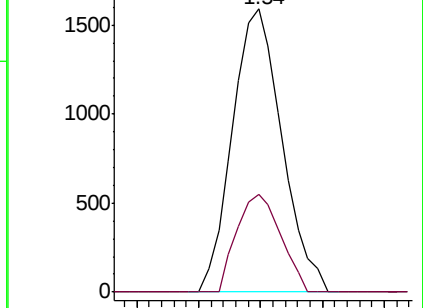
50 100

52 34.5 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036823.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036823.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

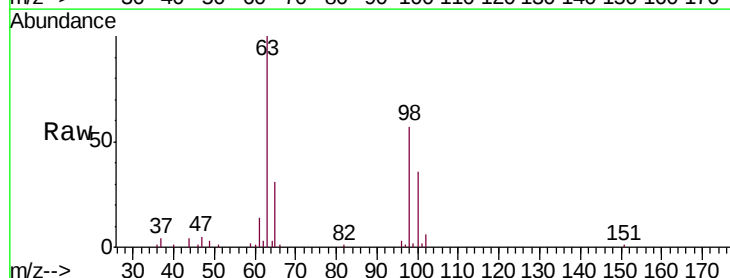
Tgt Ion: 96 Resp: 894

Ion Ratio Lower Upper

96 100

61 442.1 126.4 234.8#

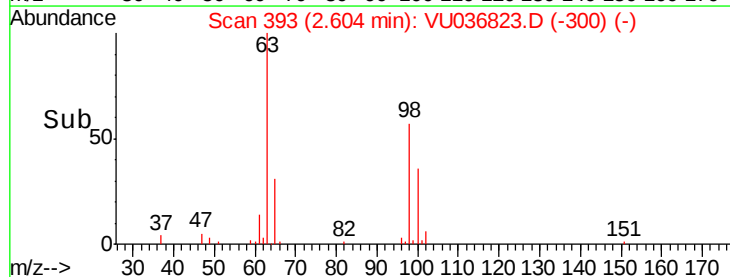
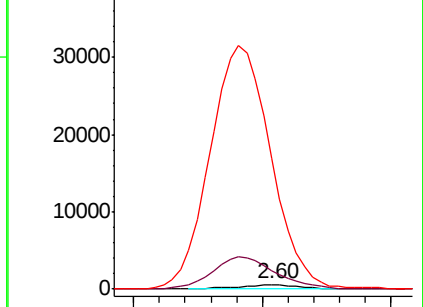
63 3064.0 89.5 166.3#

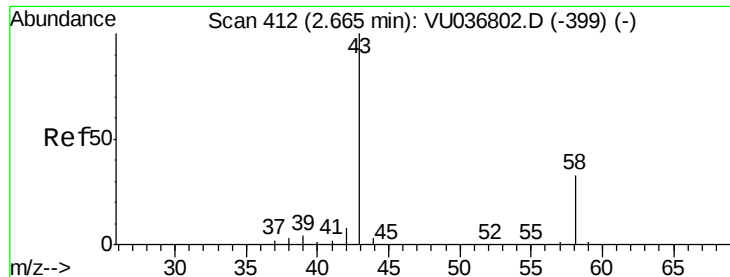


Abundance Ion 96.00 (95.70 to 96.70): VU036823.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU036823.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU036823.D (-300) (-)





#13

Acetone

Concen: 1.905 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

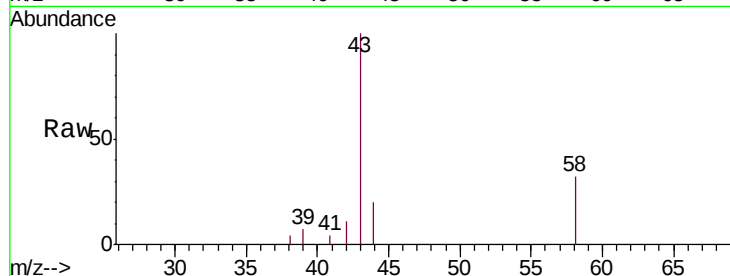
C0AK6

Tgt Ion: 43 Resp: 4994

Ion Ratio Lower Upper

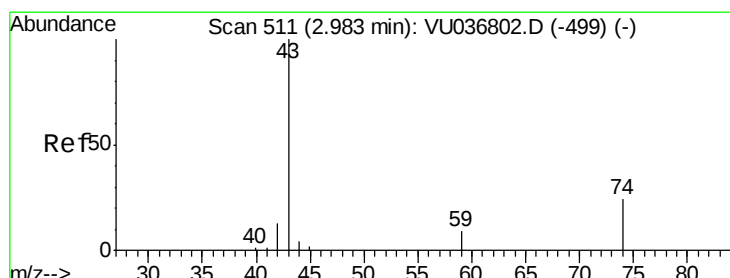
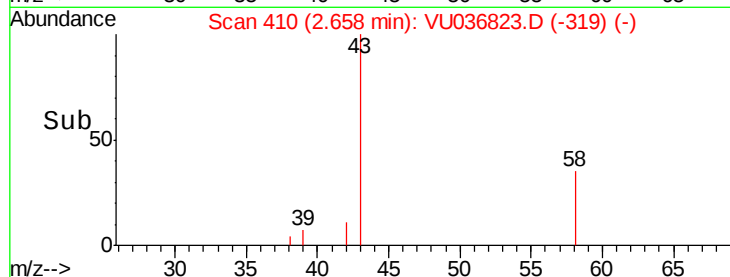
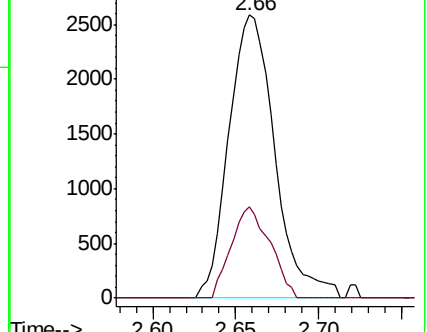
43 100

58 27.3 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036823.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU036823.D (-410) (-)



#15

Methyl Acetate

Concen: 1.413 ug/L

RT: 2.79 min Scan# 452

Delta R.T. -0.19 min

Lab File: VU036823.D

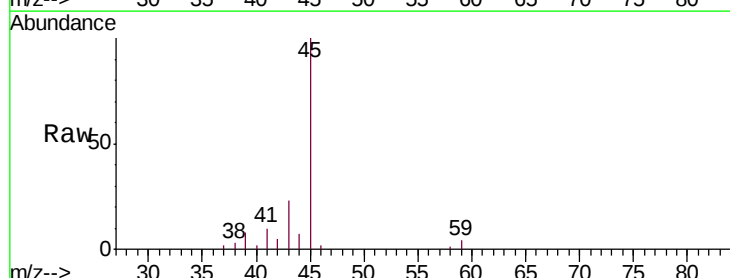
Acq: 17 Feb 2020 20:43

Tgt Ion: 43 Resp: 4915

Ion Ratio Lower Upper

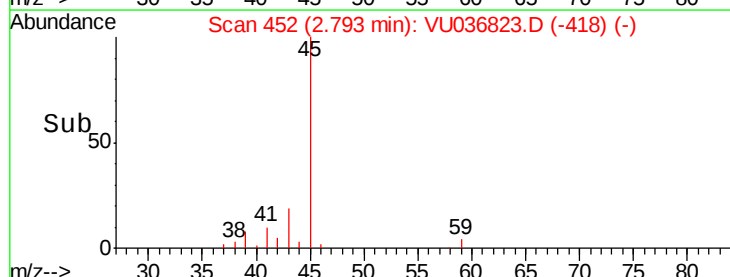
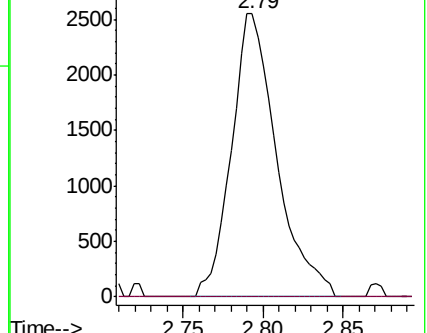
43 100

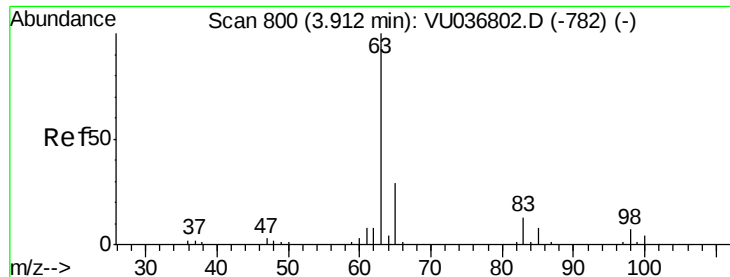
74 0.0 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VU036823.D (-410) (-)

Ion 74.05 (73.75 to 74.75): VU036823.D (-410) (-)

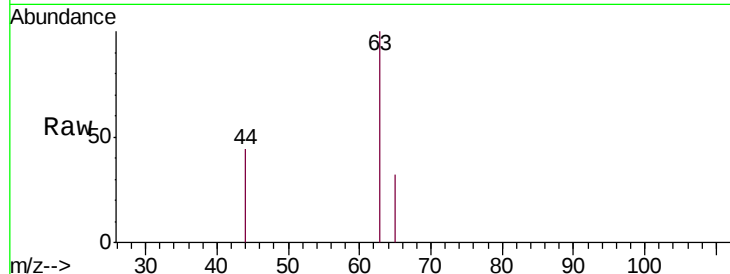




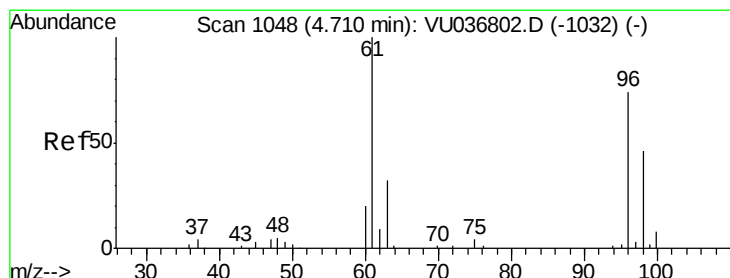
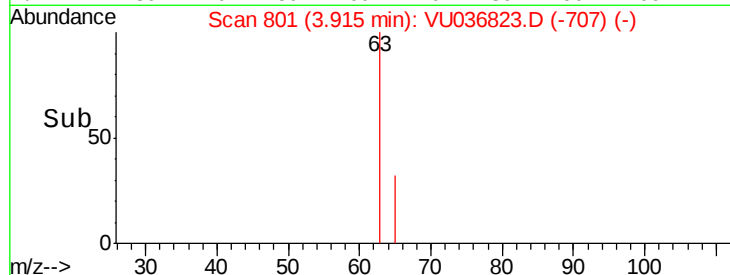
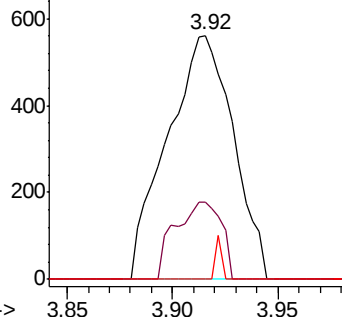
#19
 1,1-Dichloroethane
 Concen: 0.082 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036823.D
 Acq: 17 Feb 2020 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6

Tgt Ion: 63 Resp: 1221
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.2
 83 0.0 8.8 16.3#

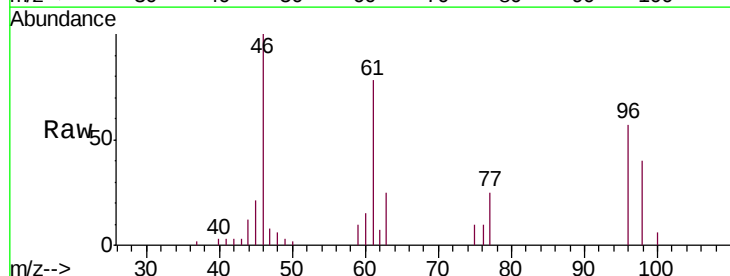


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

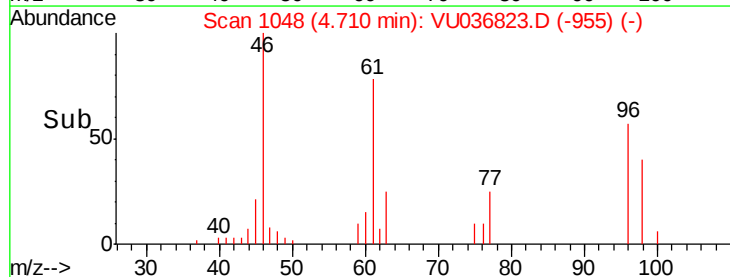
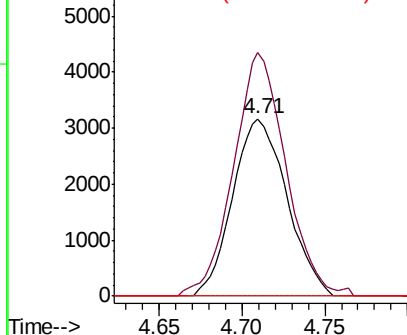


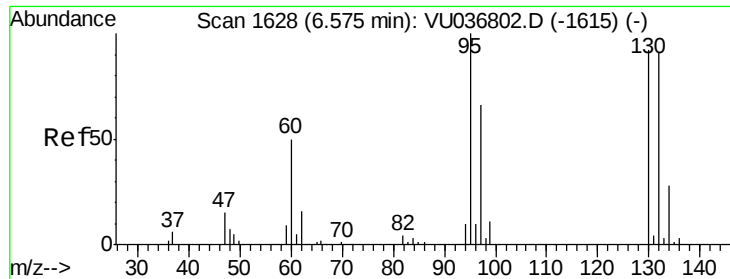
#22
 cis-1,2-Dichloroethene
 Concen: 0.837 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036823.D
 Acq: 17 Feb 2020 20:43

Tgt Ion: 96 Resp: 7229
 Ion Ratio Lower Upper
 96 100
 61 137.1 91.2 169.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 7.671 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

C0AK6

Tgt Ion: 95 Resp: 64190

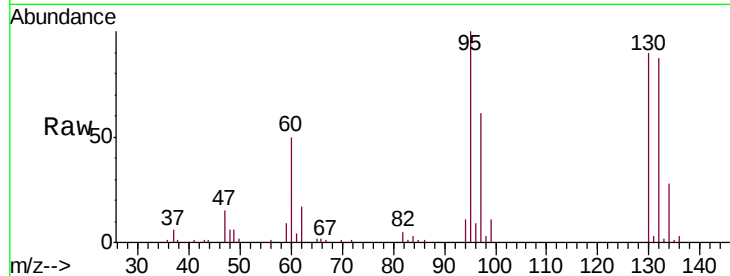
Ion Ratio Lower Upper

95 100

97 60.8 45.6 84.8

132 86.8 62.8 116.6

130 89.6 63.8 118.4

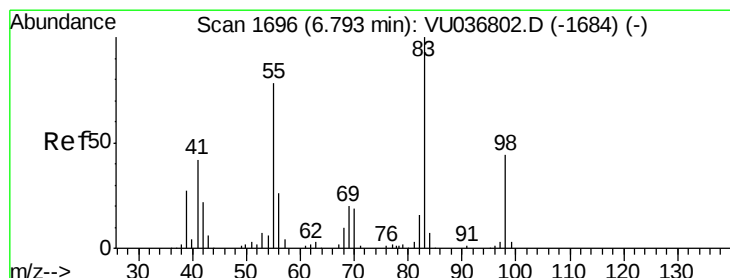
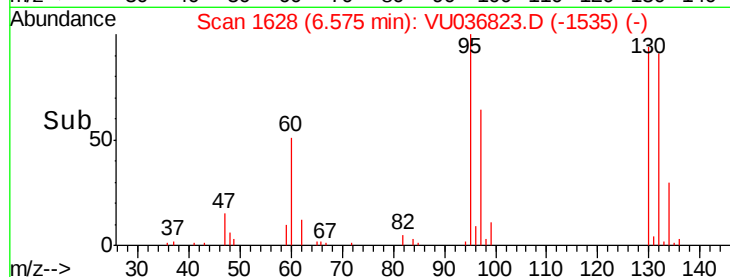
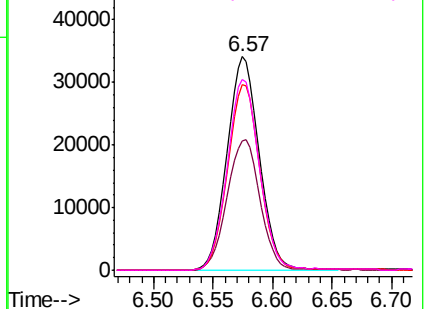


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.855 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

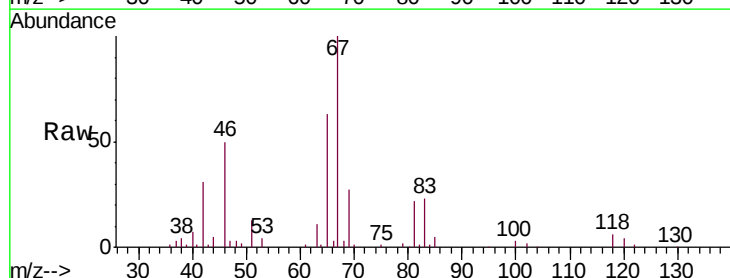
Tgt Ion: 83 Resp: 11352

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.4#

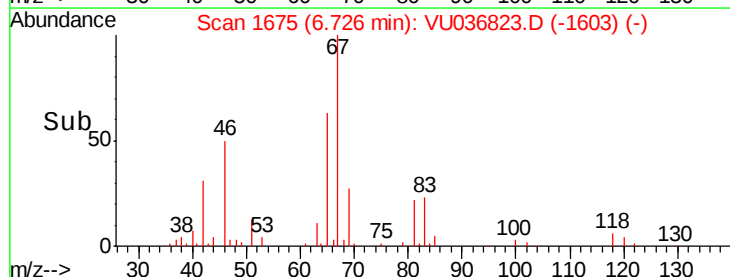
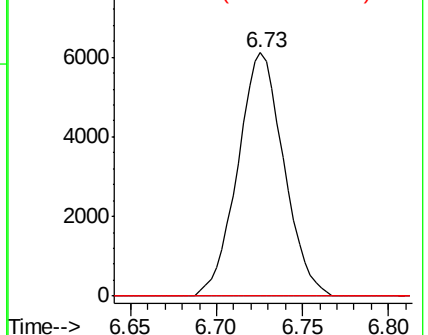
98 0.0 34.2 51.4#

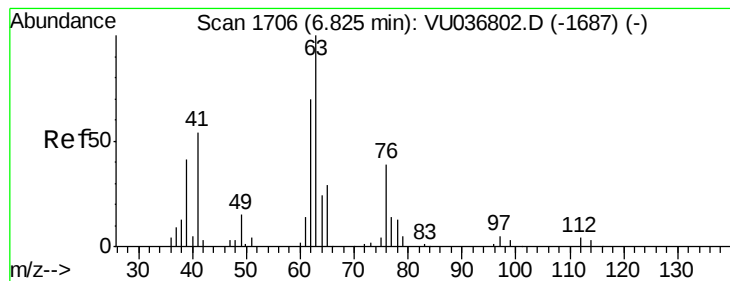


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.608 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

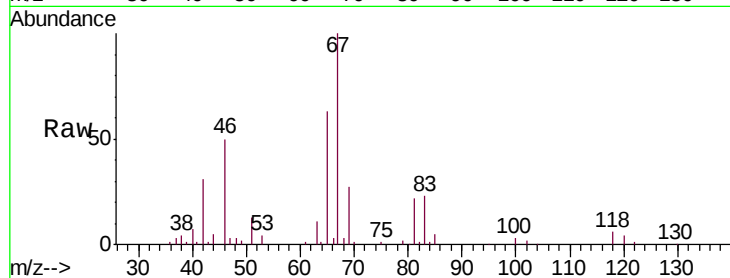
C0AK6

Tgt Ion: 63 Resp: 5452

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU036823.D (-1613) (-)

Ion 112.10 (111.80 to 112.80): VU036823.D (-1613) (-)

6.73

3000

2500

2000

1500

1000

500

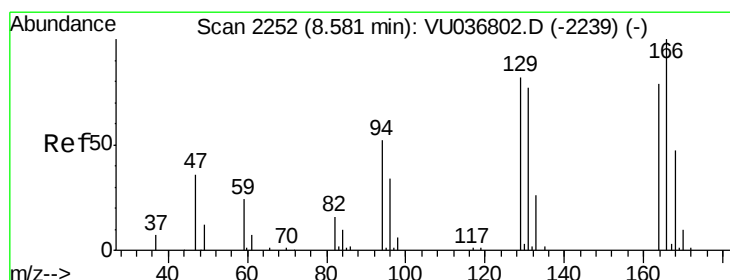
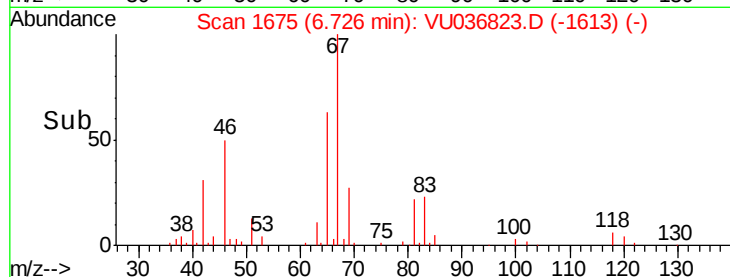
0

6.65

6.70

6.75

Time-->



#47

Tetrachloroethene

Concen: 0.236 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Tgt Ion: 164 Resp: 1343

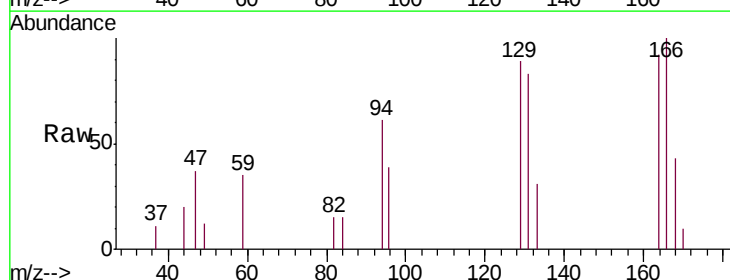
Ion Ratio Lower Upper

164 100

129 97.5 68.0 126.4

131 90.3 69.4 128.8

166 109.2 86.6 160.8



Abundance Ion 163.90 (163.60 to 164.60): VU036823.D (-2159) (-)

Ion 128.95 (128.65 to 129.65): VU036823.D (-2159) (-)

Ion 130.95 (130.65 to 131.65): VU036823.D (-2159) (-)

Ion 165.90 (165.60 to 166.60): VU036823.D (-2159) (-)

1500

1000

500

0

8.54

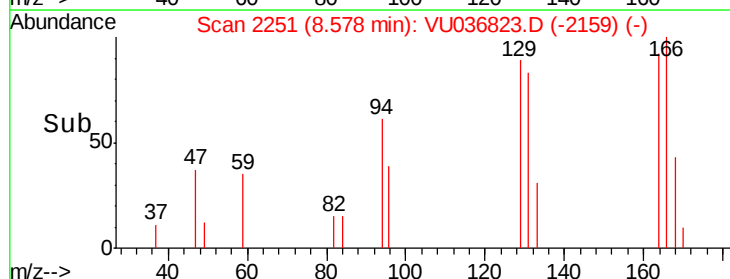
8.56

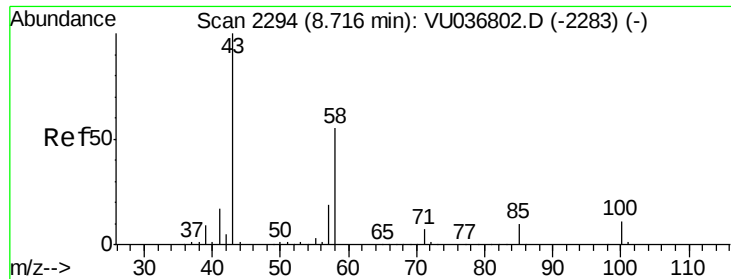
8.58

8.60

8.62

Time-->

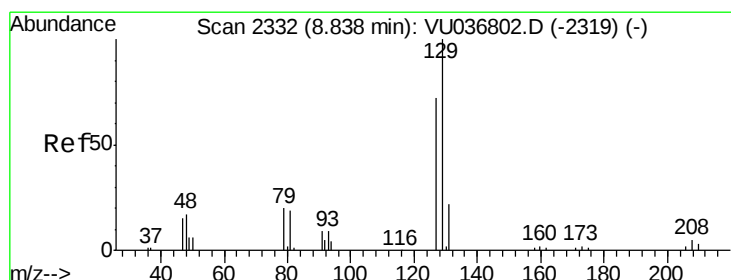
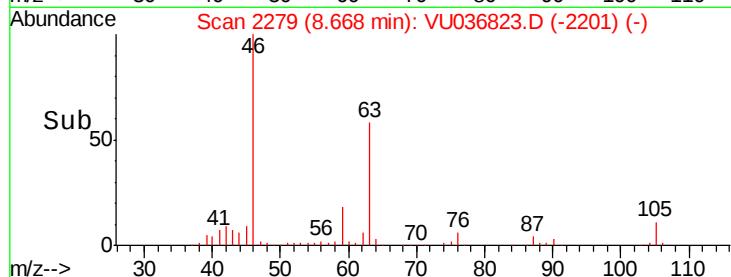
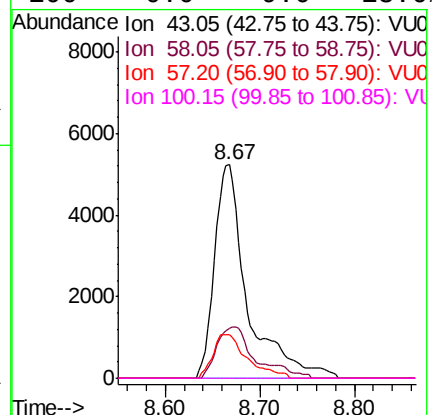
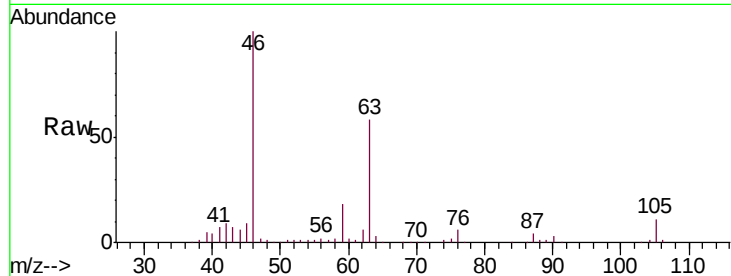




#48
2-Hexanone
Concen: 2.553 ug/L
RT: 8.67 min Scan# 2279
Delta R.T. -0.05 min
Lab File: VU036823.D
Acq: 17 Feb 2020 20:43

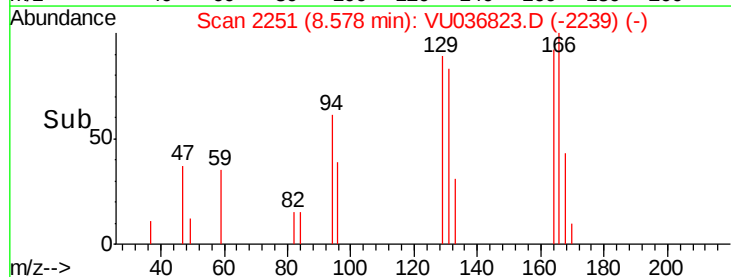
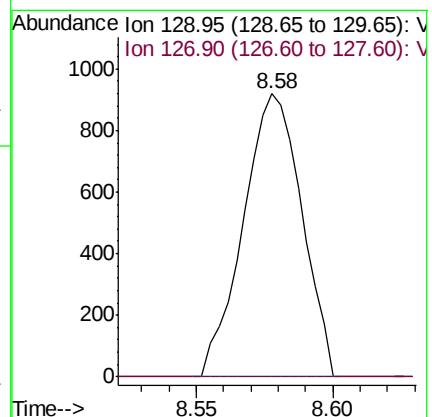
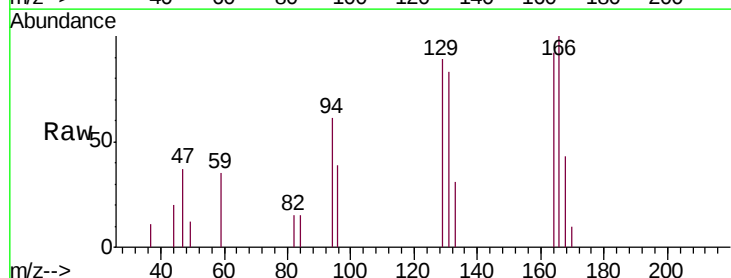
Instrument :
MSVOA_U
ClientSampleId :
C0AK6

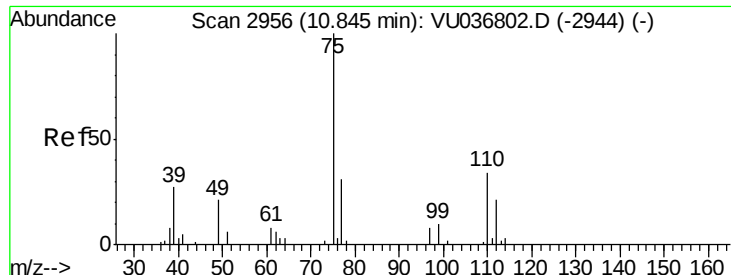
Tgt Ion:	43	Resp:	12648
Ion	Ratio	Lower	Upper
43	100		
58	25.2	43.6	65.4#
57	21.3	15.0	22.4
100	0.0	9.0	13.6#



#49
Dibromochloromethane
Concen: 0.212 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU036823.D
Acq: 17 Feb 2020 20:43

Tgt Ion:	129	Resp:	1366
Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.7	105.3#





#59

1,2,3-Trichloropropane

Concen: 1.011 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.99 min

Lab File: VU036823.D

Acq: 17 Feb 2020 20:43

Instrument :

MSVOA_U

ClientSampleId :

C0AK6

Tgt Ion: 75 Resp: 5991

Ion Ratio Lower Upper

75 100

77 37.2 25.6 38.4

