

Data File : VU034860.D
Acq On : 26 Sep 2019 22:28
Operator : JC/SP
Sample : K5044-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK39

Quant Time: Sep 27 05:16:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 27 05:10:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	88582	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	84986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	38939	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32307	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	27518	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.26	63	48307	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.17	46	92752	53.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.06%
24) Chloroform-d	4.62	84	47958	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.29	65	28015	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.32	84	101169	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.31	67	35292	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.54	98	98549	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.83	79	11851	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.30	63	67065	48.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	27154	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	32649	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

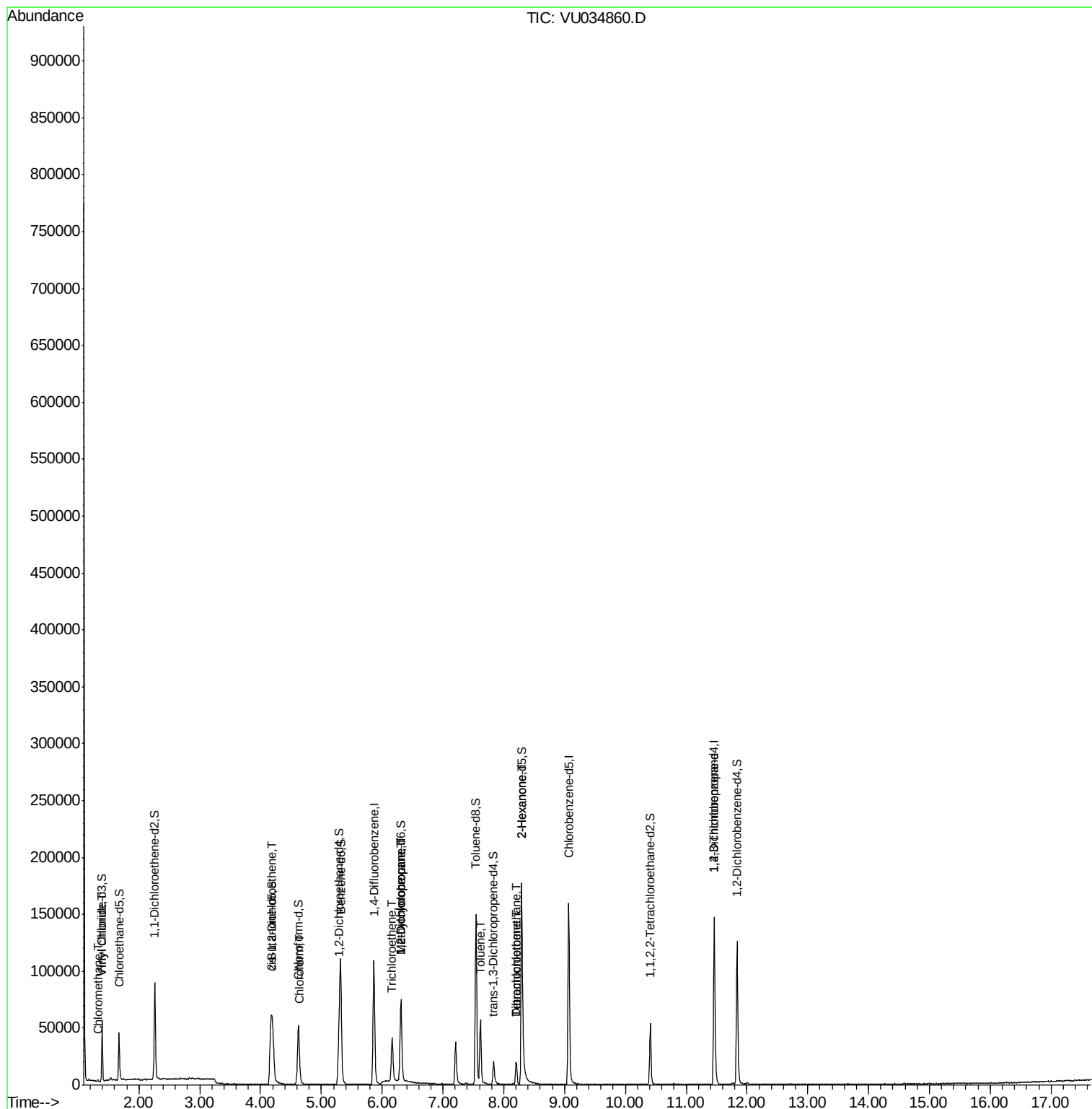
					Qvalue
3) Chloromethane	1.32	50	1911	0.302 ug/L	92
5) Vinyl chloride	1.40	62	978	0.148 ug/L #	30
22) cis-1,2-Dichloroethene	4.20	96	21490	3.539 ug/L	100
25) Chloroform	4.65	83	2946	0.238 ug/L	89
34) Trichloroethene	6.16	95	12750	2.226 ug/L	95
35) Methylcyclohexane	6.31	83	7448	0.805 ug/L #	17
37) 1,2-Dichloropropane	6.31	63	3771	0.532 ug/L #	92
42) Toluene	7.62	91	41459	1.670 ug/L	97
47) Tetrachloroethene	8.21	164	4141	1.193 ug/L	98
48) 2-Hexanone	8.30	43	8030	2.234 ug/L #	71
49) Dibromochloromethane	8.21	129	3962	0.749 ug/L #	12
59) 1,2,3-Trichloropropane	11.46	75	5926	1.279 ug/L	98

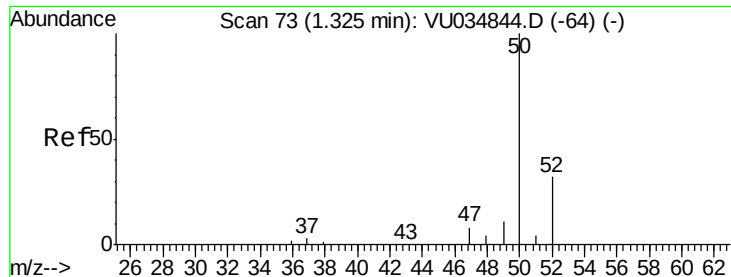
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.302 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034860.D

Acq: 26 Sep 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

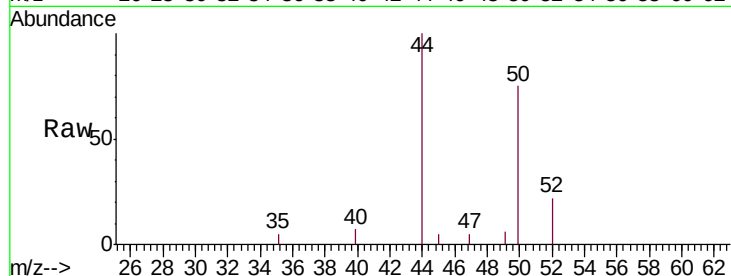
CWK39

Tgt Ion: 50 Resp: 1911

Ion Ratio Lower Upper

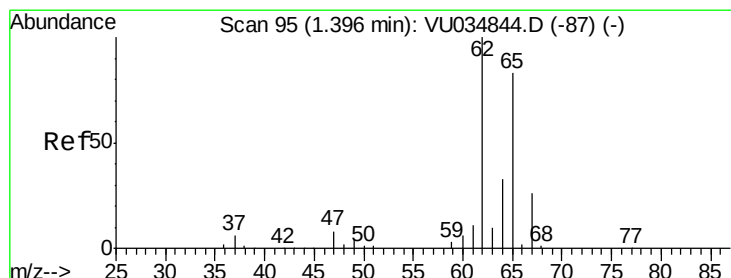
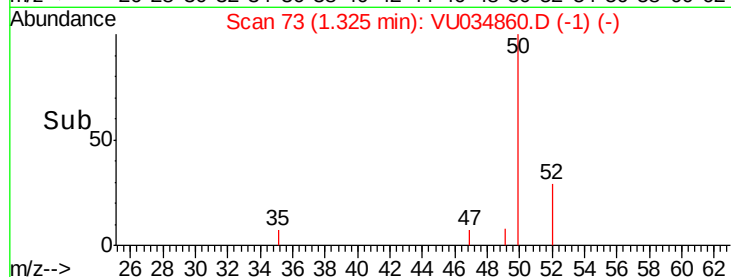
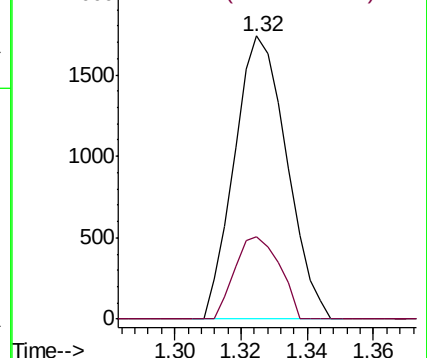
50 100

52 29.2 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034844.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034844.D (-64) (-)



#5

Vinyl chloride

Concen: 0.148 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034860.D

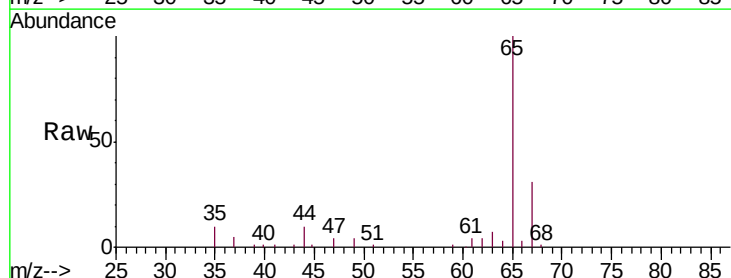
Acq: 26 Sep 2019 22:28

Tgt Ion: 62 Resp: 978

Ion Ratio Lower Upper

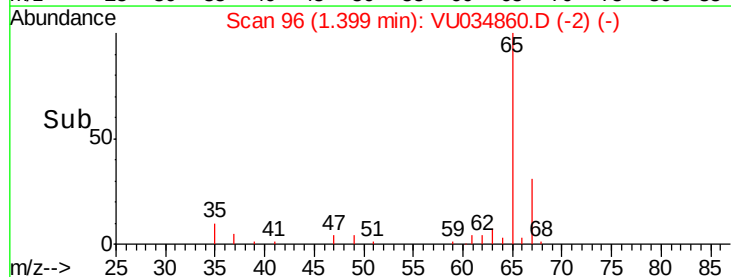
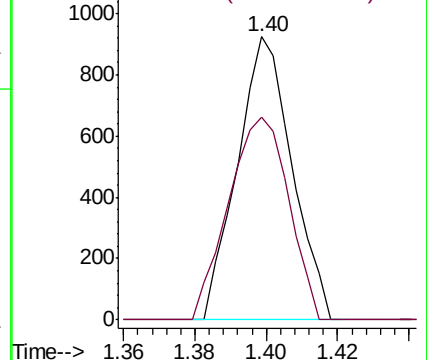
62 100

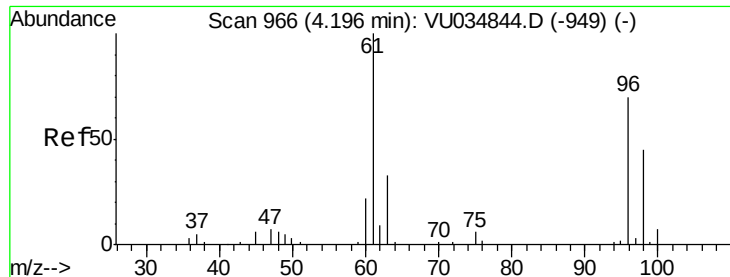
64 71.4 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VU034844.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034844.D (-87) (-)



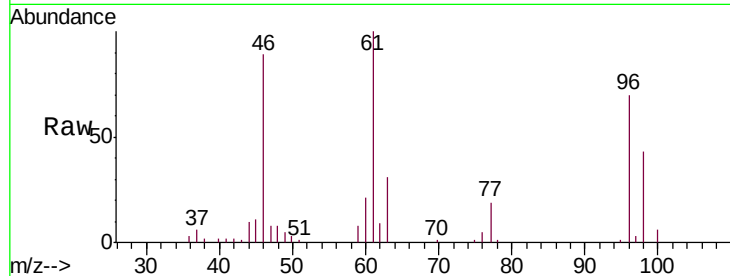


#22

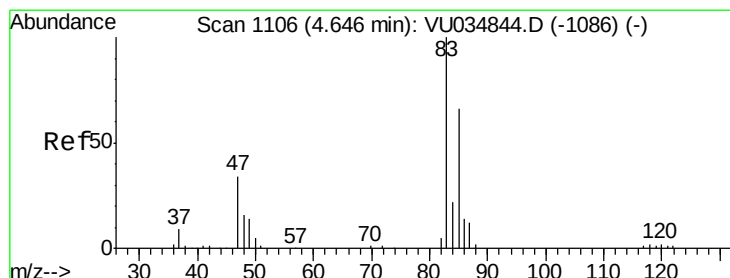
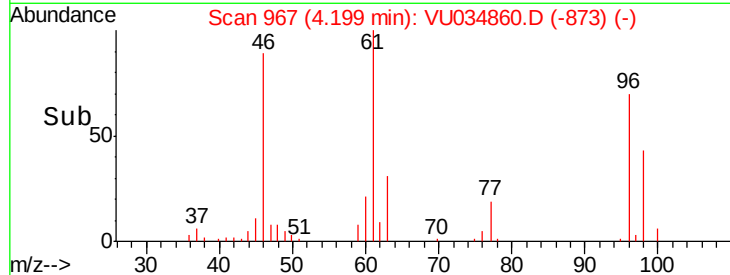
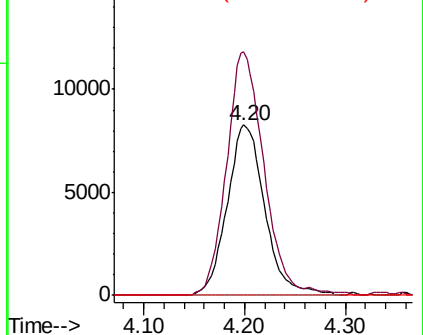
cis-1,2-Dichloroethene
 Concen: 3.539 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034860.D
 Acq: 26 Sep 2019 22:28

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK39

Tgt Ion: 96 Resp: 21490
 Ion Ratio Lower Upper
 96 100
 61 143.1 100.0 185.8
 68 0.0 0.0 0.0



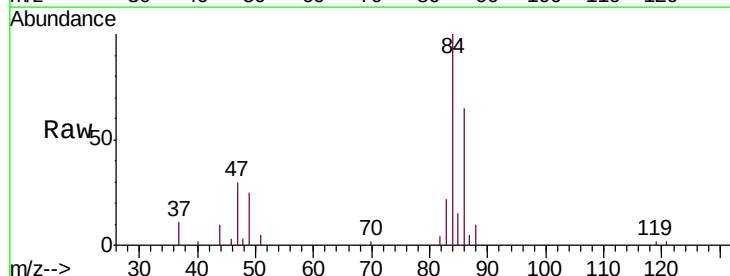
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



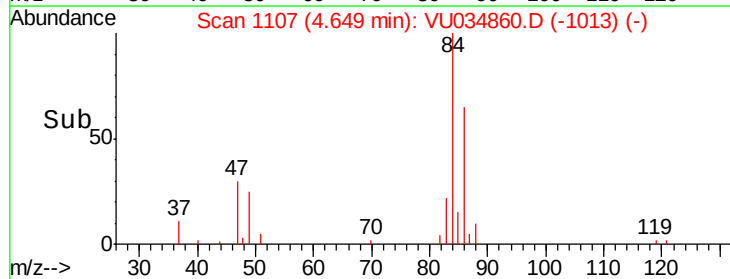
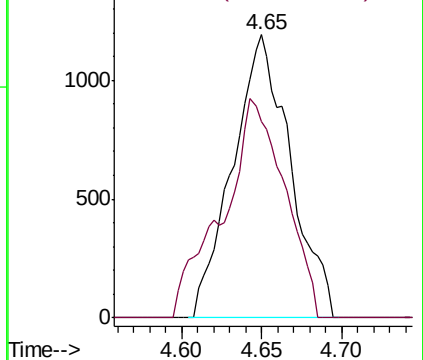
#25

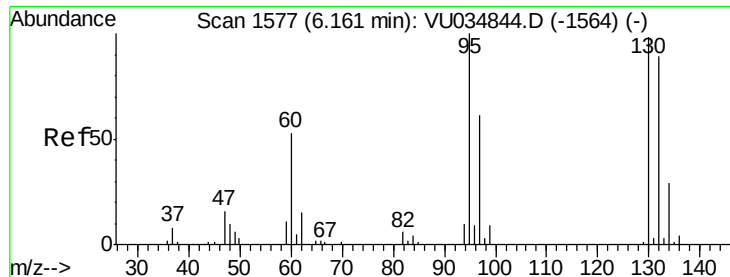
Chloroform
 Concen: 0.238 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU034860.D
 Acq: 26 Sep 2019 22:28

Tgt Ion: 83 Resp: 2946
 Ion Ratio Lower Upper
 83 100
 85 69.5 42.8 79.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 2.226 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034860.D

Acq: 26 Sep 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

CWK39

Tgt Ion: 95 Resp: 12750

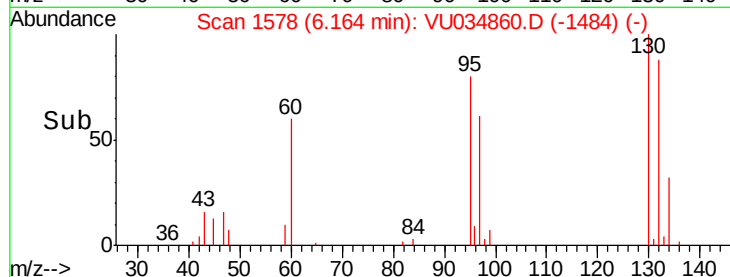
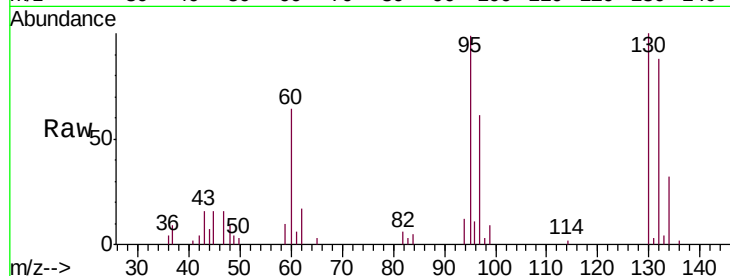
Ion Ratio Lower Upper

95 100

97 61.7 45.2 84.0

132 88.7 60.9 113.1

130 101.3 64.3 119.3



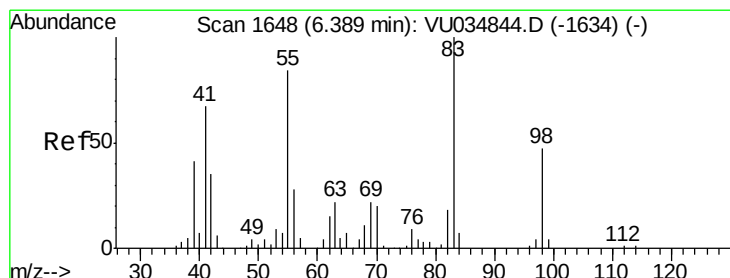
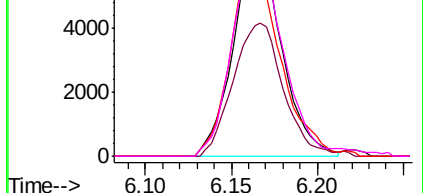
Abundance Ion 95.00 (94.70 to 95.70): VU034860.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VU034860.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VU034860.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VU034860.D (-1484) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034860.D

Acq: 26 Sep 2019 22:28

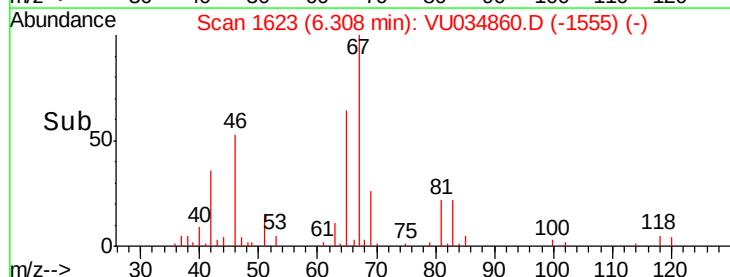
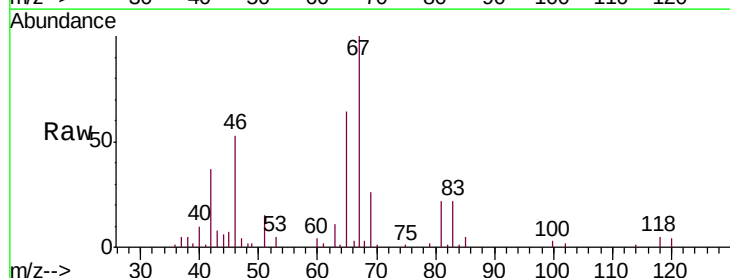
Tgt Ion: 83 Resp: 7448

Ion Ratio Lower Upper

83 100

55 0.0 66.8 100.2#

98 2.3 35.4 53.0#

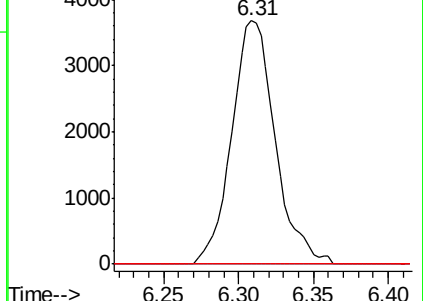


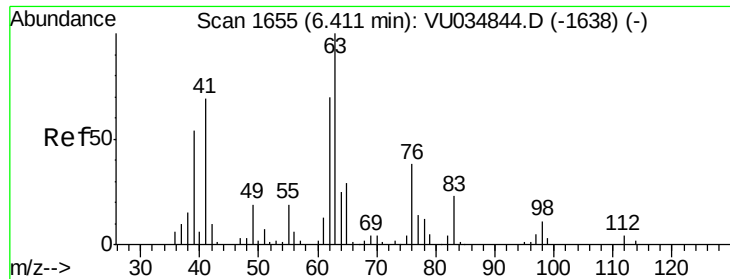
Abundance Ion 83.15 (82.85 to 83.85): VU034860.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU034860.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU034860.D (-1555) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.532 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU034860.D

Acq: 26 Sep 2019 22:28

Instrument :

MSVOA_U

ClientSampleId :

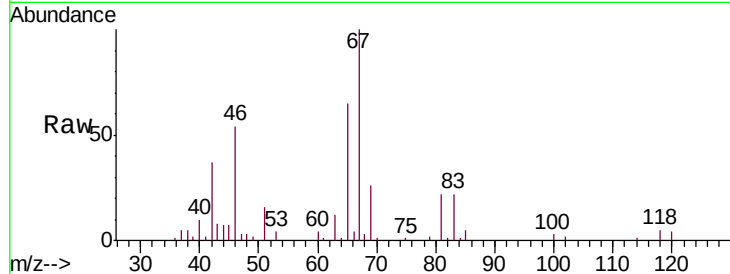
CWK39

Tgt Ion: 63 Resp: 3771

Ion Ratio Lower Upper

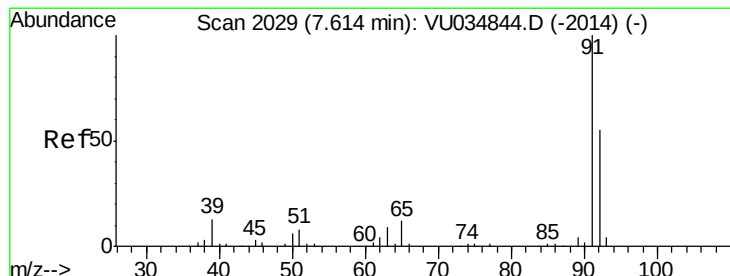
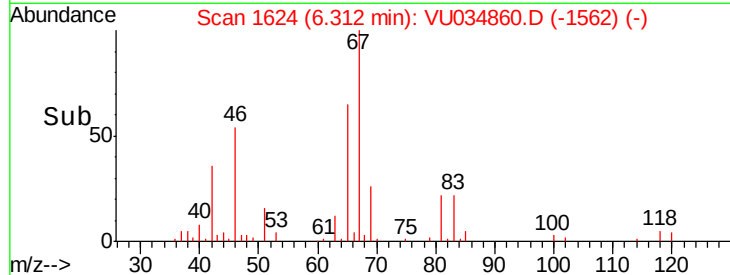
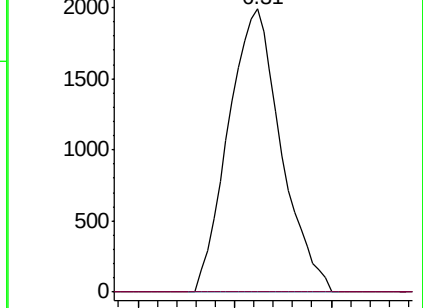
63 100

112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU034860.D (-1562) (-)

Ion 112.10 (111.80 to 112.80): VU034860.D (-1562) (-)



#42

Toluene

Concen: 1.670 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034860.D

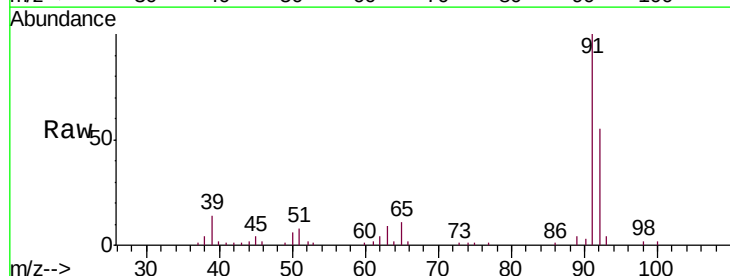
Acq: 26 Sep 2019 22:28

Tgt Ion: 91 Resp: 41459

Ion Ratio Lower Upper

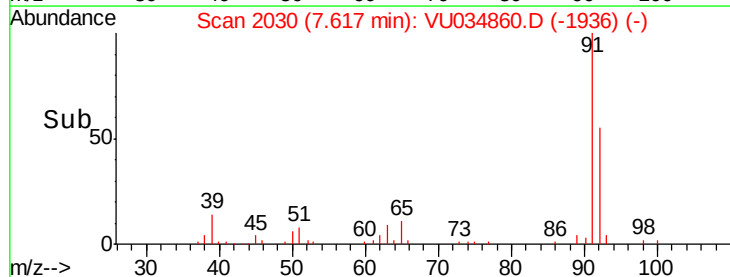
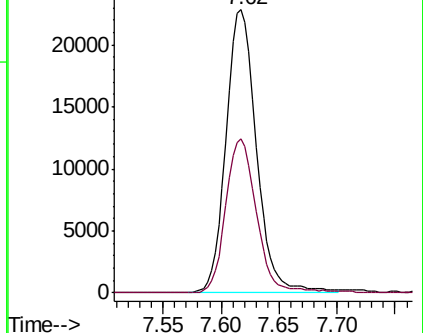
91 100

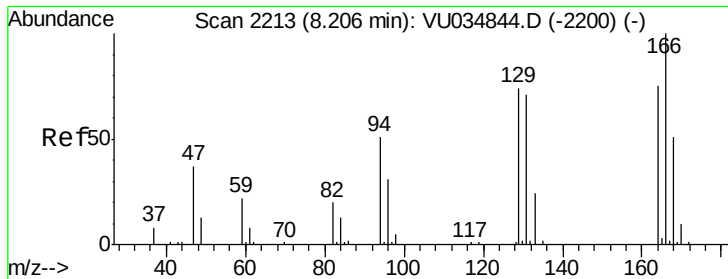
92 54.6 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034860.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU034860.D (-1936) (-)

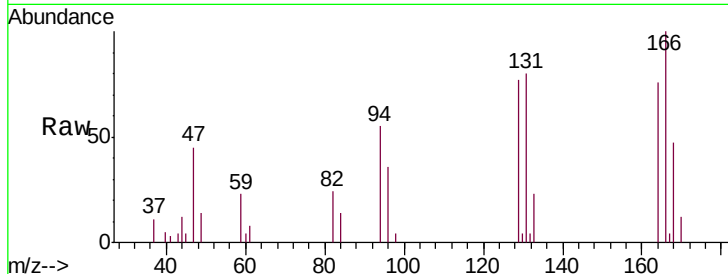




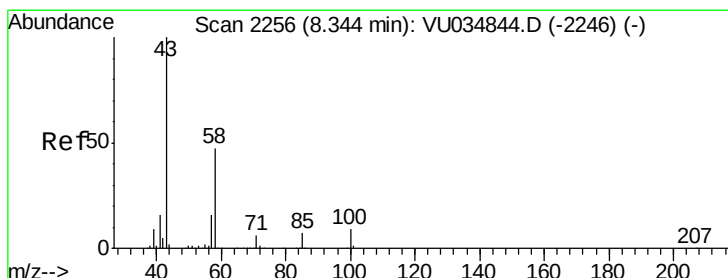
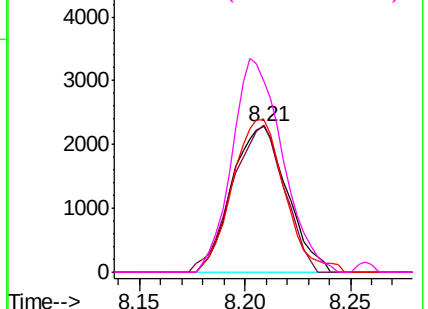
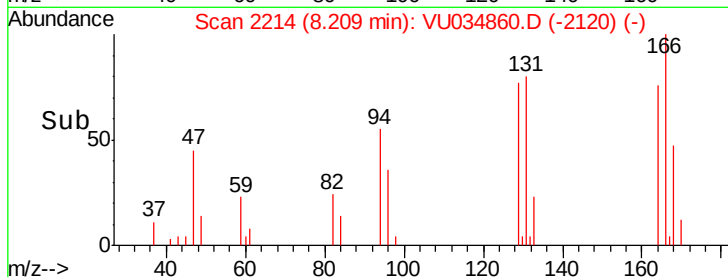
#47
Tetrachloroethene
Concen: 1.193 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034860.D
Acq: 26 Sep 2019 22:28

Instrument :
MSVOA_U
ClientSampleId :
CWK39

Tgt Ion:164 Resp: 4141
Ion Ratio Lower Upper
164 100
129 101.0 73.6 136.8
131 105.2 73.4 136.4
166 131.4 90.6 168.3

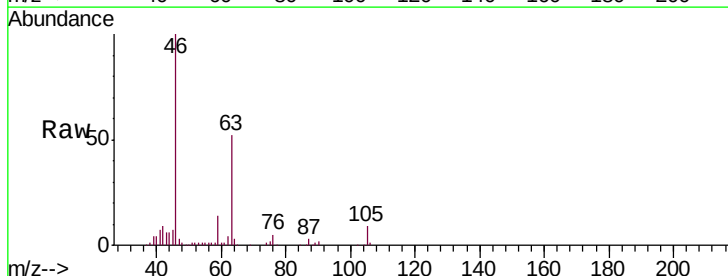


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

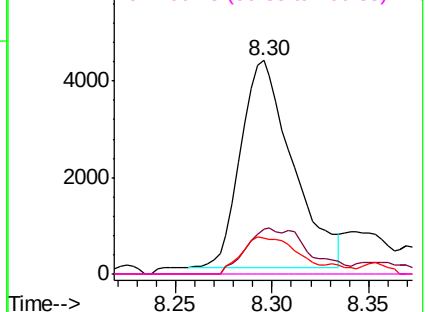
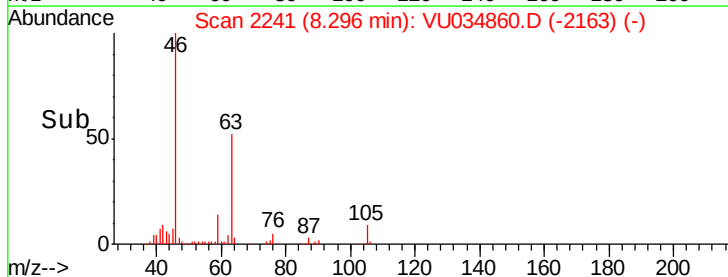


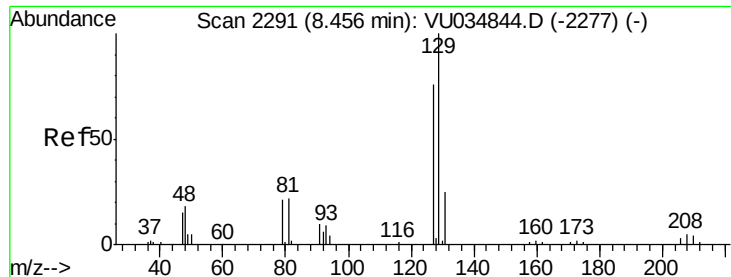
#48
2-Hexanone
Concen: 2.234 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU034860.D
Acq: 26 Sep 2019 22:28

Tgt Ion: 43 Resp: 8030
Ion Ratio Lower Upper
43 100
58 26.6 41.2 61.8#
57 21.2 13.3 19.9#
100 0.0 7.2 10.8#



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: 0.749 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU034860.D

Acq: 26 Sep 2019 22:28

Instrument :

MSVOA_U

ClientSampled :

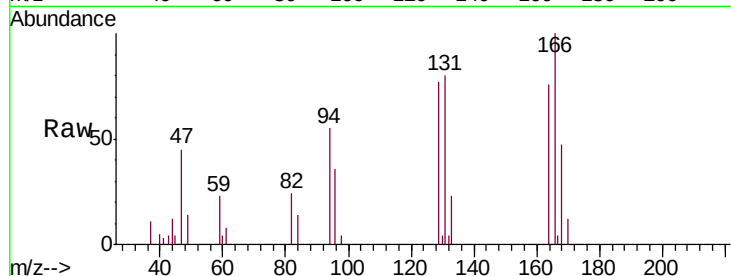
CWK39

Tgt Ion:129 Resp: 3962

Ion Ratio Lower Upper

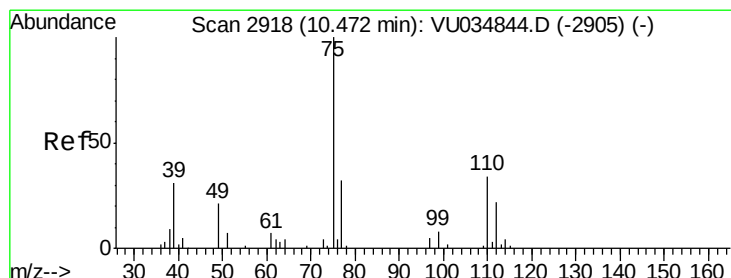
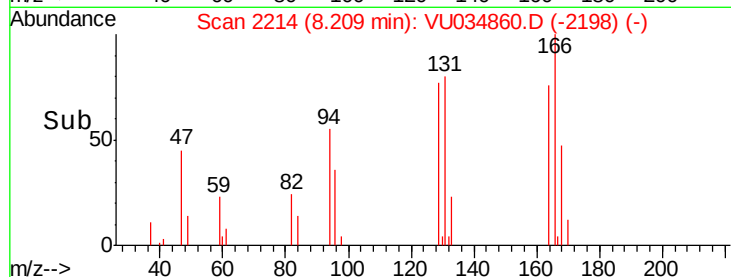
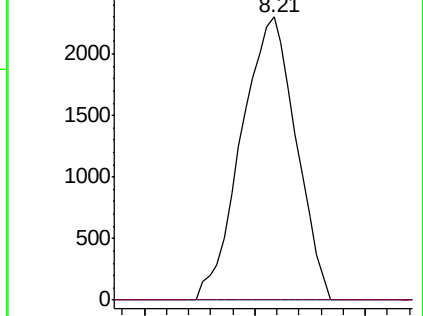
129 100

127 0.0 53.0 98.4#



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: 1.279 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034860.D

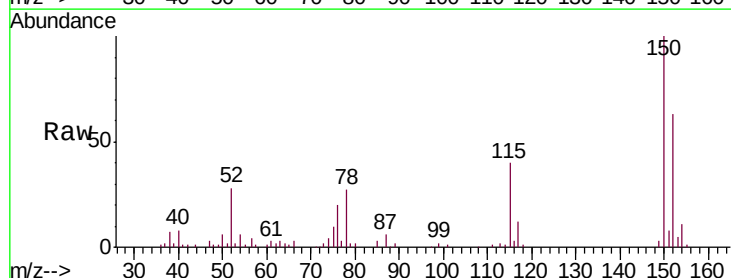
Acq: 26 Sep 2019 22:28

Tgt Ion: 75 Resp: 5926

Ion Ratio Lower Upper

75 100

77 33.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

