

Data File : VU034870.D
Acq On : 27 Sep 2019 13:13
Operator : JC/SP
Sample : K5044-02DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK34DL

Quant Time: Sep 28 00:31:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 28 00:27:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	87344	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	81378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	36290	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	29331	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	1.67	69	23951	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.26	63	41576	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.18	46	79151	46.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.66%
24) Chloroform-d	4.62	84	35729	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.40%#
26) 1,2-Dichloroethane-d4	5.29	65	24172	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
32) Benzene-d6	5.32	84	90887	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.31	67	31879	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.54	98	83608	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.84	79	9869	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
46) 2-Hexanone-d5	8.30	63	53899	40.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	23199	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	28240	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

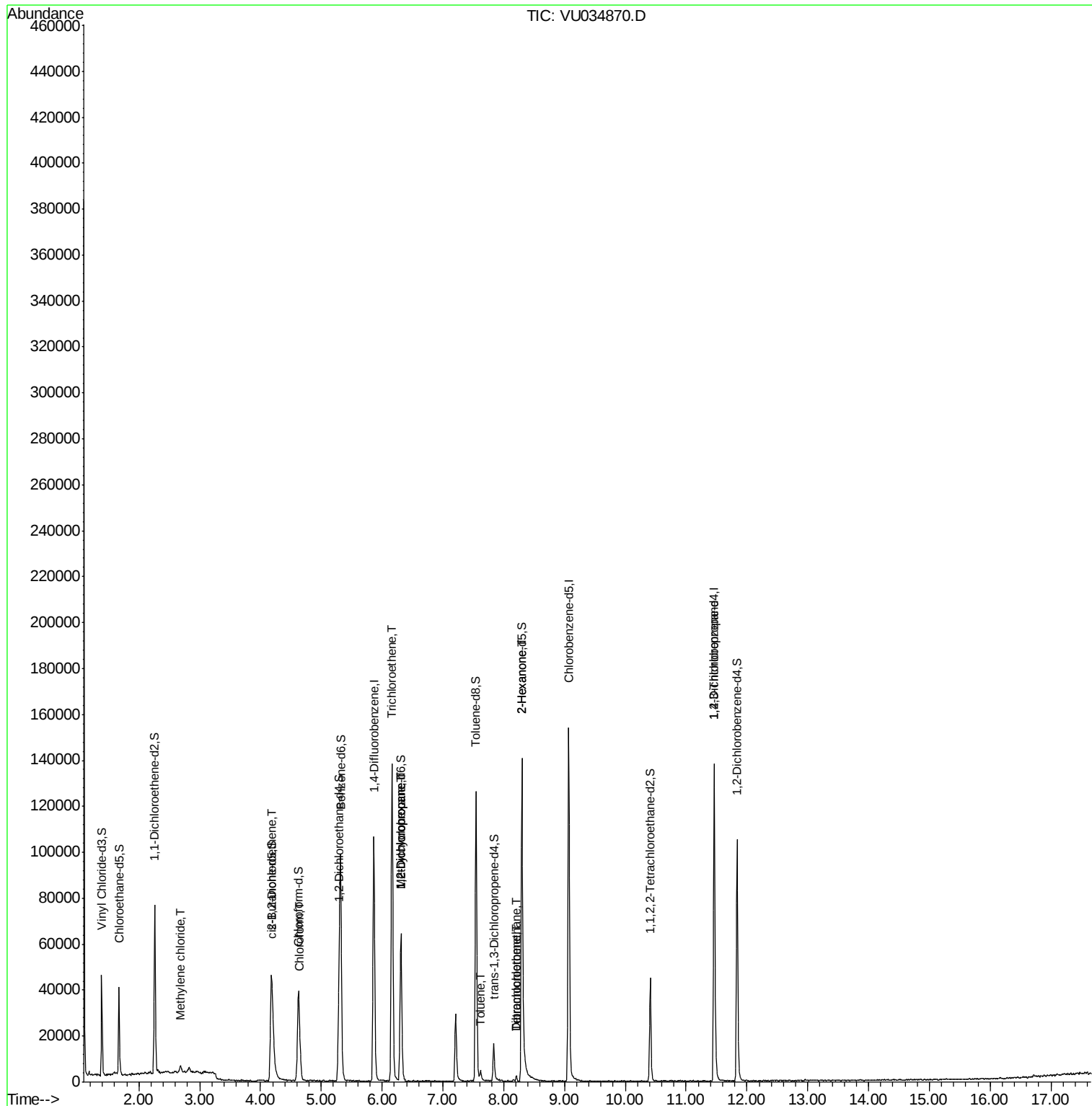
					Qvalue
16) Methylene chloride	2.68	84	1048	0.183 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	6913	1.154 ug/L	95
25) Chloroform	4.65	83	7831	0.641 ug/L	89
34) Trichloroethene	6.16	95	47371	8.637 ug/L	96
35) Methylcyclohexane	6.31	83	6547	0.739 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	3160	0.465 ug/L #	92
42) Toluene	7.62	91	2711	0.114 ug/L	79
47) Tetrachloroethene	8.21	164	451	0.136 ug/L	91
48) 2-Hexanone	8.30	43	6416	1.864 ug/L #	71
49) Dibromochloromethane	8.21	129	530	0.105 ug/L #	12
59) 1,2,3-Trichloropropane	11.46	75	5144	1.159 ug/L #	88

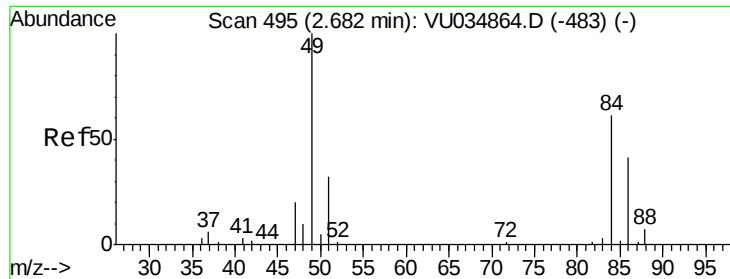
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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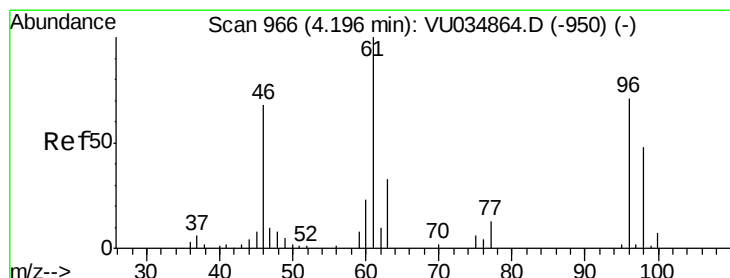
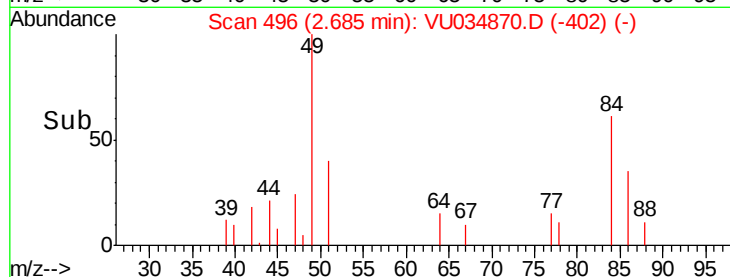
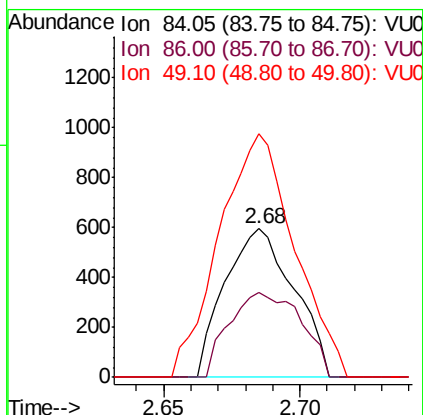
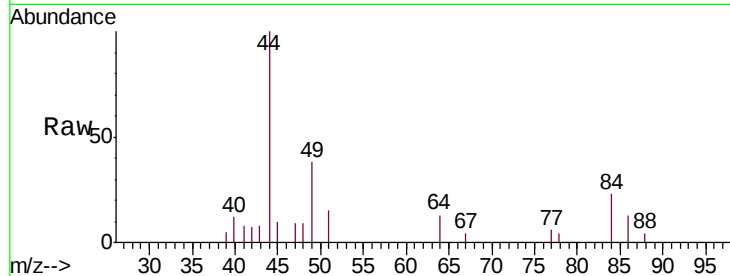




#16
Methylene chloride
Concen: 0.183 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034870.D
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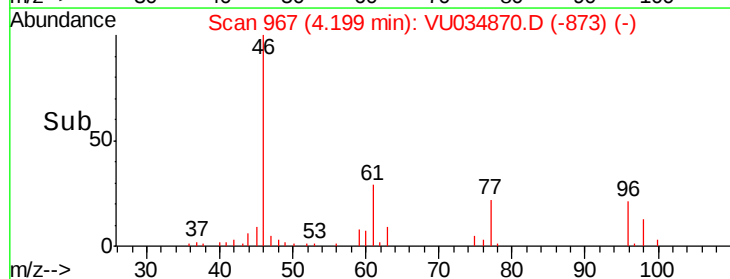
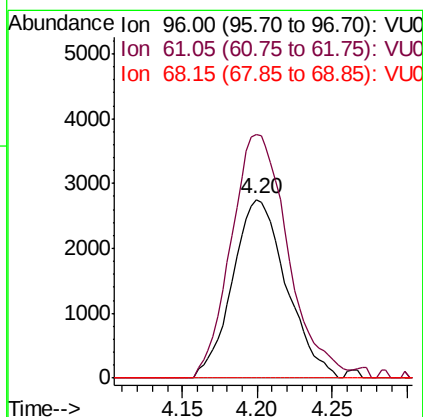
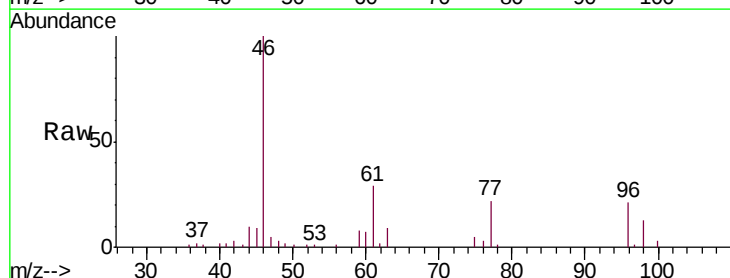
Instrument :
MSVOA_U
ClientSampleId :
CWK34DL

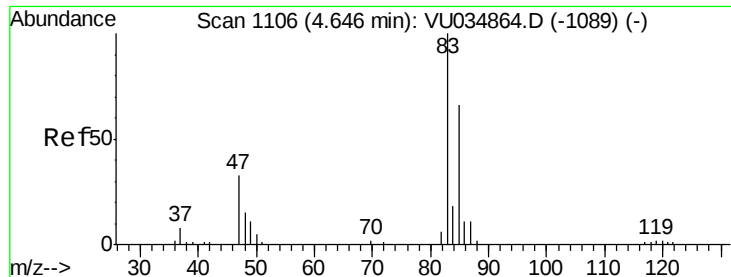
Tgt Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
86 57.0 43.0 80.0
49 163.8 110.9 205.9



#22
cis-1,2-Dichloroethene
Concen: 1.154 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034870.D
Acq: 27 Sep 2019 13:13

Tgt Ion: 96 Resp: 6913
Ion Ratio Lower Upper
96 100
61 136.2 100.0 185.8
68 0.0 0.0 0.0

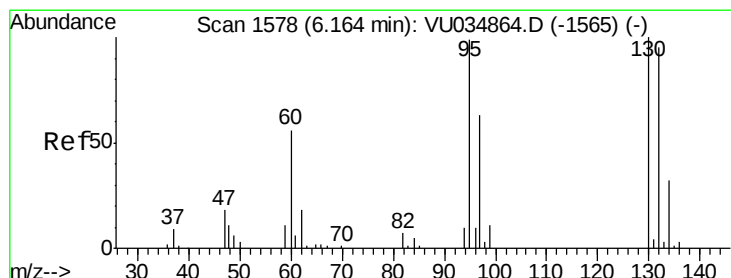
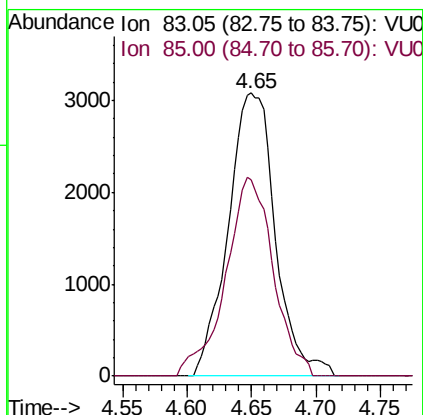
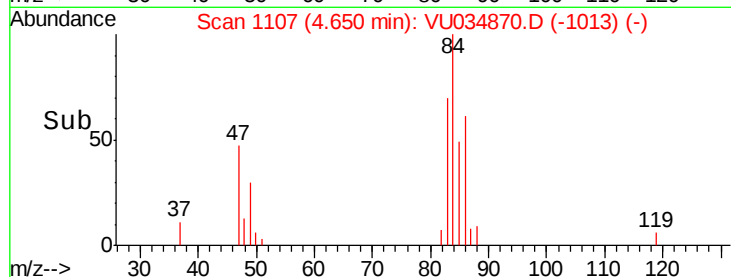
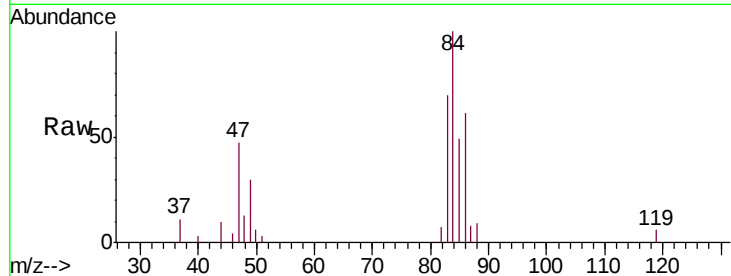




#25
Chloroform
Concen: 0.641 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034870.D
Acq: 27 Sep 2019 13:13

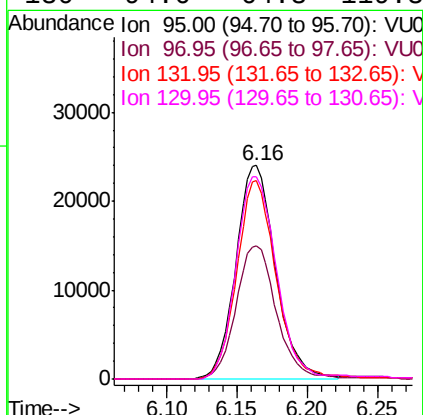
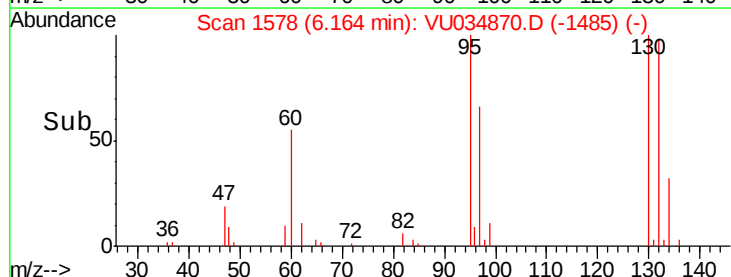
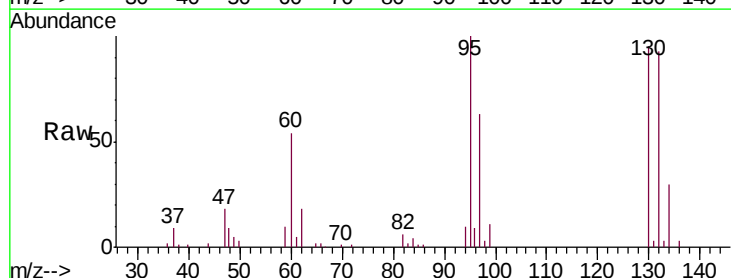
Instrument :
MSVOA_U
ClientSampleId :
CWK34DL

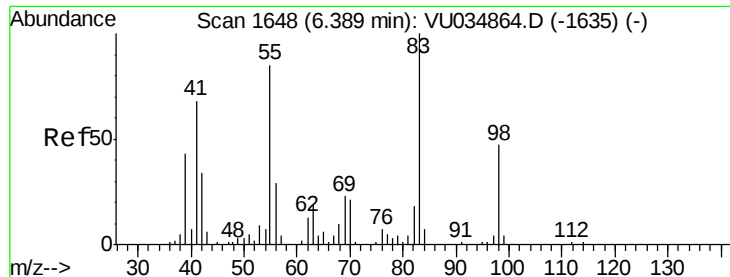
Tgt Ion: 83 Resp: 7831
Ion Ratio Lower Upper
83 100
85 69.4 42.8 79.4



#34
Trichloroethene
Concen: 8.637 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034870.D
Acq: 27 Sep 2019 13:13

Tgt Ion: 95 Resp: 47371
Ion Ratio Lower Upper
95 100
97 62.6 45.2 84.0
132 92.9 60.9 113.1
130 94.6 64.3 119.3





#35

Methylcyclohexane

Concen: 0.739 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034870.D

Acq: 27 Sep 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

CWK34DL

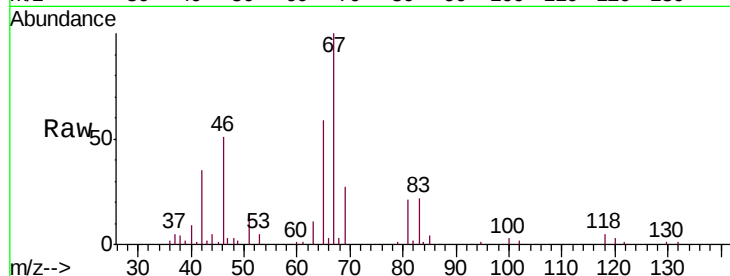
Tgt Ion: 83 Resp: 6547

Ion Ratio Lower Upper

83 100

55 0.0 66.8 100.2#

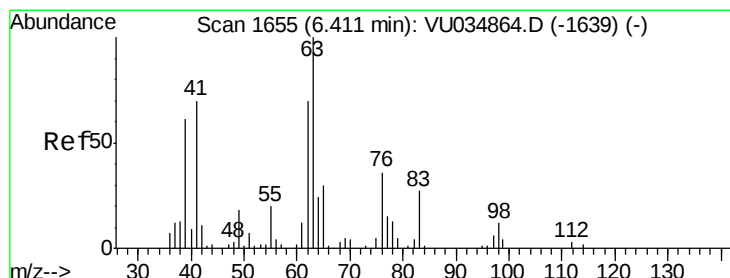
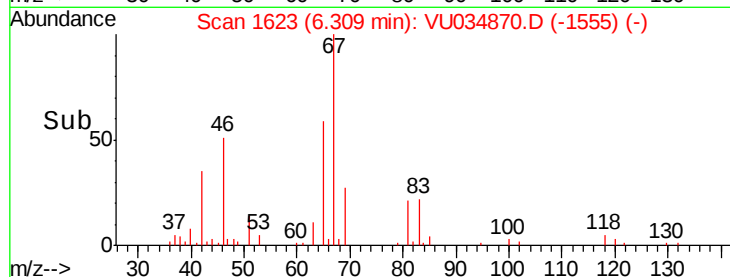
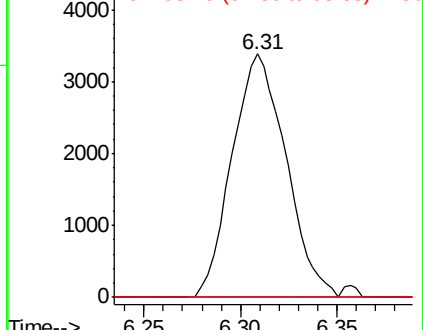
98 3.5 35.4 53.0#



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: 0.465 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU034870.D

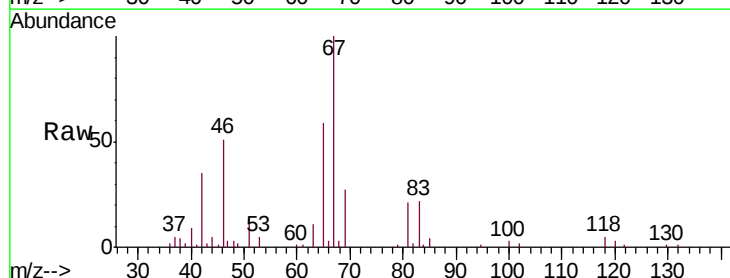
Acq: 27 Sep 2019 13:13

Tgt Ion: 63 Resp: 3160

Ion Ratio Lower Upper

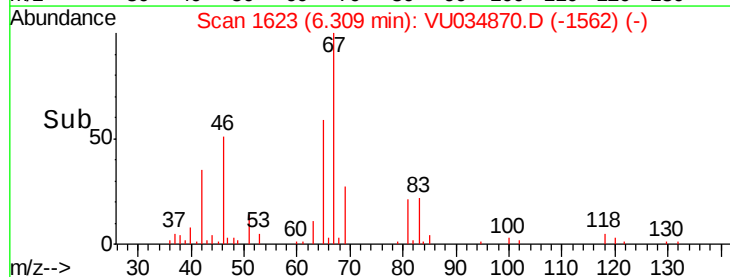
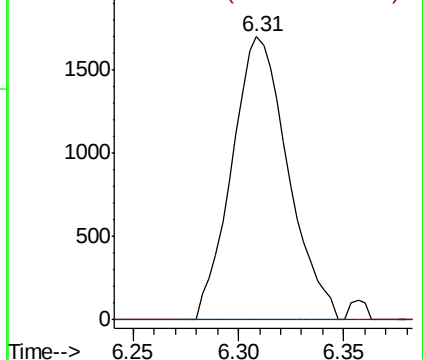
63 100

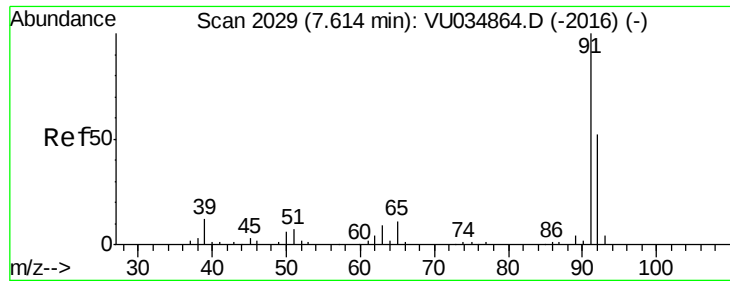
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.114 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034870.D

Acq: 27 Sep 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

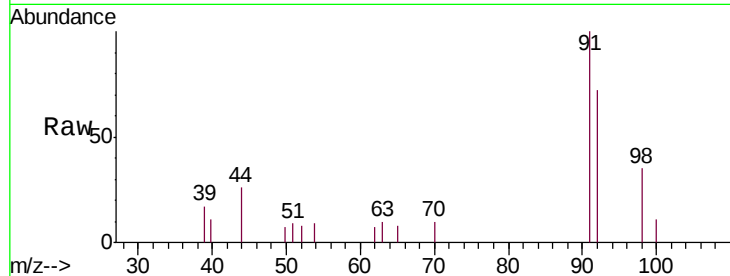
CWK34DL

Tgt Ion: 91 Resp: 2711

Ion Ratio Lower Upper

91 100

92 72.0 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034870.D (-2031) (-)

Ion 92.15 (91.85 to 92.85): VU034870.D (-2031) (-)

7.62

1500

1000

500

0

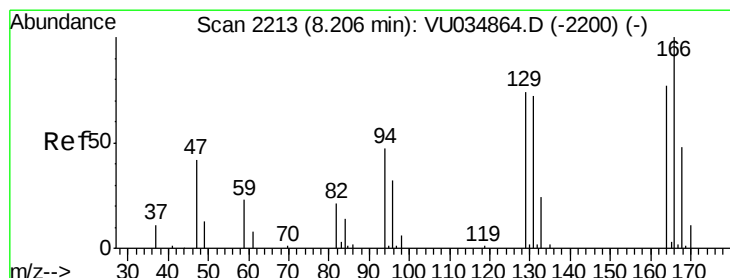
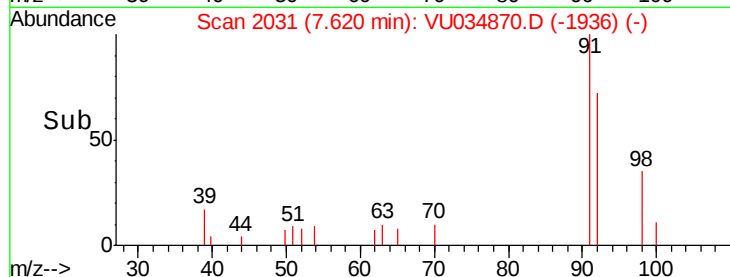
Time-->

7.55

7.60

7.65

7.70



#47

Tetrachloroethene

Concen: 0.136 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034870.D

Acq: 27 Sep 2019 13:13

Tgt Ion: 164 Resp: 451

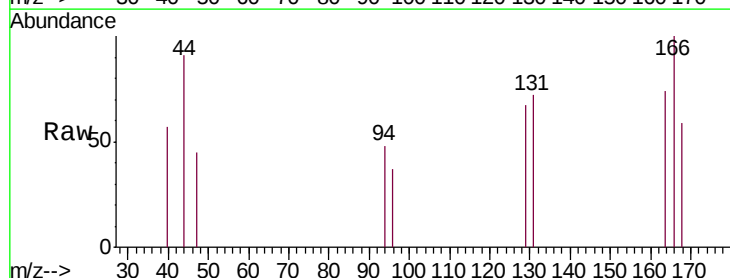
Ion Ratio Lower Upper

164 100

129 90.6 73.6 136.8

131 97.7 73.4 136.4

166 135.6 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034870.D (-2213) (-)

Ion 128.95 (128.65 to 129.65): VU034870.D (-2213) (-)

Ion 130.95 (130.65 to 131.65): VU034870.D (-2213) (-)

Ion 165.90 (165.60 to 166.60): VU034870.D (-2213) (-)

600

400

200

0

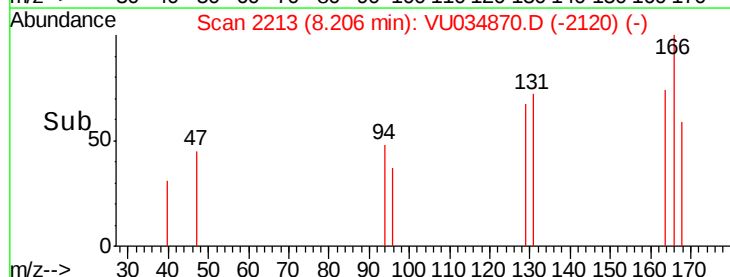
Time-->

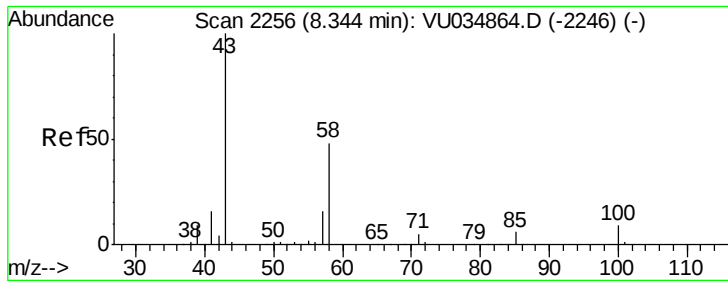
8.18

8.20

8.22

8.24

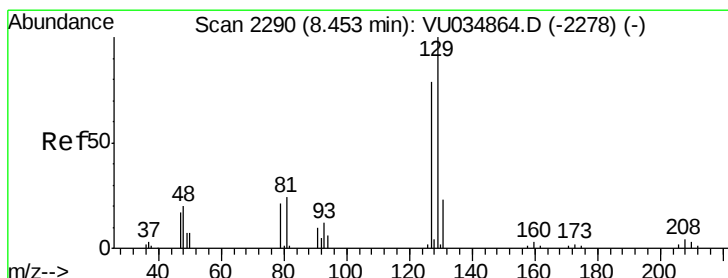
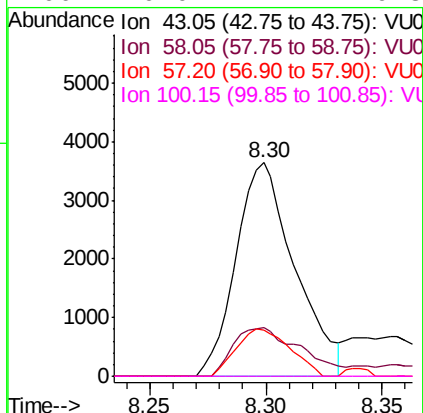
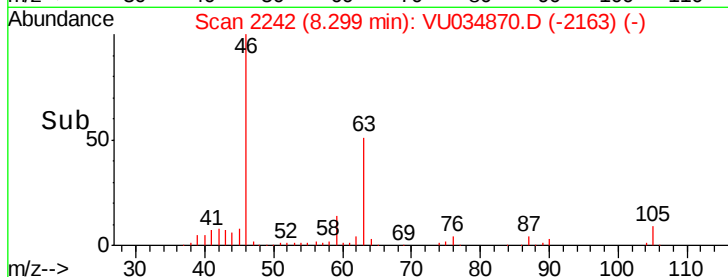
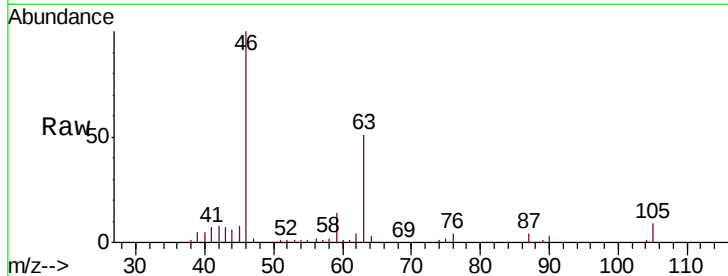




#48
2-Hexanone
Concen: 1.864 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. -0.04 min
Lab File: VU034870.D
Acq: 27 Sep 2019 13:13

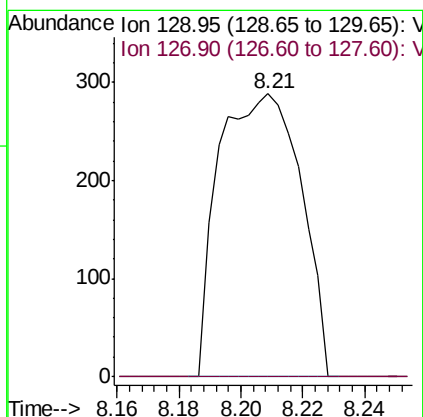
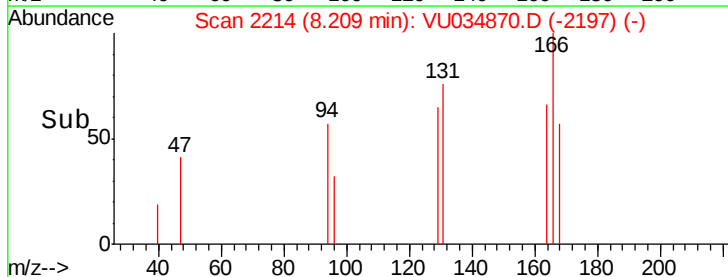
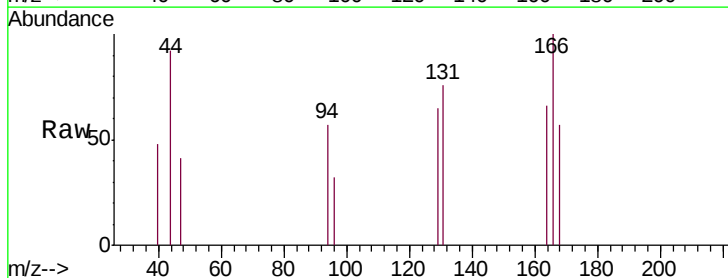
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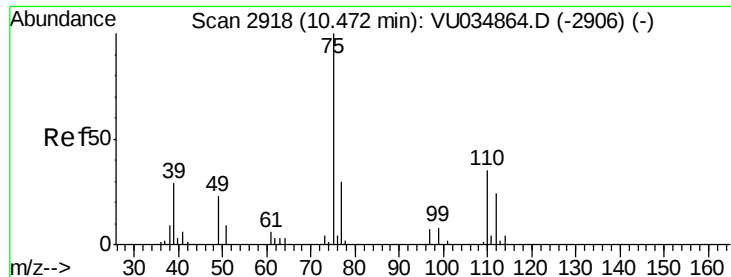
Tgt Ion: 43 Resp: 6416
Ion Ratio Lower Upper
43 100
58 26.2 41.2 61.8#
57 20.2 13.3 19.9#
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.105 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.24 min
Lab File: VU034870.D
Acq: 27 Sep 2019 13:13

Tgt Ion: 129 Resp: 530
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#





#59

1,2,3-Trichloropropane

Concen: 1.159 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034870.D

Acq: 27 Sep 2019 13:13

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ClientSampleId :

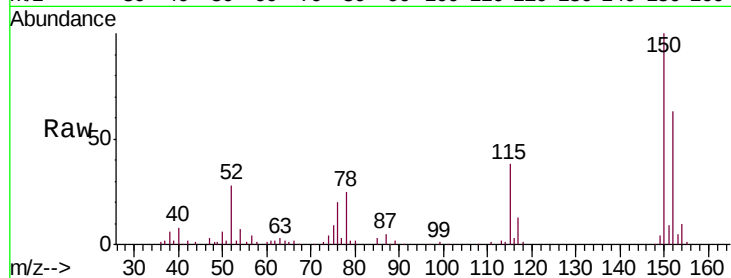
CWK34DL

Tgt Ion: 75 Resp: 5144

Ion Ratio Lower Upper

75 100

77 39.3 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

