

Data File : VU034871.D
Acq On : 27 Sep 2019 13:37
Operator : JC/SP
Sample : K5044-03DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK35DL

Quant Time: Sep 28 00:31:35 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	84045	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	82322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	37259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	27573	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.67	69	22986	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.26	63	40554	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.17	46	72907	44.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.70%
24) Chloroform-d	4.62	84	34879	3.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.40%#
26) 1,2-Dichloroethane-d4	5.29	65	22858	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	5.31	84	84951	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.31	67	29444	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.60%
41) Toluene-d8	7.54	98	77703	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	7.83	79	9114	3.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.00%
46) 2-Hexanone-d5	8.30	63	51486	38.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.36%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	21814	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	26308	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

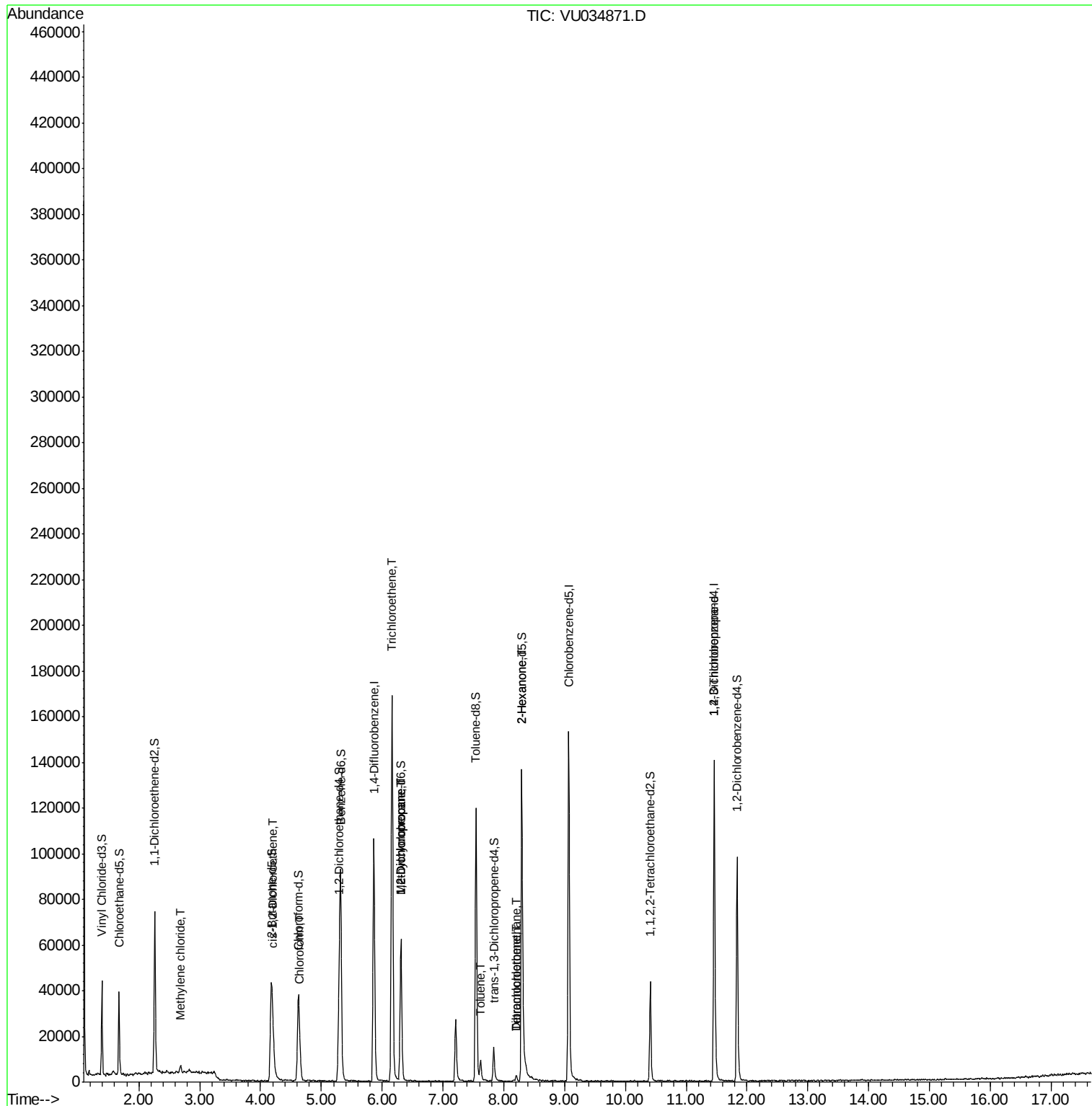
					Qvalue
16) Methylene chloride	2.69	84	974	0.177 ug/L	84
22) cis-1,2-Dichloroethene	4.20	96	7222	1.253 ug/L	86
25) Chloroform	4.65	83	6570	0.559 ug/L	98
34) Trichloroethene	6.16	95	56527	10.188 ug/L	96
35) Methylcyclohexane	6.31	83	6045	0.675 ug/L #	17
37) 1,2-Dichloropropane	6.31	63	3500	0.509 ug/L #	92
42) Toluene	7.62	91	7078	0.294 ug/L	93
47) Tetrachloroethene	8.20	164	618	0.184 ug/L	85
48) 2-Hexanone	8.30	43	6526	1.875 ug/L #	66
49) Dibromochloromethane	8.20	129	602	0.117 ug/L #	12
59) 1,2,3-Trichloropropane	11.46	75	5852	1.303 ug/L	97

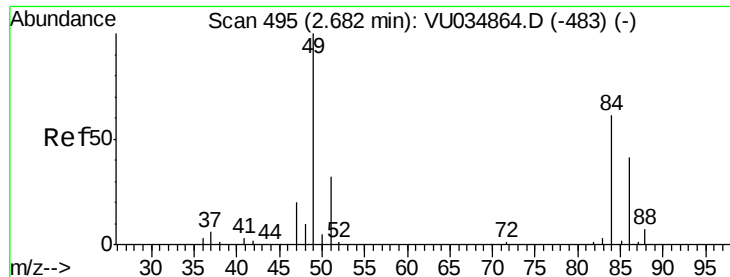
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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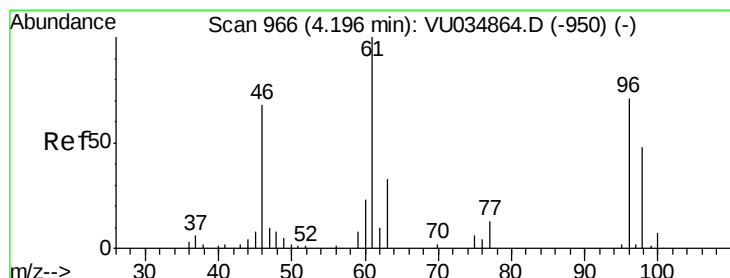
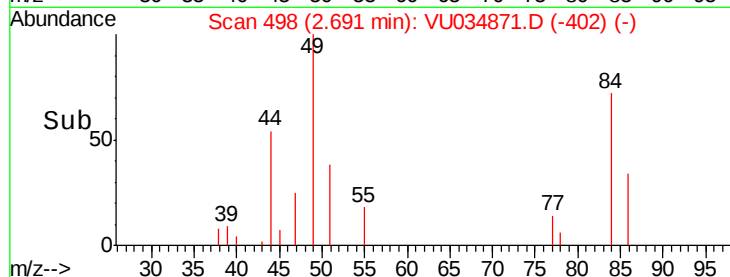
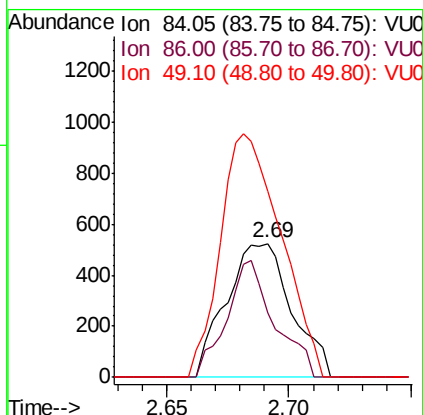
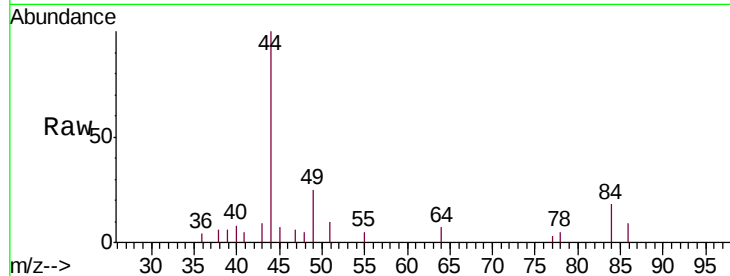




#16
Methylene chloride
Concen: 0.177 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034871.D
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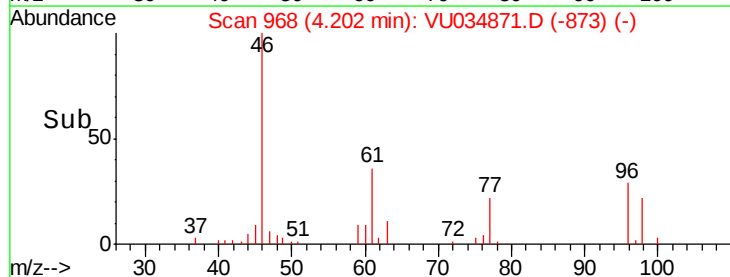
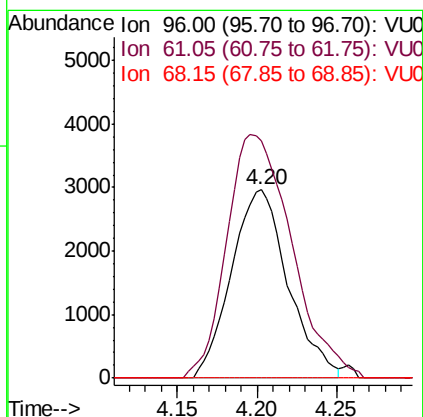
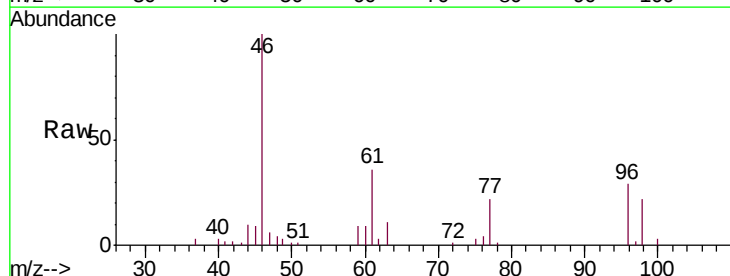
Instrument :
MSVOA_U
ClientSampleID :
CWK35DL

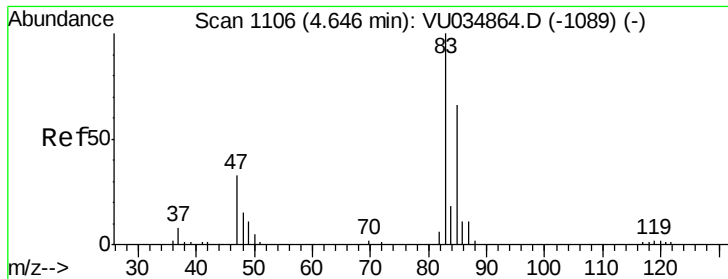
Tgt Ion: 84 Resp: 974
Ion Ratio Lower Upper
84 100
86 47.6 43.0 80.0
49 139.0 110.9 205.9



#22
cis-1,2-Dichloroethene
Concen: 1.253 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.01 min
Lab File: VU034871.D
Acq: 27 Sep 2019 13:37

Tgt Ion: 96 Resp: 7222
Ion Ratio Lower Upper
96 100
61 125.8 100.0 185.8
68 0.0 0.0 0.0

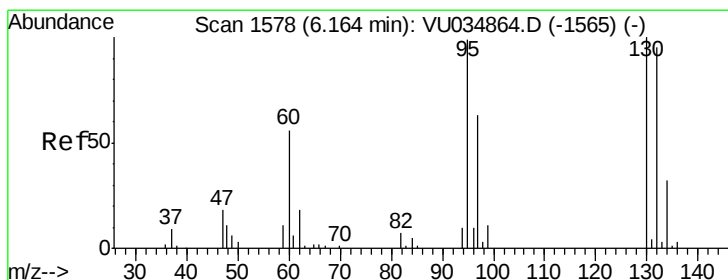
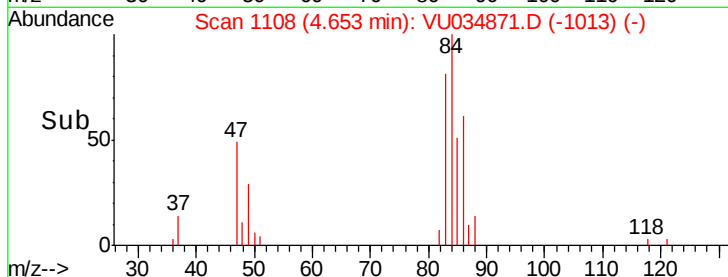
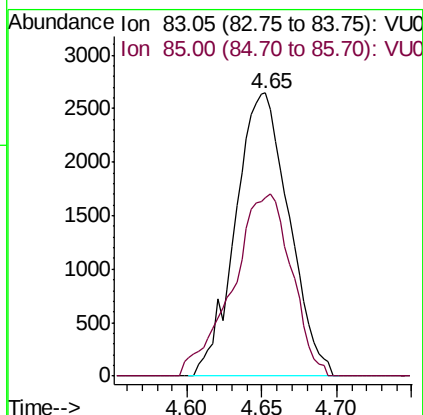
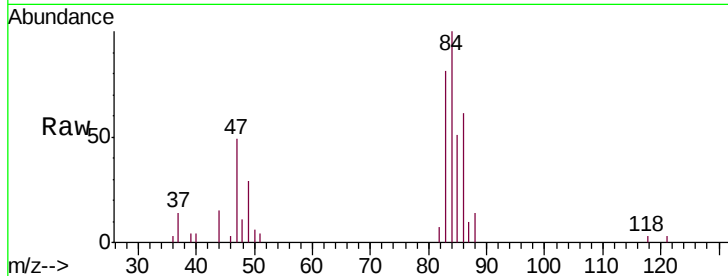




#25
Chloroform
Concen: 0.559 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU034871.D
Acq: 27 Sep 2019 13:37

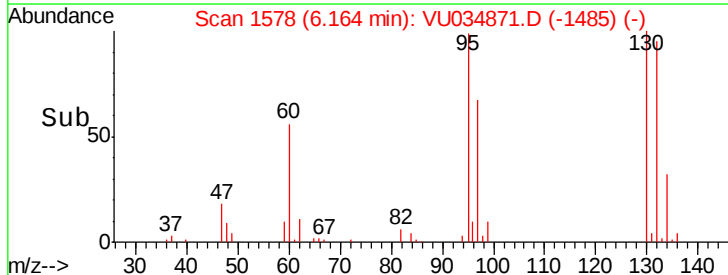
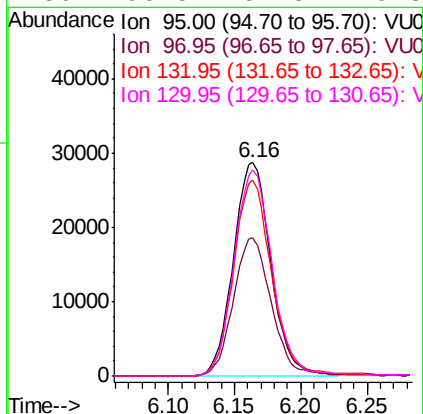
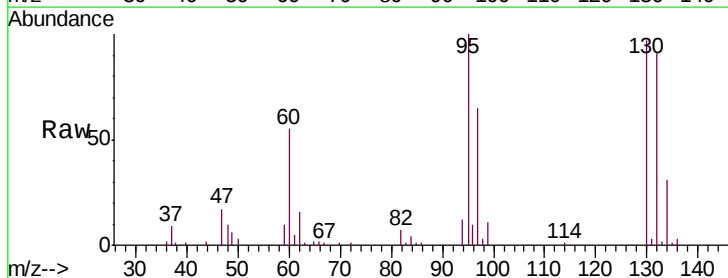
Instrument :
MSVOA_U
ClientSampleId :
CWK35DL

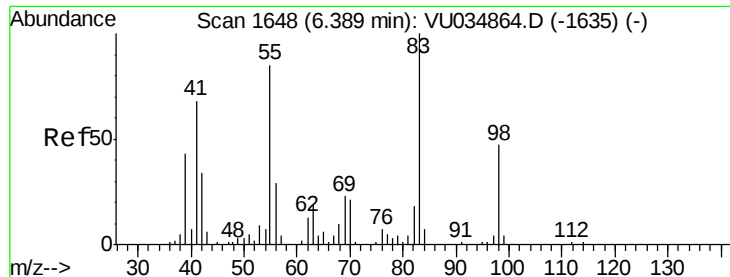
Tgt Ion: 83 Resp: 6570
Ion Ratio Lower Upper
83 100
85 62.9 42.8 79.4



#34
Trichloroethene
Concen: 10.188 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034871.D
Acq: 27 Sep 2019 13:37

Tgt Ion: 95 Resp: 56527
Ion Ratio Lower Upper
95 100
97 64.8 45.2 84.0
132 91.5 60.9 113.1
130 96.5 64.3 119.3





#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034871.D

Acq: 27 Sep 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

CWK35DL

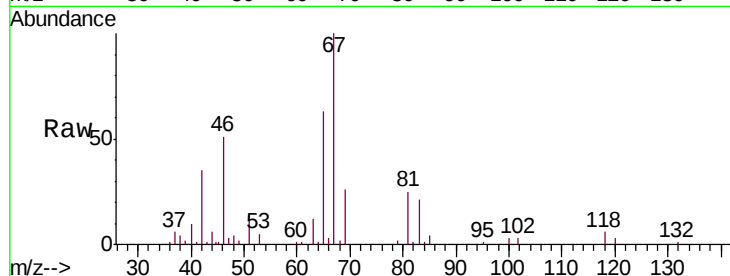
Tgt Ion: 83 Resp: 6045

Ion Ratio Lower Upper

83 100

55 0.0 66.8 100.2#

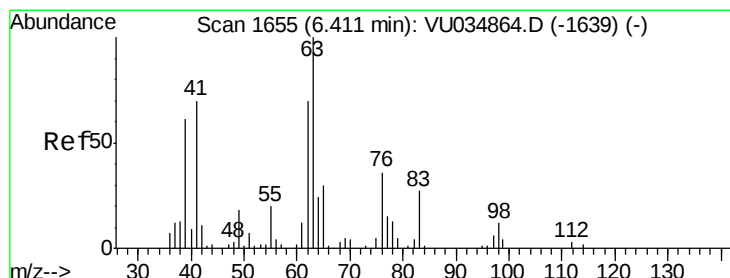
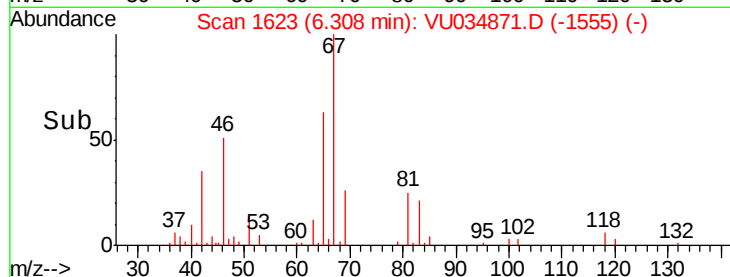
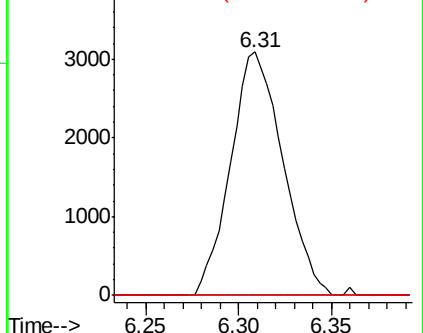
98 2.1 35.4 53.0#



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: 0.509 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU034871.D

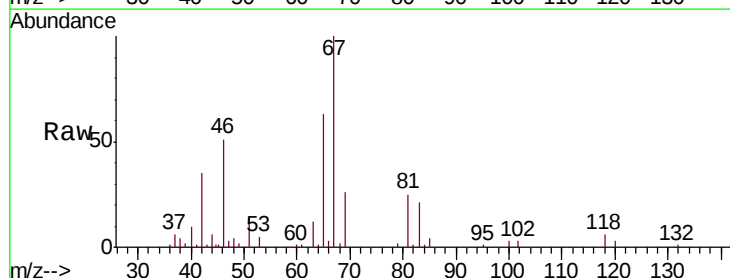
Acq: 27 Sep 2019 13:37

Tgt Ion: 63 Resp: 3500

Ion Ratio Lower Upper

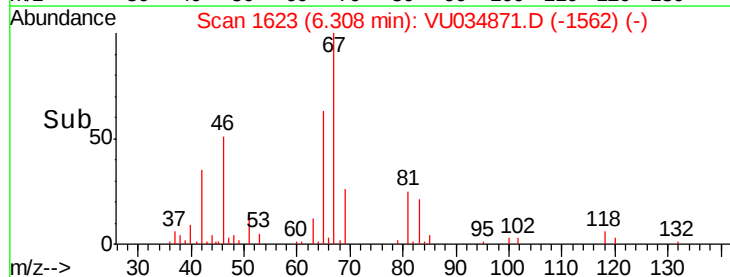
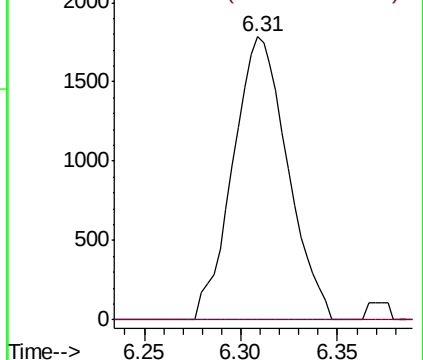
63 100

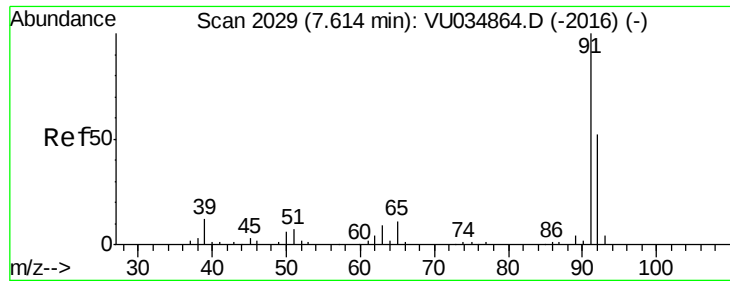
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.294 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034871.D

Acq: 27 Sep 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

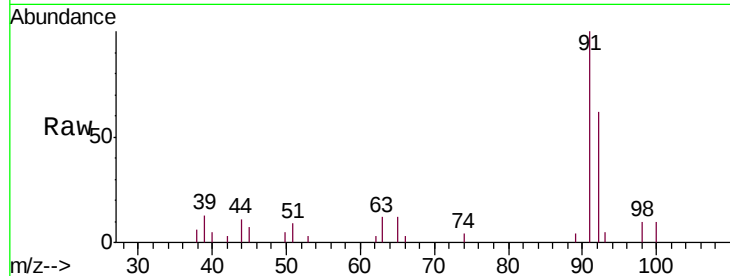
CWK35DL

Tgt Ion: 91 Resp: 7078

Ion Ratio Lower Upper

91 100

92 61.8 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034871.D (-2031) (-)

Ion 92.15 (91.85 to 92.85): VU034871.D (-2031) (-)

7.62

3000

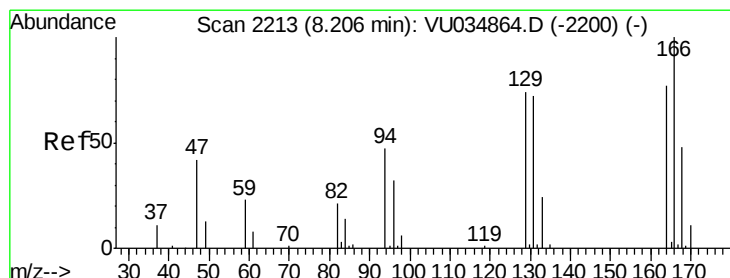
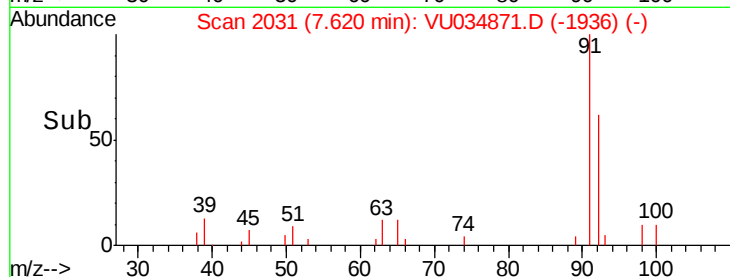
2000

1000

0

Time-->

7.55 7.60 7.65 7.70



#47

Tetrachloroethene

Concen: 0.184 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. -0.00 min

Lab File: VU034871.D

Acq: 27 Sep 2019 13:37

Tgt Ion: 164 Resp: 618

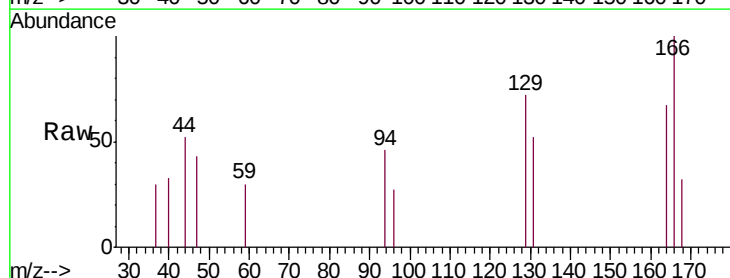
Ion Ratio Lower Upper

164 100

129 106.2 73.6 136.8

131 77.1 73.4 136.4

166 148.4 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034871.D (-2212) (-)

Ion 128.95 (128.65 to 129.65): VU034871.D (-2212) (-)

Ion 130.95 (130.65 to 131.65): VU034871.D (-2212) (-)

Ion 165.90 (165.60 to 166.60): VU034871.D (-2212) (-)

800

600

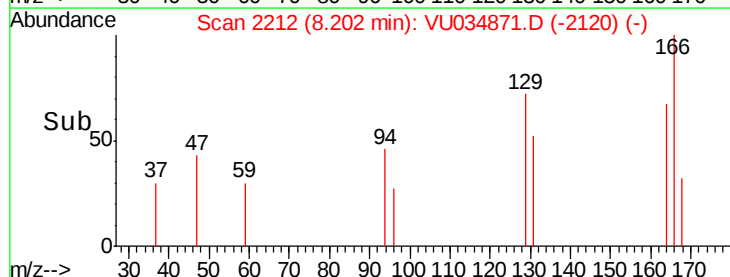
400

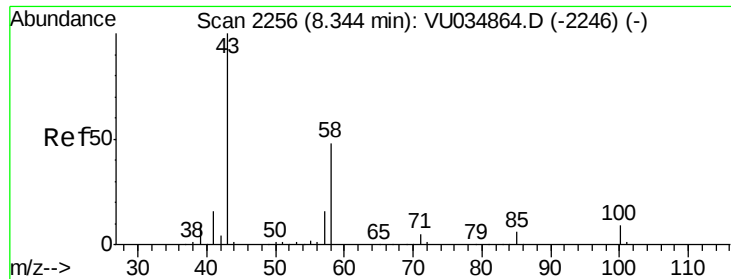
200

0

Time-->

8.20 8.25

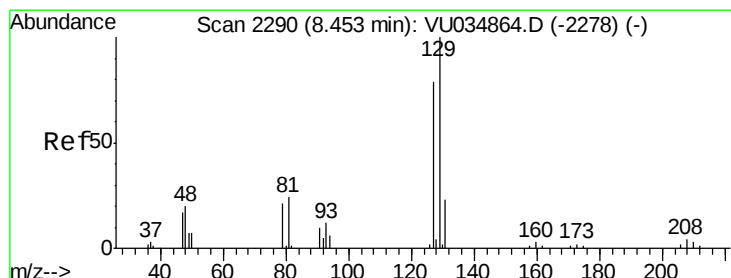
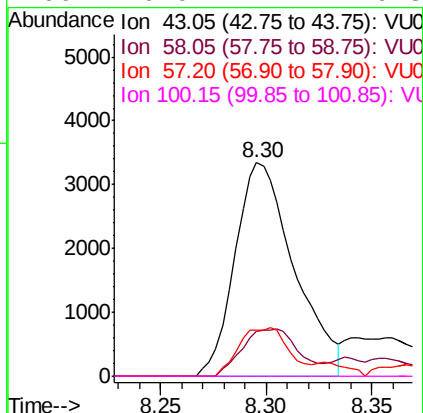
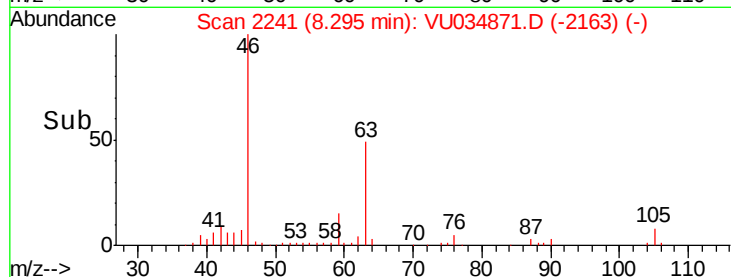
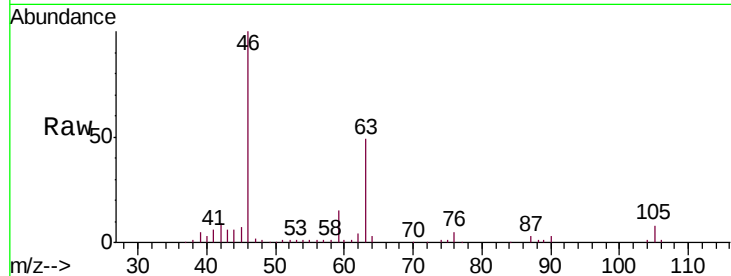




#48
2-Hexanone
Concen: 1.875 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU034871.D
Acq: 27 Sep 2019 13:37

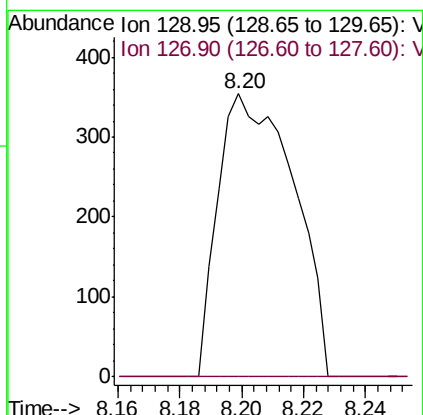
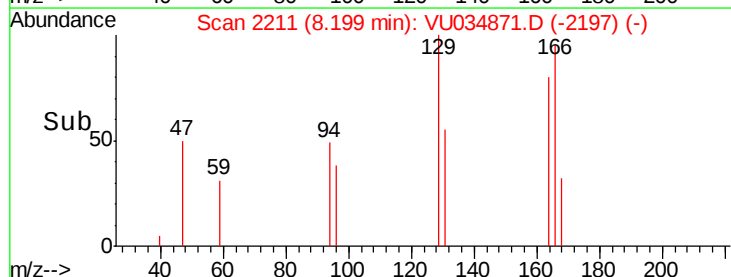
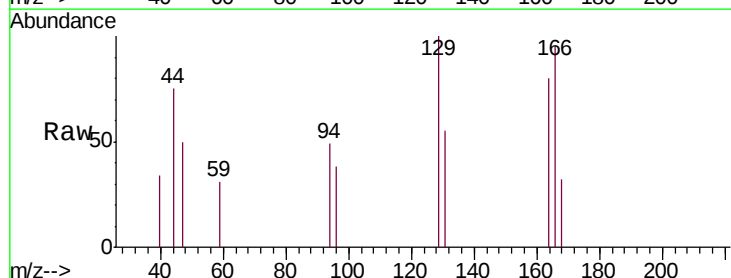
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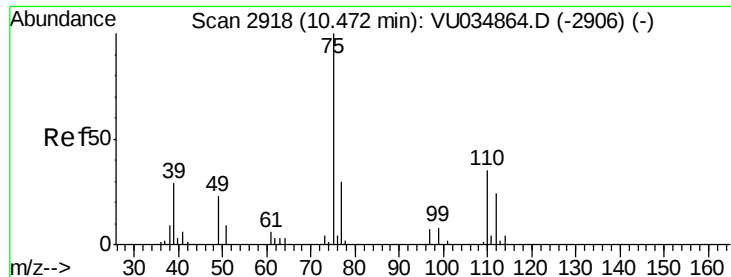
Tgt Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
58 20.6 41.2 61.8#
57 19.3 13.3 19.9
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.117 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. -0.25 min
Lab File: VU034871.D
Acq: 27 Sep 2019 13:37

Tgt Ion: 129 Resp: 602
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#





#59

1,2,3-Trichloropropane

Concen: 1.303 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034871.D

Acq: 27 Sep 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 5852

Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0

