

Data File : VU034869.D
Acq On : 27 Sep 2019 12:49
Operator : JC/SP
Sample : K5044-01DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK33DL

Quant Time: Sep 28 00:31:09 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	83061	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	81390	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	36662	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	27580	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.67	69	23136	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.26	63	40542	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.18	46	72702	44.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.50%
24) Chloroform-d	4.62	84	34555	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.60%#
26) 1,2-Dichloroethane-d4	5.29	65	22806	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
32) Benzene-d6	5.31	84	85211	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.31	67	30332	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	7.54	98	81220	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	7.84	79	8797	2.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.40%
46) 2-Hexanone-d5	8.30	63	50426	38.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.64%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	21467	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	26049	4.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.40%

Target Compounds

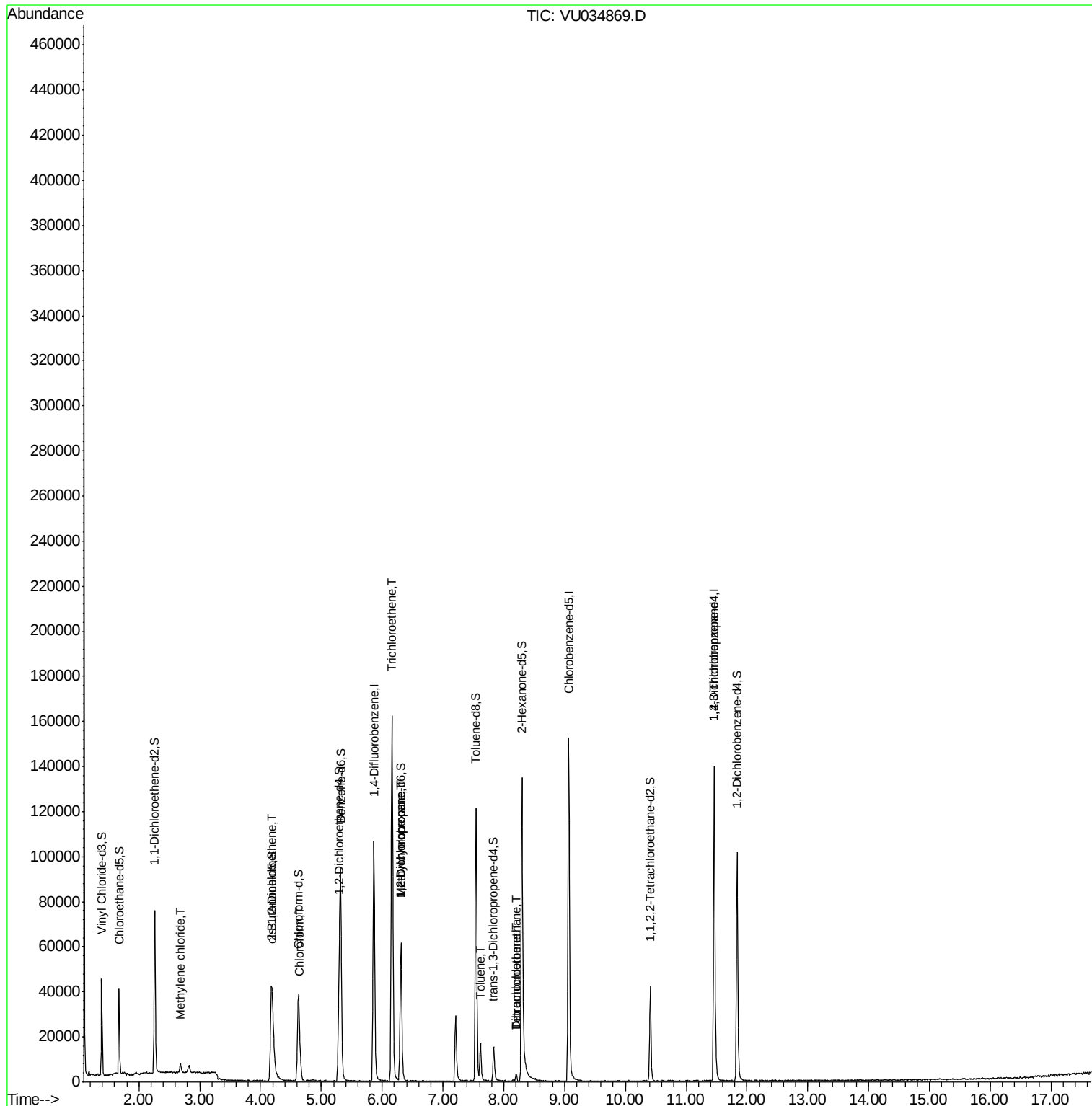
					Qvalue
16) Methylene chloride	2.68	84	1253	0.230 ug/L	77
22) cis-1,2-Dichloroethene	4.20	96	6202	1.089 ug/L	83
25) Chloroform	4.65	83	7656	0.659 ug/L	97
34) Trichloroethene	6.16	95	55645	10.144 ug/L	96
35) Methylcyclohexane	6.31	83	6144	0.693 ug/L #	16
37) 1,2-Dichloropropane	6.31	63	3180	0.468 ug/L #	92
42) Toluene	7.62	91	11421	0.480 ug/L	97
47) Tetrachloroethene	8.21	164	647	0.195 ug/L	98
49) Dibromochloromethane	8.21	129	650	0.128 ug/L #	12
59) 1,2,3-Trichloropropane	11.46	75	5742	1.294 ug/L	91

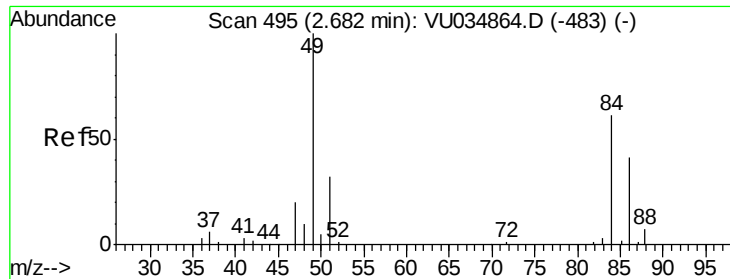
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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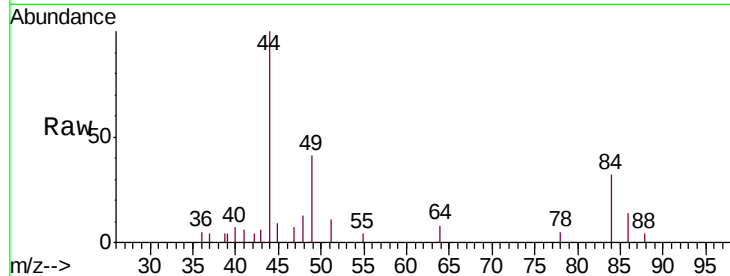




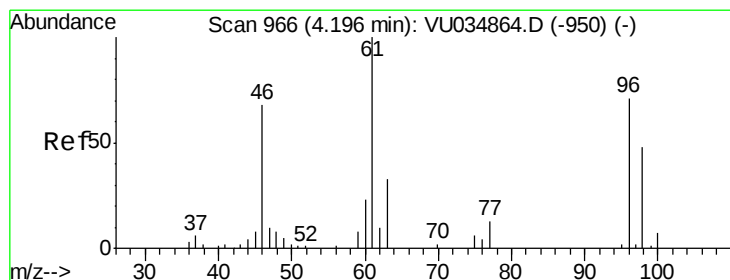
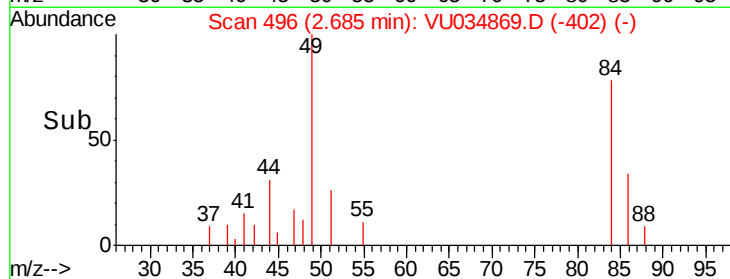
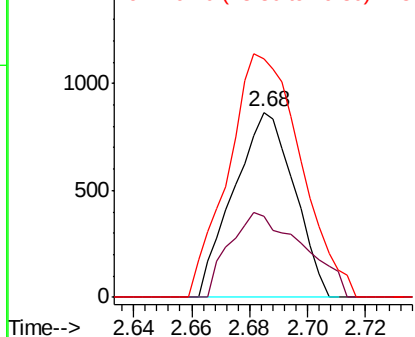
#16
Methylene chloride
Concen: 0.230 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034869.D
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Instrument :
MSVOA_U
ClientSampleId :
CWK33DL

Tgt Ion: 84 Resp: 1253
Ion Ratio Lower Upper
84 100
86 43.5 43.0 80.0
49 128.9 110.9 205.9

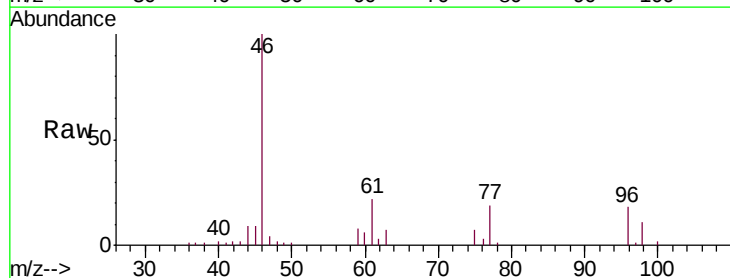


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

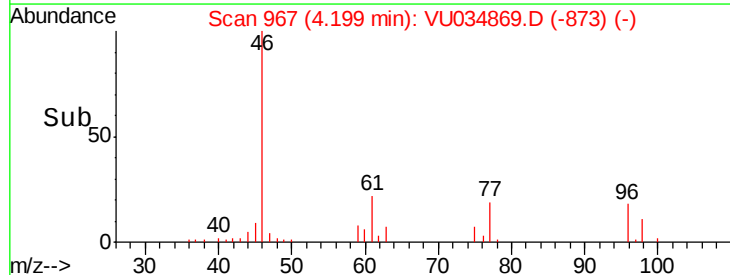
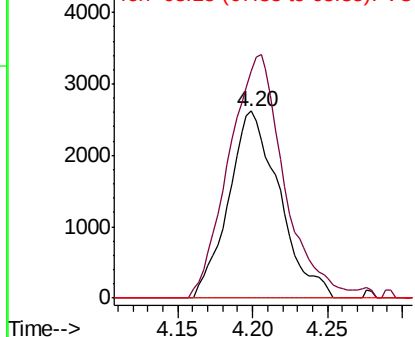


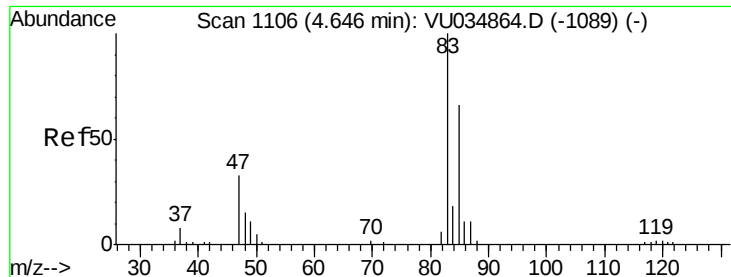
#22
cis-1,2-Dichloroethene
Concen: 1.089 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034869.D
Acq: 27 Sep 2019 12:49

Tgt Ion: 96 Resp: 6202
Ion Ratio Lower Upper
96 100
61 121.4 100.0 185.8
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: 0.659 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034869.D

Acq: 27 Sep 2019 12:49

Instrument :

MSVOA_U

ClientSampleId :

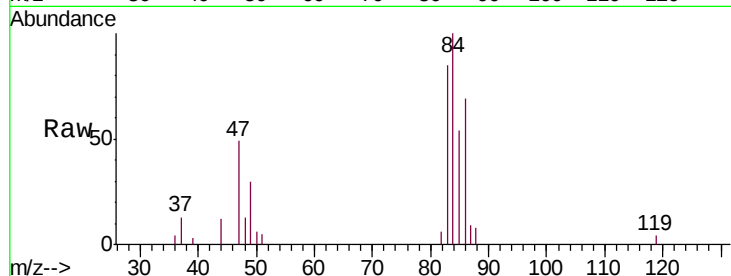
CWK33DL

Tgt Ion: 83 Resp: 7656

Ion Ratio Lower Upper

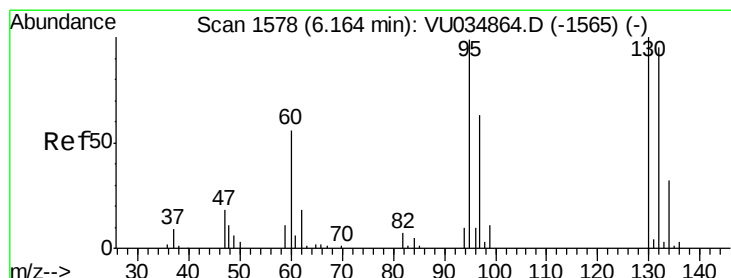
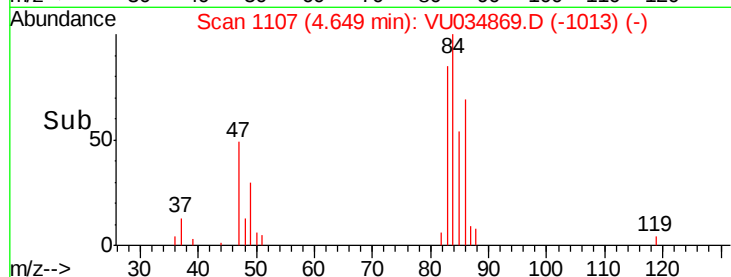
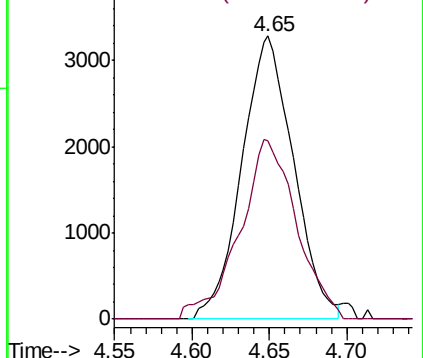
83 100

85 63.1 42.8 79.4



Abundance Ion 83.05 (82.75 to 83.75): VU034869.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU034869.D (-1089) (-)



#34

Trichloroethene

Concen: 10.144 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034869.D

Acq: 27 Sep 2019 12:49

Tgt Ion: 95 Resp: 55645

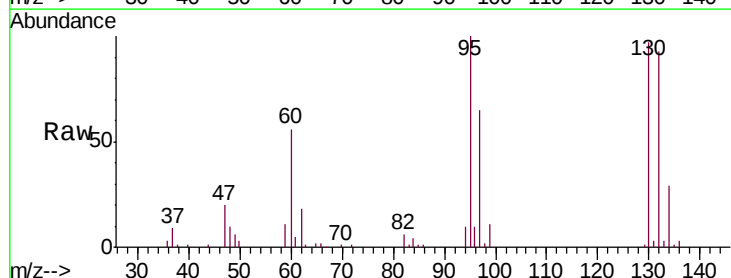
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 92.8 60.9 113.1

130 96.7 64.3 119.3

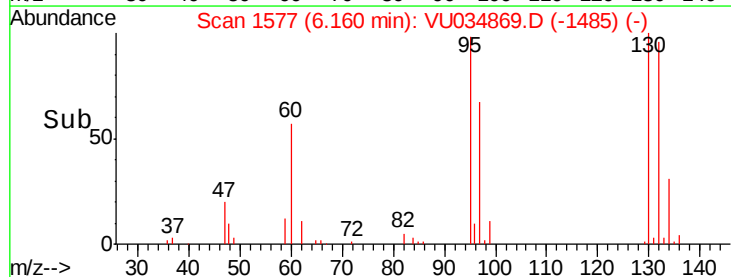
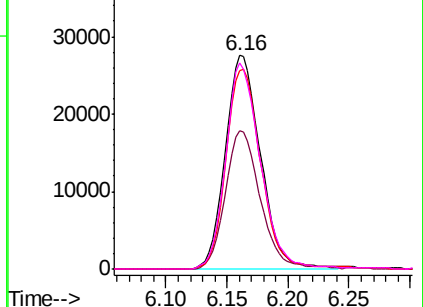


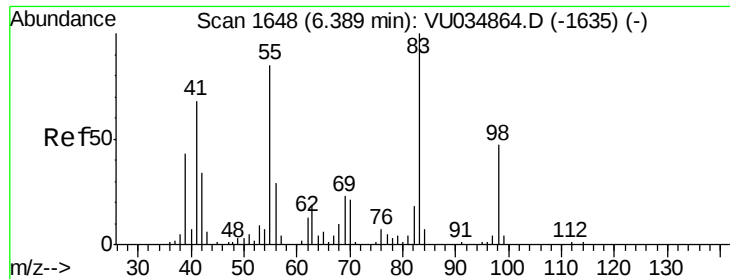
Abundance Ion 95.00 (94.70 to 95.70): VU034869.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034869.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034869.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034869.D (-1485) (-)

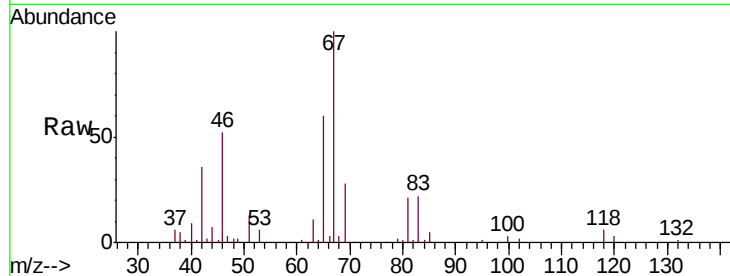




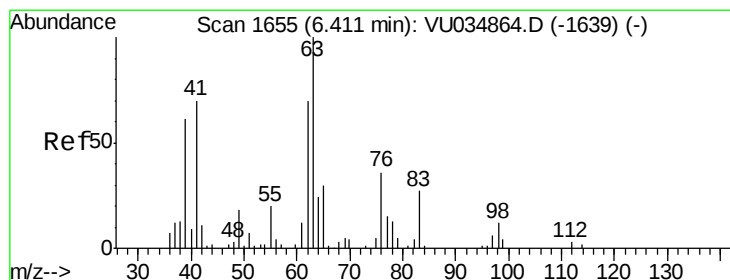
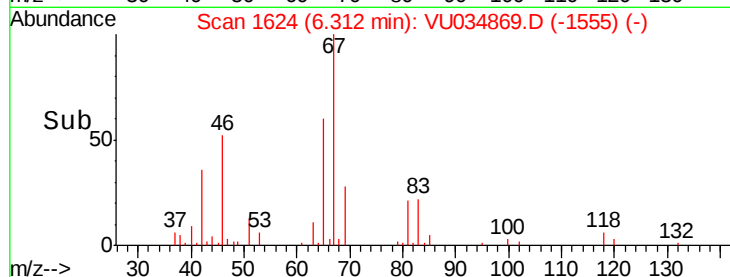
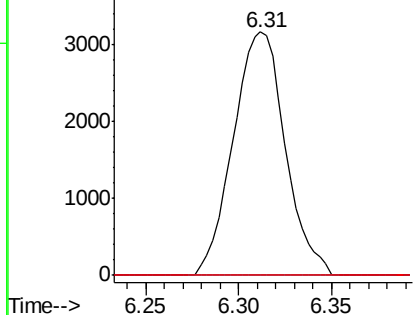
#35
Methylcyclohexane
Concen: 0.693 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU034869.D
Acq: 27 Sep 2019 12:49

Instrument :
MSVOA_U
ClientSampleId :
CWK33DL

Tgt Ion: 83 Resp: 6144
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.4 53.0#

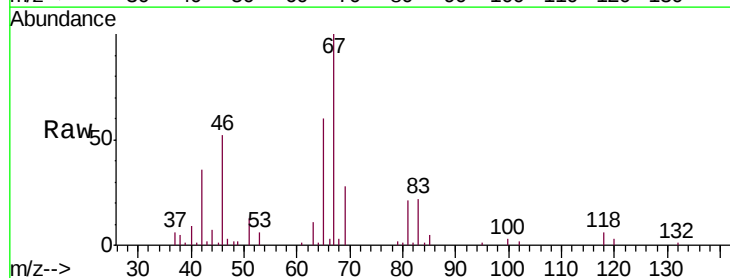


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

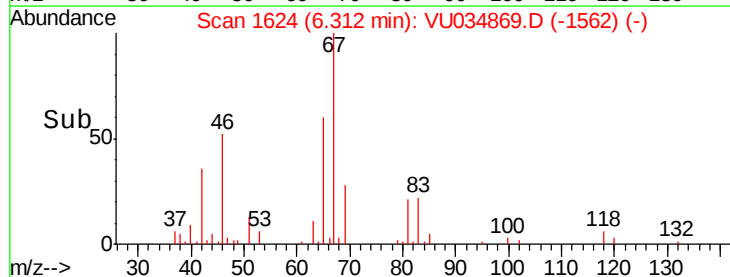
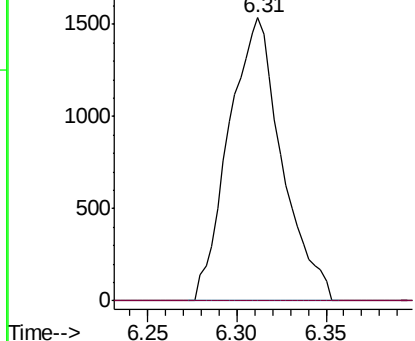


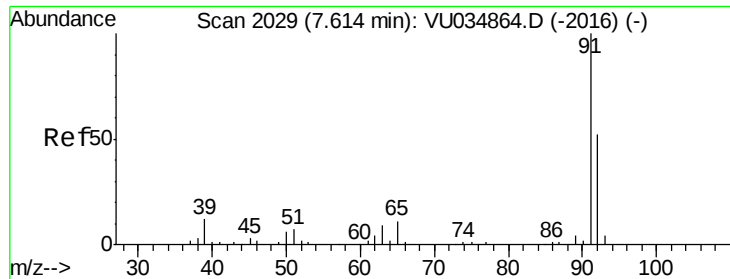
#37
1,2-Dichloropropane
Concen: 0.468 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU034869.D
Acq: 27 Sep 2019 12:49

Tgt Ion: 63 Resp: 3180
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: 0.480 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034869.D

Acq: 27 Sep 2019 12:49

Instrument :

MSVOA_U

ClientSampleId :

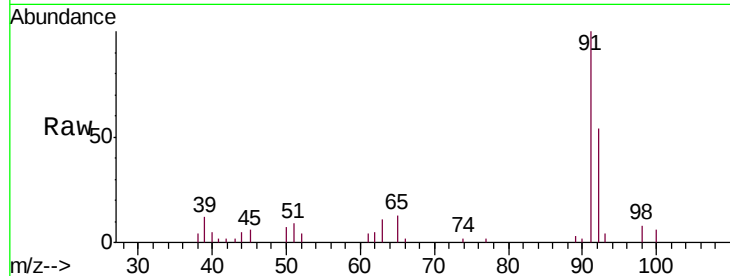
CWK33DL

Tgt Ion: 91 Resp: 11421

Ion Ratio Lower Upper

91 100

92 54.3 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034869.D (-2120) (-)

Ion 92.15 (91.85 to 92.85): VU034869.D (-2120) (-)

7.62

6000

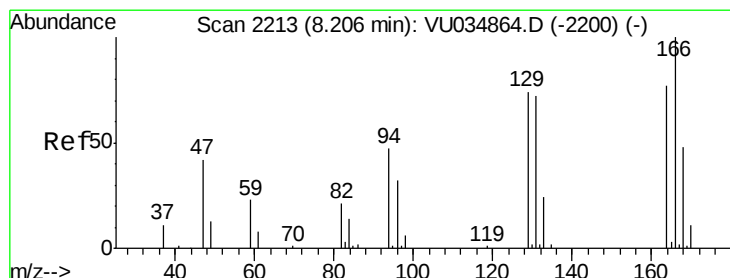
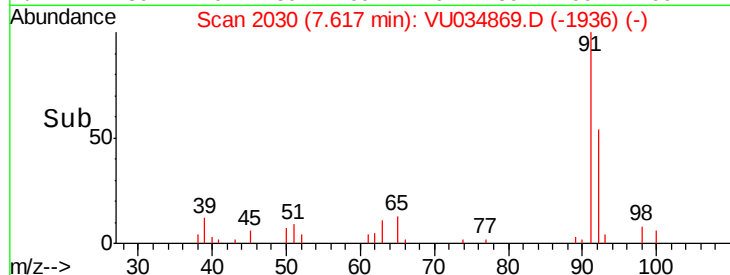
4000

2000

0

Time-->

7.55 7.60 7.65 7.70



#47

Tetrachloroethene

Concen: 0.195 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU034869.D

Acq: 27 Sep 2019 12:49

Tgt Ion: 164 Resp: 647

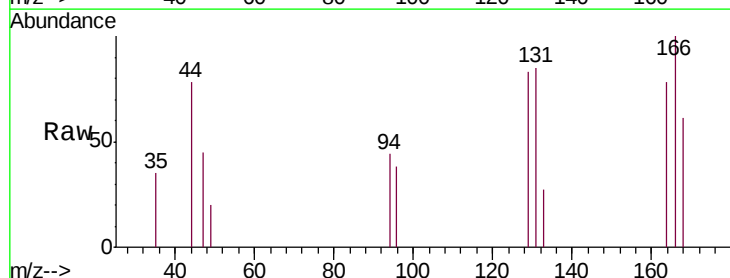
Ion Ratio Lower Upper

164 100

129 106.2 73.6 136.8

131 108.6 73.4 136.4

166 128.1 90.6 168.3



Abundance Ion 163.90 (163.60 to 164.60): VU034869.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU034869.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU034869.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU034869.D (-2120) (-)

800

600

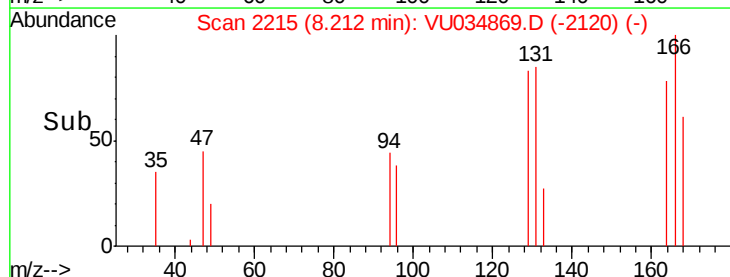
400

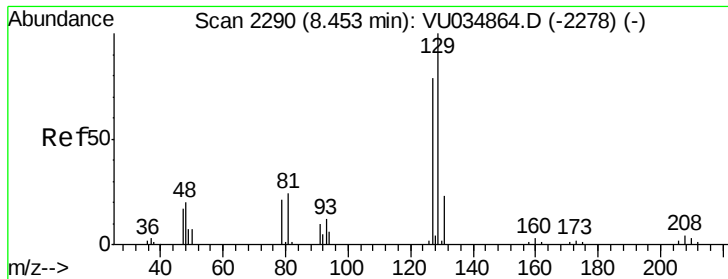
200

0

Time-->

8.16 8.18 8.20 8.22 8.24





#49

Dibromochloromethane

Concen: 0.128 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. -0.24 min

Lab File: VU034869.D

Acq: 27 Sep 2019 12:49

Instrument :

MSVOA_U

ClientSampleId :

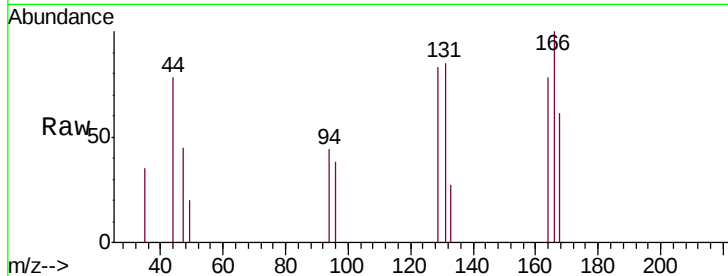
CWK33DL

Tgt Ion:129 Resp: 650

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

8.21

400

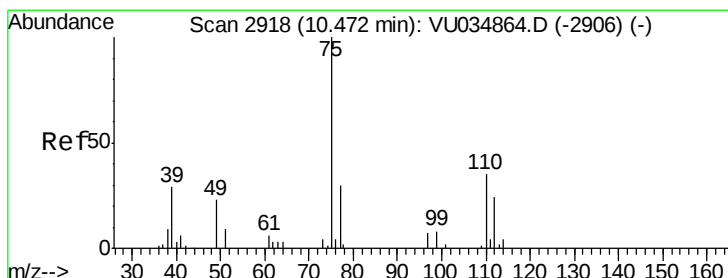
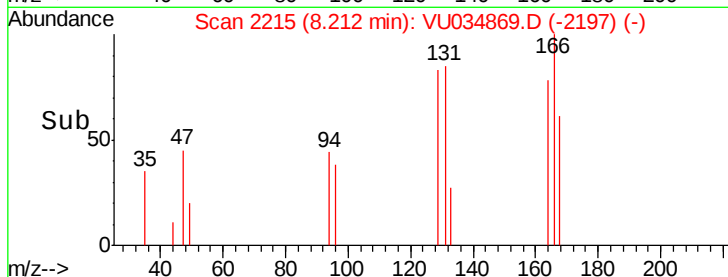
300

200

100

0

Time--> 8.16 8.18 8.20 8.22 8.24



#59

1,2,3-Trichloropropane

Concen: 1.294 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034869.D

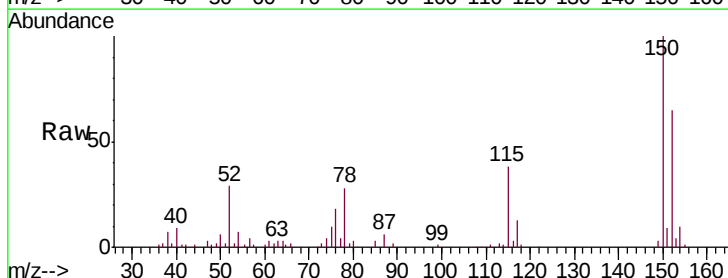
Acq: 27 Sep 2019 12:49

Tgt Ion: 75 Resp: 5742

Ion Ratio Lower Upper

75 100

77 37.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.46

3000

2000

1000

0

Time--> 11.40 11.45 11.50

