

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022720\
 Data File : VU036947.D
 Acq On : 27 Feb 2020 16:57
 Operator : JC/MD
 Sample : L1686-10ME
 Misc : 6.44g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAW07ME

Quant Time: Feb 27 23:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 22:00:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261242	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	254012	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72389	33.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.00%
7) Chloroethane-d5	1.89	69	25634	14.12	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	28.24%#
11) 1,1-Dichloroethene-d2	2.56	63	102514	27.90	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.80%#
21) 2-Butanone-d5	4.68	46	140052	95.17	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.17%
24) Chloroform-d	5.10	84	144411	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.22%
26) 1,2-Dichloroethane-d4	5.74	65	103279	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.10%
32) Benzene-d6	5.75	84	314259	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
36) 1,2-Dichloropropane-d6	6.72	67	106700	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.68%
41) Toluene-d8	7.92	98	286779	42.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.16%
43) trans-1,3-Dichloropropene-	8.20	79	46828	42.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.68%
47) 2-Hexanone-d5	8.67	63	121102	104.07	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.07%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	168702	50.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.56%
64) 1,2-Dichlorobenzene-d4	12.21	152	99356	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

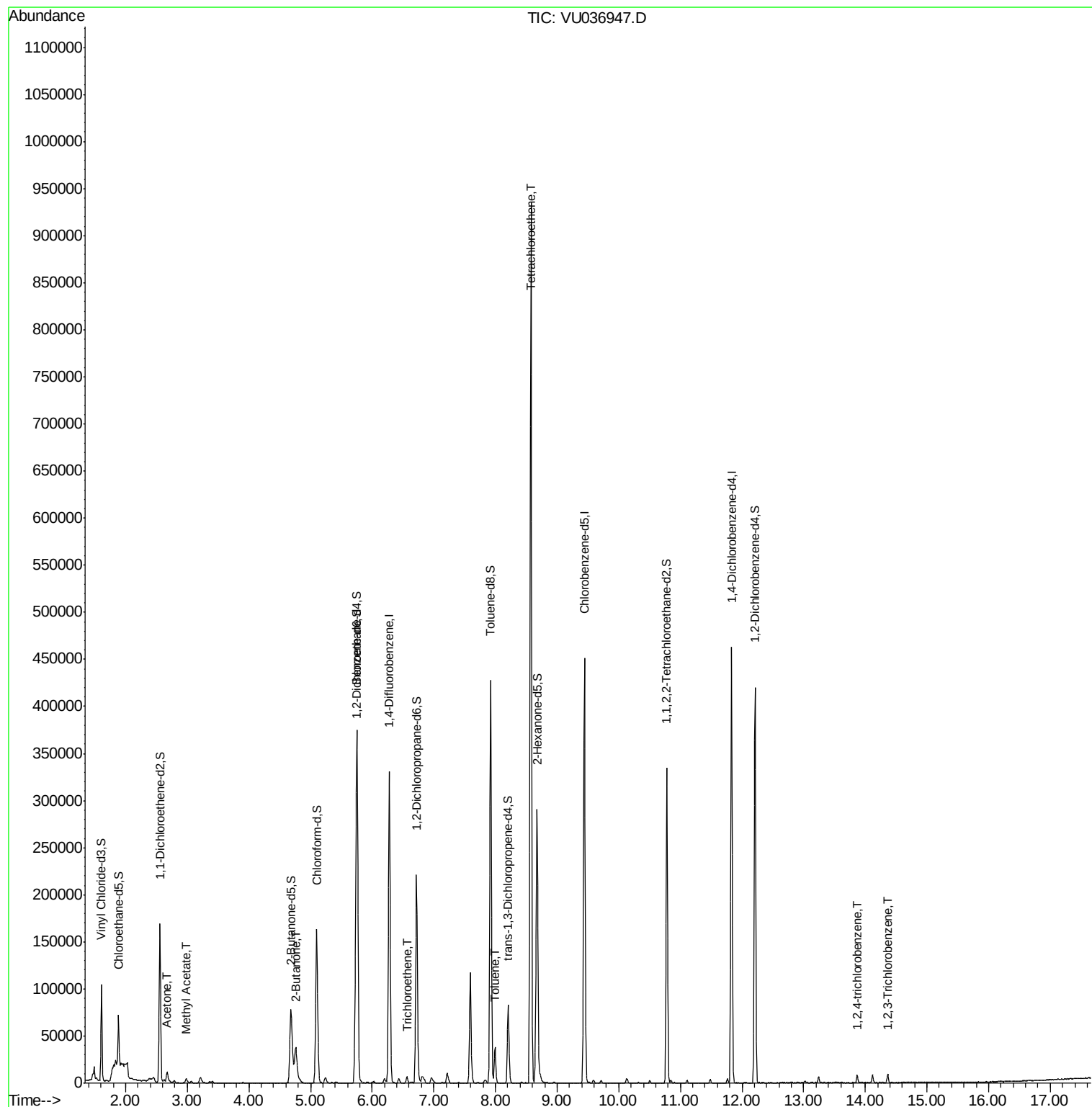
					Ovalue
13) Acetone	2.67	43	14385	9.503	ug/L 100
15) Methyl Acetate	2.99	43	5598	2.426	ug/L 96
22) 2-Butanone	4.76	43	61931	33.929	ug/L 97
34) Trichloroethene	6.57	95	2004	1.016	ug/L 88
42) Toluene	7.99	91	27859	3.259	ug/L 98
46) Tetrachloroethene	8.57	164	191051	147.041	ug/L 98
68) 1,2,4-trichlorobenzene	13.87	180	2812	1.660	ug/L 96
70) 1,2,3-Trichlorobenzene	14.36	180	2988	1.765	ug/L 97

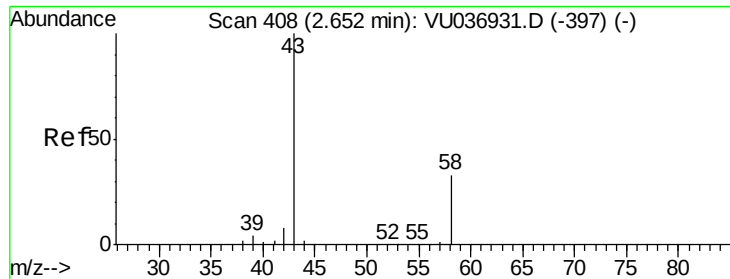
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.503 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU036947.D

Acq: 27 Feb 2020 16:57

Instrument :

MSVOA_U

ClientSampleId :

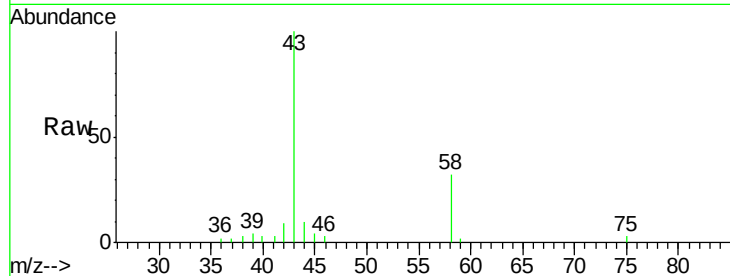
GAW07ME

Tot Ion: 43 Resp: 14385

Ion Ratio Lower Upper

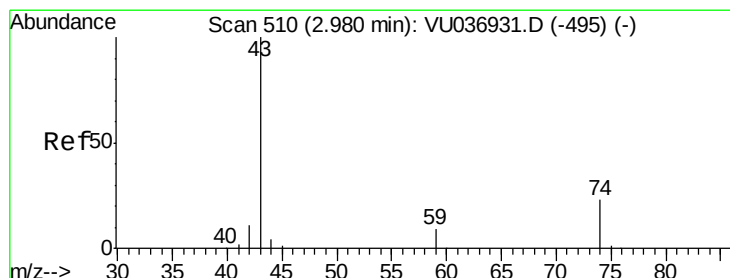
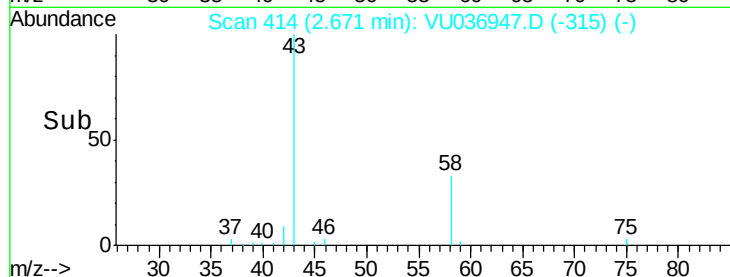
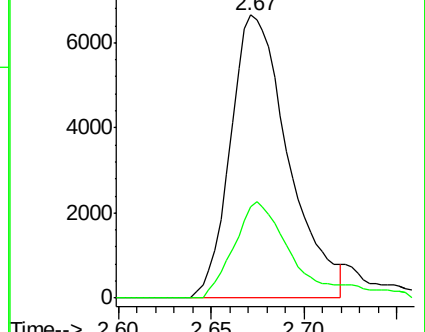
43 100

58 32.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036947.D (-414) (-)

Ion 58.00 (57.70 to 58.70): VU036947.D (-414) (-)



#15

Methyl Acetate

Concen: 2.426 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.01 min

Lab File: VU036947.D

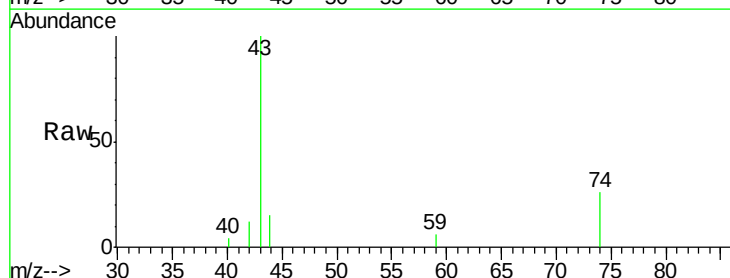
Acq: 27 Feb 2020 16:57

Tgt Ion: 43 Resp: 5598

Ion Ratio Lower Upper

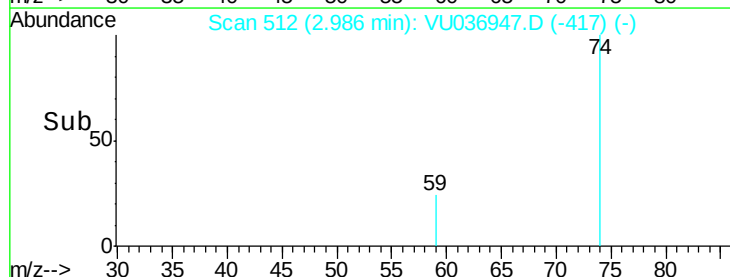
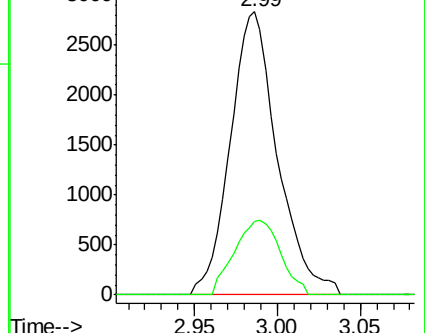
43 100

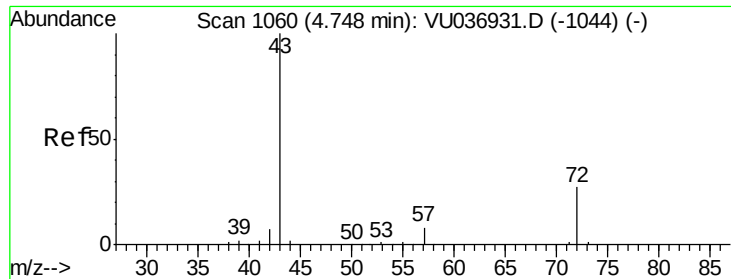
74 25.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036947.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VU036947.D (-412) (-)





#22

2-Butanone

Concen: 33.929 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036947.D

Acq: 27 Feb 2020 16:57

Instrument :

MSVOA_U

ClientSampleId :

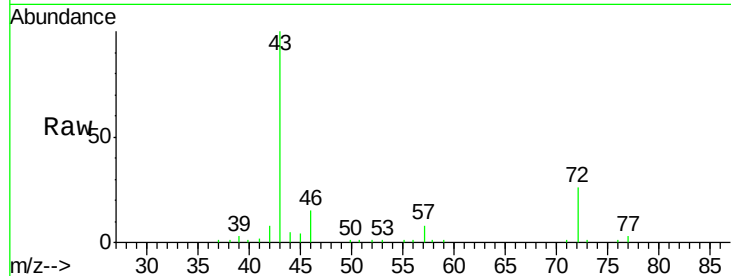
GAW07ME

Tot Ion: 43 Resp: 61931

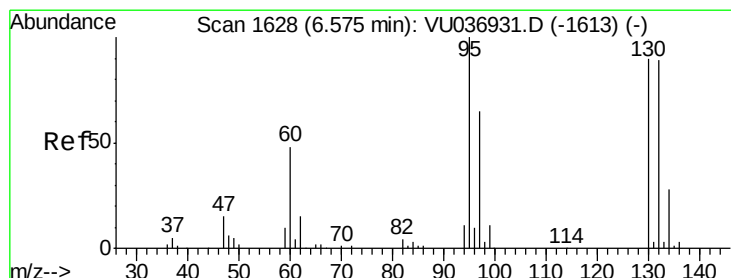
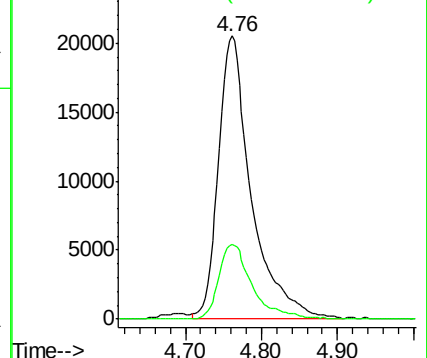
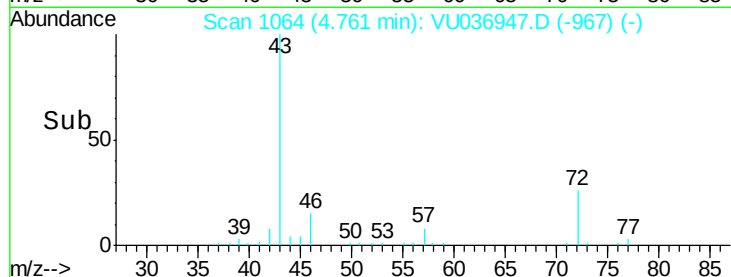
Ion Ratio Lower Upper

43 100

72 26.0 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036947.D (-967) (-)



#34

Trichloroethene

Concen: 1.016 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU036947.D

Acq: 27 Feb 2020 16:57

Tgt Ion: 95 Resp: 2004

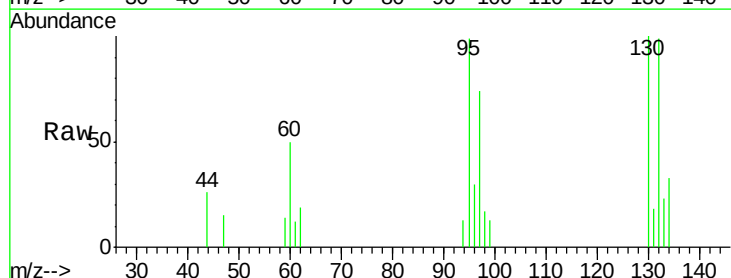
Ion Ratio Lower Upper

95 100

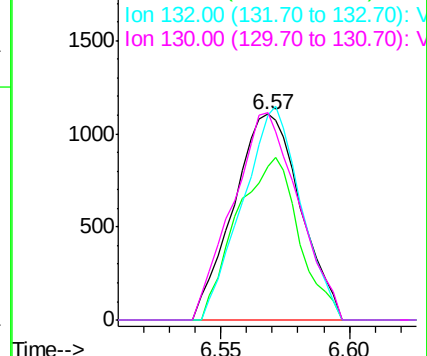
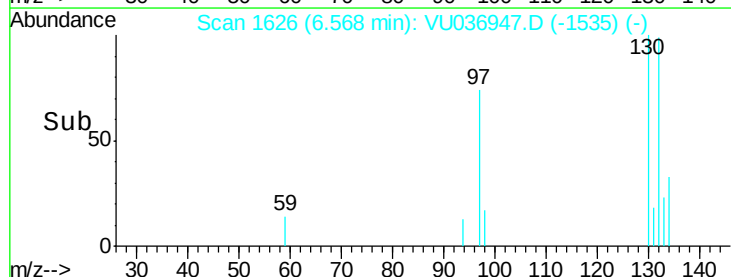
97 74.6 44.1 81.9

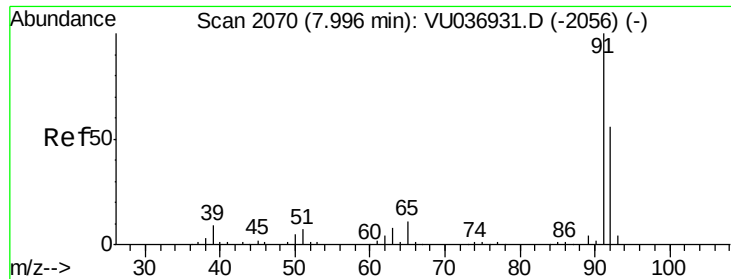
132 99.9 60.6 112.6

130 100.7 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU036947.D (-1535) (-)





#42

Toluene

Concen: 3.259 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU036947.D

Acq: 27 Feb 2020 16:57

Instrument :

MSVOA_U

ClientSampleId :

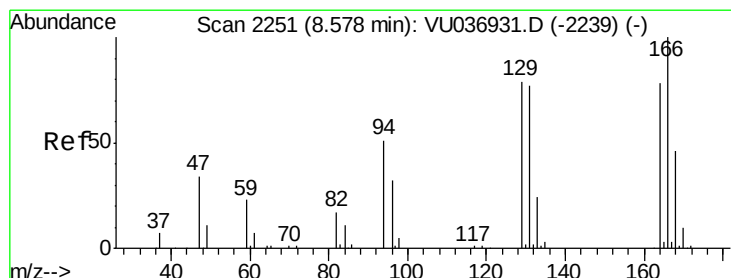
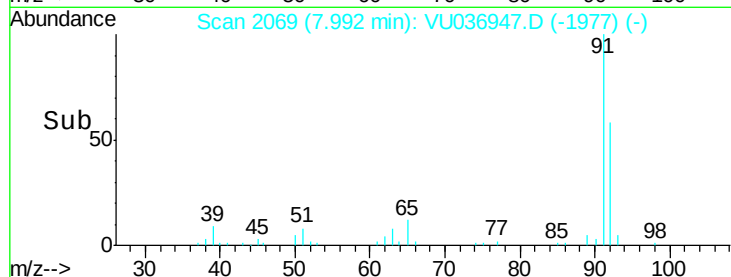
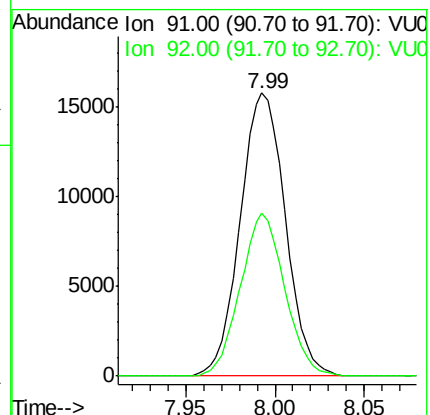
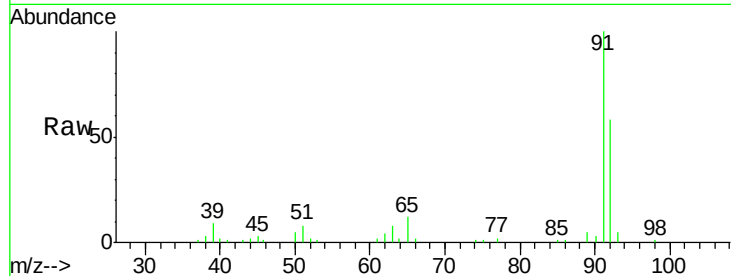
GAW07ME

Tot Ion: 91 Resp: 27859

Ion Ratio Lower Upper

91 100

92 57.5 39.4 73.2



#46

Tetrachloroethene

Concen: 147.041 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU036947.D

Acq: 27 Feb 2020 16:57

Tgt Ion: 164 Resp: 191051

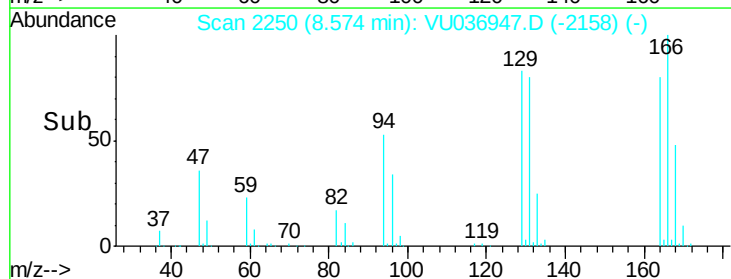
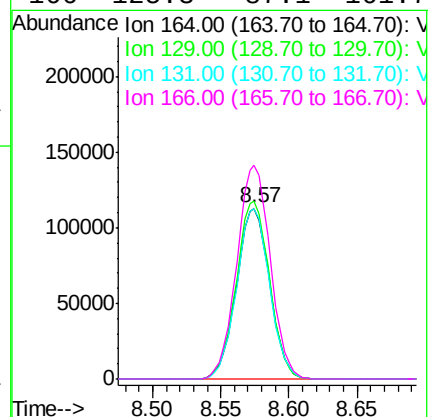
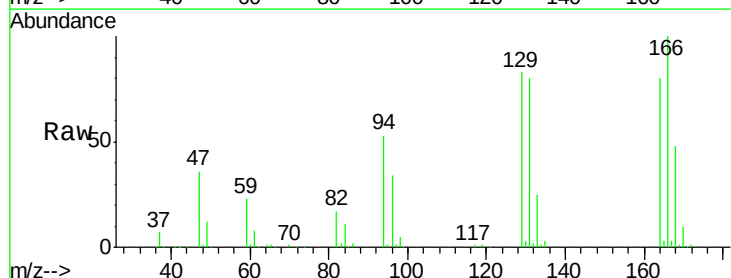
Ion Ratio Lower Upper

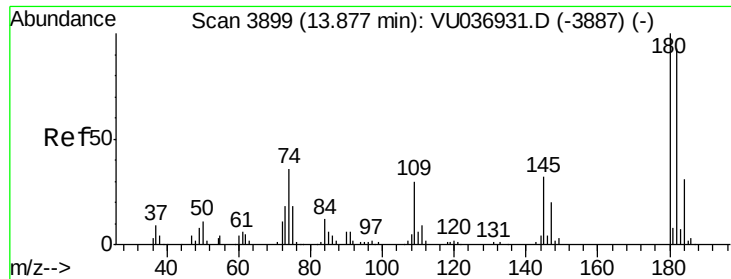
164 100

129 104.0 72.0 133.8

131 100.1 67.9 126.1

166 125.3 87.1 161.7

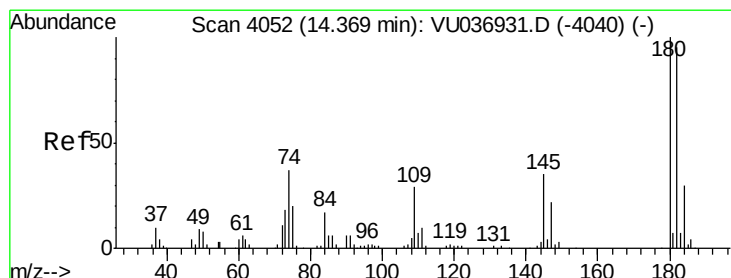
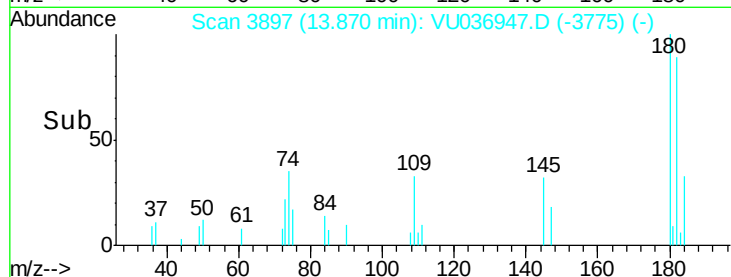
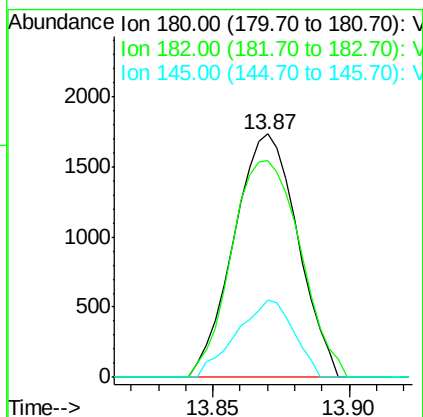
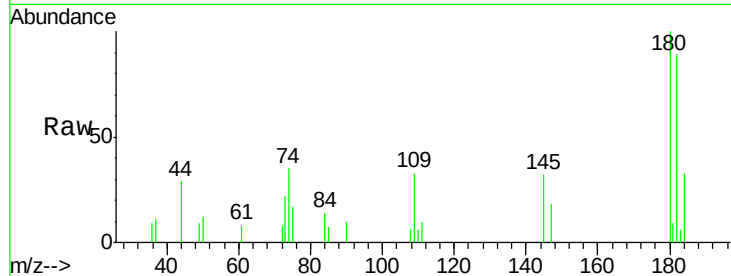




#68
 1,2,4-trichlorobenzene
 Concen: 1.660 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU036947.D
 Acq: 27 Feb 2020 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 GAW07ME

Tot Ion:180 Resp: 2812
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.3 112.9
 145 28.5 26.2 39.4



#70
 1,2,3-Trichlorobenzene
 Concen: 1.765 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.01 min
 Lab File: VU036947.D
 Acq: 27 Feb 2020 16:57

Tgt Ion:180 Resp: 2988
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 145 31.9 28.1 42.1

