

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092719\
 Data File : VU034858.D
 Acq On : 26 Sep 2019 21:40
 Operator : JC/SP
 Sample : K5044-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK37

Quant Time: Sep 27 06:47:12 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	90156	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	89288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	40742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33455	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.68	69	27838	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.26	63	48892	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.17	46	84881	48.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.26%
24) Chloroform-d	4.62	84	50194	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.29	65	26585	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.31	84	104194	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.31	67	35491	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.54	98	98197	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.83	79	12450	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.30	63	64102	44.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	25782	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	32621	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

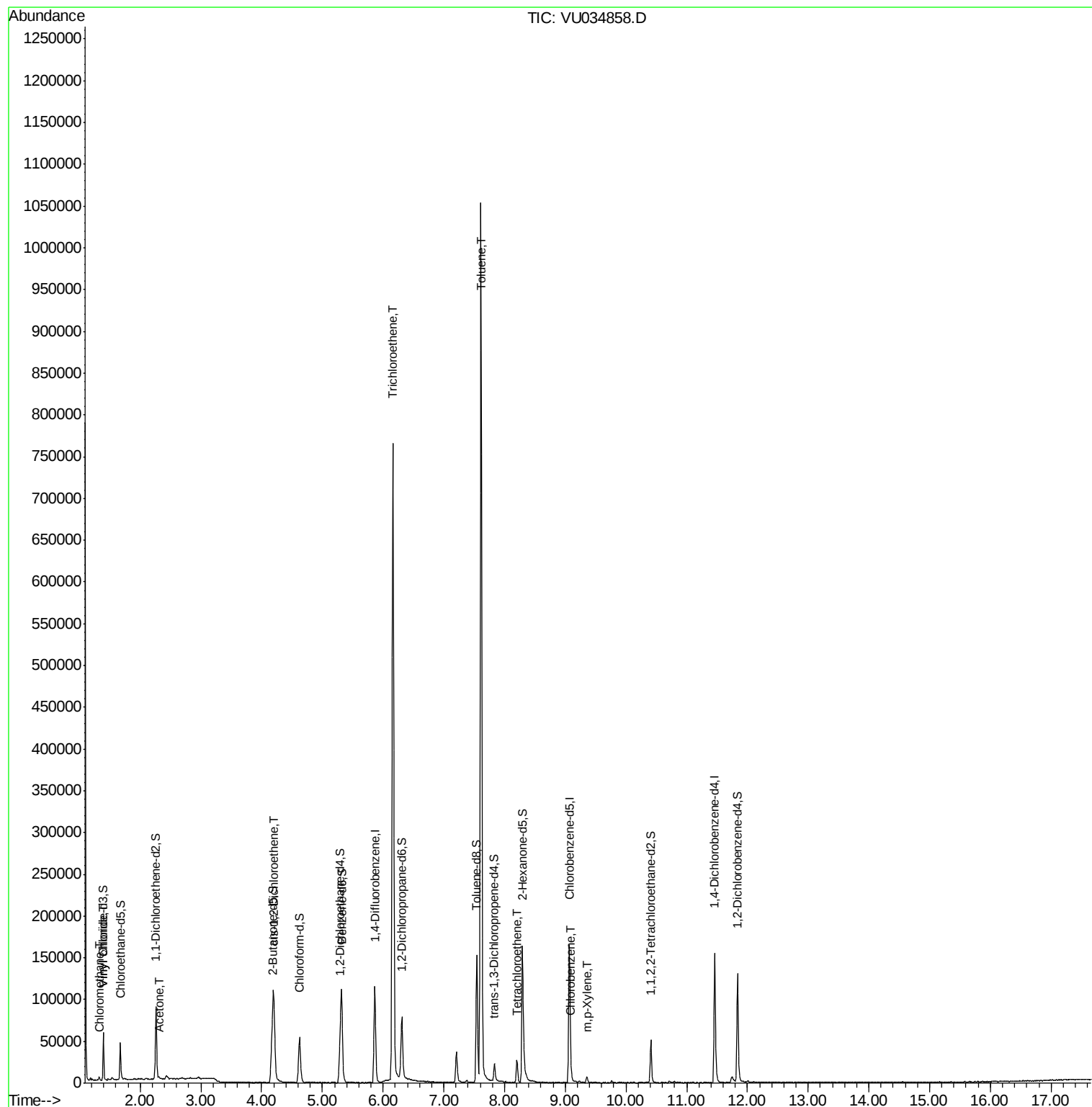
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	3152	0.490	ug/L	98
5) Vinyl chloride	1.40	62	2022	0.300	ug/L #	67
13) Acetone	2.31	43	2400	1.762	ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	50448	8.162	ug/L	95
34) Trichloroethene	6.16	95	256649	42.647	ug/L	98
42) Toluene	7.61	91	737181	28.256	ug/L	99
47) Tetrachloroethene	8.21	164	5596	1.534	ug/L	95
51) Chlorobenzene	9.10	112	2716	0.166	ug/L	93
53) m,p-Xylene	9.35	106	1893	0.177	ug/L	75

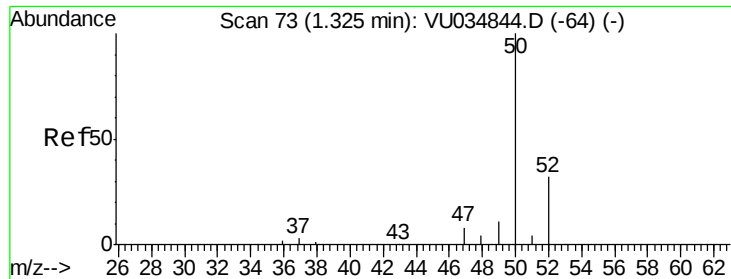
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.490 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

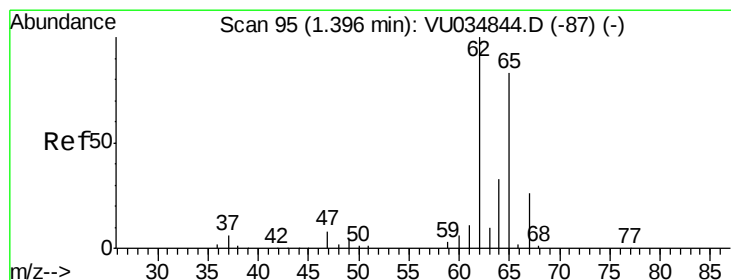
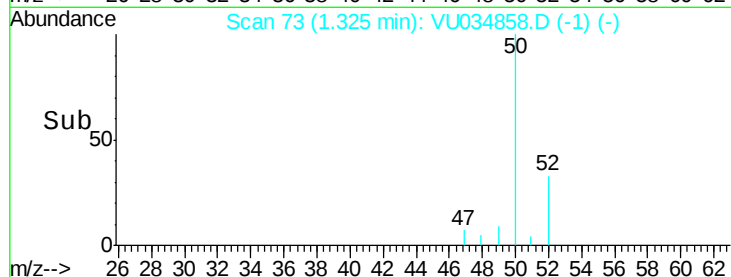
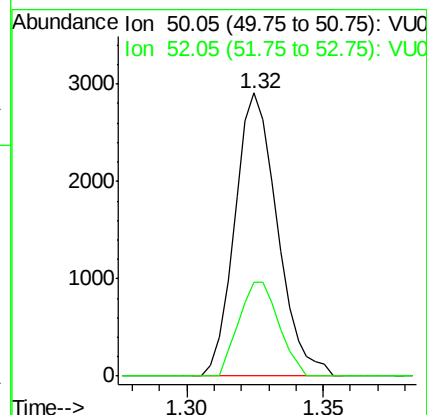
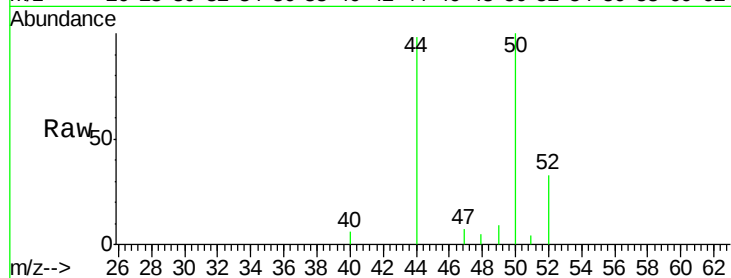
CWK37

Tot Ion: 50 Resp: 3152

Ion Ratio Lower Upper

50 100

52 33.0 23.9 44.3



#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034858.D

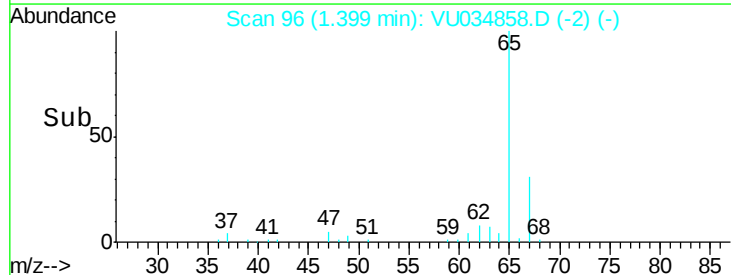
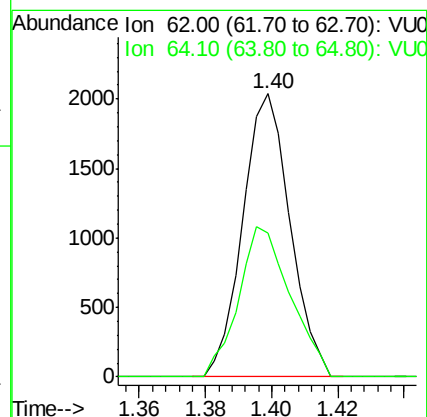
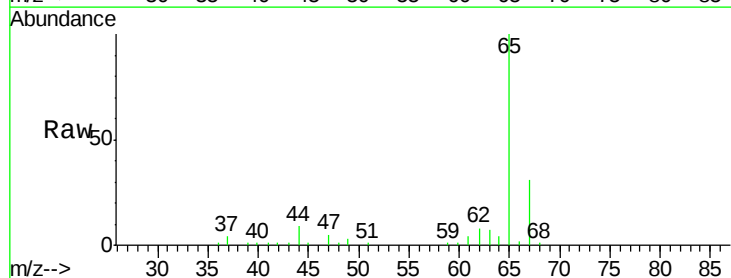
Acq: 26 Sep 2019 21:40

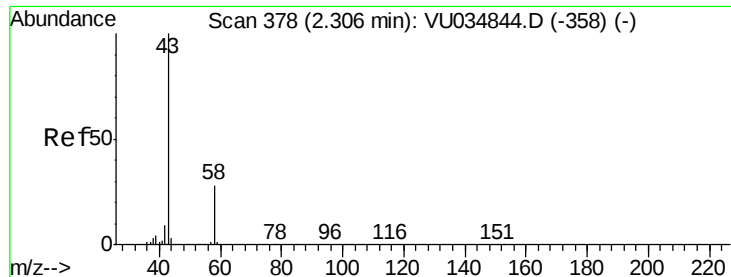
Tgt Ion: 62 Resp: 2022

Ion Ratio Lower Upper

62 100

64 50.9 22.7 42.1#





#13

Acetone

Concen: 1.762 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

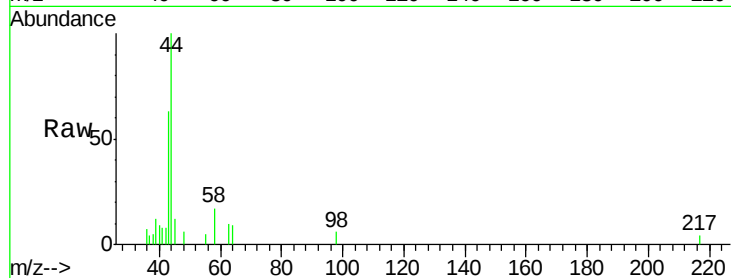
CWK37

Tot Ion: 43 Resp: 2400

Ion Ratio Lower Upper

43 100

58 32.1 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2000

1500

1000

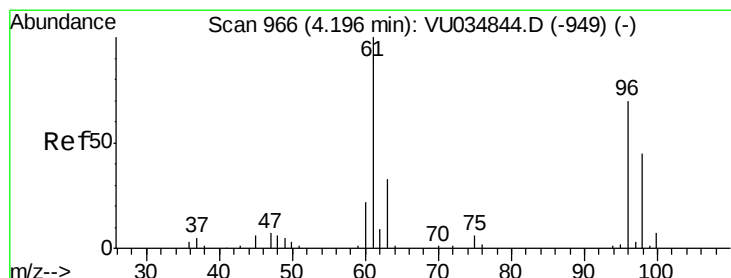
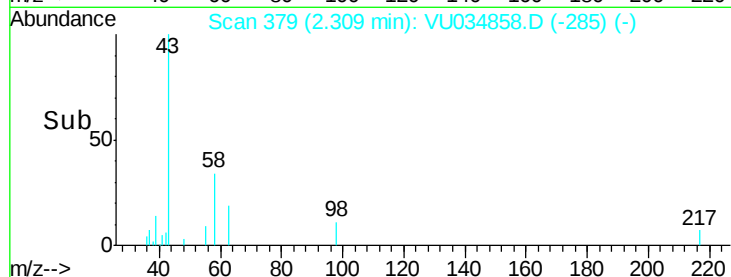
500

0

Time-->

2.31

2.35



#22

cis-1,2-Dichloroethene

Concen: 8.162 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034858.D

Acq: 26 Sep 2019 21:40

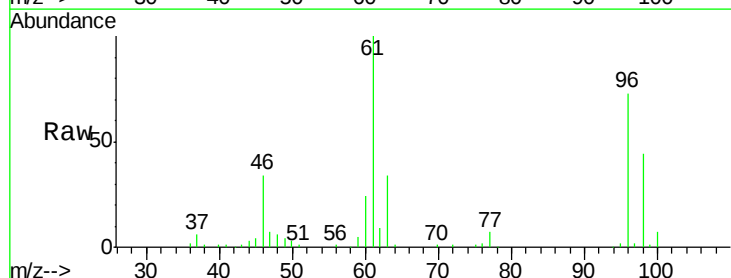
Tgt Ion: 96 Resp: 50448

Ion Ratio Lower Upper

96 100

61 137.2 100.0 185.8

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

30000

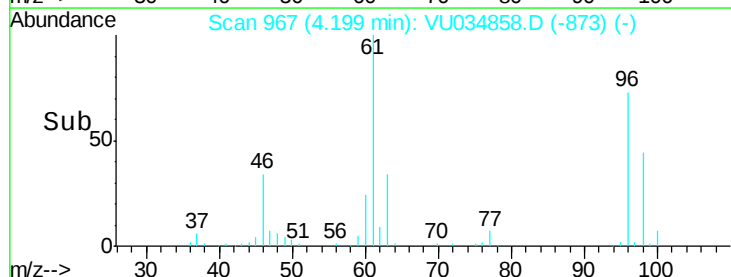
20000

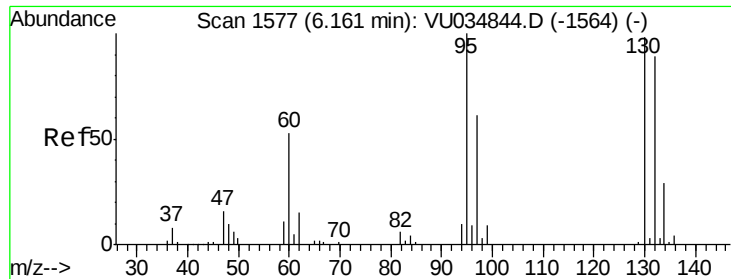
10000

0

Time-->

4.20

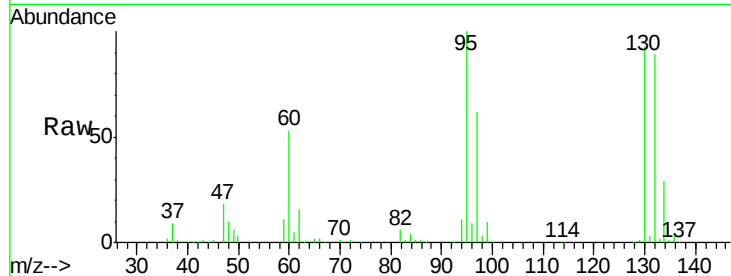




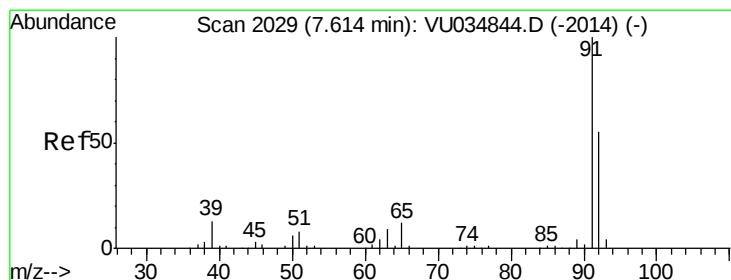
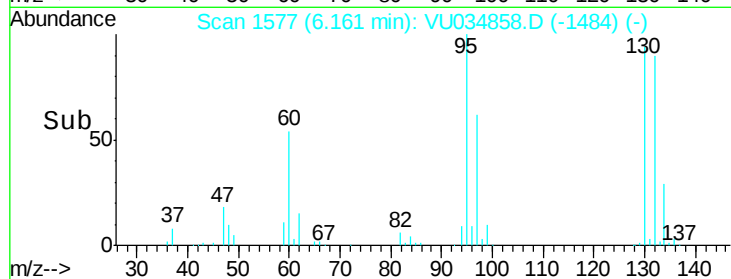
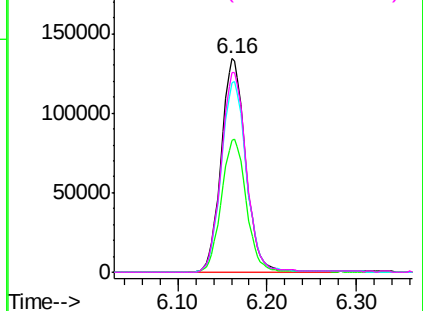
#34
 Trichloroethene
 Concen: 42.647 ug/L
 RT: 6.16 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK37

Tot Ion: 95 Resp: 256649
 Ion Ratio Lower Upper
 95 100
 97 61.6 45.2 84.0
 132 88.7 60.9 113.1
 130 93.4 64.3 119.3

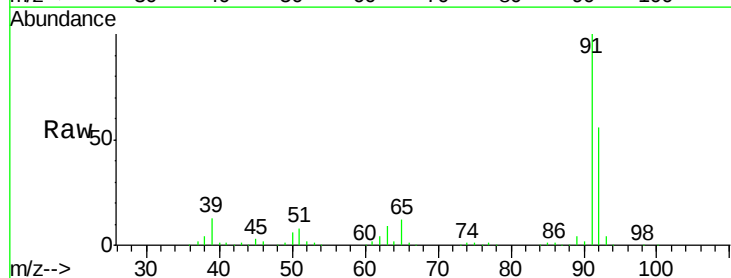


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

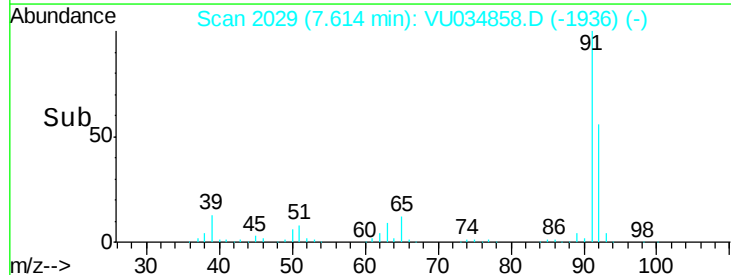
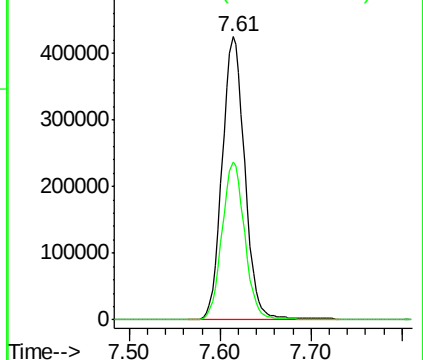


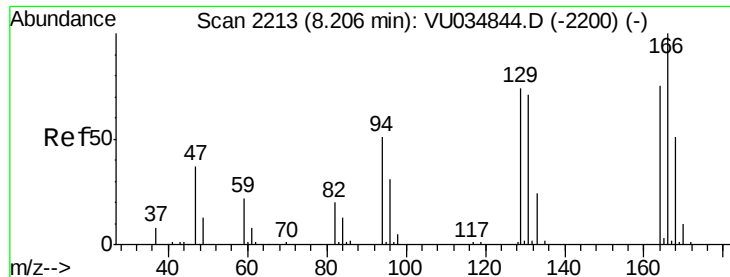
#42
 Toluene
 Concen: 28.256 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Tgt Ion: 91 Resp: 737181
 Ion Ratio Lower Upper
 91 100
 92 55.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

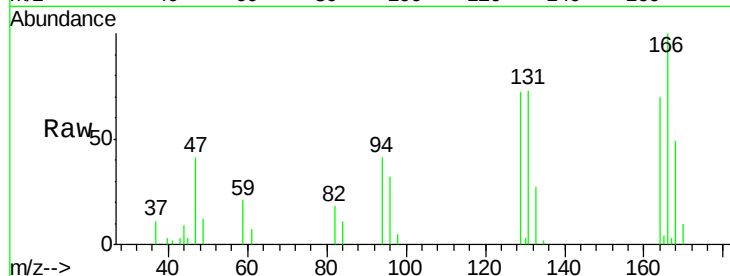




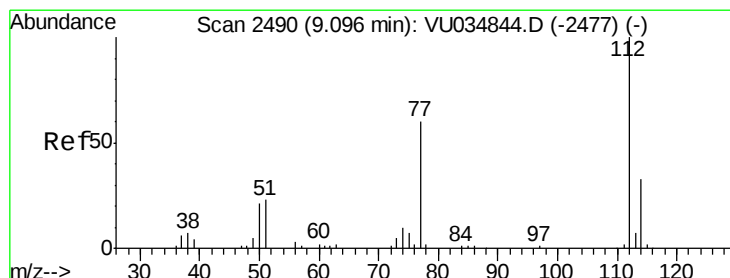
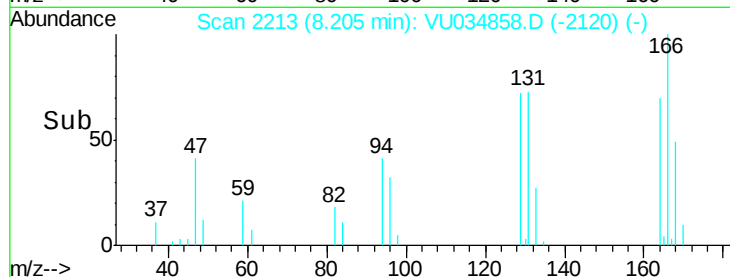
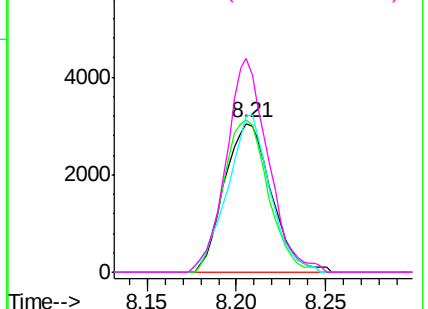
#47
Tetrachloroethene
Concen: 1.534 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034858.D
Acq: 26 Sep 2019 21:40

Instrument :
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Tot Ion:164 Resp: 5596
Ion Ratio Lower Upper
164 100
129 102.9 73.6 136.8
131 104.8 73.4 136.4
166 143.8 90.6 168.3

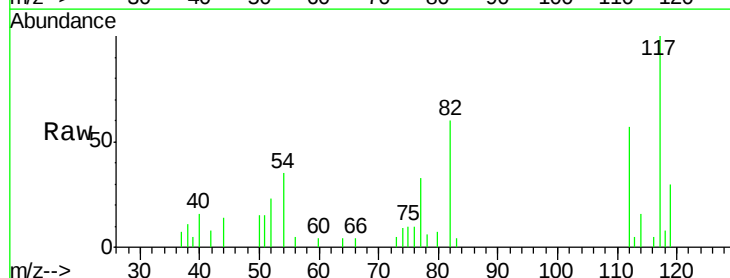


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

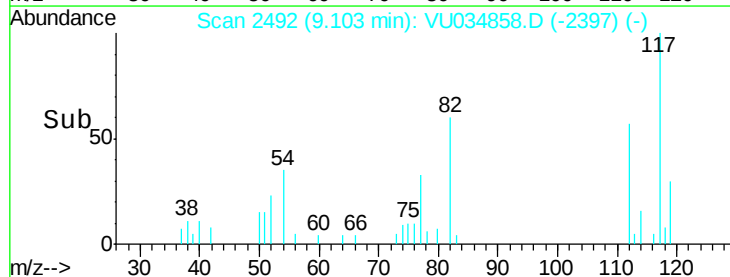
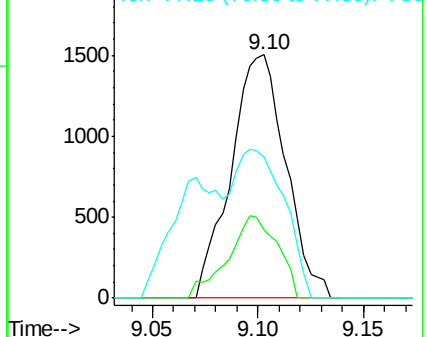


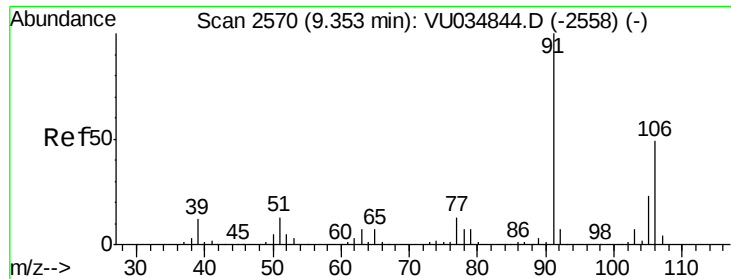
#51
Chlorobenzene
Concen: 0.166 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.01 min
Lab File: VU034858.D
Acq: 26 Sep 2019 21:40

Tgt Ion:112 Resp: 2716
Ion Ratio Lower Upper
112 100
114 28.2 22.5 41.7
77 57.9 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#53
 m,p-Xylene
 Concen: 0.177 ug/L
 RT: 9.35 min Scan# 2570
 Delta R.T. -0.00 min
 Lab File: VU034858.D
 Acq: 26 Sep 2019 21:40

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK37

Tot Ion:106 Resp: 1893
 Ion Ratio Lower Upper
 106 100
 91 250.2 147.8 274.4

