

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092719\
 Data File : VU034854.D
 Acq On : 26 Sep 2019 20:02
 Operator : JC/SP
 Sample : K5044-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK34

Quant Time: Sep 27 05:58:23 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	94017	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	90400	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	42415	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33938	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.67	69	29303	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.26	63	52760	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.17	46	90856	49.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.82%
24) Chloroform-d	4.62	84	51940	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.29	65	30089	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.31	84	110762	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.31	67	37564	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.54	98	103110	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.83	79	12510	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.30	63	66664	45.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.22%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	27743	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	34669	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

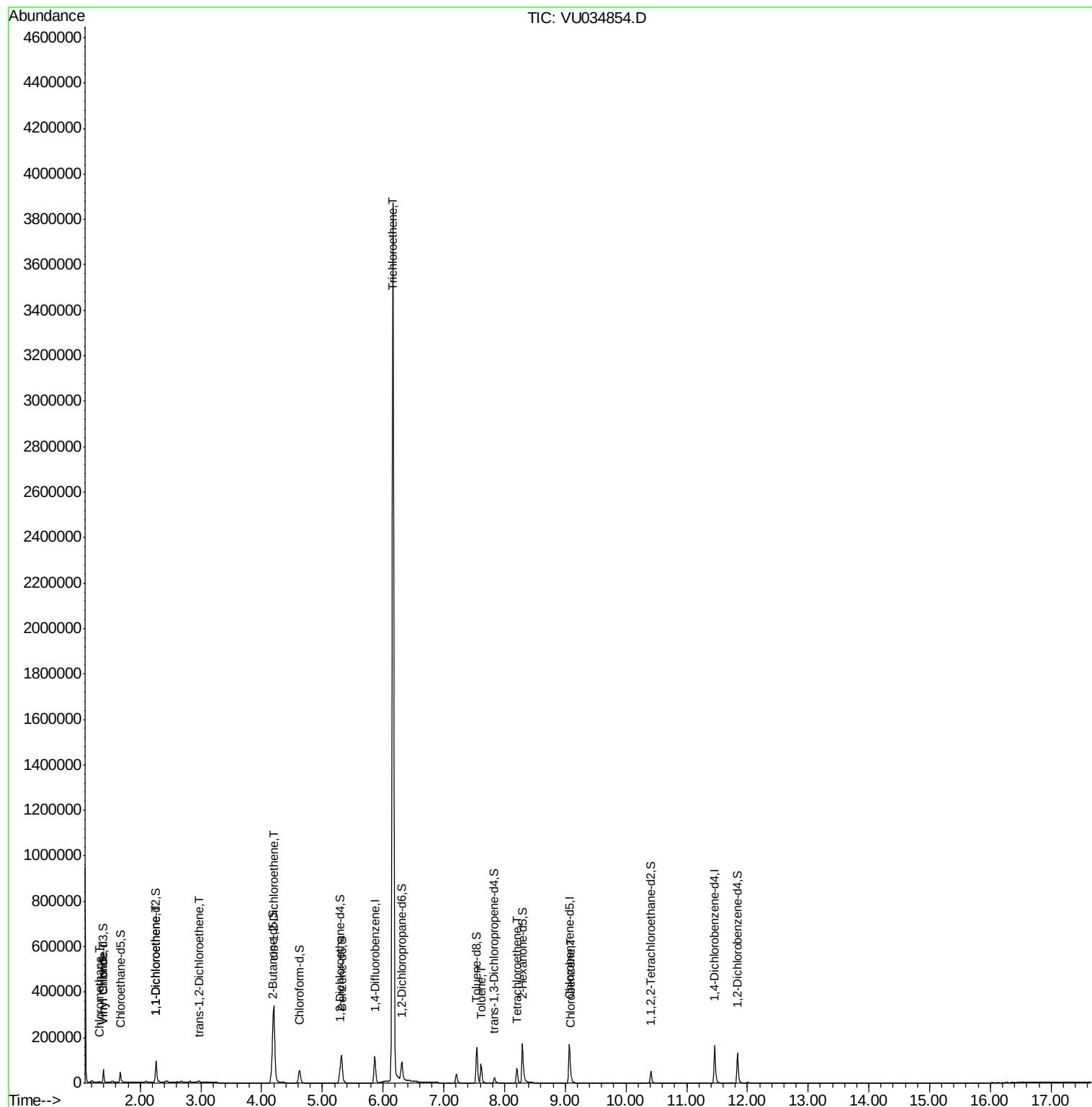
					Ovalue
3) Chloromethane	1.32	50	2280	0.340 ug/L	92
5) Vinyl chloride	1.40	62	4483	0.637 ug/L #	77
12) 1,1-Dichloroethene	2.27	96	2966	0.640 ug/L #	1
18) trans-1,2-Dichloroethene	2.96	96	933	0.194 ug/L	85
22) cis-1,2-Dichloroethene	4.20	96	176659	27.408 ug/L	99
34) Trichloroethene	6.16	95	1264100	207.471 ug/L	98
42) Toluene	7.61	91	60382	2.286 ug/L	99
47) Tetrachloroethene	8.21	164	13844	3.748 ug/L	95
51) Chlorobenzene	9.10	112	10265	0.620 ug/L	96

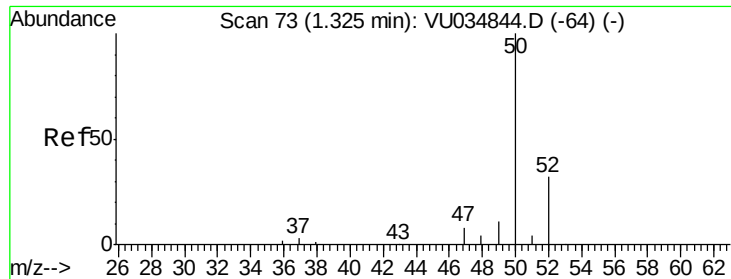
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.340 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

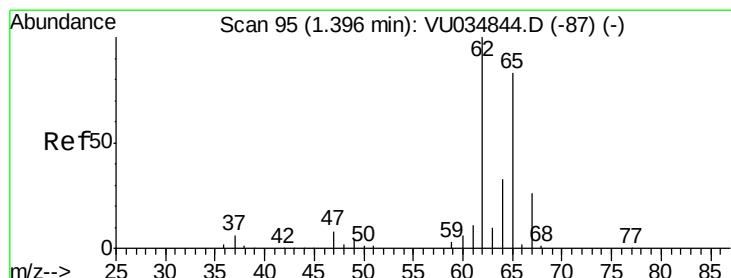
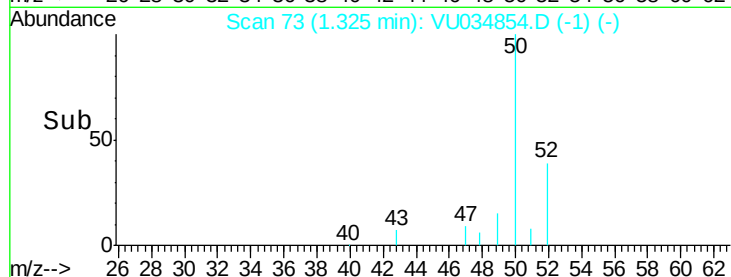
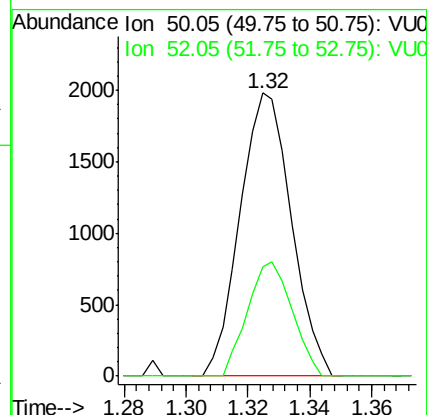
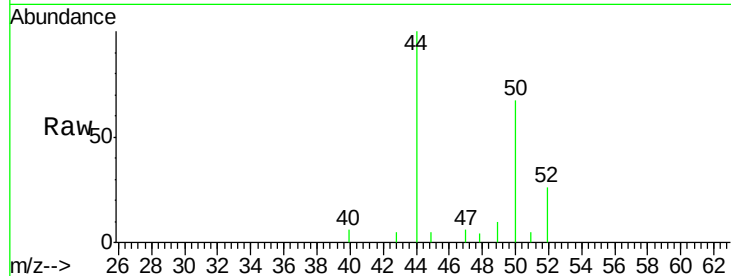
CWK34

Tot Ion: 50 Resp: 2280

Ion Ratio Lower Upper

50 100

52 38.8 23.9 44.3



#5

Vinyl chloride

Concen: 0.637 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034854.D

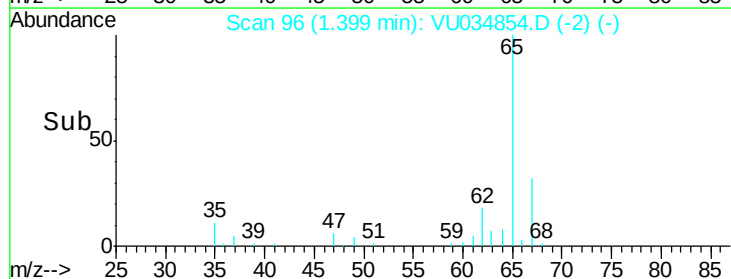
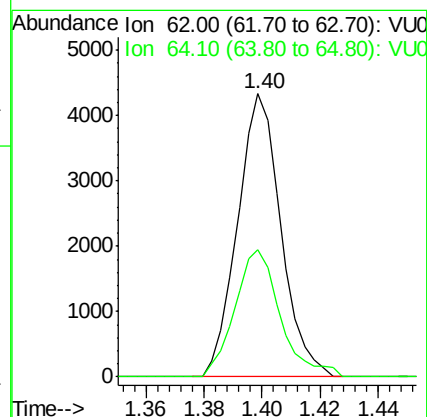
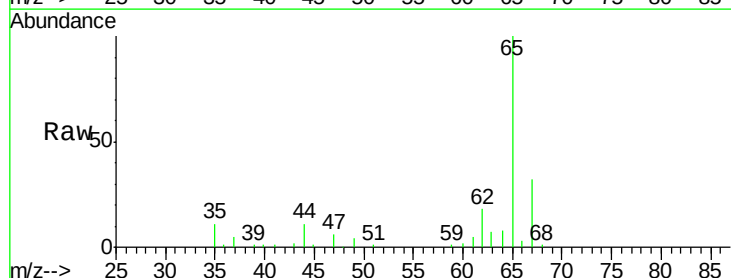
Acq: 26 Sep 2019 20:02

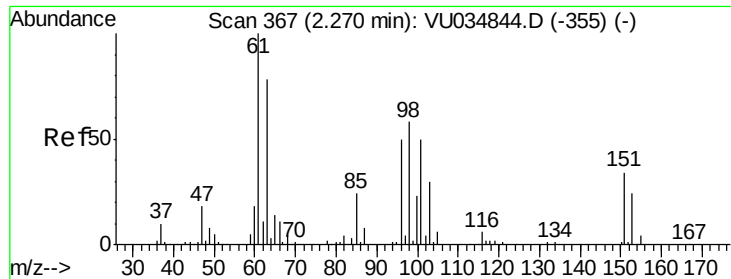
Tgt Ion: 62 Resp: 4483

Ion Ratio Lower Upper

62 100

64 45.1 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.640 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Instrument :

MSVOA_U

ClientSampled :

CWK34

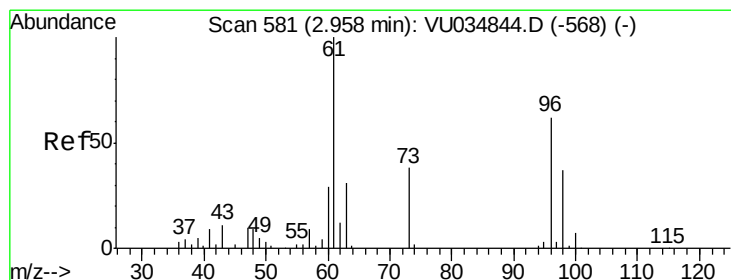
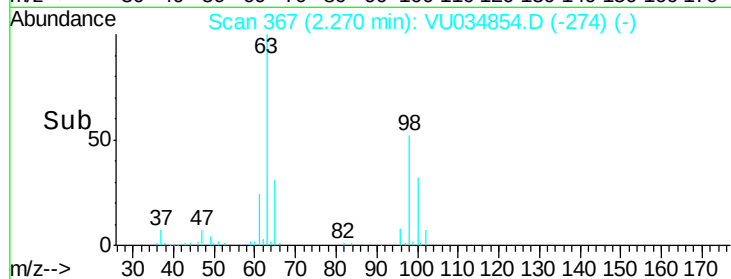
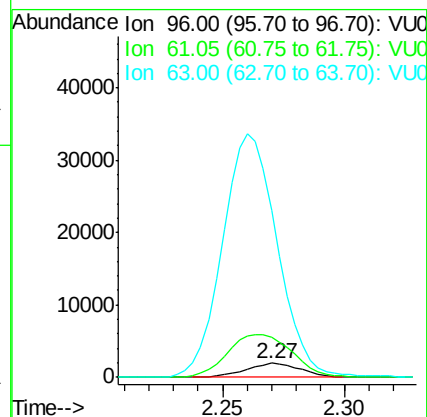
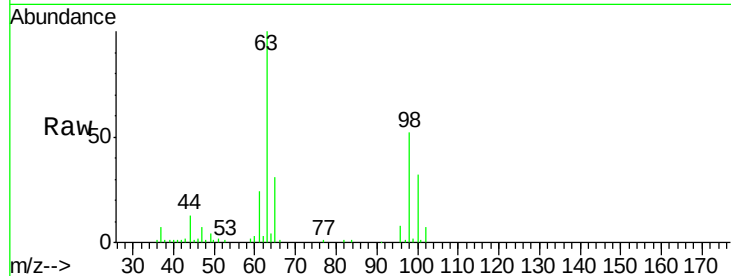
Tot Ion: 96 Resp: 2966

Ion Ratio Lower Upper

96 100

61 285.2 144.4 268.2#

63 1193.4 111.5 207.1#



#18

trans-1,2-Dichloroethene

Concen: 0.194 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

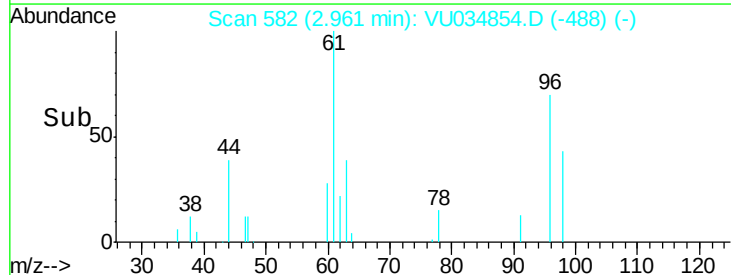
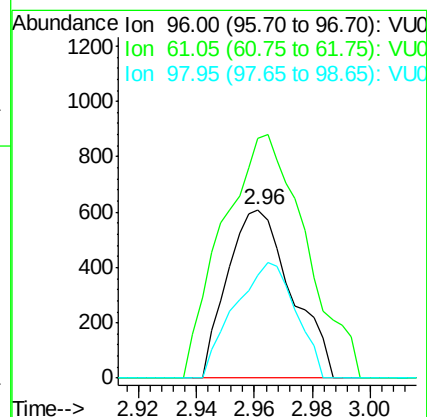
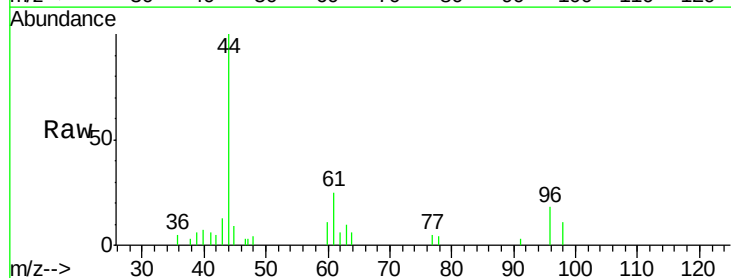
Tgt Ion: 96 Resp: 933

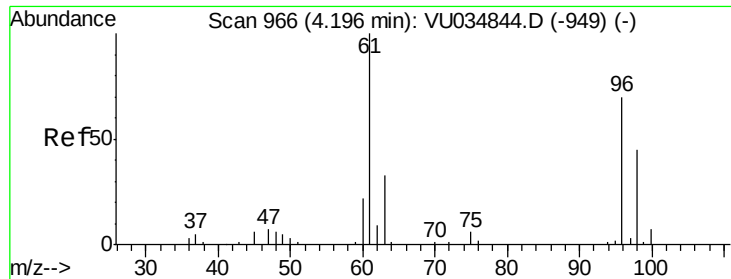
Ion Ratio Lower Upper

96 100

61 142.6 118.2 219.6

98 61.0 44.8 83.2





#22

cis-1,2-Dichloroethene

Concen: 27.408 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Instrument :

MSVOA_U

ClientSampled :

CWK34

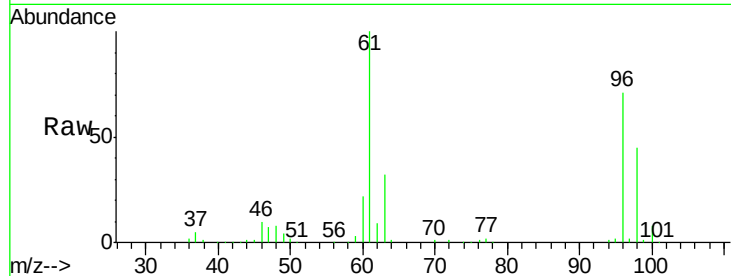
Tot Ion: 96 Resp: 176659

Ion Ratio Lower Upper

96 100

61 141.5 100.0 185.8

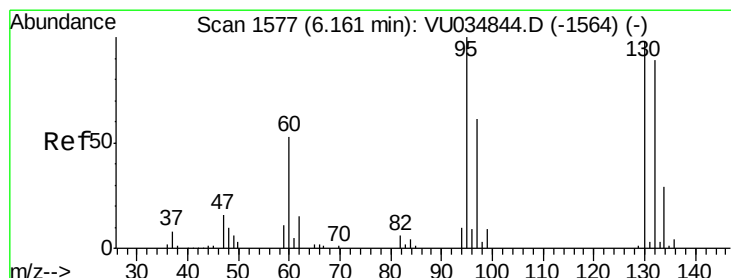
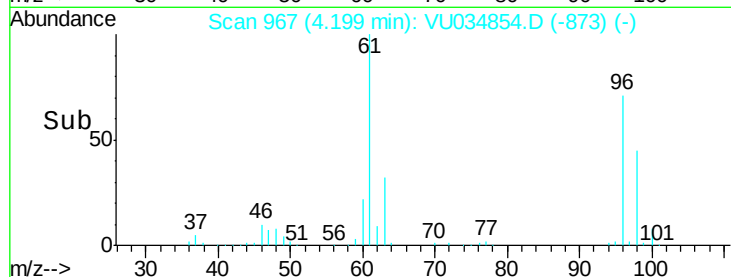
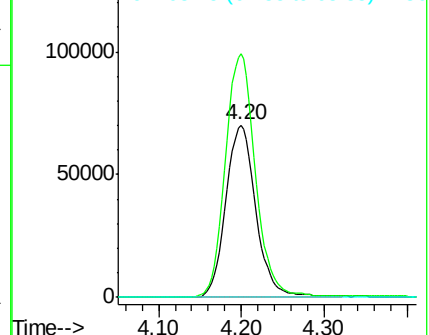
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034854.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034854.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034854.D (-949) (-)



#34

Trichloroethene

Concen: 207.471 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Tgt Ion: 95 Resp: 1264100

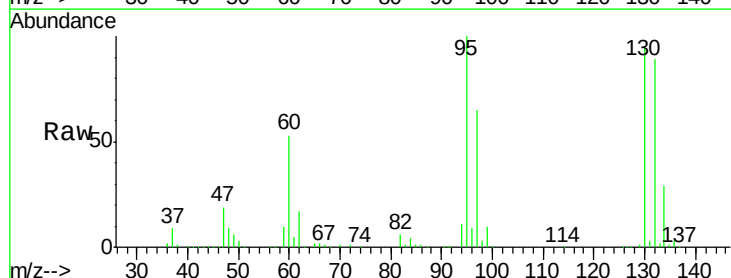
Ion Ratio Lower Upper

95 100

97 64.6 45.2 84.0

132 89.5 60.9 113.1

130 95.5 64.3 119.3

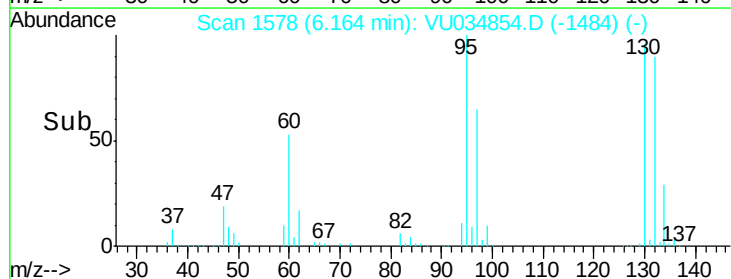
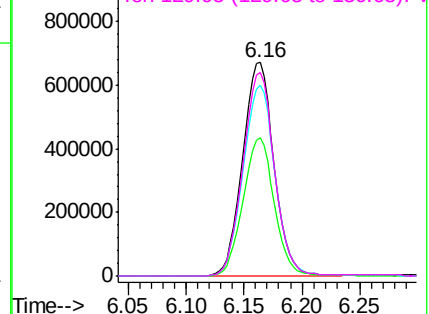


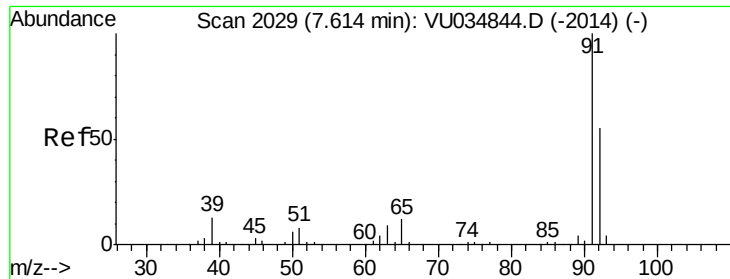
Abundance Ion 95.00 (94.70 to 95.70): VU034854.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU034854.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU034854.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU034854.D (-1564) (-)





#42

Toluene

Concen: 2.286 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Instrument :

MSVOA_U

ClientSampled :

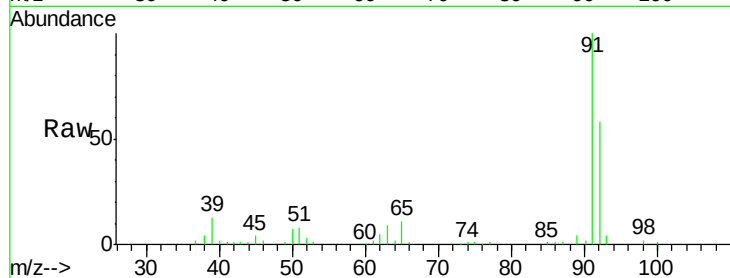
CWK34

Tot Ion: 91 Resp: 60382

Ion Ratio Lower Upper

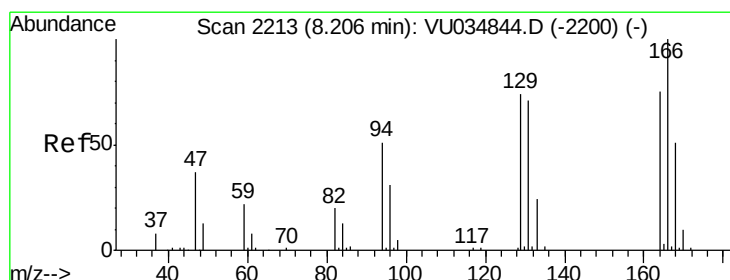
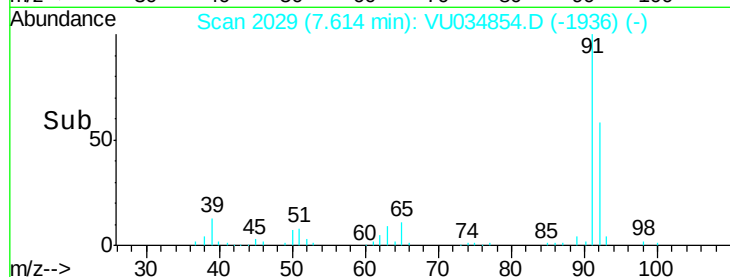
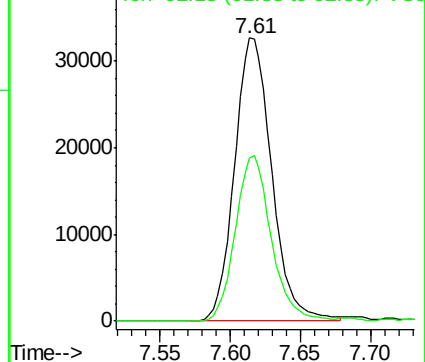
91 100

92 57.5 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: 3.748 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034854.D

Acq: 26 Sep 2019 20:02

Tgt Ion: 164 Resp: 13844

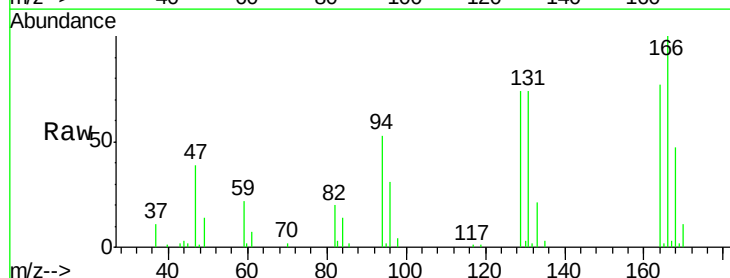
Ion Ratio Lower Upper

164 100

129 96.4 73.6 136.8

131 96.8 73.4 136.4

166 130.6 90.6 168.3

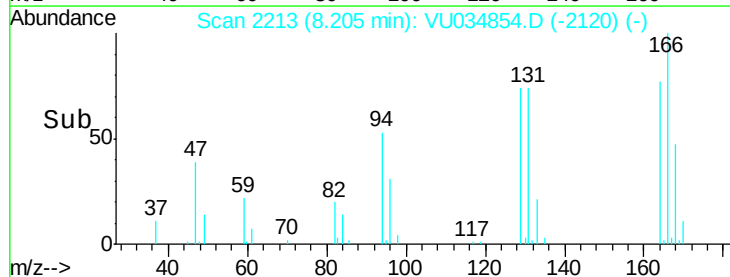
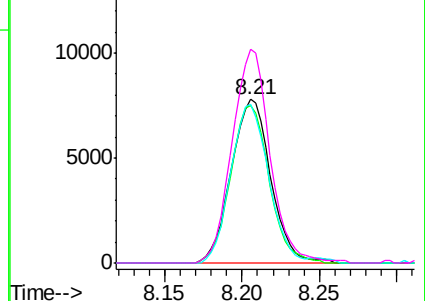


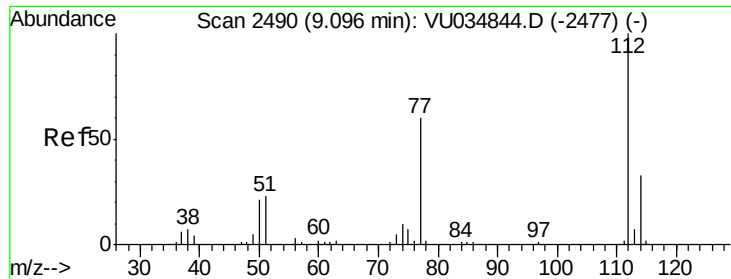
Abundance Ion 163.90 (163.60 to 164.60): V

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

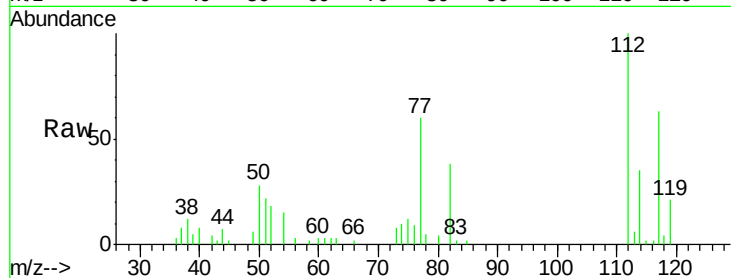




#51
 Chlorobenzene
 Concen: 0.620 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU034854.D
 Acq: 26 Sep 2019 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK34

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.8	22.5	41.7
77	59.9	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

