

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092719\
 Data File : VU034856.D
 Acq On : 26 Sep 2019 20:51
 Operator : JC/SP
 Sample : K5044-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK36

Quant Time: Sep 27 06:41:18 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	91788	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	84966	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	40291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33257	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.67	69	27386	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.26	63	49855	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.17	46	86294	48.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.14%
24) Chloroform-d	4.62	84	48499	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.29	65	27199	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.32	84	103596	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.31	67	34075	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.54	98	93997	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.83	79	12583	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.30	63	62448	45.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	25599	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	32194	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

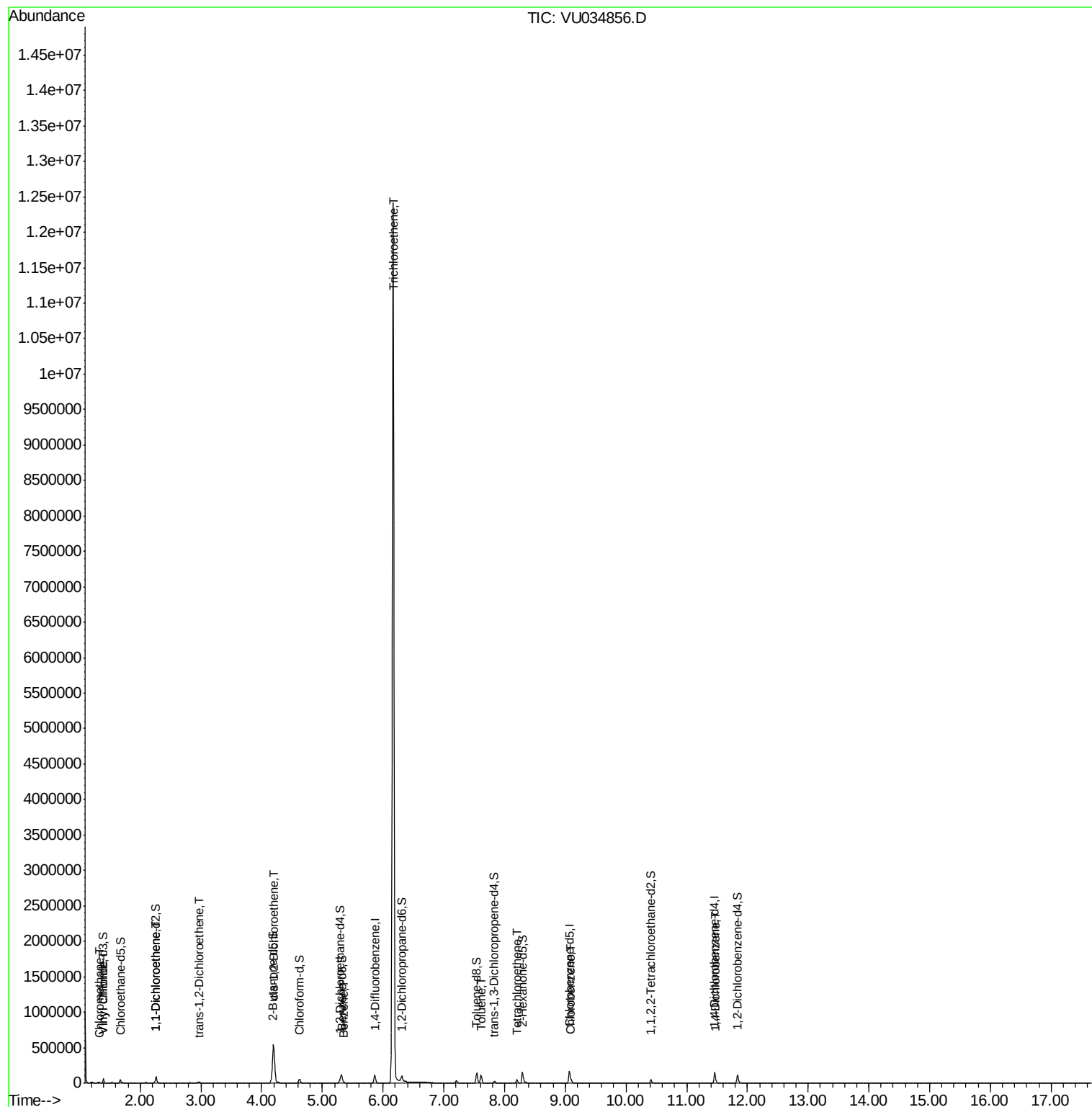
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	6390	0.975	ug/L	89
5) Vinyl chloride	1.40	62	7859	1.145	ug/L	96
12) 1,1-Dichloroethene	2.27	96	2734	0.604	ug/L #	1
18) trans-1,2-Dichloroethene	2.96	96	2911	0.619	ug/L	87
22) cis-1,2-Dichloroethene	4.20	96	281717	44.769	ug/L	99
33) Benzene	5.36	78	5737	0.250	ug/L	100
34) Trichloroethene	6.17	95	3940602	688.115	ug/L	98
42) Toluene	7.61	91	83396	3.359	ug/L	99
47) Tetrachloroethene	8.21	164	9872	2.844	ug/L	86
51) Chlorobenzene	9.10	112	17231	1.107	ug/L	92
63) 1,4-Dichlorobenzene	11.48	146	2939	0.249	ug/L	95

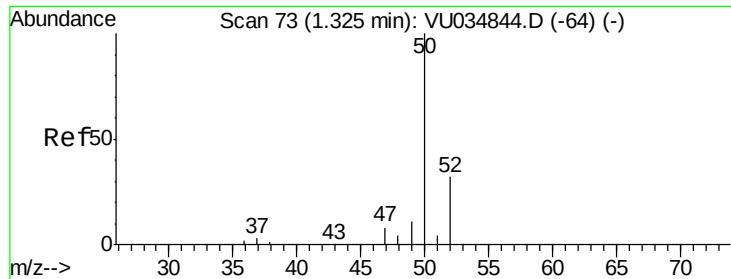
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.975 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

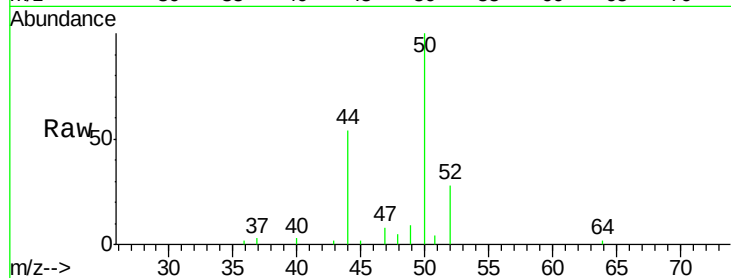
CWK36

Tot Ion: 50 Resp: 6390

Ion Ratio Lower Upper

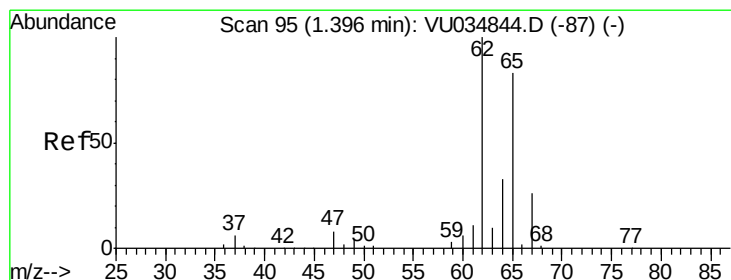
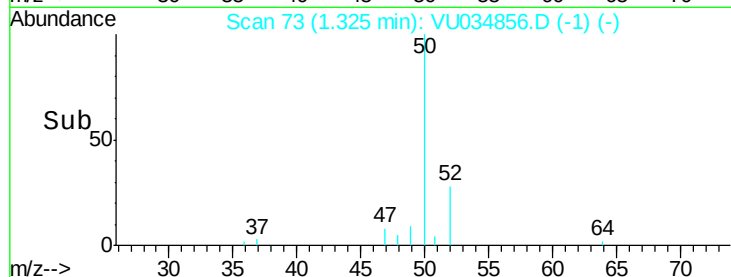
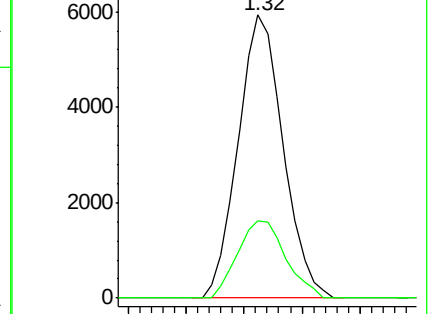
50 100

52 27.5 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034844.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034844.D (-64) (-)



#5

Vinyl chloride

Concen: 1.145 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034856.D

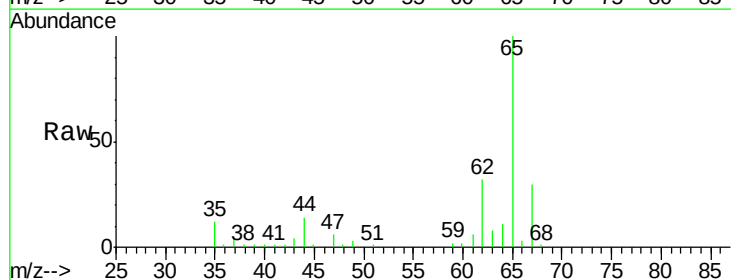
Acq: 26 Sep 2019 20:51

Tgt Ion: 62 Resp: 7859

Ion Ratio Lower Upper

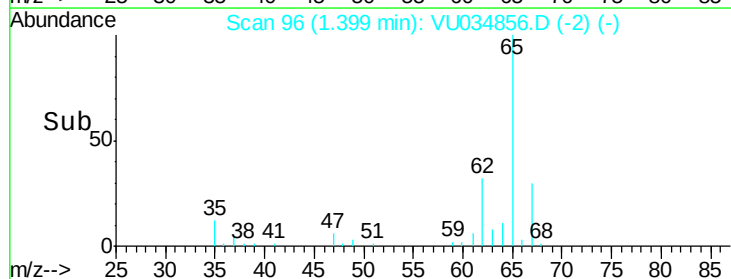
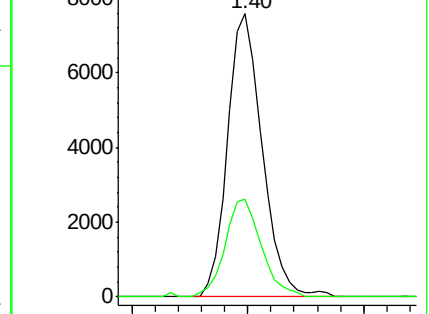
62 100

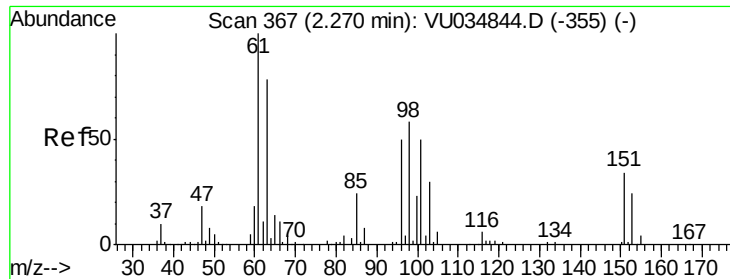
64 34.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU034844.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034844.D (-87) (-)

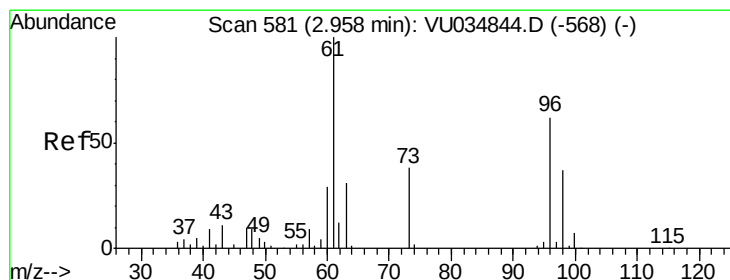
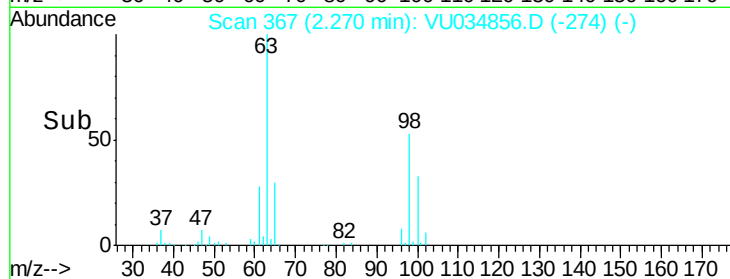
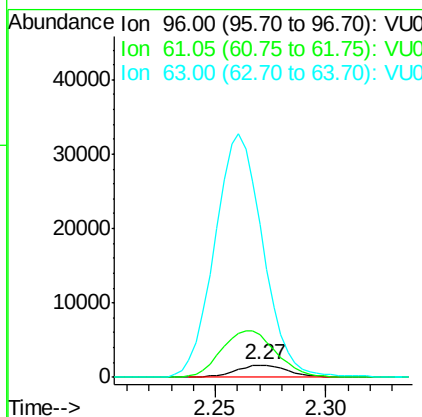
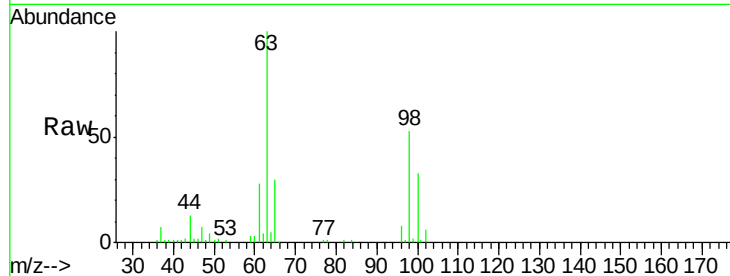




#12
 1,1-Dichloroethene
 Concen: 0.604 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034856.D
 Acq: 26 Sep 2019 20:51

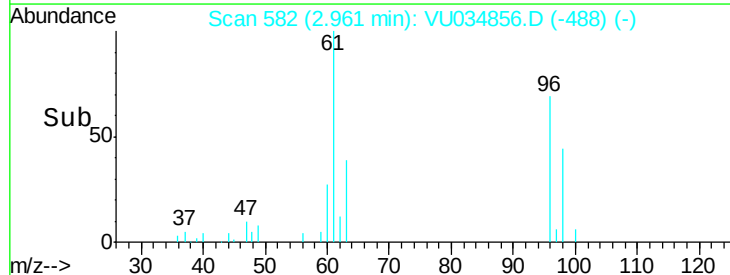
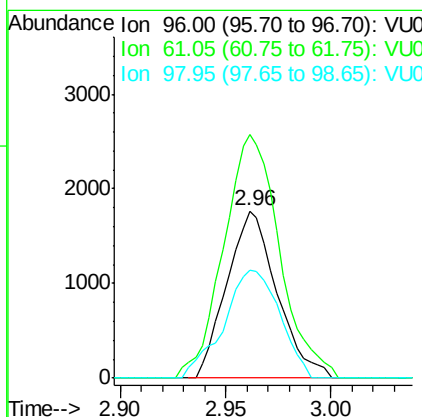
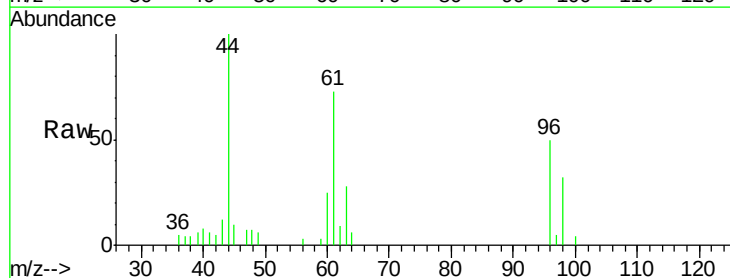
Instrument :
 MSVOA_U
 ClientSampled :
 CWK36

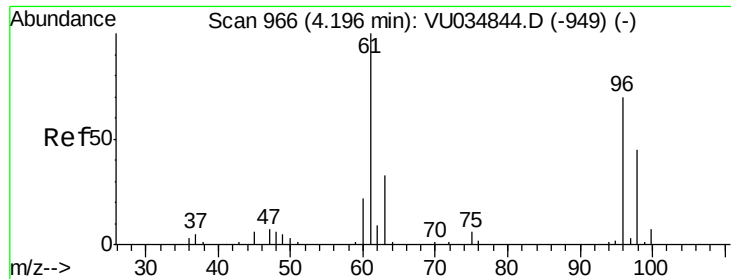
Tot Ion: 96 Resp: 2734
 Ion Ratio Lower Upper
 96 100
 61 342.3 144.4 268.2#
 63 1232.4 111.5 207.1#



#18
 trans-1,2-Dichloroethene
 Concen: 0.619 ug/L
 RT: 2.96 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VU034856.D
 Acq: 26 Sep 2019 20:51

Tgt Ion: 96 Resp: 2911
 Ion Ratio Lower Upper
 96 100
 61 145.6 118.2 219.6
 98 64.7 44.8 83.2





#22

cis-1,2-Dichloroethene

Concen: 44.769 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

CWK36

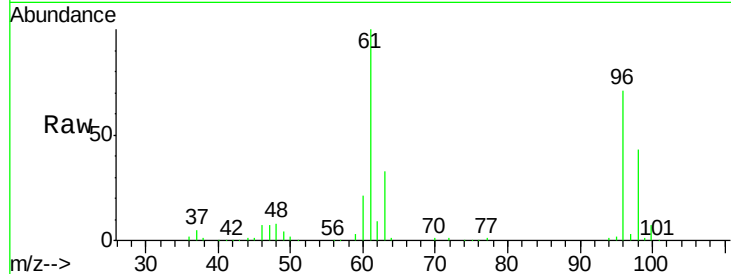
Tot Ion: 96 Resp: 281717

Ion Ratio Lower Upper

96 100

61 141.8 100.0 185.8

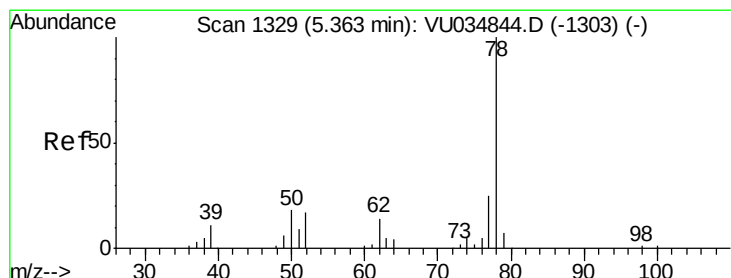
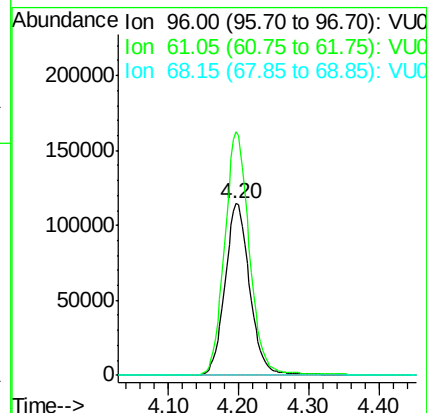
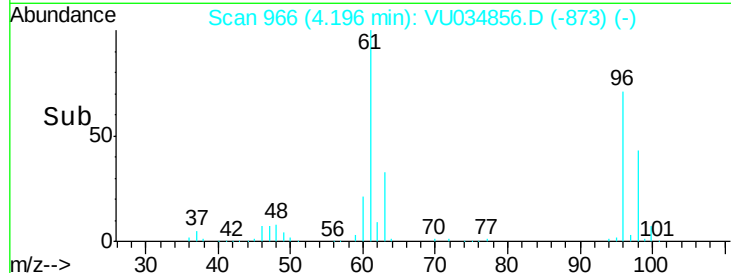
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034844.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034844.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034844.D (-949) (-)



#33

Benzene

Concen: 0.250 ug/L

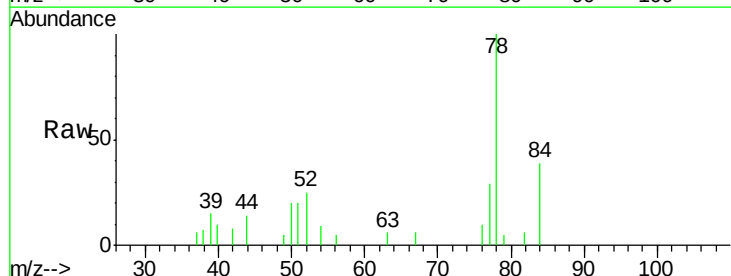
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

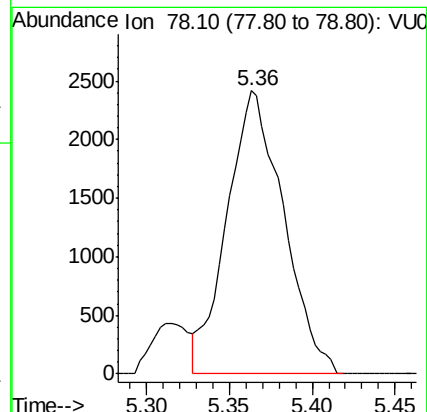
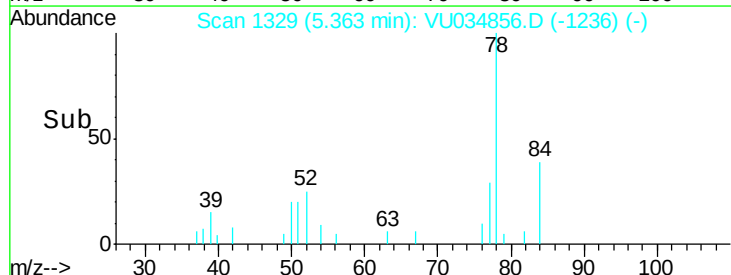
Tgt Ion: 78 Resp: 5737

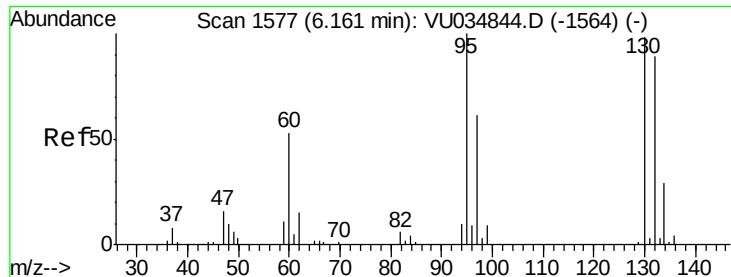


Abundance Ion 78.10 (77.80 to 78.80): VU034844.D (-1303) (-)

Ion 78.10 (77.80 to 78.80): VU034844.D (-1303) (-)

Ion 84.10 (83.80 to 84.80): VU034844.D (-1303) (-)



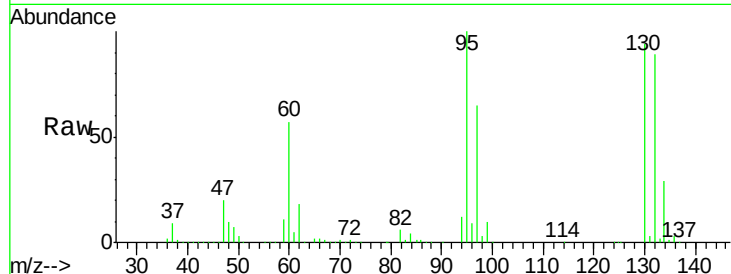


#34
 Trichloroethene
 Concen: 688.115 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VU034856.D
 Acq: 26 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 CWK36

Tot Ion: 95 Resp: 3940602

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.2	84.0
132	89.0	60.9	113.1
130	93.7	64.3	119.3



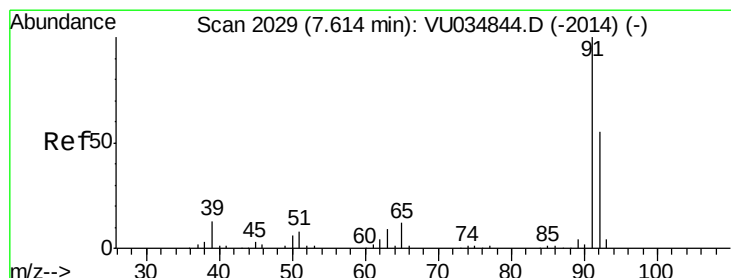
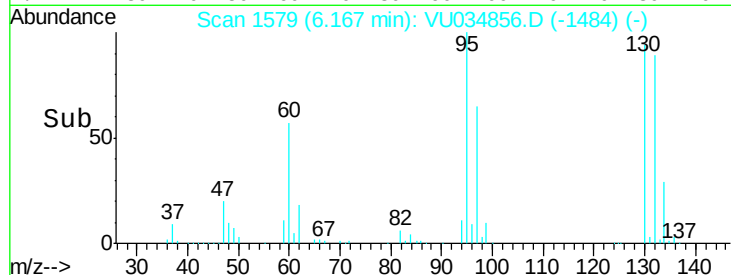
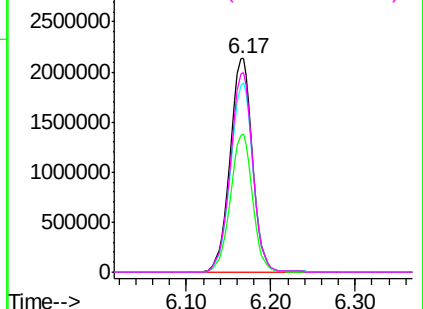
Abundance

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

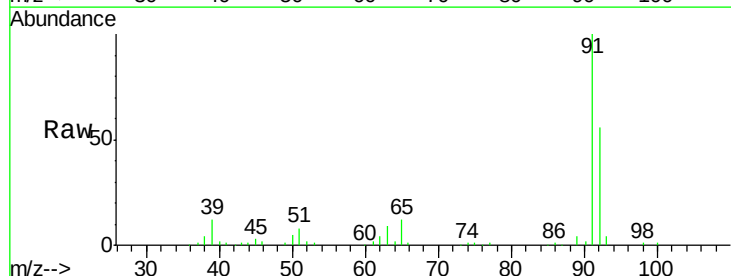
Ion 129.95 (129.65 to 130.65): V



#42
 Toluene
 Concen: 3.359 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VU034856.D
 Acq: 26 Sep 2019 20:51

Tgt Ion: 91 Resp: 83396

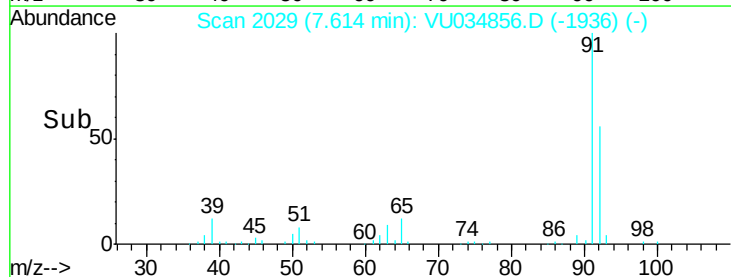
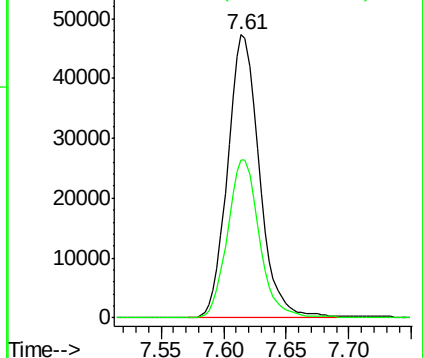
Ion	Ratio	Lower	Upper
91	100		
92	56.0	39.6	73.6

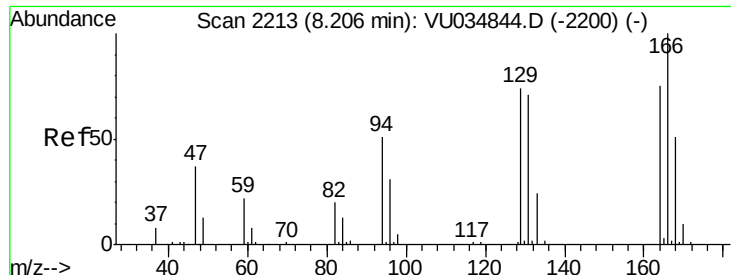


Abundance

Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 2.844 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

CWK36

Tot Ion:164 Resp: 9872

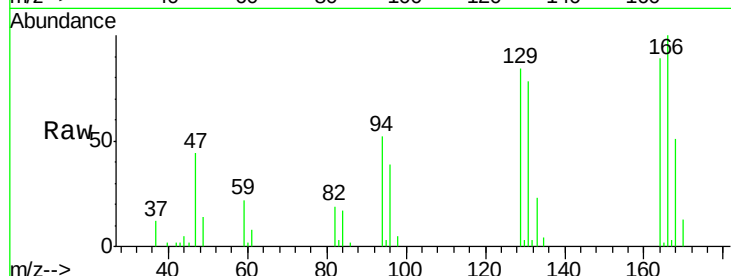
Ion Ratio Lower Upper

164 100

129 94.3 73.6 136.8

131 87.9 73.4 136.4

166 112.9 90.6 168.3

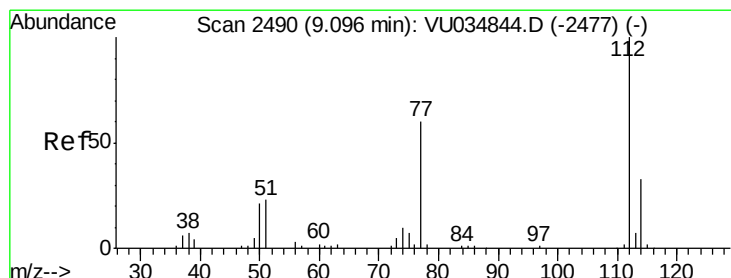
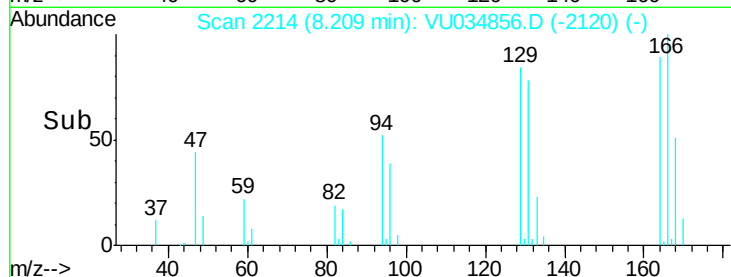
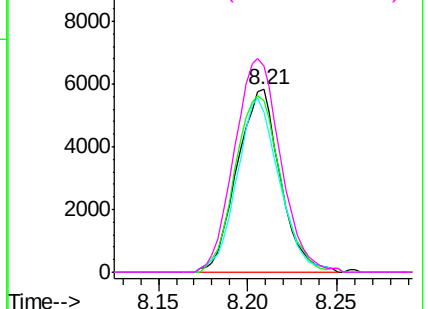


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.107 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

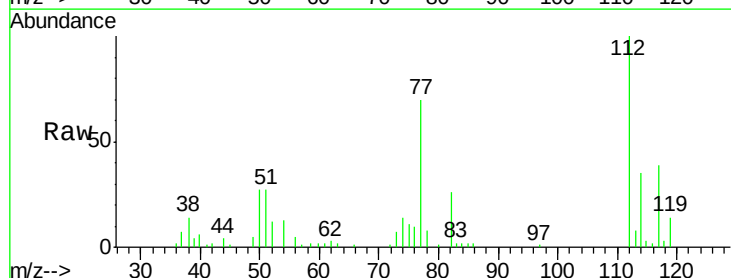
Tgt Ion:112 Resp: 17231

Ion Ratio Lower Upper

112 100

114 34.8 22.5 41.7

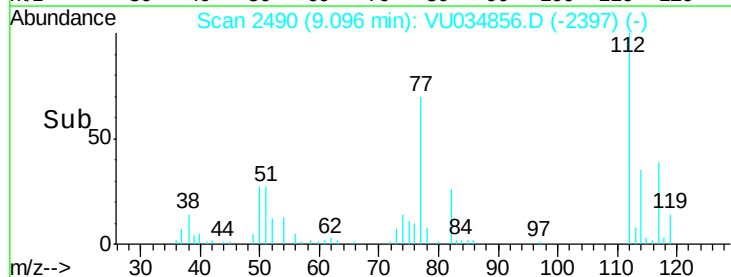
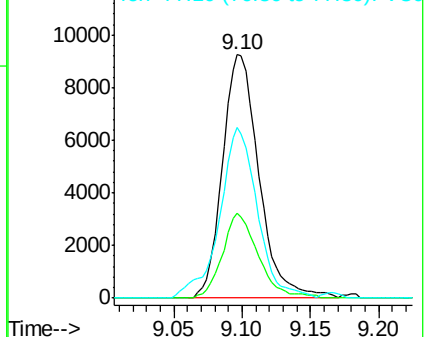
77 69.9 50.3 75.5

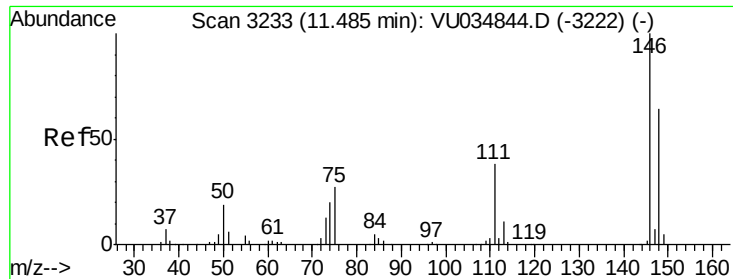


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#63

1,4-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034856.D

Acq: 26 Sep 2019 20:51

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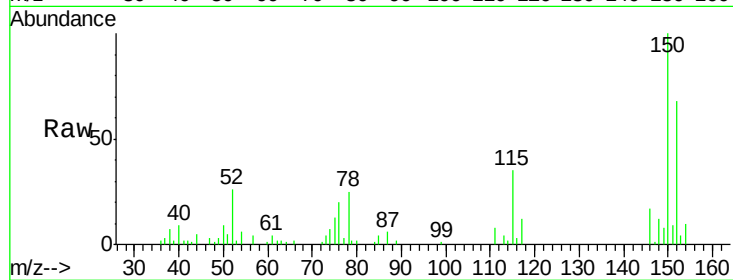
Tot Ion:146 Resp: 2939

Ion Ratio Lower Upper

146 100

111 44.5 30.2 56.2

148 70.7 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

