

Data File : VU033891.D
Acq On : 21 Aug 2019 22:55
Operator : JC/SP
Sample : K4454-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B86

Quant Time: Aug 22 07:24:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 07:18:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	392071	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	395000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	165721	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149622	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.67	69	134542	40.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.56%
11) 1,1-Dichloroethene-d2	2.25	63	194013	32.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.82%
21) 2-Butanone-d5	4.15	46	197072	106.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.53%
24) Chloroform-d	4.62	84	254955	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.28	65	167349	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
32) Benzene-d6	5.32	84	503117	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.31	67	172559	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.55	98	432841	42.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.64%
43) trans-1,3-Dichloropropene-	7.83	79	67446	40.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.64%
47) 2-Hexanone-d5	8.30	63	128487	97.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.25%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	245417	49.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	168570	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

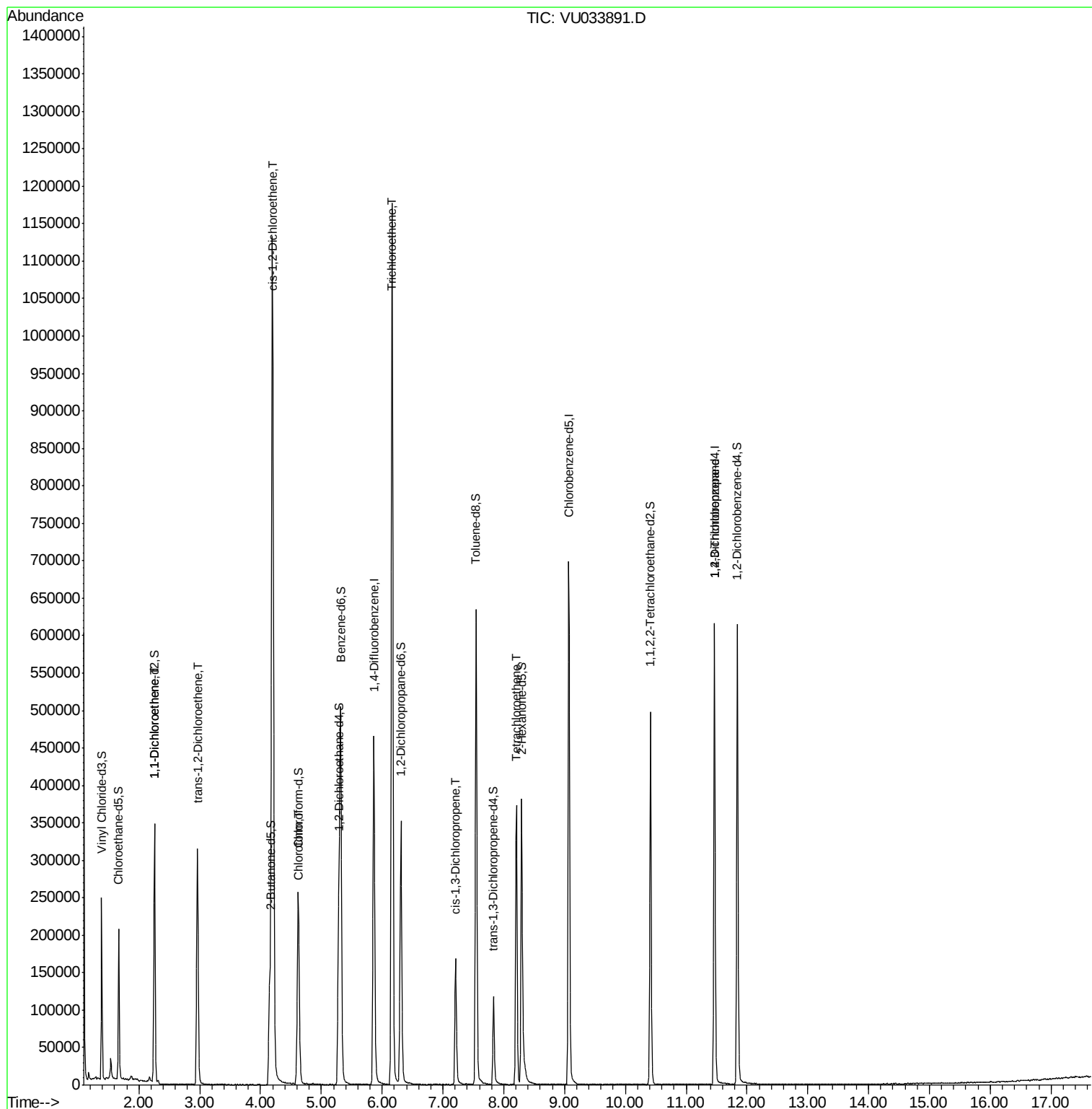
					Qvalue
12) 1,1-Dichloroethene	2.26	96	4136	1.526 ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	122638	43.416 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	629006	205.851 ug/L	97
25) Chloroform	4.64	83	4910	0.869 ug/L	91
34) Trichloroethene	6.16	95	399851	125.563 ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	4315	0.906 ug/L #	67
46) Tetrachloroethene	8.21	164	84498	33.097 ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	18956	4.790 ug/L	91

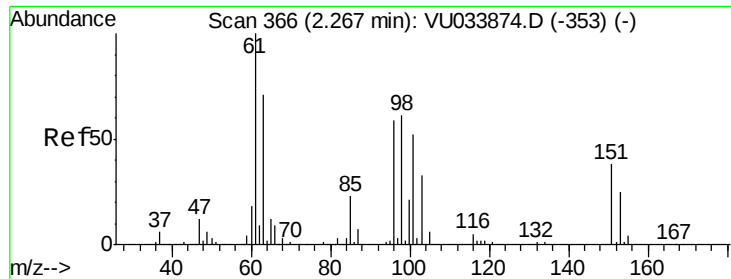
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.526 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

F2B86

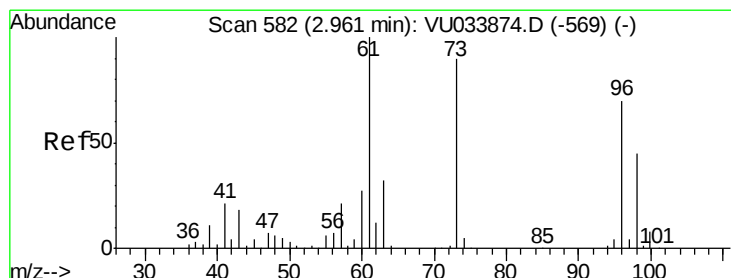
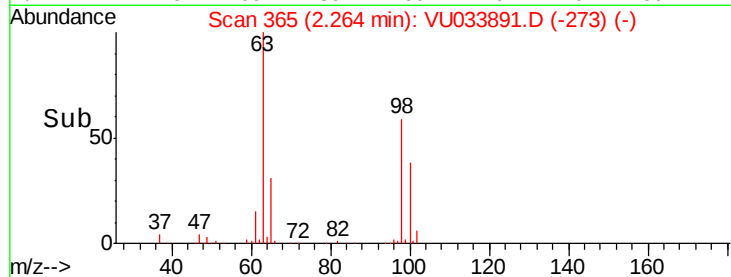
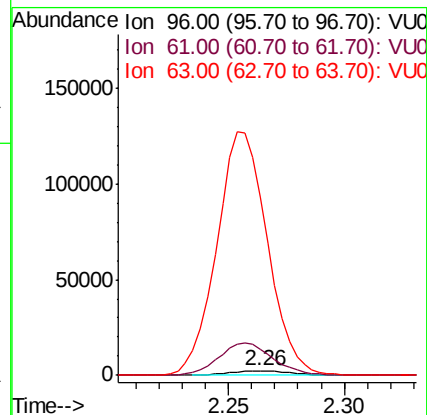
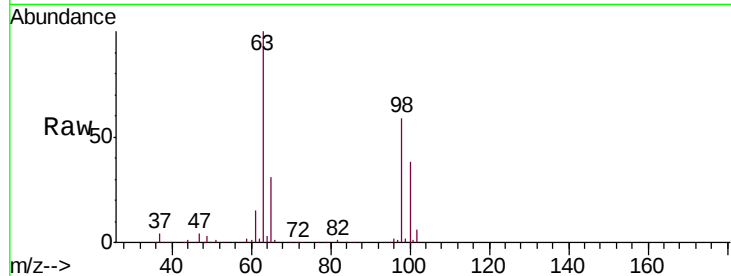
Tgt Ion: 96 Resp: 4136

Ion Ratio Lower Upper

96 100

61 615.7 123.7 229.7#

63 4161.0 91.2 169.4#



#17

trans-1,2-Dichloroethene

Concen: 43.416 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

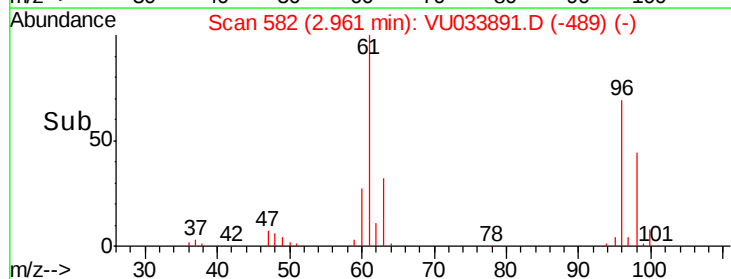
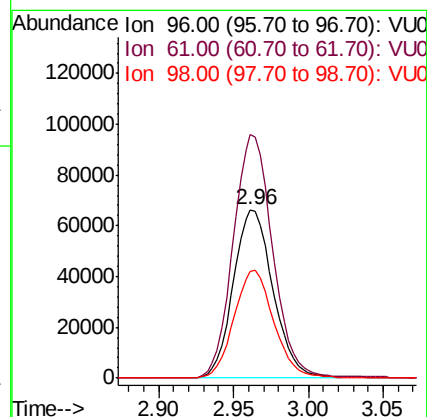
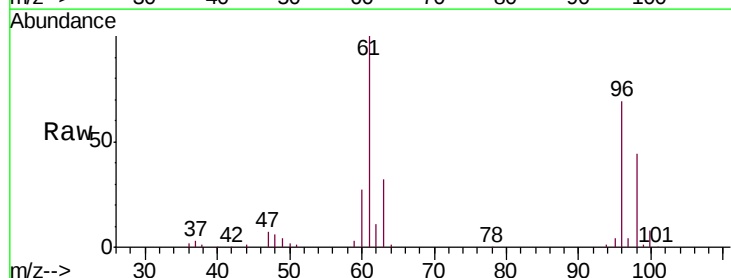
Tgt Ion: 96 Resp: 122638

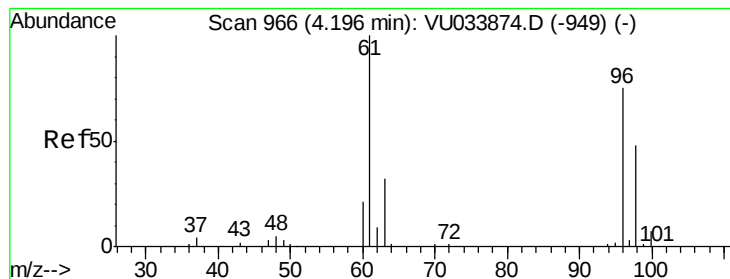
Ion Ratio Lower Upper

96 100

61 144.7 98.6 183.2

98 63.6 43.8 81.3



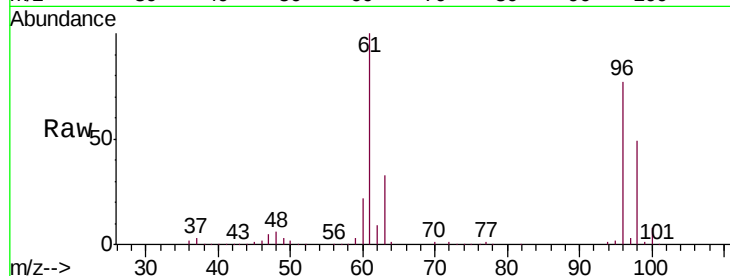


#20

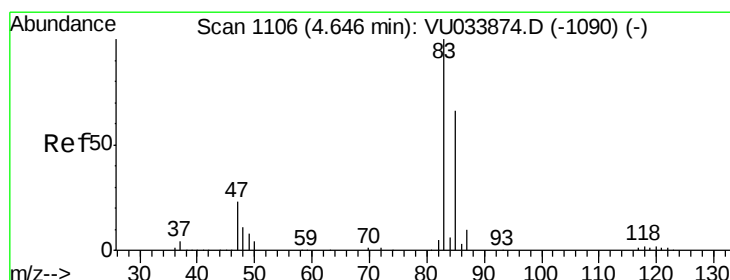
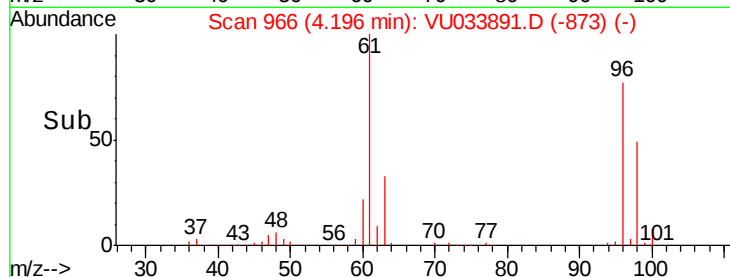
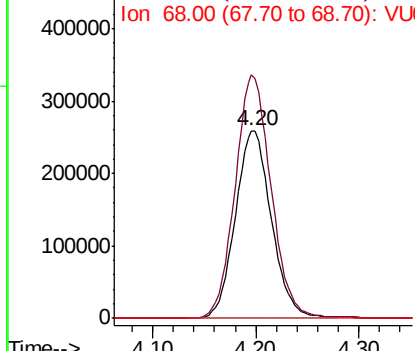
cis-1,2-Dichloroethene
 Concen: 205.851 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033891.D
 Acq: 21 Aug 2019 22:55

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 MSVOA_U
 ClientSampleId :
 F2B86

Tgt Ion: 96 Resp: 629006
 Ion Ratio Lower Upper
 96 100
 61 129.8 88.2 163.8
 68 0.0 0.0 0.0



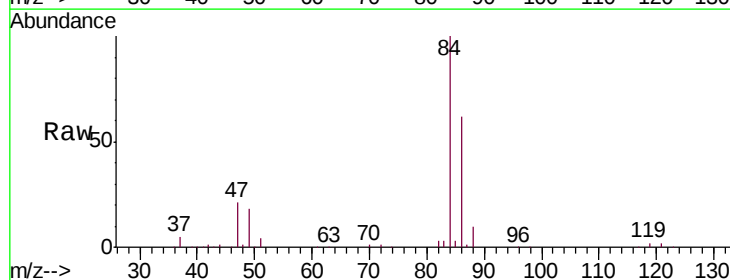
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



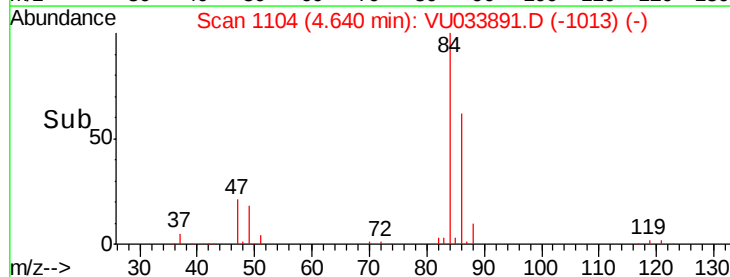
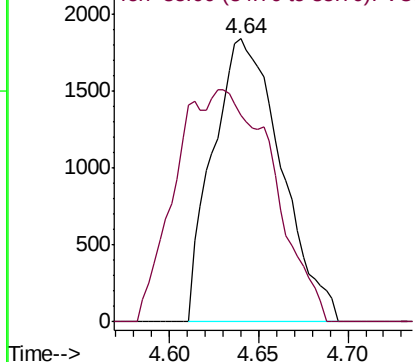
#25

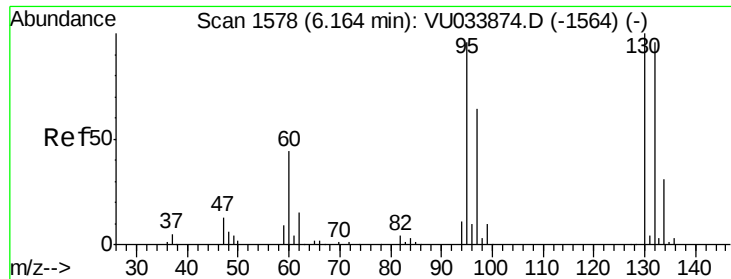
Chloroform
 Concen: 0.869 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: VU033891.D
 Acq: 21 Aug 2019 22:55

Tgt Ion: 83 Resp: 4910
 Ion Ratio Lower Upper
 83 100
 85 73.0 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

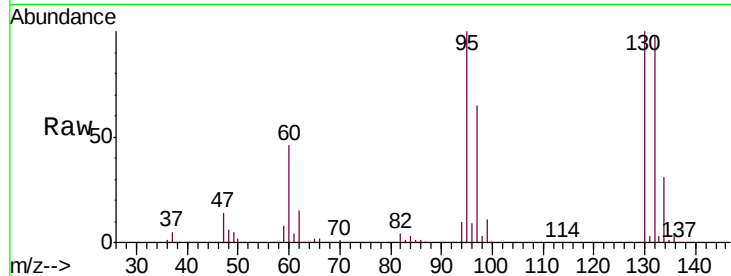




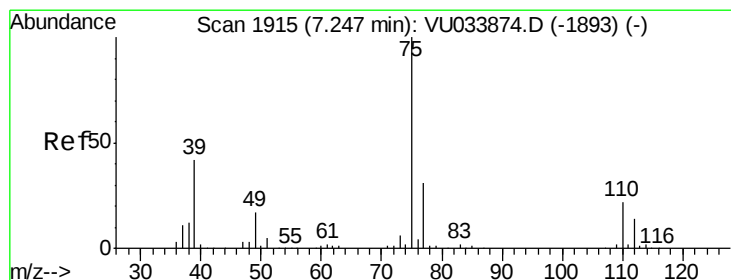
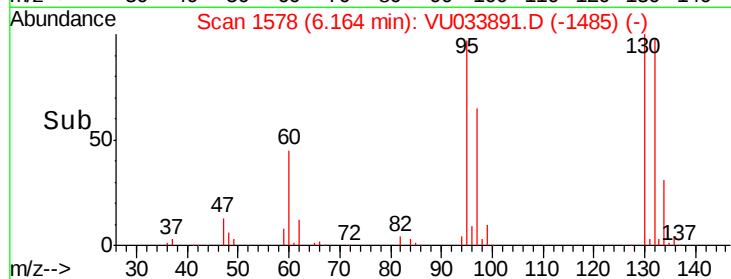
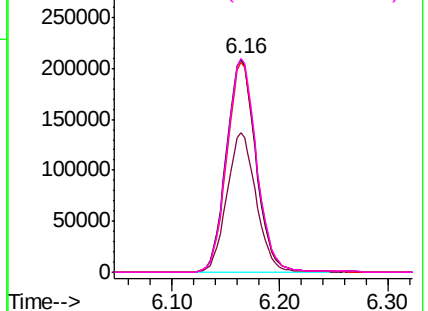
#34
 Trichloroethene
 Concen: 125.563 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033891.D
 Acq: 21 Aug 2019 22:55

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B86

Tgt Ion: 95 Resp: 399851
 Ion Ratio Lower Upper
 95 100
 97 65.6 46.3 86.1
 132 98.7 67.9 126.1
 130 100.2 72.0 133.6

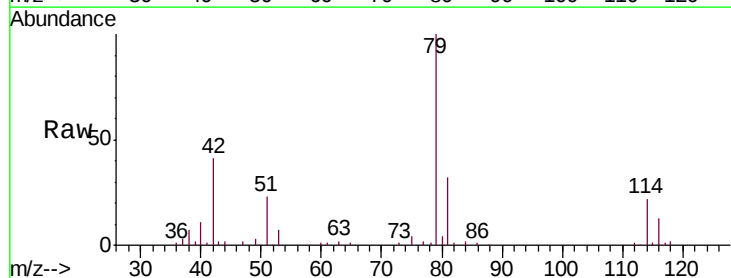


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

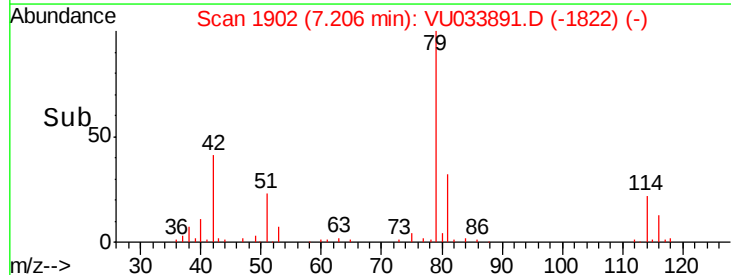
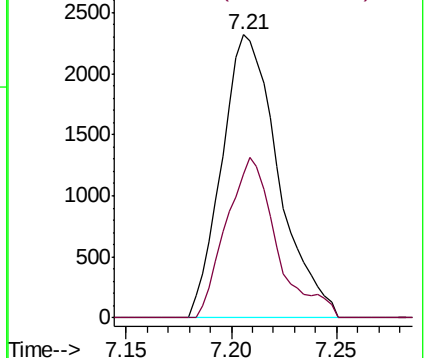


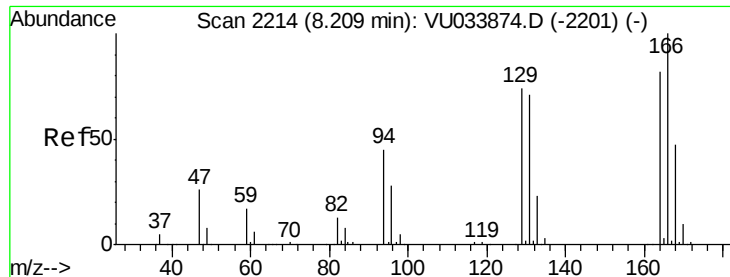
#39
 cis-1,3-Dichloropropene
 Concen: 0.906 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU033891.D
 Acq: 21 Aug 2019 22:55

Tgt Ion: 75 Resp: 4315
 Ion Ratio Lower Upper
 75 100
 77 50.6 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 33.097 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

F2B86

Tgt Ion:164 Resp: 84498

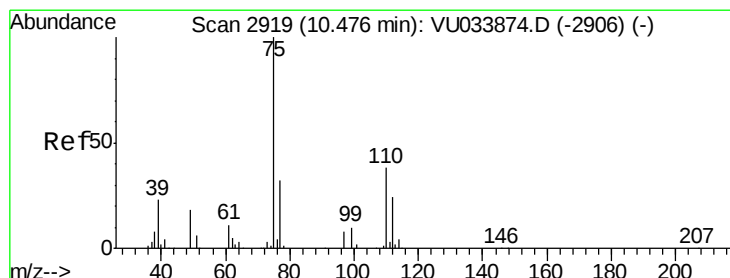
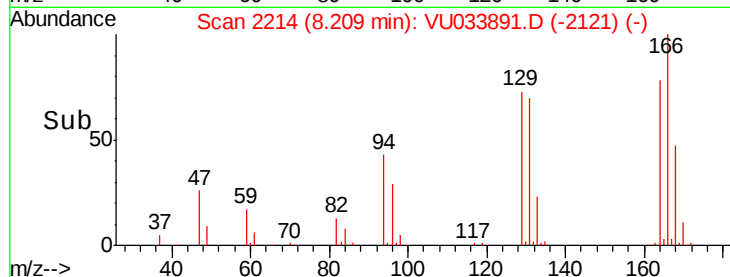
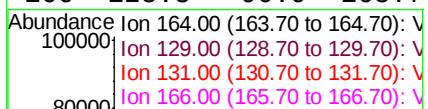
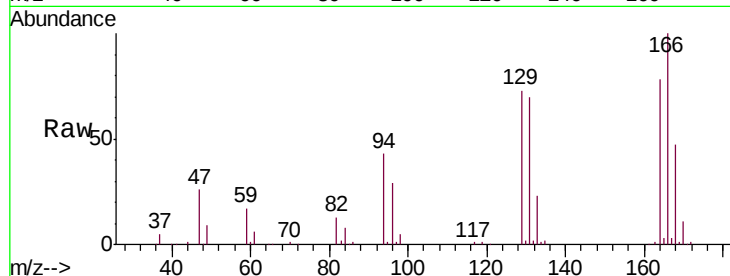
Ion Ratio Lower Upper

164 100

129 94.1 64.4 119.6

131 90.0 63.8 118.4

166 128.8 90.9 168.7



#59

1,2,3-Trichloropropane

Concen: 4.790 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Tgt Ion: 75 Resp: 18956

Ion Ratio Lower Upper

75 100

77 37.6 26.0 39.0

