

Data File : VU033867.D
Acq On : 21 Aug 2019 12:52
Operator : JC/SP
Sample : K4420-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B39

Quant Time: Aug 22 05:47:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 05:44:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	392718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	394366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	163816	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	164228	46.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.96%
7) Chloroethane-d5	1.67	69	142949	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.52%
11) 1,1-Dichloroethene-d2	2.26	63	219561	37.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.36%
21) 2-Butanone-d5	4.15	46	180495	97.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.41%
24) Chloroform-d	4.62	84	264165	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
26) 1,2-Dichloroethane-d4	5.29	65	173493	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.32	84	533699	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
36) 1,2-Dichloropropane-d6	6.31	67	176997	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.84%
41) Toluene-d8	7.55	98	469442	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%
43) trans-1,3-Dichloropropene-	7.83	79	75515	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.44%
47) 2-Hexanone-d5	8.30	63	114713	86.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	237699	48.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.04%
64) 1,2-Dichlorobenzene-d4	11.84	152	174483	53.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.88%

Target Compounds

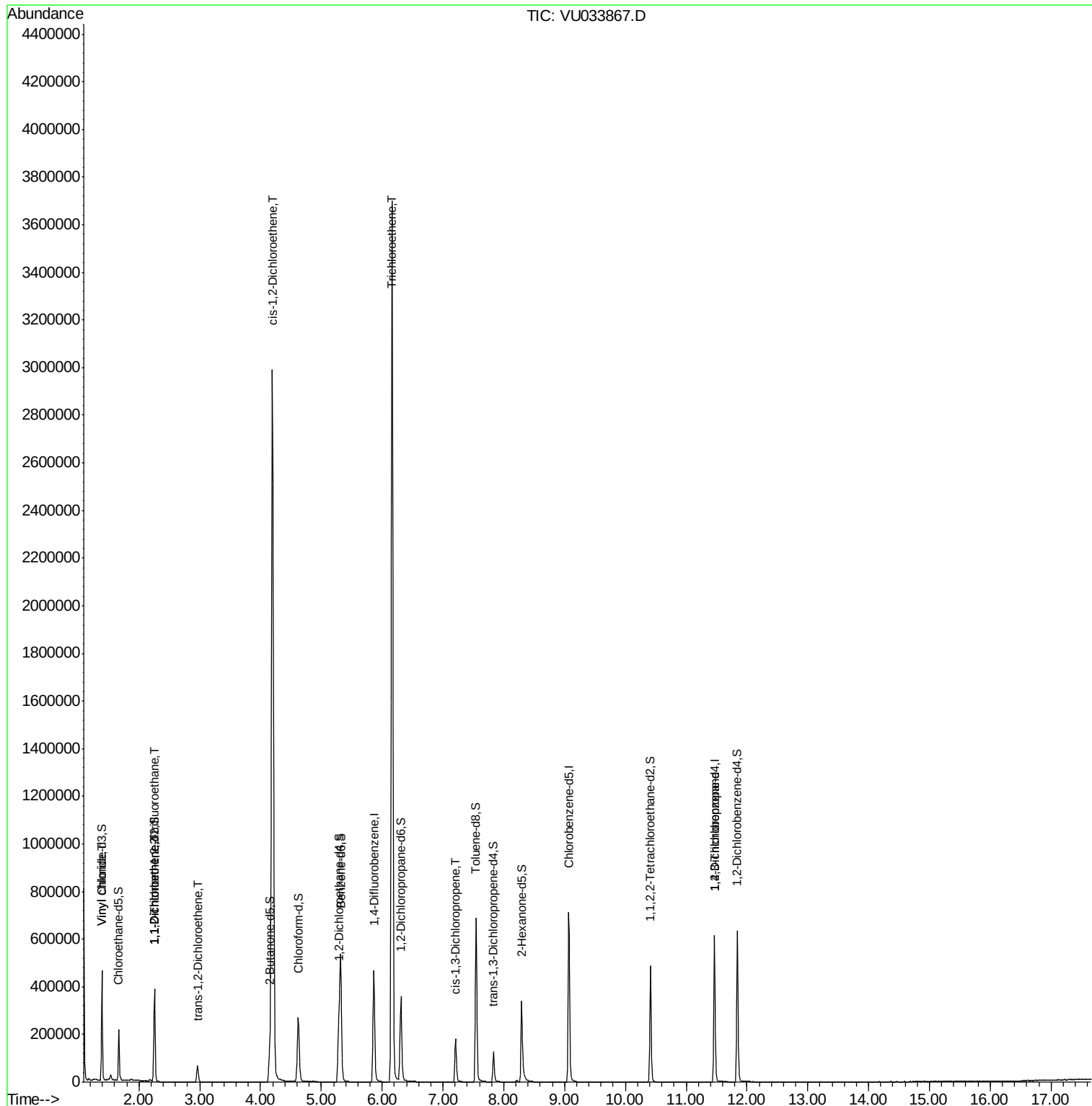
						Qvalue
5) Vinyl chloride	1.39	62	149021	33.784	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2074	0.741	ug/L #	19
12) 1,1-Dichloroethene	2.26	96	3355	1.236	ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	27955	9.880	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	1678439	548.388	ug/L	98
34) Trichloroethene	6.16	95	1250684	393.377	ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	4679	0.984	ug/L #	74
59) 1,2,3-Trichloropropane	11.47	75	19009	4.811	ug/L	92

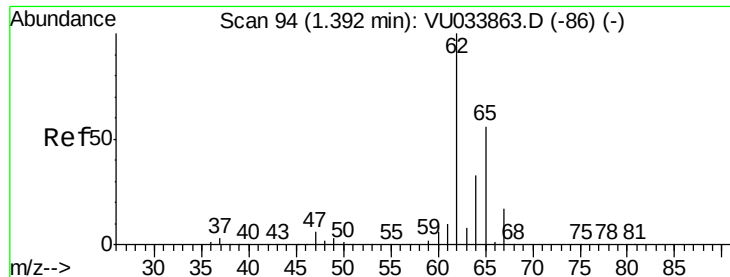
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 33.784 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033867.D

Acq: 21 Aug 2019 12:52

Instrument :

MSVOA_U

ClientSampleId :

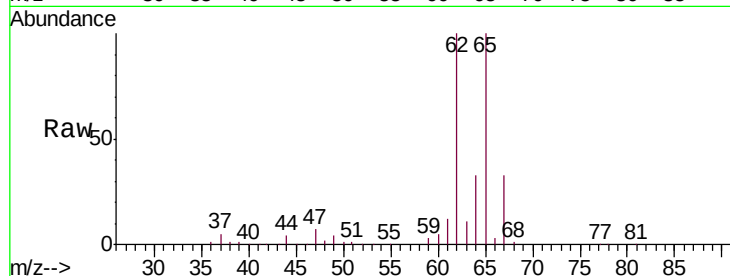
F2B39

Tgt Ion: 62 Resp: 149021

Ion Ratio Lower Upper

62 100

64 33.5 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033867.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033867.D (-1) (-)

1.39

150000

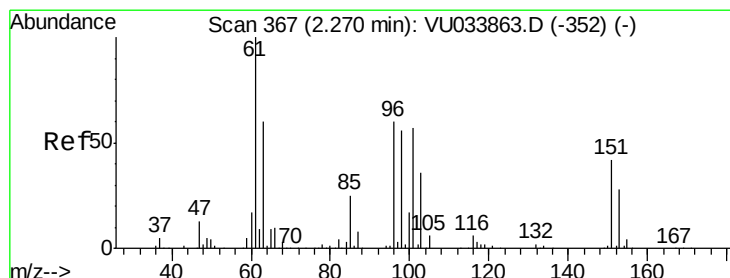
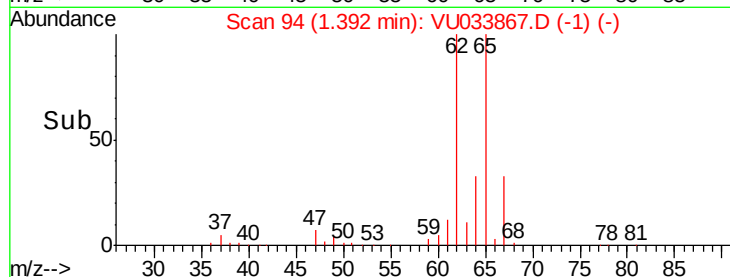
100000

50000

0

1.35 1.40 1.45

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.741 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033867.D

Acq: 21 Aug 2019 12:52

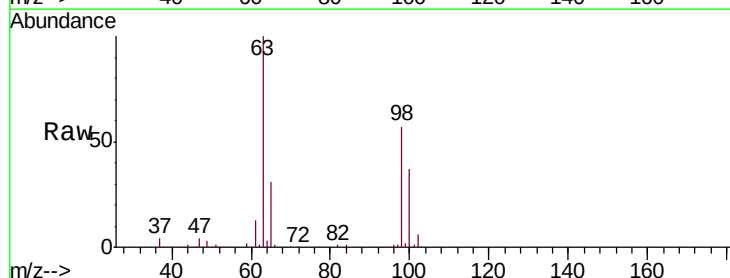
Tgt Ion: 101 Resp: 2074

Ion Ratio Lower Upper

101 100

85 0.0 35.2 52.8#

151 0.0 60.4 90.6#



Abundance Ion 101.00 (100.70 to 101.70): VU033867.D (-274) (-)

Ion 85.00 (84.70 to 85.70): VU033867.D (-274) (-)

Ion 151.00 (150.70 to 151.70): VU033867.D (-274) (-)

2.26

1500

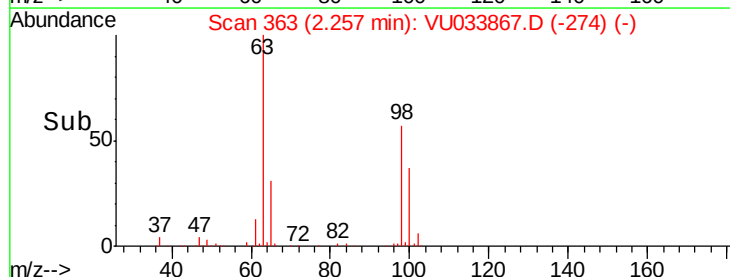
1000

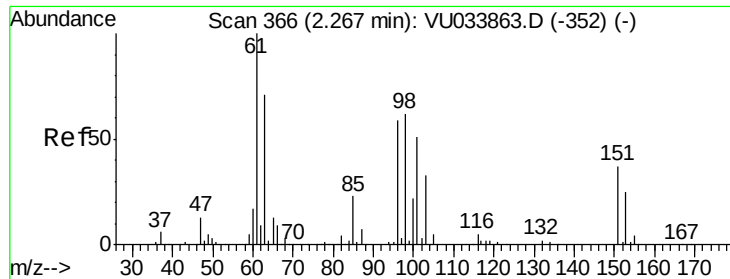
500

0

2.25 2.30

Time-->

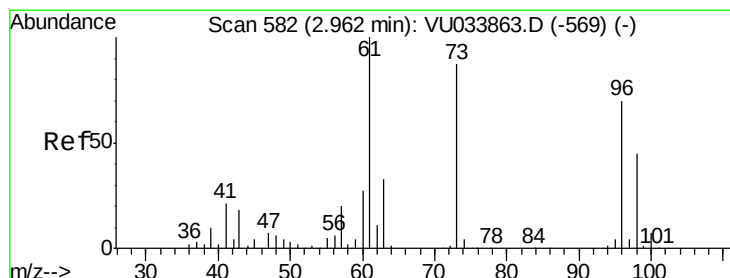
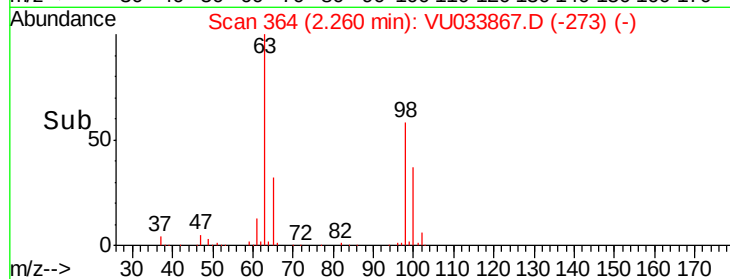
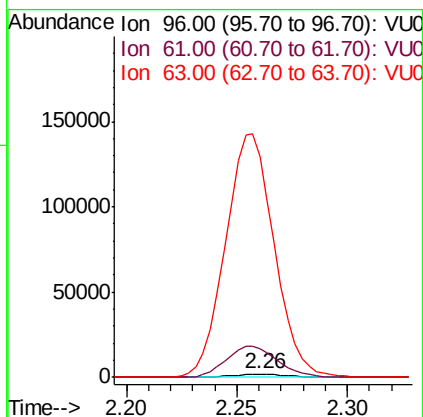
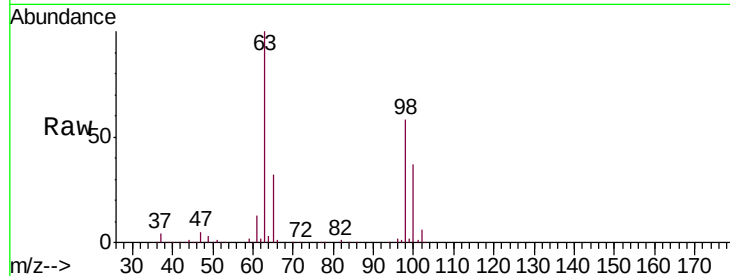




#12
 1,1-Dichloroethene
 Concen: 1.236 ug/L
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU033867.D
 Acq: 21 Aug 2019 12:52

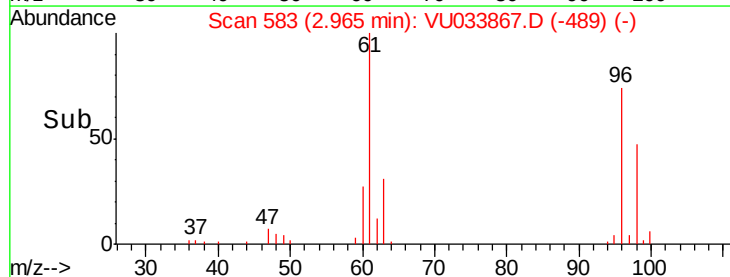
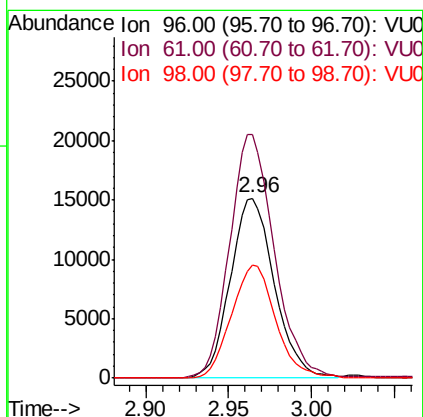
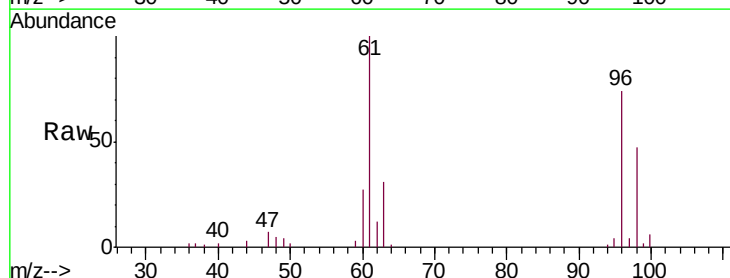
Instrument :
 MSVOA_U
 ClientSampleId :
 F2B39

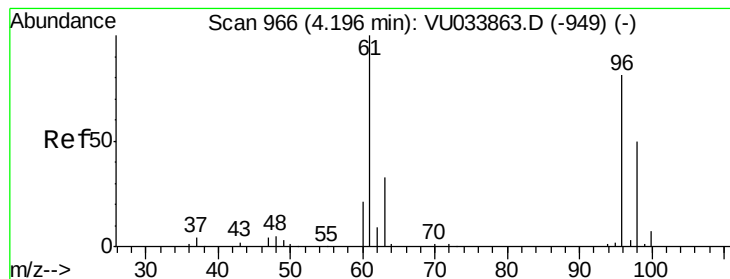
Tgt Ion: 96 Resp: 3355
 Ion Ratio Lower Upper
 96 100
 61 841.4 123.7 229.7#
 63 6547.7 91.2 169.4#



#17
 trans-1,2-Dichloroethene
 Concen: 9.880 ug/L
 RT: 2.96 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VU033867.D
 Acq: 21 Aug 2019 12:52

Tgt Ion: 96 Resp: 27955
 Ion Ratio Lower Upper
 96 100
 61 135.5 98.6 183.2
 98 63.2 43.8 81.3



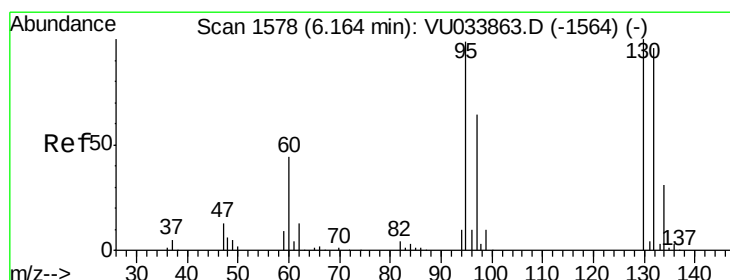
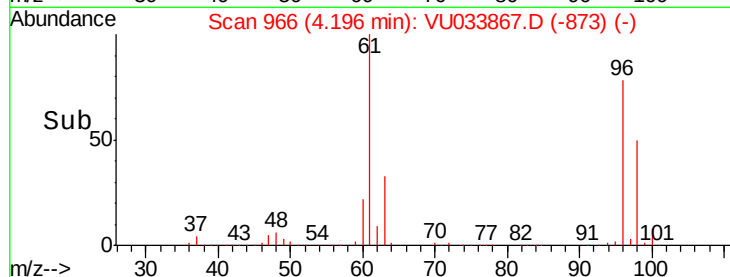
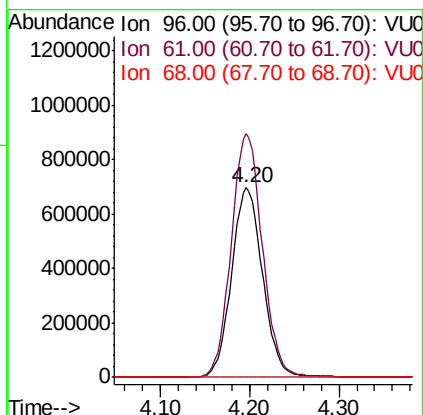
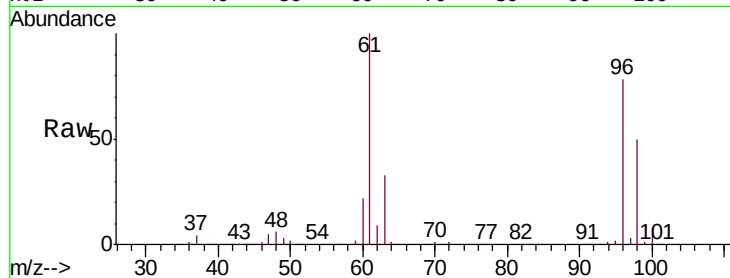


#20

cis-1,2-Dichloroethene
Concen: 548.388 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033867.D
Acq: 21 Aug 2019 12:52

Instrument :
MSVOA_U
ClientSampleId :
F2B39

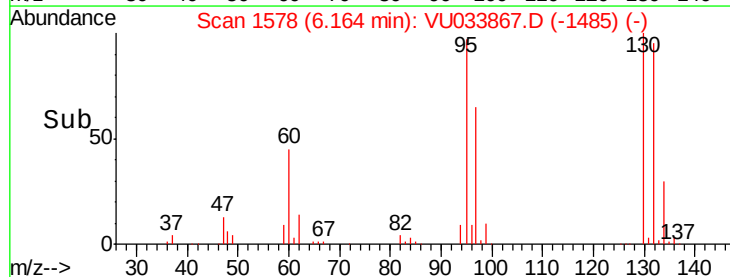
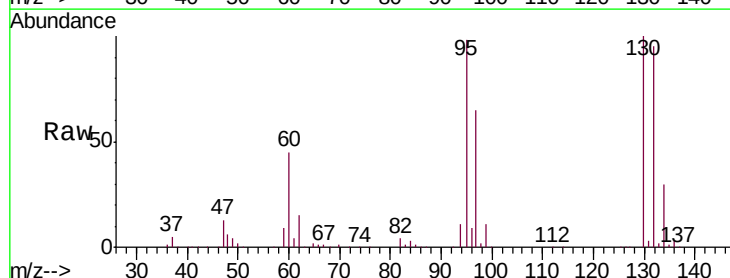
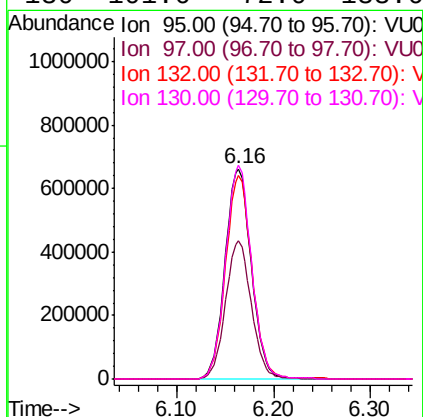
Tgt Ion: 96 Resp: 1678439
Ion Ratio Lower Upper
96 100
61 128.6 88.2 163.8
68 0.0 0.0 0.0

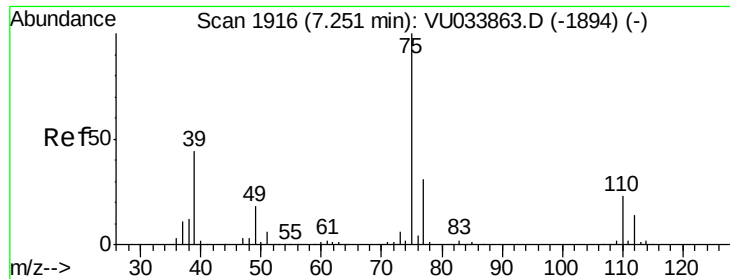


#34

Trichloroethene
Concen: 393.377 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033867.D
Acq: 21 Aug 2019 12:52

Tgt Ion: 95 Resp: 1250684
Ion Ratio Lower Upper
95 100
97 65.7 46.3 86.1
132 97.1 67.9 126.1
130 101.6 72.0 133.6



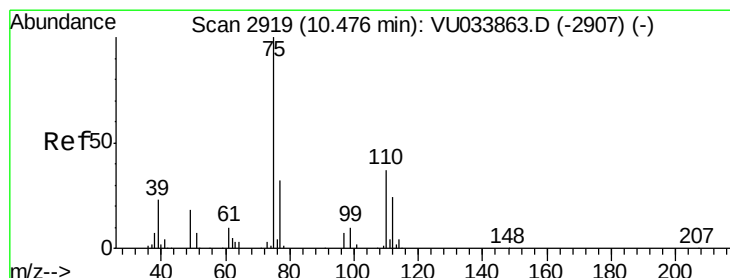
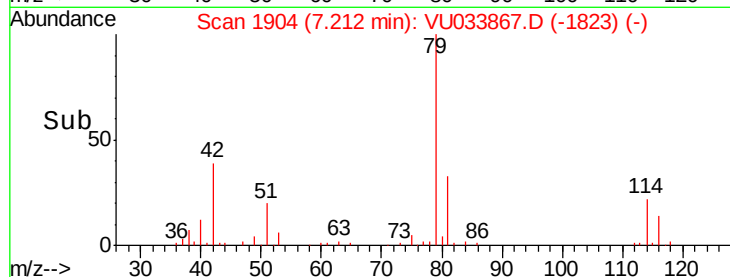
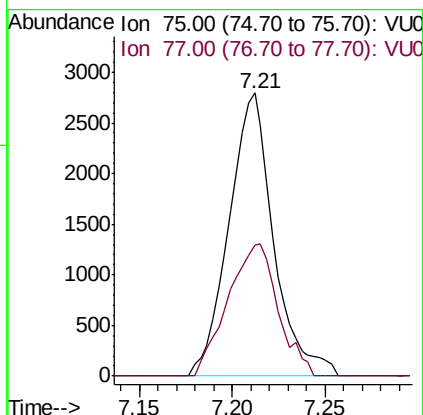
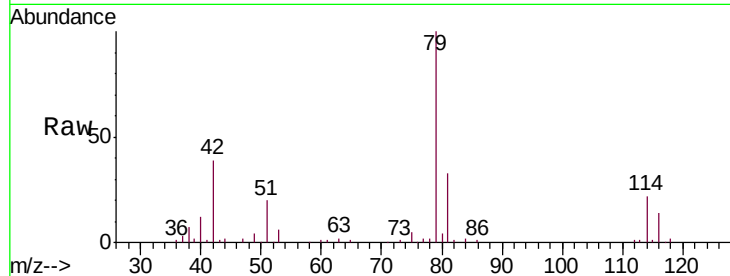


#39

cis-1,3-Dichloropropene
 Concen: 0.984 ug/L
 RT: 7.21 min Scan# 1904
 Delta R.T. -0.04 min
 Lab File: VU033867.D
 Acq: 21 Aug 2019 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B39

Tgt Ion: 75 Resp: 4679
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.5 41.7#



#59

1,2,3-Trichloropropane
 Concen: 4.811 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033867.D
 Acq: 21 Aug 2019 12:52

Tgt Ion: 75 Resp: 19009
 Ion Ratio Lower Upper
 75 100
 77 37.2 26.0 39.0

