

Data File : VU033525.D
Acq On : 31 Jul 2019 14:56
Operator : JC/SP
Sample : K4103-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9E5

Quant Time: Aug 01 07:25:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	316609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	313183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112496	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.74%
7) Chloroethane-d5	1.67	69	99948	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.22%
11) 1,1-Dichloroethene-d2	2.26	63	161048	38.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.10%
21) 2-Butanone-d5	4.16	46	184623	121.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.09%
24) Chloroform-d	4.62	84	196390	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.29	65	130867	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.12%
32) Benzene-d6	5.32	84	411709	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.06%
36) 1,2-Dichloropropane-d6	6.31	67	129689	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.58%
41) Toluene-d8	7.55	98	369830	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%
43) trans-1,3-Dichloropropene-	7.83	79	62218	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.30	63	125402	108.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.53%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	194263	51.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	144454	54.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.70%

Target Compounds

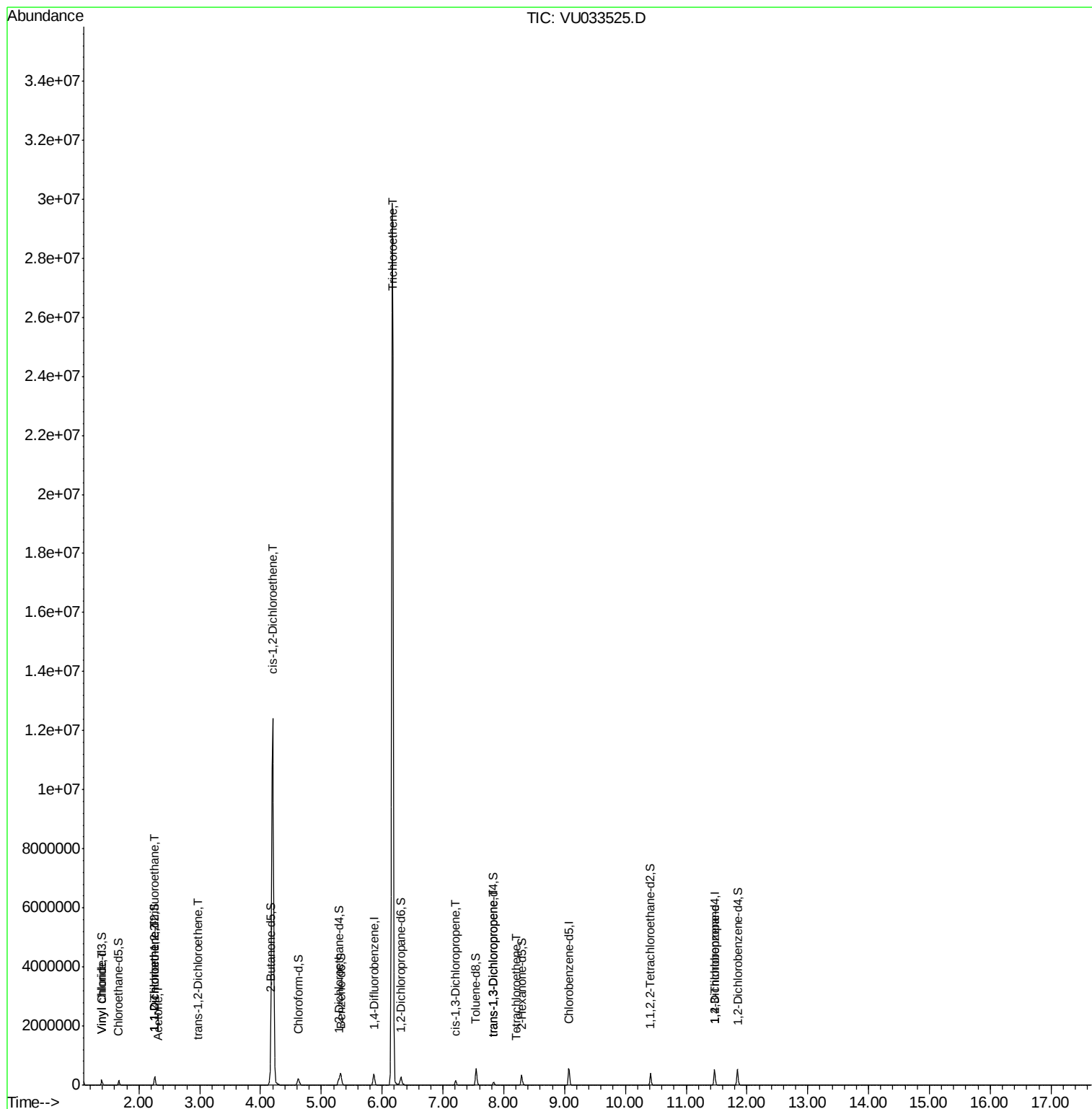
					Qvalue
5) Vinyl chloride	1.40	62	5653	1.753 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1595	0.746 ug/L #	19
12) 1,1-Dichloroethene	2.27	96	13640	6.653 ug/L #	1
13) Acetone	2.32	43	1218	0.781 ug/L	69
17) trans-1,2-Dichloroethene	2.97	96	7426	3.457 ug/L	88
20) cis-1,2-Dichloroethene	4.20	96	6735990	2793.757 ug/L	100
34) Trichloroethene	6.17	95	9807730	4115.269 ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	3939	1.044 ug/L #	66
44) trans-1,3-Dichloropropene	7.83	75	2643	0.775 ug/L #	80
46) Tetrachloroethene	8.22	164	1086	0.558 ug/L	90
59) 1,2,3-Trichloropropane	11.47	75	17059	5.344 ug/L	93

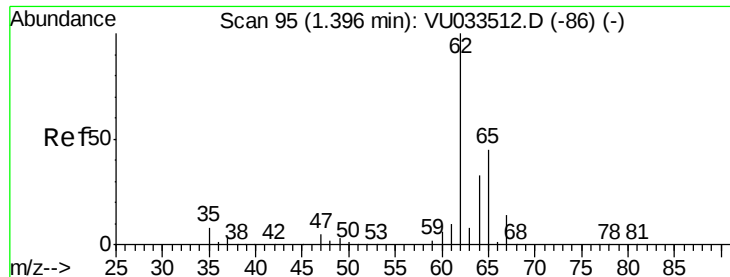
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.753 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

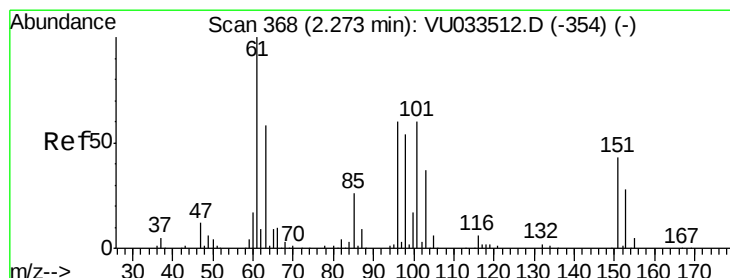
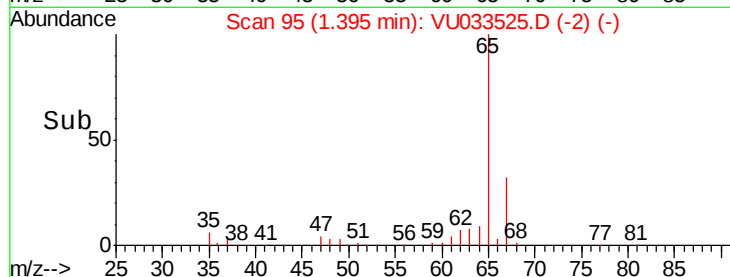
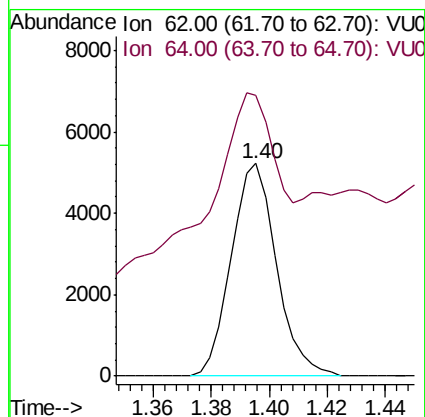
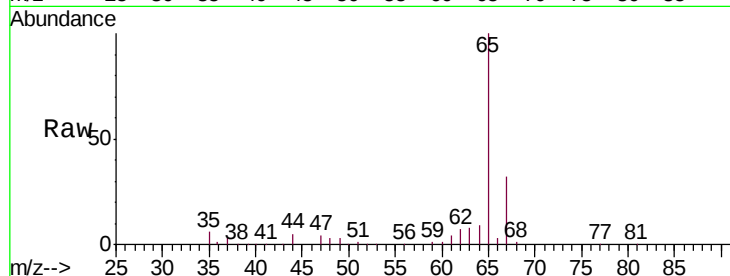
DB9E5

Tgt Ion: 62 Resp: 5653

Ion Ratio Lower Upper

62 100

64 132.3 23.4 43.4#



#10

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

Concen: 0.746 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

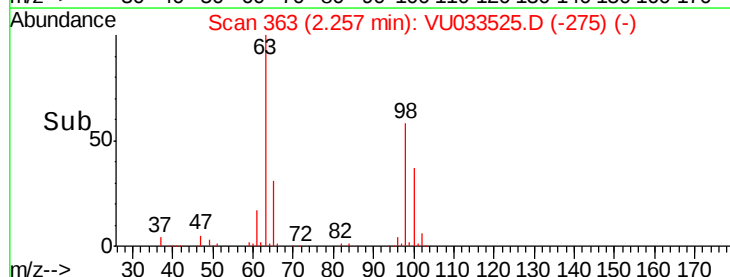
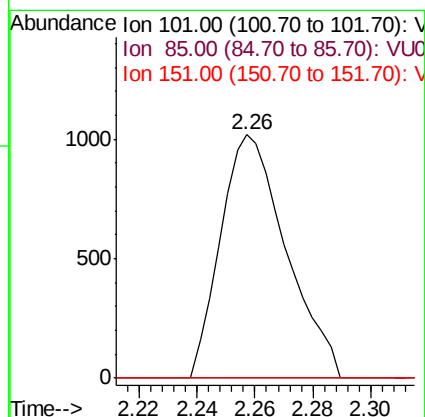
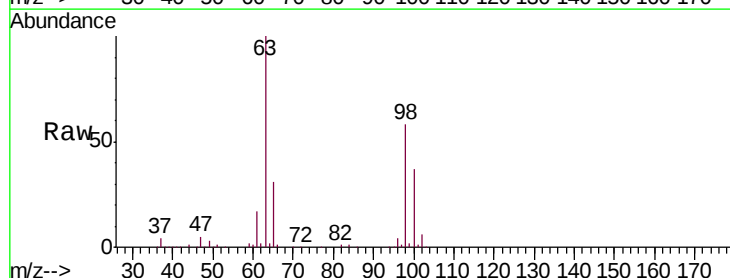
Tgt Ion: 101 Resp: 1595

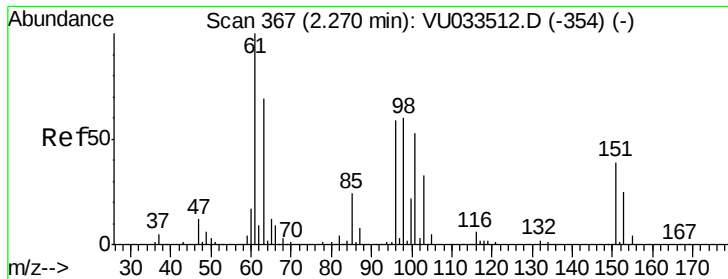
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 60.1 90.1#





#12

1,1-Dichloroethene

Concen: 6.653 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB9E5

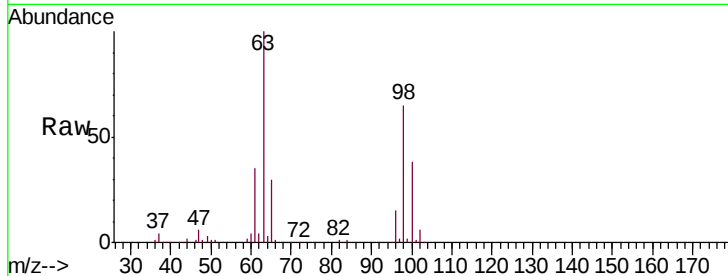
Tgt Ion: 96 Resp: 13640

Ion Ratio Lower Upper

96 100

61 231.4 119.3 221.5#

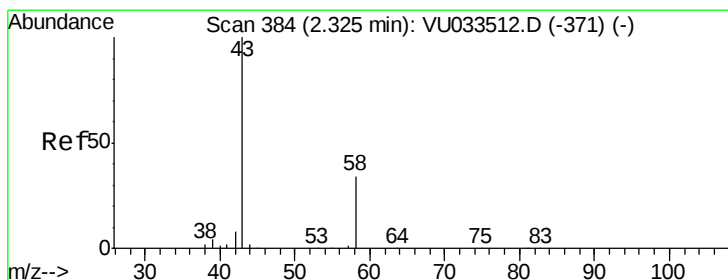
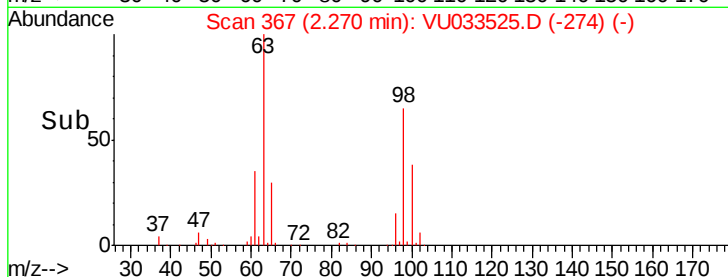
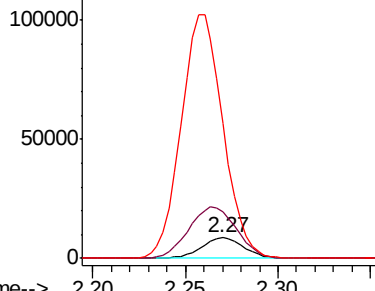
63 665.7 86.6 160.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 0.781 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU033525.D

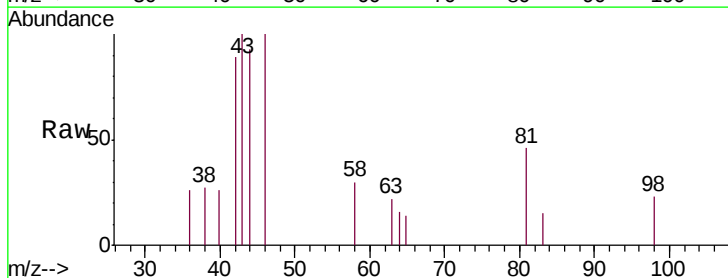
Acq: 31 Jul 2019 14:56

Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

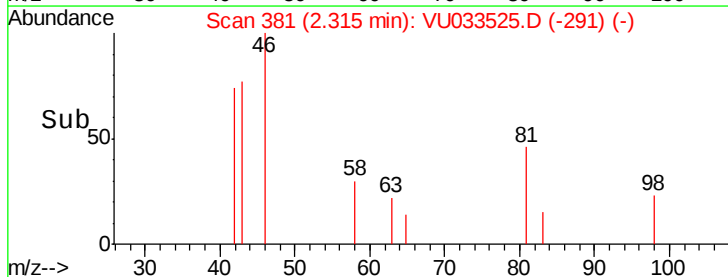
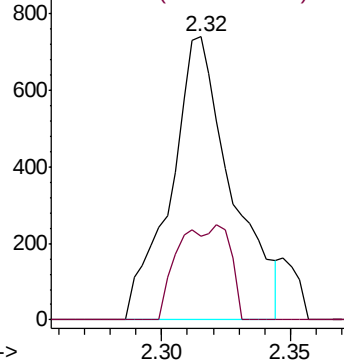
43 100

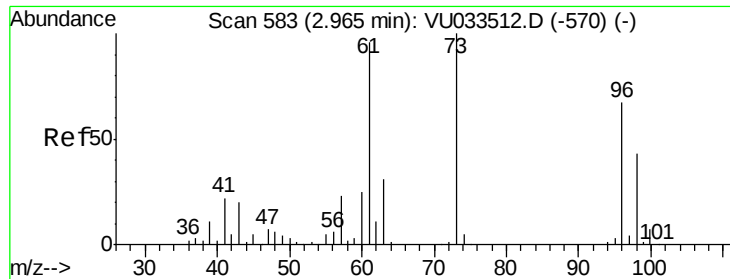
58 15.3 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

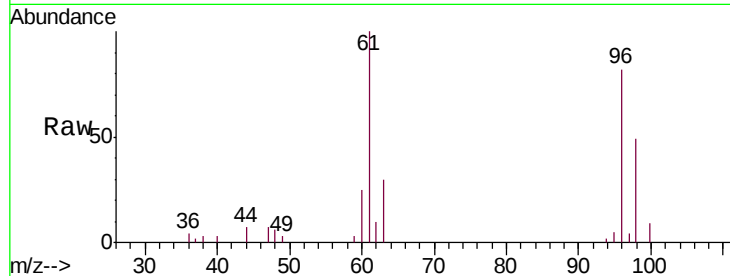




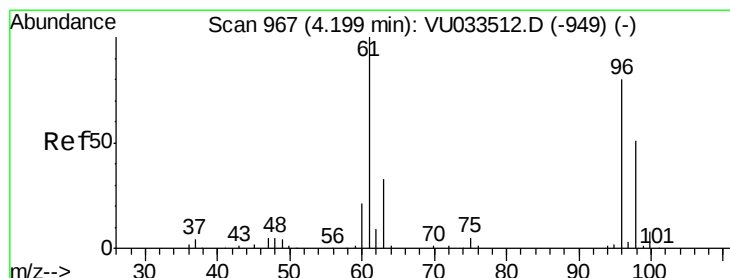
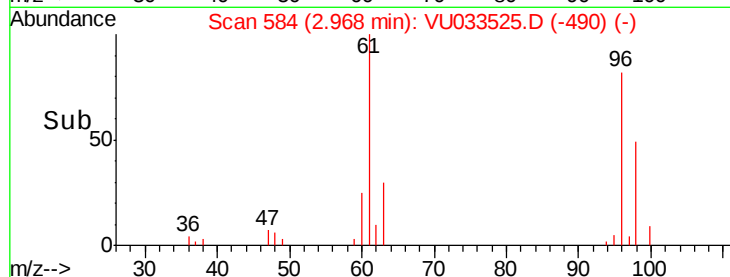
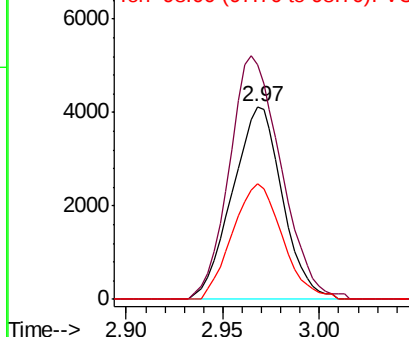
#17
 trans-1,2-Dichloroethene
 Concen: 3.457 ug/L
 RT: 2.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VU033525.D
 Acq: 31 Jul 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9E5

Tgt Ion: 96 Resp: 7426
 Ion Ratio Lower Upper
 96 100
 61 122.0 98.3 182.5
 98 59.8 44.3 82.3

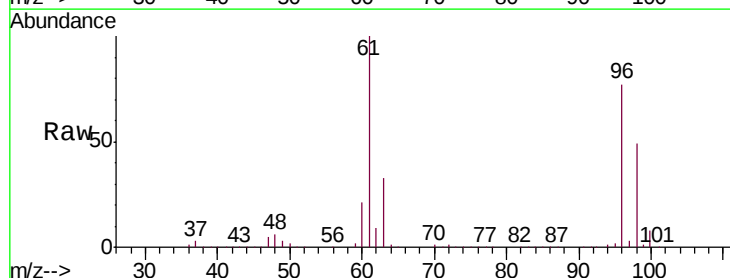


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

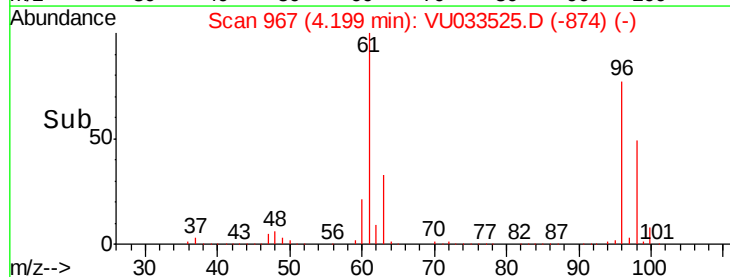
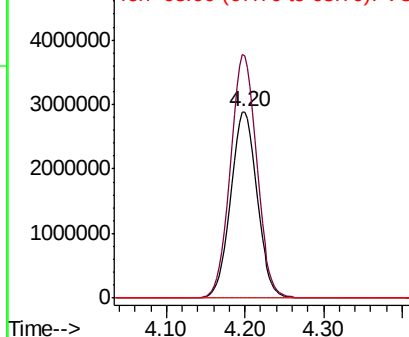


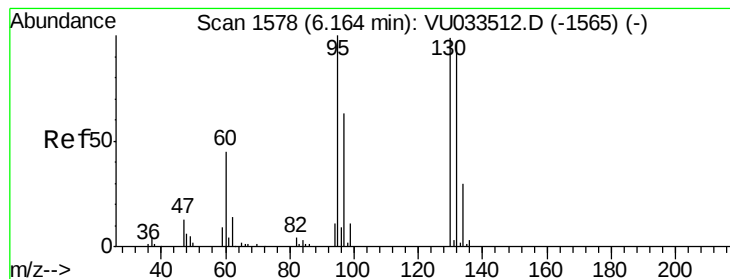
#20
 cis-1,2-Dichloroethene
 Concen: 2793.757 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033525.D
 Acq: 31 Jul 2019 14:56

Tgt Ion: 96 Resp: 6735990
 Ion Ratio Lower Upper
 96 100
 61 130.1 91.3 169.6
 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





#34

Trichloroethene

Concen: 4115.269 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB9E5

Tgt Ion: 95 Resp: 9807730

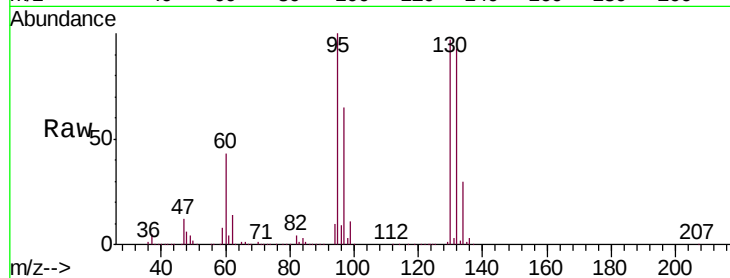
Ion Ratio Lower Upper

95 100

97 65.0 44.7 83.1

132 93.2 66.8 124.0

130 97.1 71.6 133.0

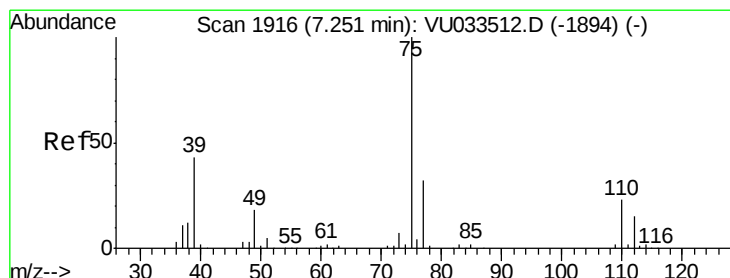
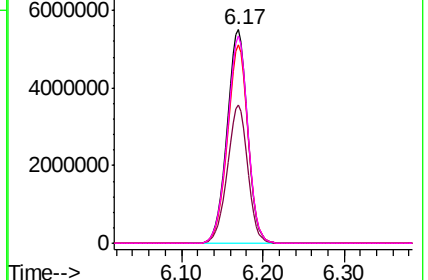
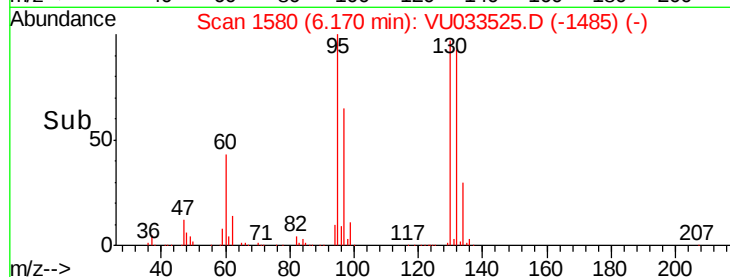


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.044 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033525.D

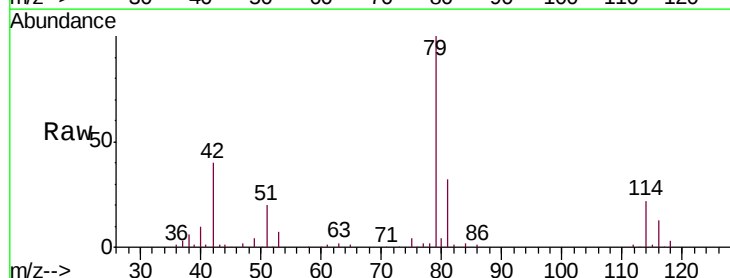
Acq: 31 Jul 2019 14:56

Tgt Ion: 75 Resp: 3939

Ion Ratio Lower Upper

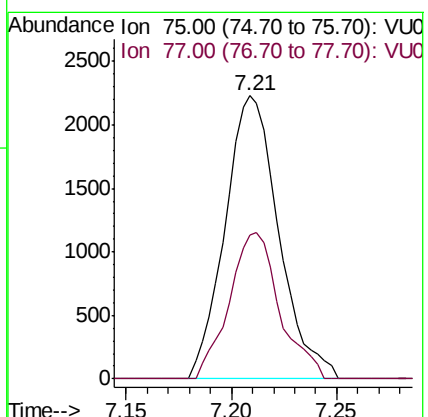
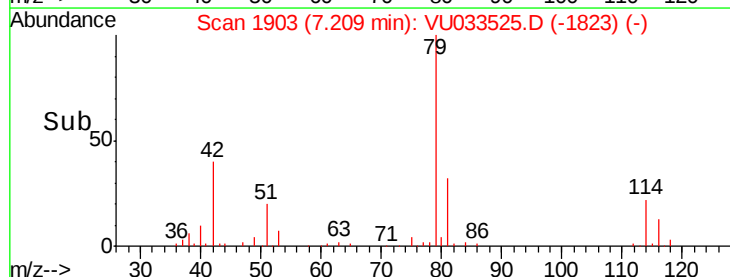
75 100

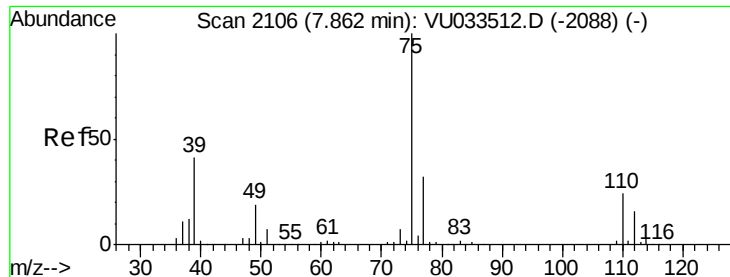
77 50.9 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

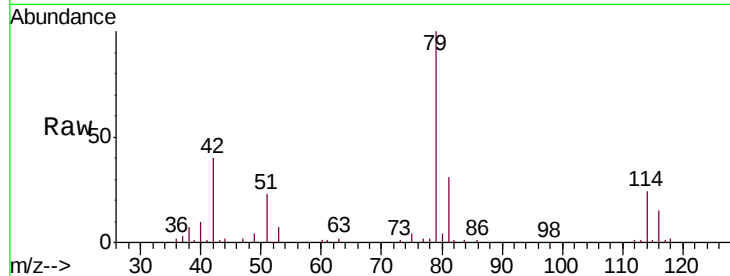
DB9E5

Tgt Ion: 75 Resp: 2643

Ion Ratio Lower Upper

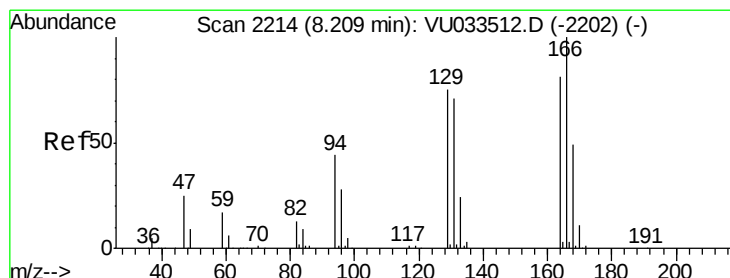
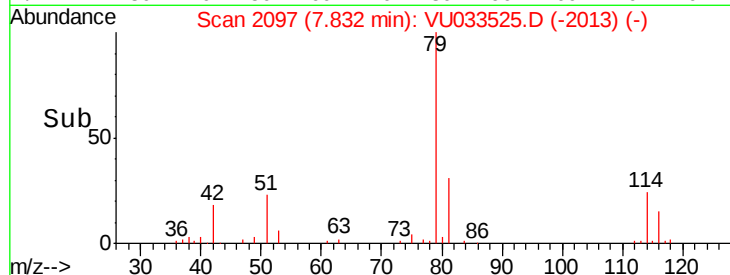
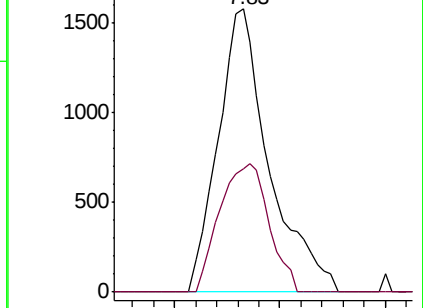
75 100

77 43.7 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VU033525.D (-2103) (-)

Ion 77.00 (76.70 to 77.70): VU033525.D (-2103) (-)



#46

Tetrachloroethene

Concen: 0.558 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Tgt Ion:164 Resp: 1086

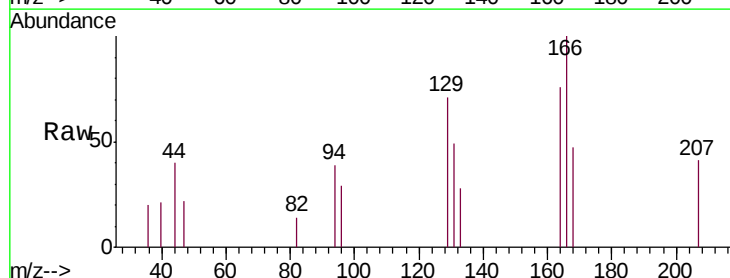
Ion Ratio Lower Upper

164 100

129 94.1 65.5 121.7

131 65.3 63.3 117.7

166 132.4 88.2 163.8

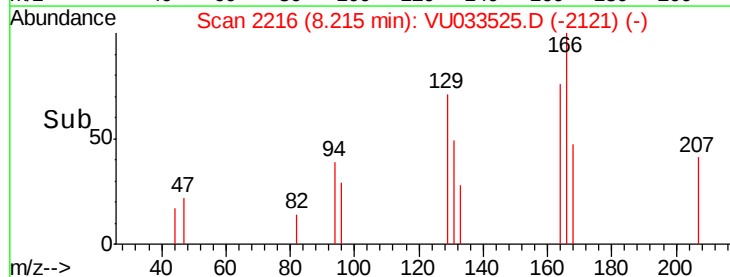
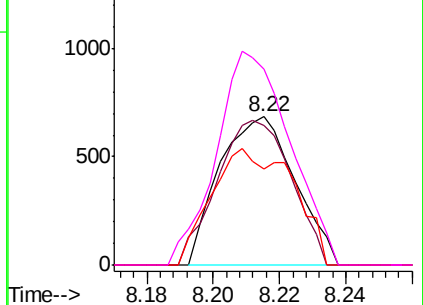


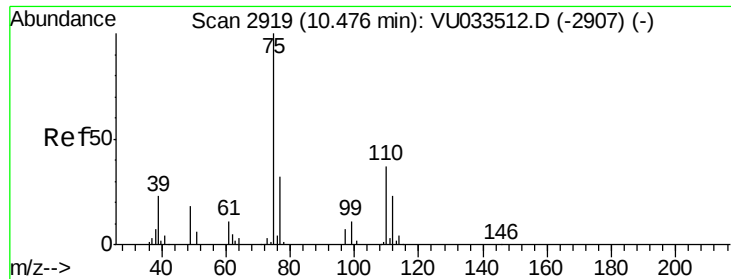
Abundance Ion 164.00 (163.70 to 164.70): VU033525.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033525.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033525.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033525.D (-2211) (-)





#59

1,2,3-Trichloropropane

Concen: 5.344 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB9E5

Tgt Ion: 75 Resp: 17059

Ion Ratio Lower Upper

75 100

77 36.3 25.8 38.6

