

Data File : VU031921.D
Acq On : 11 May 2019 11:18
Operator : JC/SP
Sample : K2705-13RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B51

Quant Time: May 13 01:57:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	987317	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	990010	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	365835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	339461	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.67	69	303347	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.02%
11) 1,1-Dichloroethene-d2	2.27	63	487392	29.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.24%#
21) 2-Butanone-d5	4.17	46	643835	86.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.00%
24) Chloroform-d	4.64	84	662759	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
26) 1,2-Dichloroethane-d4	5.30	65	440214	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.04%
32) Benzene-d6	5.34	84	1318640	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
36) 1,2-Dichloropropane-d6	6.32	67	461109	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.22%
41) Toluene-d8	7.56	98	1104849	41.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.46%
43) trans-1,3-Dichloropropene-	7.85	79	188564	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.14%
47) 2-Hexanone-d5	8.31	63	426335	92.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	663437	46.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	376419	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%

Target Compounds

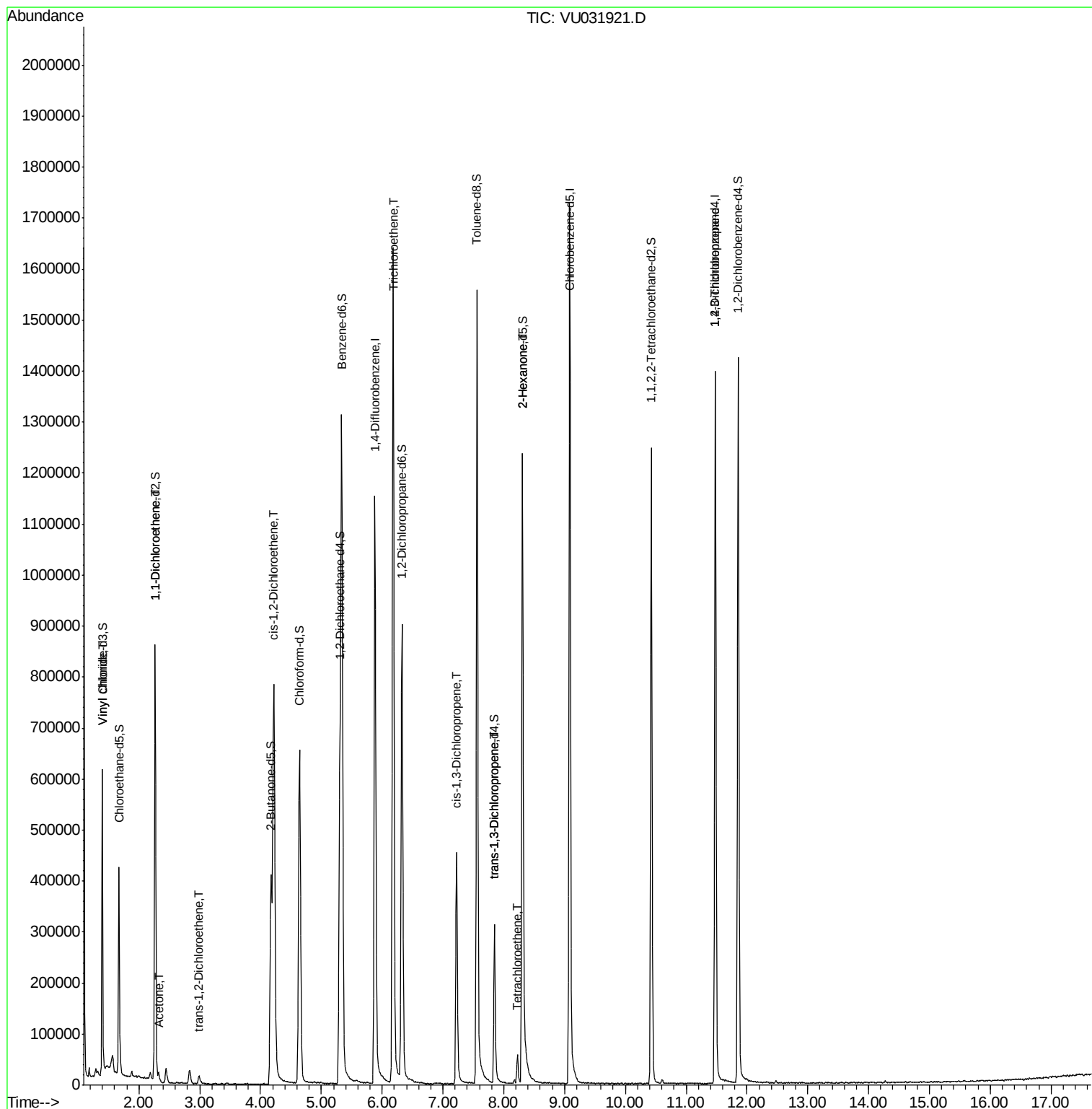
						Qvalue
5) Vinyl chloride	1.40	62	59174	4.818	ug/L #	74
12) 1,1-Dichloroethene	2.28	96	14408	1.870	ug/L #	1
13) Acetone	2.32	43	11222	1.331	ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	3103	0.387	ug/L	82
20) cis-1,2-Dichloroethene	4.22	96	422709	49.095	ug/L	97
34) Trichloroethene	6.18	95	605864	68.667	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	10676	0.782	ug/L #	60
44) trans-1,3-Dichloropropene	7.85	75	7253	0.586	ug/L	90
46) Tetrachloroethene	8.22	164	13291	2.210	ug/L	96
48) 2-Hexanone	8.31	43	48418	3.766	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	48707	3.976	ug/L	93

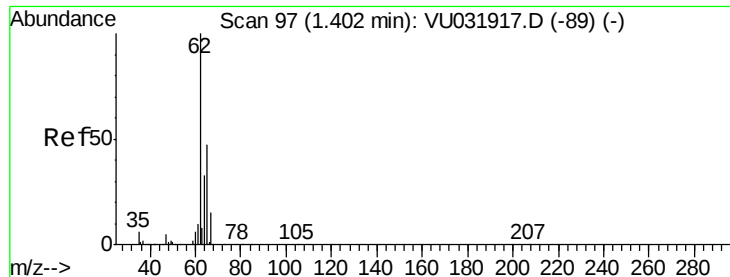
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.818 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

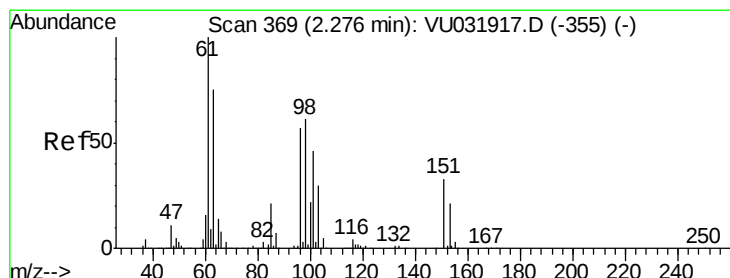
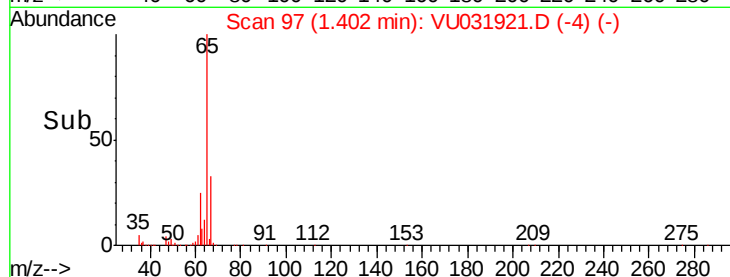
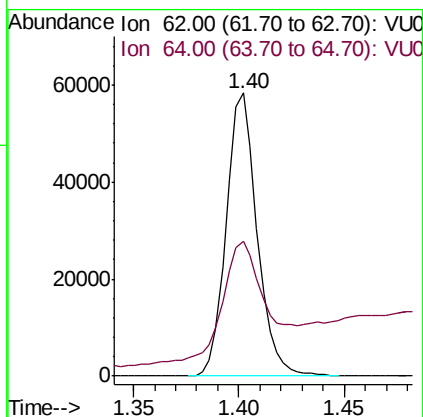
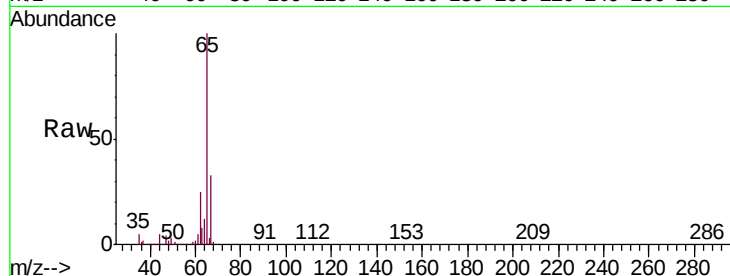
C0B51

Tgt Ion: 62 Resp: 59174

Ion Ratio Lower Upper

62 100

64 47.5 23.1 42.9#



#12

1,1-Dichloroethene

Concen: 1.870 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

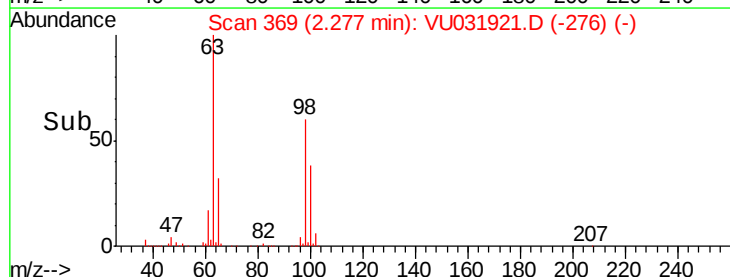
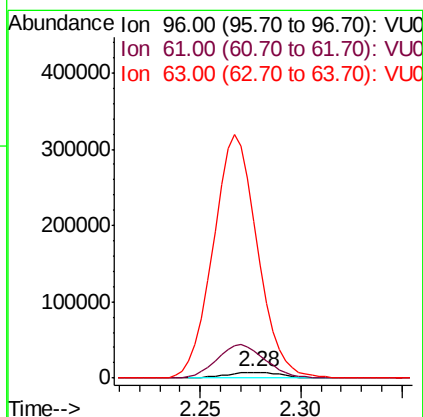
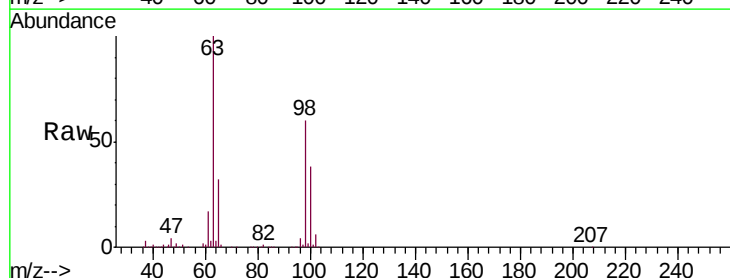
Tgt Ion: 96 Resp: 14408

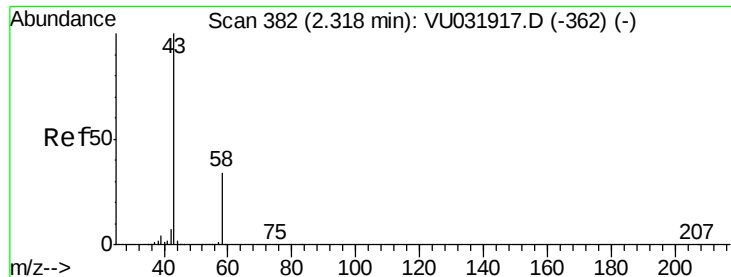
Ion Ratio Lower Upper

96 100

61 457.4 135.0 250.6#

63 2664.5 103.5 192.3#





#13

Acetone

Concen: 1.331 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

Instrument :

MSVOA_U

ClientSampled :

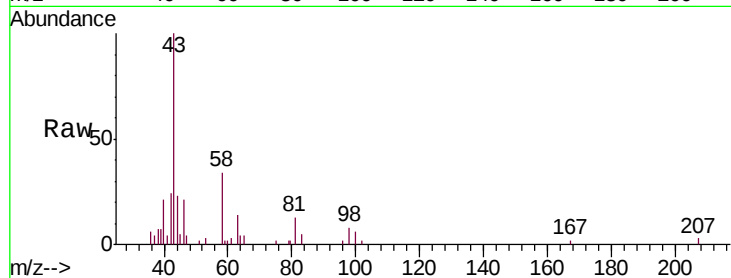
C0B51

Tgt Ion: 43 Resp: 11222

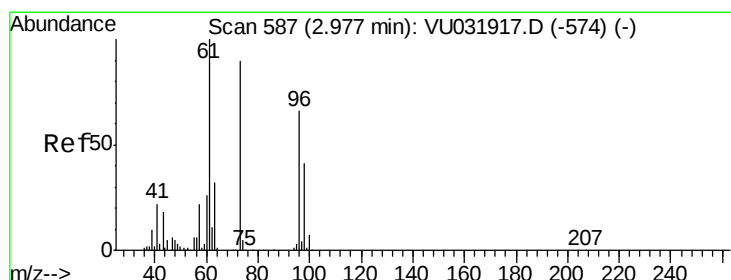
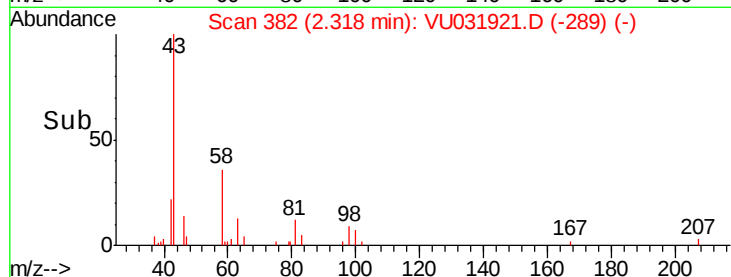
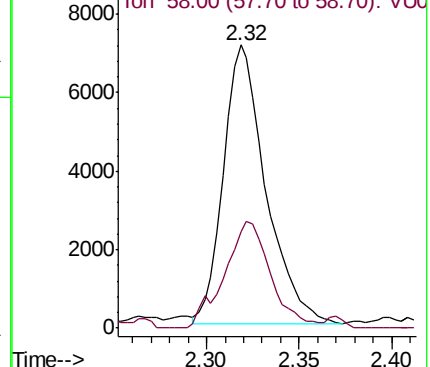
Ion Ratio Lower Upper

43 100

58 38.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031917.D (-362) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.387 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

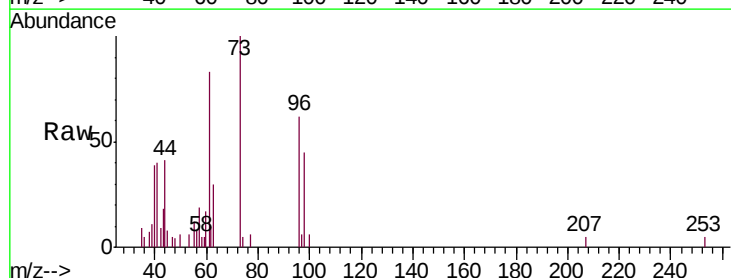
Tgt Ion: 96 Resp: 3103

Ion Ratio Lower Upper

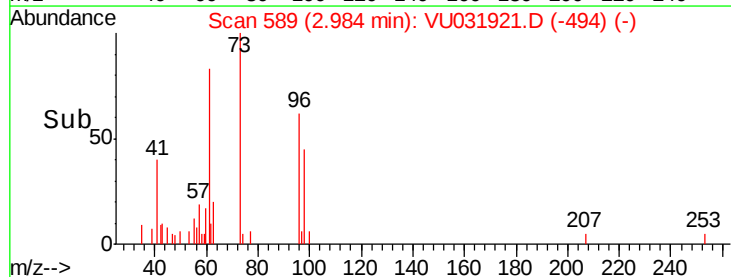
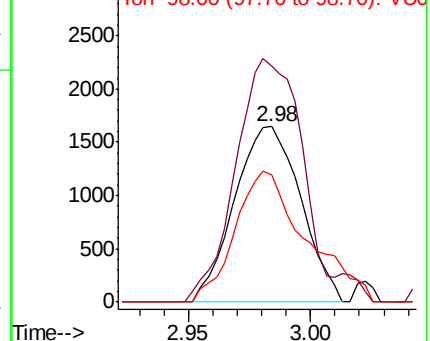
96 100

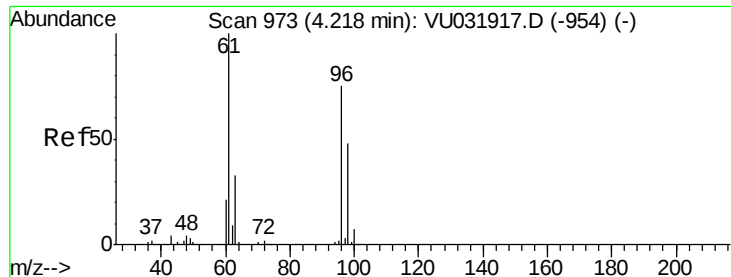
61 134.2 114.5 212.7

98 72.1 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031917.D (-574) (-)

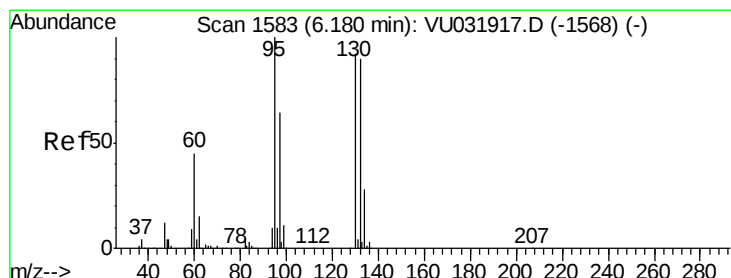
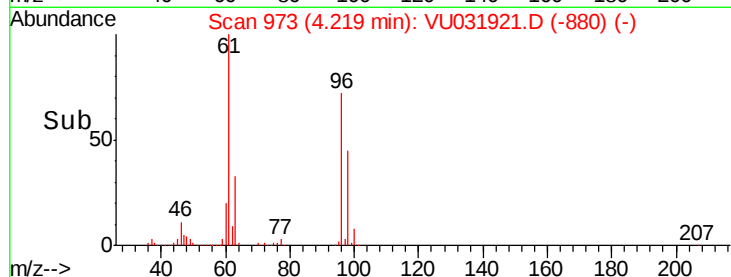
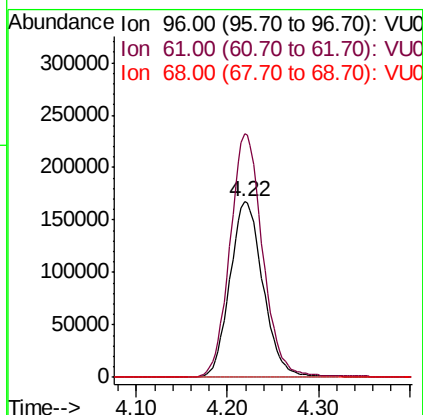
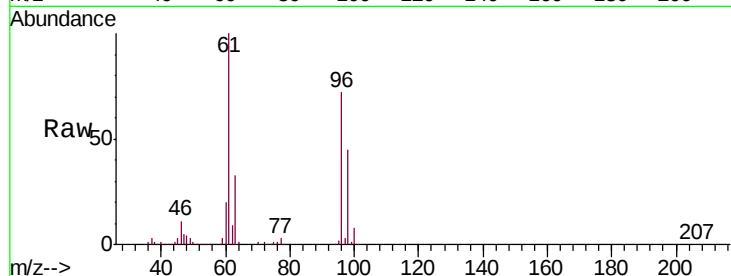




#20
 cis-1,2-Dichloroethene
 Concen: 49.095 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031921.D
 Acq: 11 May 2019 11:18

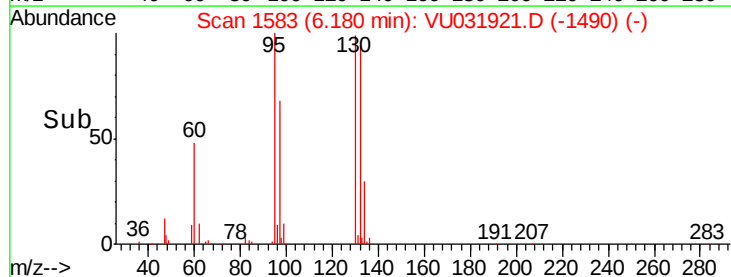
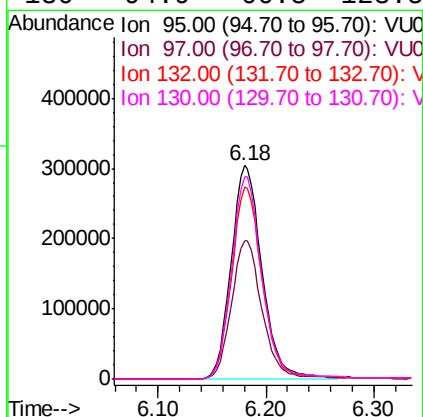
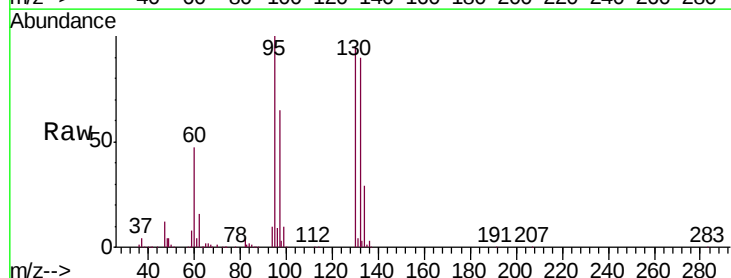
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B51

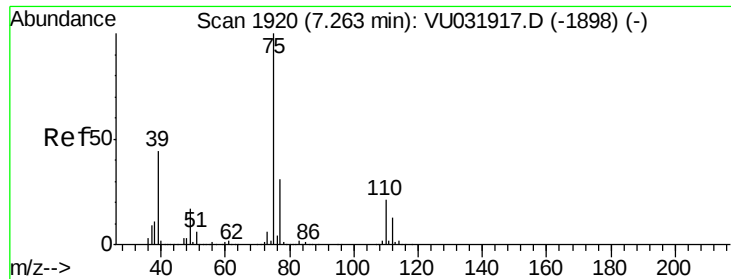
Tgt Ion: 96 Resp: 422709
 Ion Ratio Lower Upper
 96 100
 61 138.6 99.5 184.7
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 68.667 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031921.D
 Acq: 11 May 2019 11:18

Tgt Ion: 95 Resp: 605864
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.8 83.2
 132 89.6 63.1 117.1
 130 94.9 66.5 123.5





#39

cis-1,3-Dichloropropene

Concen: 0.782 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

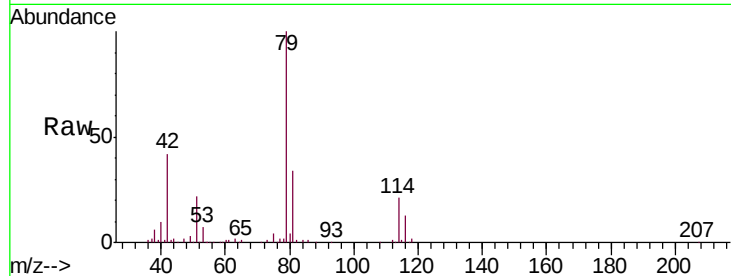
C0B51

Tgt Ion: 75 Resp: 10676

Ion Ratio Lower Upper

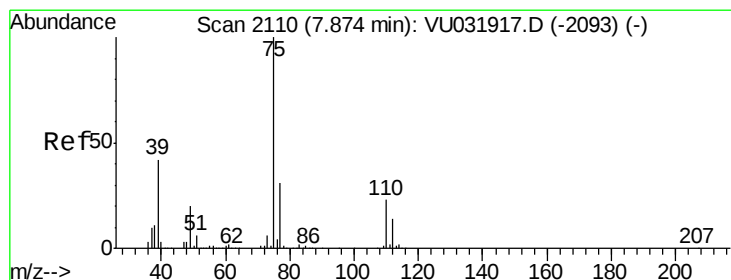
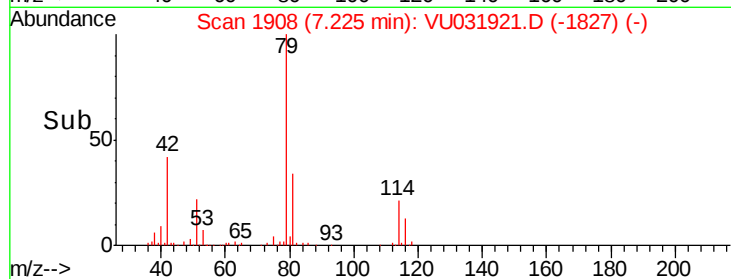
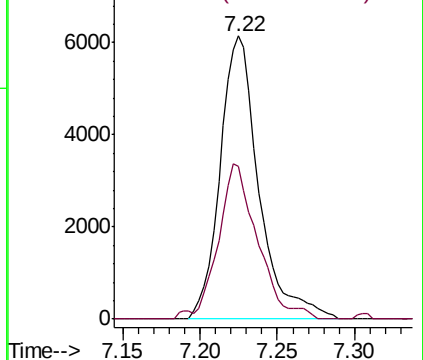
75 100

77 53.8 22.1 41.1#



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: 0.586 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031921.D

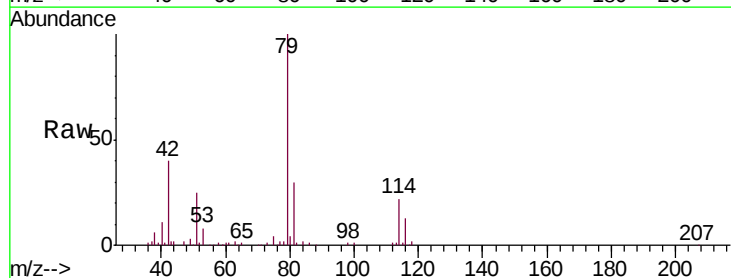
Acq: 11 May 2019 11:18

Tgt Ion: 75 Resp: 7253

Ion Ratio Lower Upper

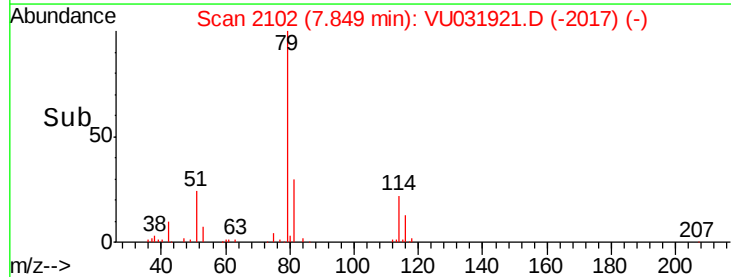
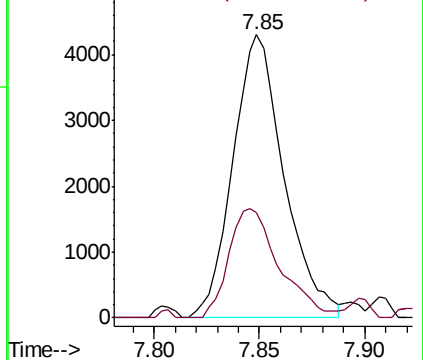
75 100

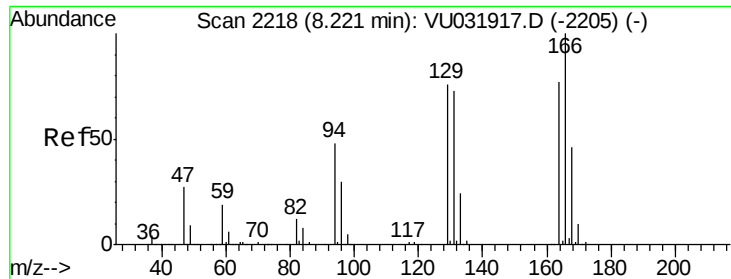
77 37.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

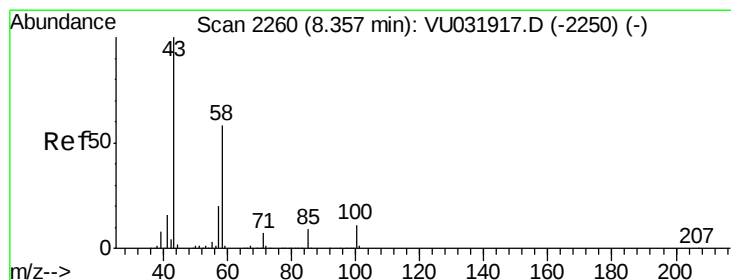
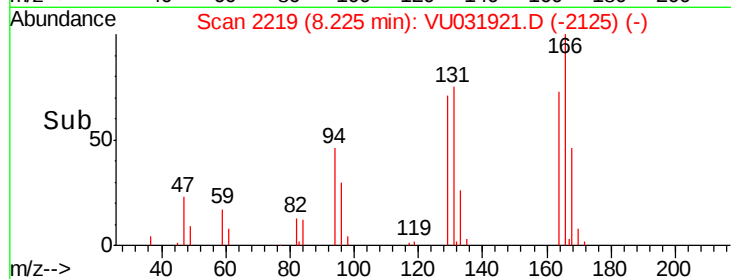
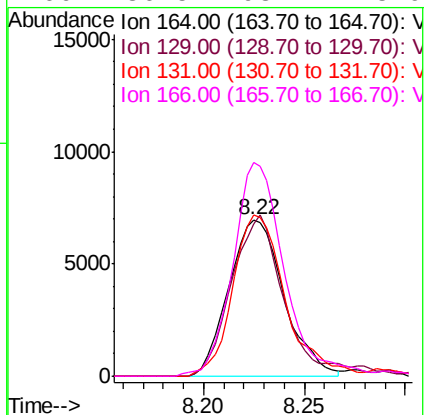
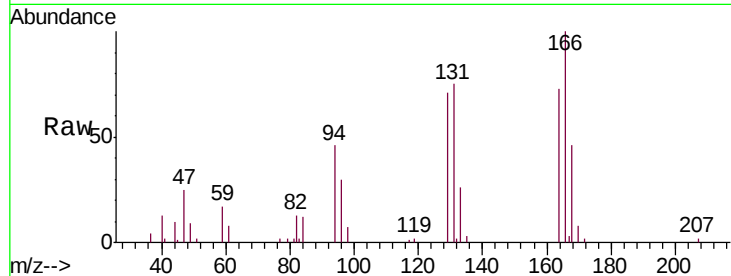




#46
Tetrachloroethene
Concen: 2.210 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031921.D
Acq: 11 May 2019 11:18

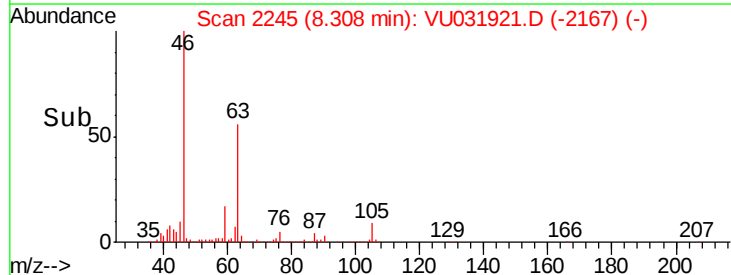
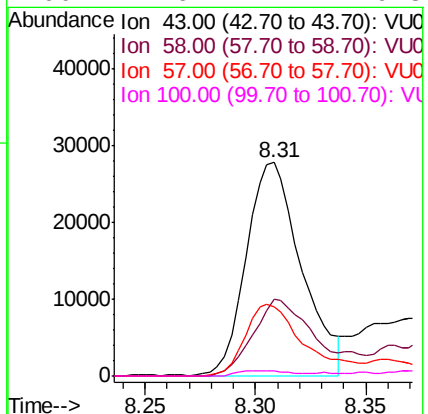
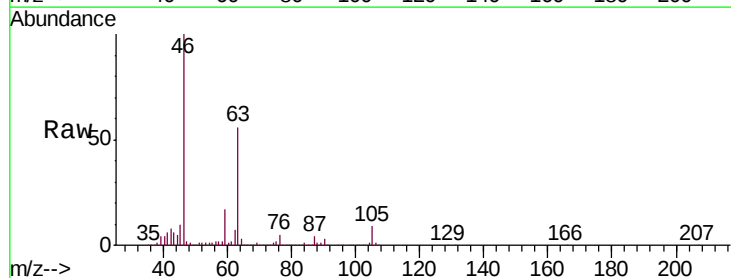
Instrument :
MSVOA_U
ClientSampled :
C0B51

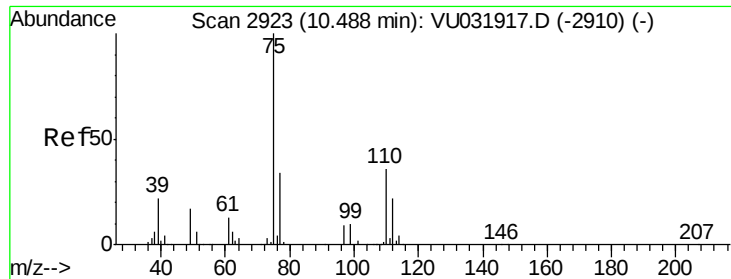
Tgt Ion:	164	Resp:	13291
Ion	Ratio	Lower	Upper
164	100		
129	97.4	71.5	132.9
131	102.8	69.0	128.2
166	136.5	93.7	173.9



#48
2-Hexanone
Concen: 3.766 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031921.D
Acq: 11 May 2019 11:18

Tgt Ion:	43	Resp:	48418
Ion	Ratio	Lower	Upper
43	100		
58	37.8	42.1	63.1#
57	35.9	14.6	22.0#
100	2.6	7.2	10.8#





#59

1,2,3-Trichloropropane

Concen: 3.976 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031921.D

Acq: 11 May 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

C0B51

Tgt Ion: 75 Resp: 48707

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9

