

Data File : VU031920.D
Acq On : 11 May 2019 10:54
Operator : JC/SP
Sample : K2705-11RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B49

Quant Time: May 13 01:57:09 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	929140	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	931230	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	337940	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	335127	43.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.20%
7) Chloroethane-d5	1.67	69	304929	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.48%
11) 1,1-Dichloroethene-d2	2.27	63	491431	31.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.46%
21) 2-Butanone-d5	4.17	46	654660	92.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.92%
24) Chloroform-d	4.89	84	219	0.02	ug/L	0.25
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.04%#
26) 1,2-Dichloroethane-d4	5.30	65	444575	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.33	84	1347658	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
36) 1,2-Dichloropropane-d6	6.32	67	463190	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.08%
41) Toluene-d8	7.56	98	1120019	44.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.94%
43) trans-1,3-Dichloropropene-	7.85	79	189261	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.64%
47) 2-Hexanone-d5	8.31	63	442317	101.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	683183	50.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	386811	54.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.86%

Target Compounds

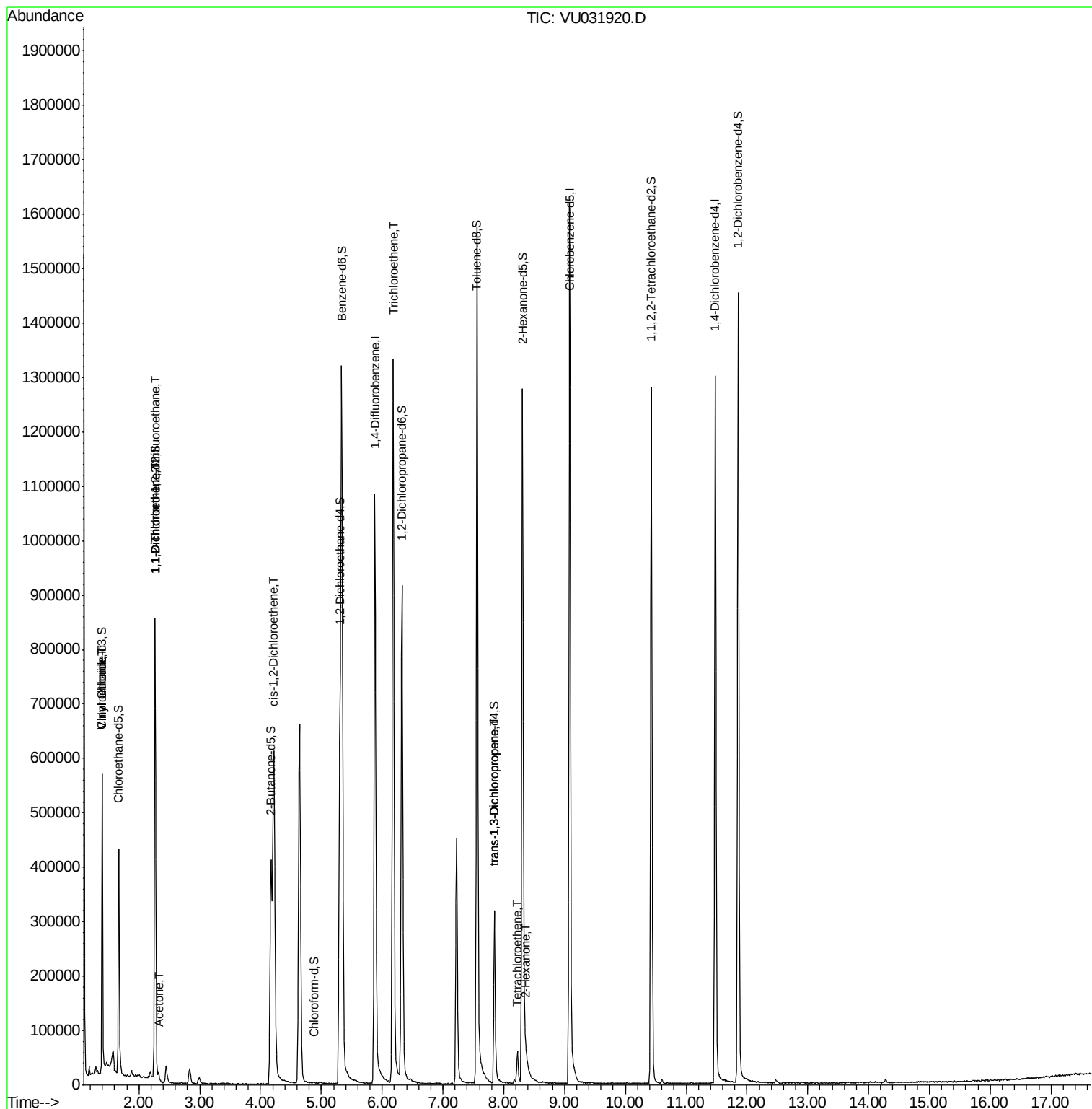
						Qvalue
5) Vinyl chloride	1.40	62	28938	2.504	ug/L #	28
8) Chloroethane	1.40	64	21471	3.399	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4723	0.634	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	8970	1.237	ug/L #	1
13) Acetone	2.32	43	11151	1.405	ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	325821	40.212	ug/L	96
34) Trichloroethene	6.18	95	508178	61.231	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	7877	0.676	ug/L	88
46) Tetrachloroethene	8.23	164	14052	2.484	ug/L	87
48) 2-Hexanone	8.37	43	23967	1.982	ug/L #	40

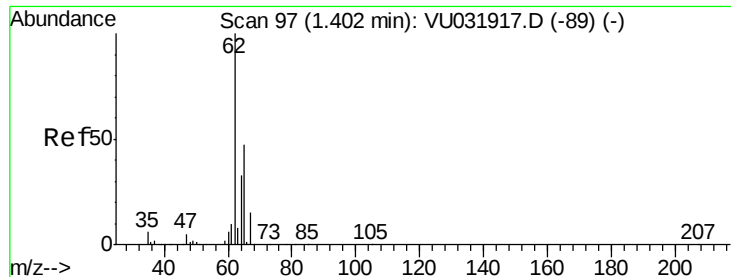
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.504 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

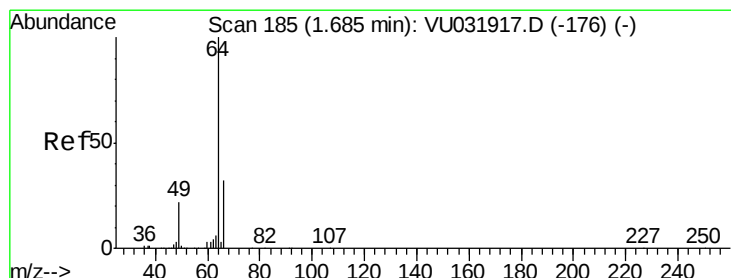
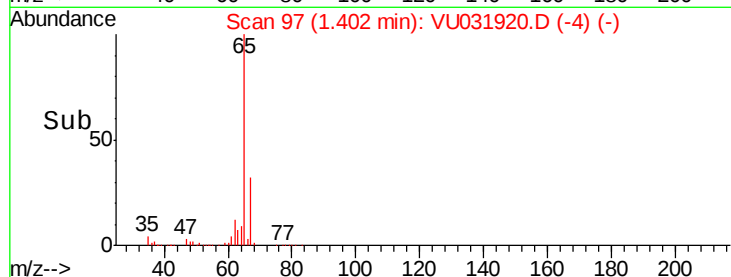
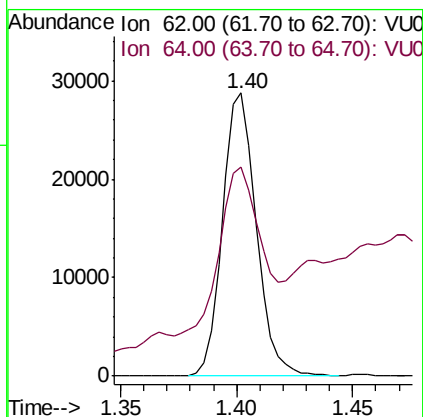
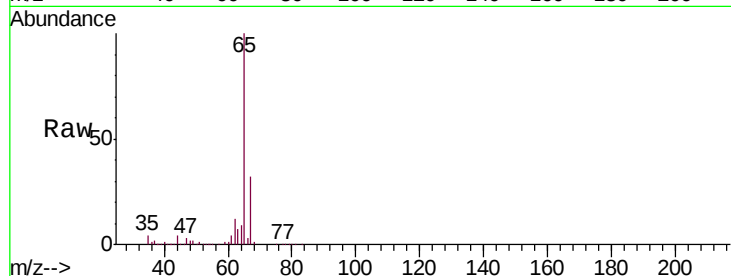
C0B49

Tgt Ion: 62 Resp: 28938

Ion Ratio Lower Upper

62 100

64 73.8 23.1 42.9#



#8

Chloroethane

Concen: 3.399 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.28 min

Lab File: VU031920.D

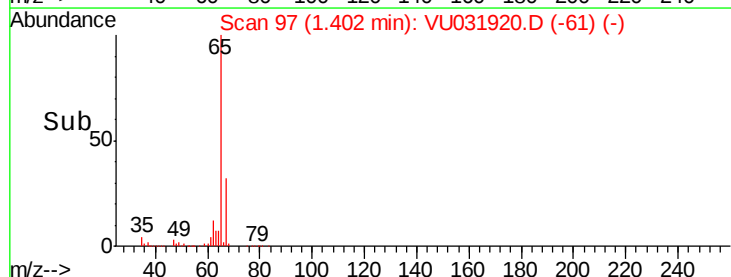
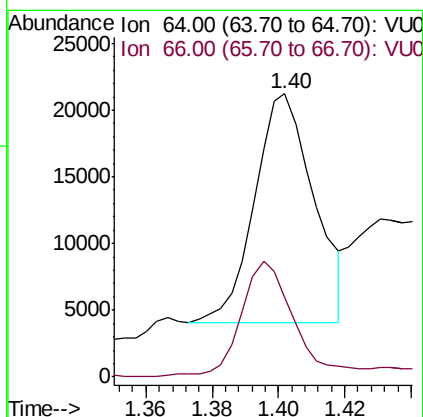
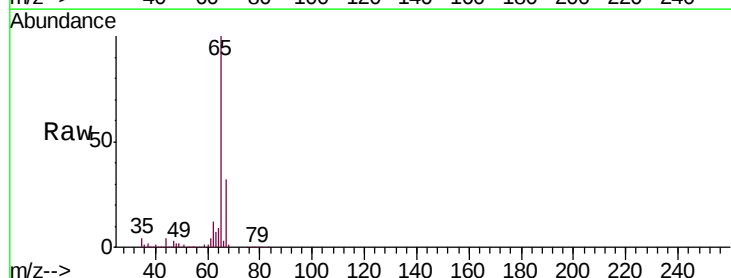
Acq: 11 May 2019 10:54

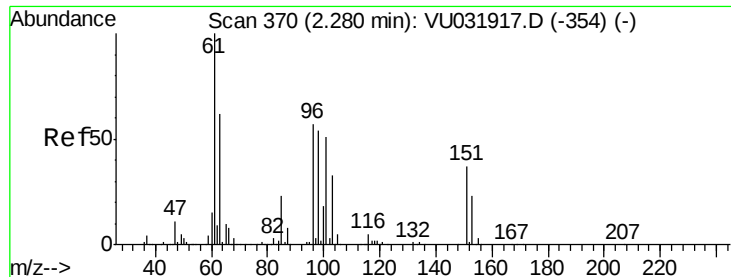
Tgt Ion: 64 Resp: 21471

Ion Ratio Lower Upper

64 100

66 28.4 23.2 43.0





#10

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

Concen: 0.634 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

C0B49

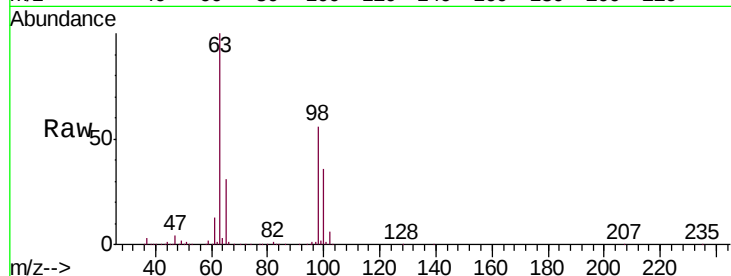
Tgt Ion: 101 Resp: 4723

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

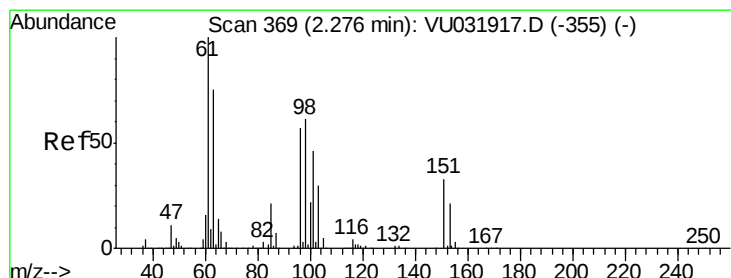
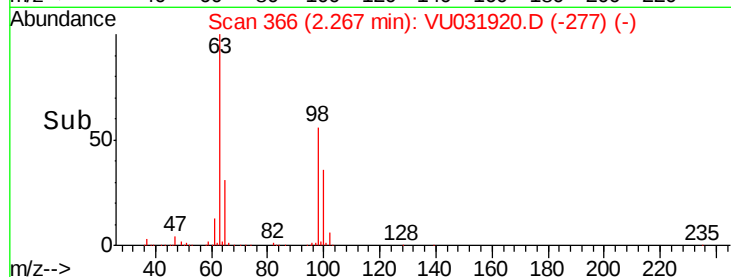
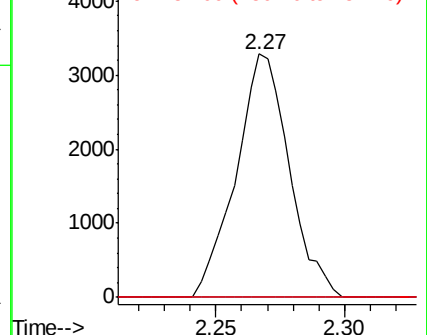
151 0.0 56.1 84.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.237 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

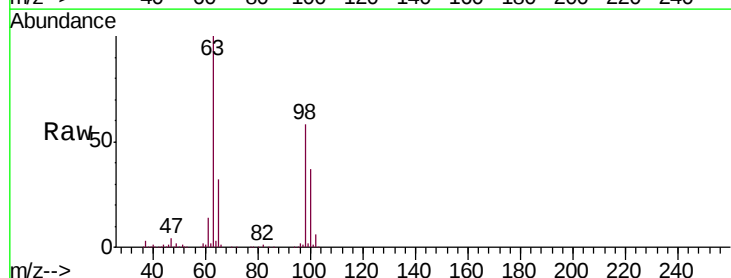
Tgt Ion: 96 Resp: 8970

Ion Ratio Lower Upper

96 100

61 697.0 135.0 250.6#

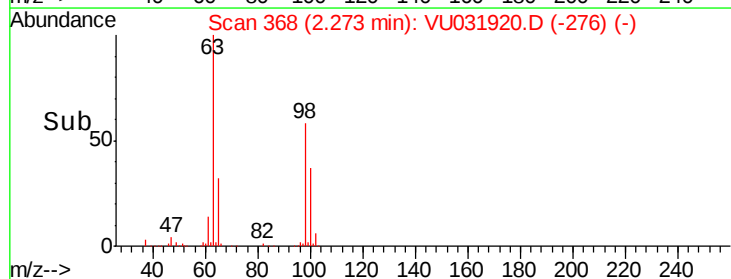
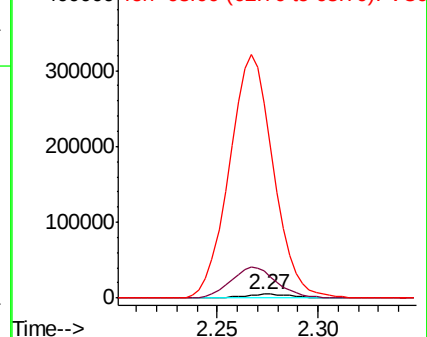
63 5096.2 103.5 192.3#

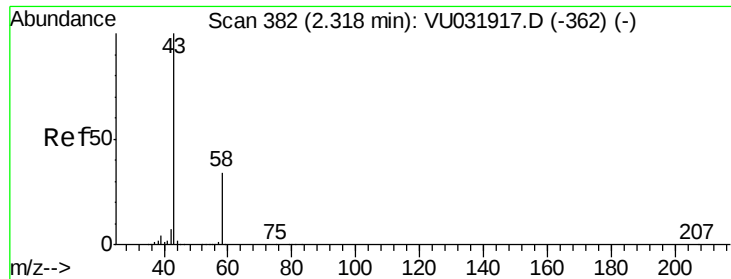


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.405 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

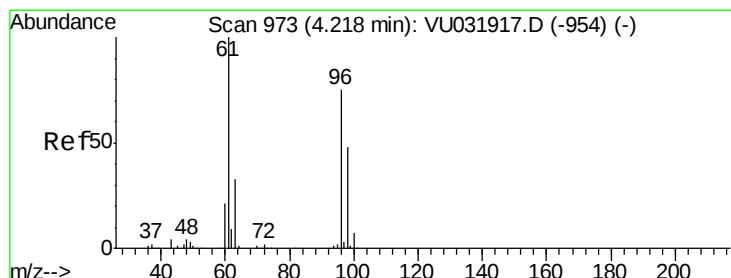
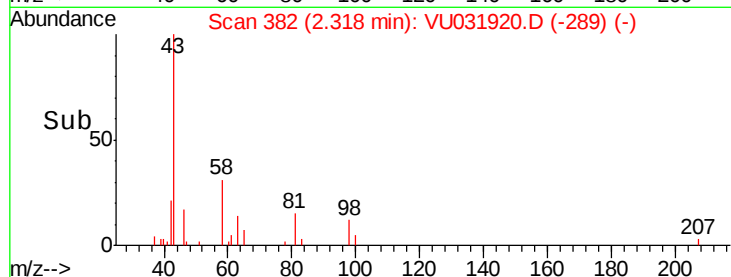
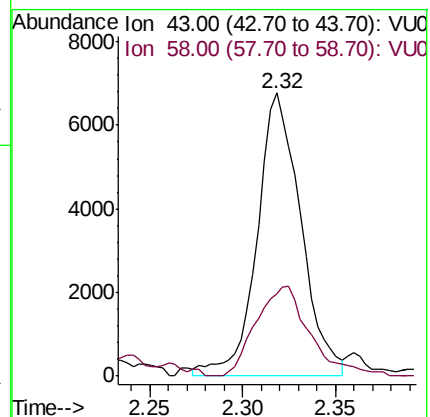
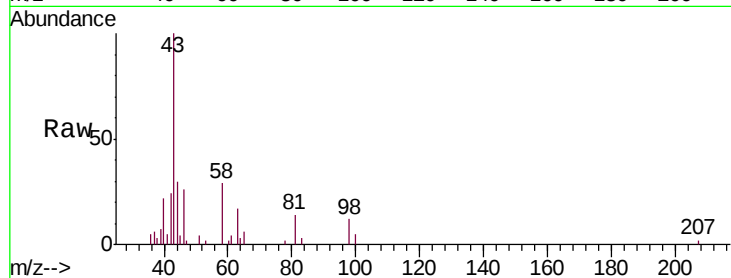
C0B49

Tgt Ion: 43 Resp: 11151

Ion Ratio Lower Upper

43 100

58 39.0 0.0 64.4



#20

cis-1,2-Dichloroethene

Concen: 40.212 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

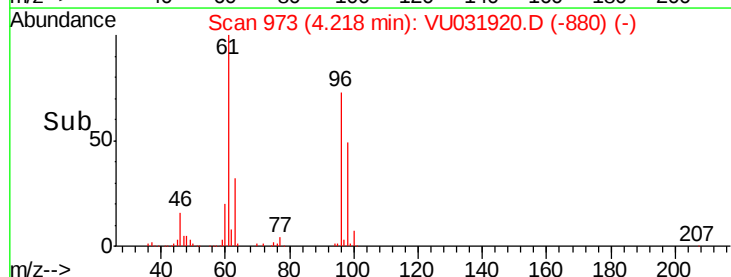
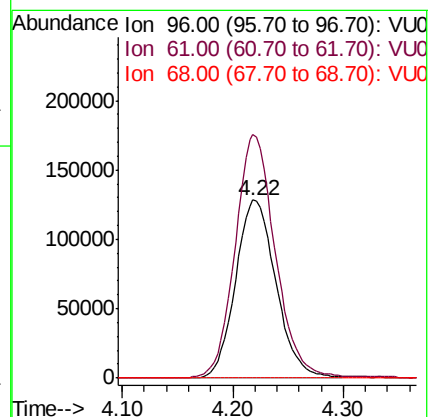
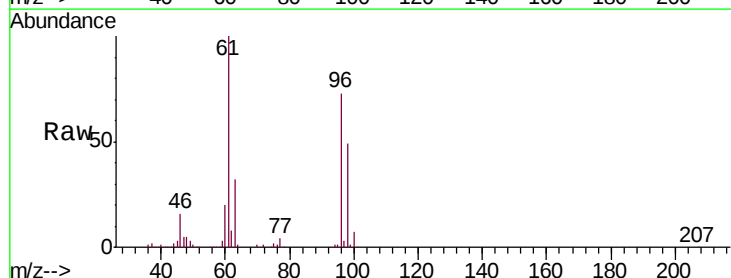
Tgt Ion: 96 Resp: 325821

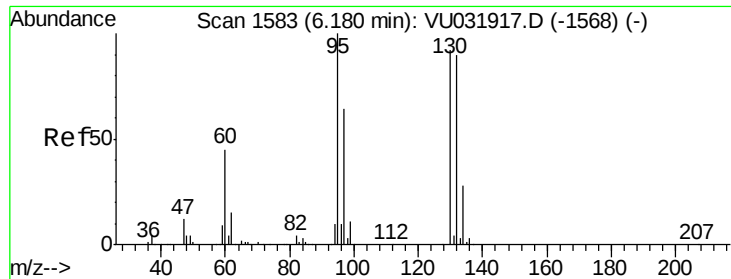
Ion Ratio Lower Upper

96 100

61 136.8 99.5 184.7

68 0.0 0.0 0.0

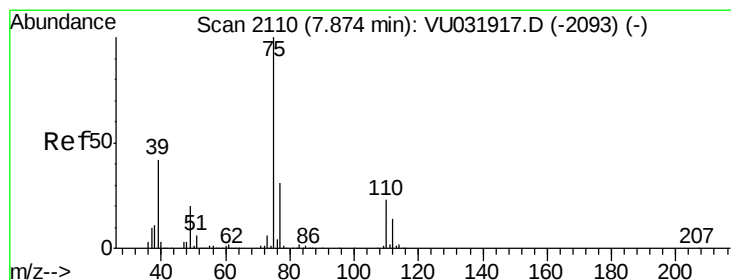
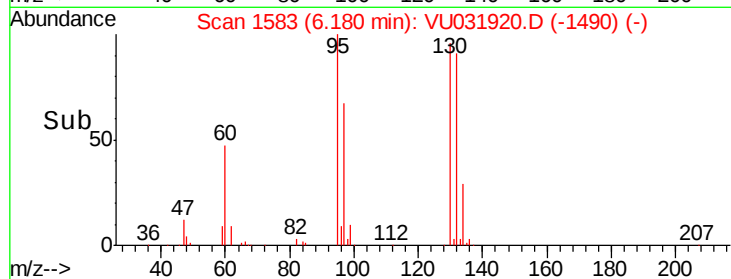
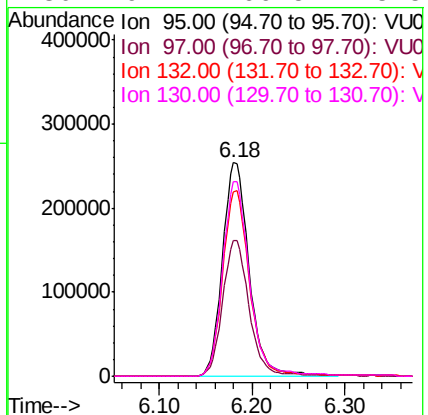
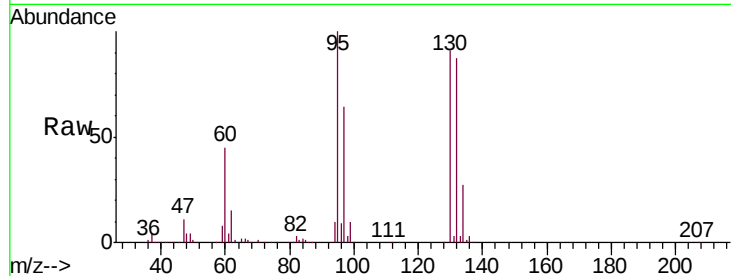




#34
 Trichloroethene
 Concen: 61.231 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031920.D
 Acq: 11 May 2019 10:54

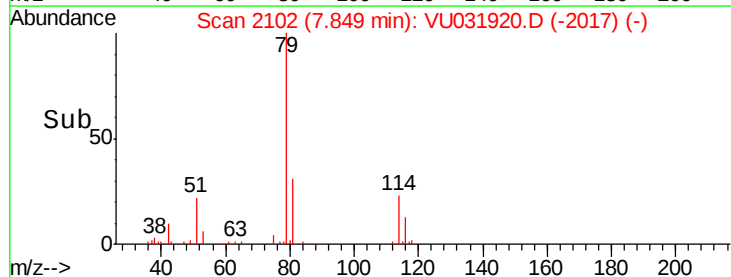
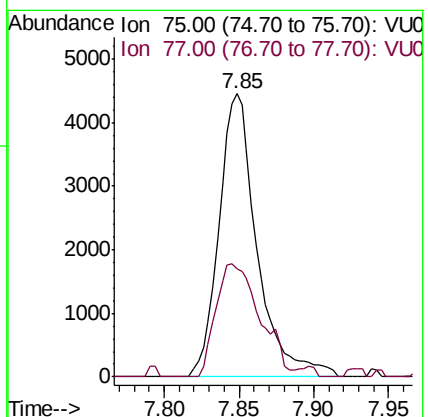
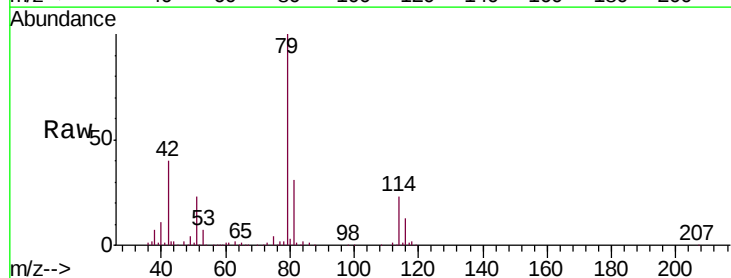
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B49

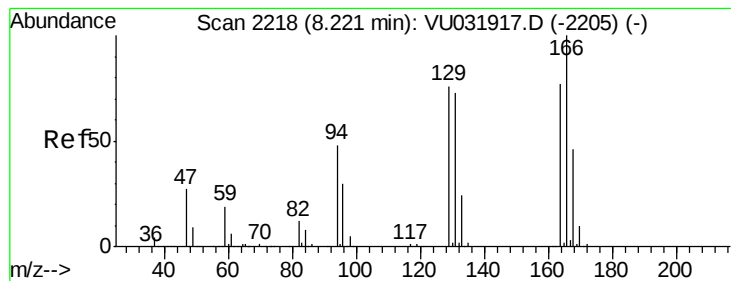
Tgt Ion:	95	Resp:	508178
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.8	83.2
132	86.6	63.1	117.1
130	91.1	66.5	123.5



#44
 trans-1,3-Dichloropropene
 Concen: 0.676 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU031920.D
 Acq: 11 May 2019 10:54

Tgt Ion:	75	Resp:	7877
Ion	Ratio	Lower	Upper
75	100		
77	38.1	22.1	41.1





#46

Tetrachloroethene

Concen: 2.484 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

C0B49

Tgt Ion:164 Resp: 14052

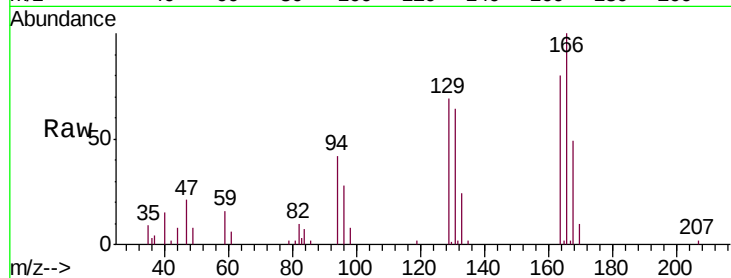
Ion Ratio Lower Upper

164 100

129 86.4 71.5 132.9

131 80.7 69.0 128.2

166 125.5 93.7 173.9

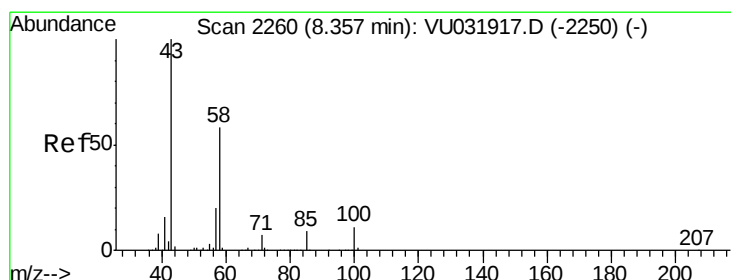
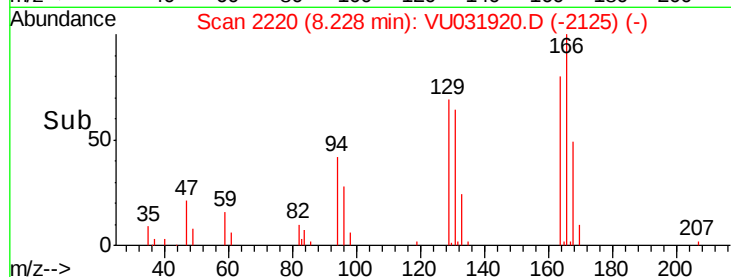
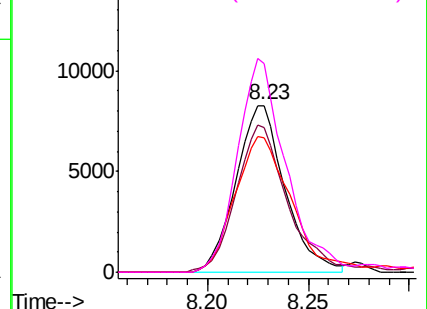


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 1.982 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031920.D

Acq: 11 May 2019 10:54

Tgt Ion: 43 Resp: 23967

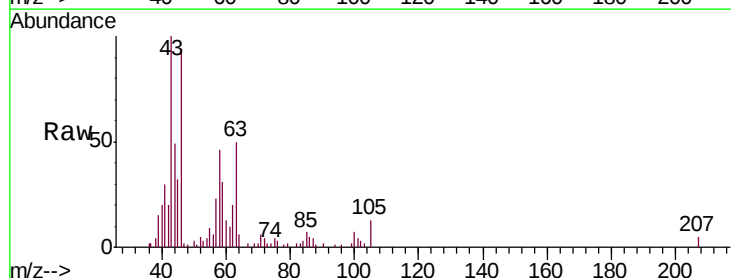
Ion Ratio Lower Upper

43 100

58 0.0 42.1 63.1#

57 2.5 14.6 22.0#

100 1.1 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

