

Data File : VU031739.D
Acq On : 03 May 2019 11:02
Operator : JC/SP
Sample : K2661-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B31

Quant Time: May 04 02:39:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 04 02:35:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	809343	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	784148	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	316207	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	377130	55.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.36%
7) Chloroethane-d5	1.68	69	294864	56.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.66%
11) 1,1-Dichloroethene-d2	2.50	63	186	0.01	ug/L	0.23
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.19	46	702899	114.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.53%
24) Chloroform-d	4.64	84	607301	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
26) 1,2-Dichloroethane-d4	5.31	65	408573	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
32) Benzene-d6	5.34	84	1256254	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.34%
36) 1,2-Dichloropropane-d6	6.32	67	430176	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	7.56	98	1069720	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%
43) trans-1,3-Dichloropropene-	7.85	79	177519	48.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.64%
47) 2-Hexanone-d5	8.31	63	438491	119.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.59%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	561294	49.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	346241	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%

Target Compounds

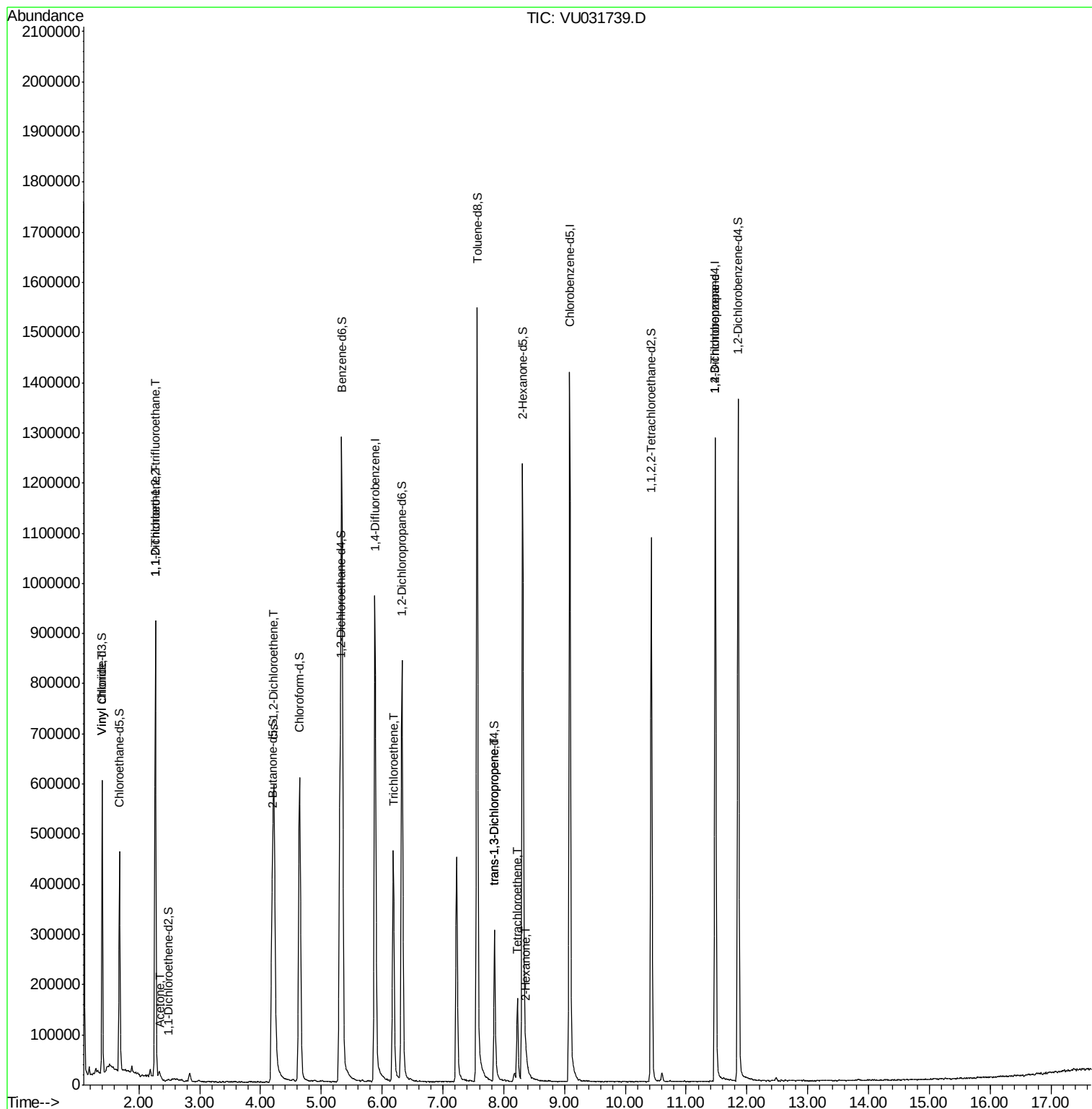
					Qvalue
5) Vinyl chloride	1.40	62	26699	2.652 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4628	0.713 ug/L #	24
12) 1,1-Dichloroethene	2.27	96	4246	0.672 ug/L #	1
13) Acetone	2.35	43	15763	2.280 ug/L	77
20) cis-1,2-Dichloroethene	4.22	96	232038	32.876 ug/L	91
34) Trichloroethene	6.18	95	171333	24.516 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	7134	0.727 ug/L	94
46) Tetrachloroethene	8.22	164	38148	8.007 ug/L	98
48) 2-Hexanone	8.37	43	11871	1.166 ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	42181	4.347 ug/L	89

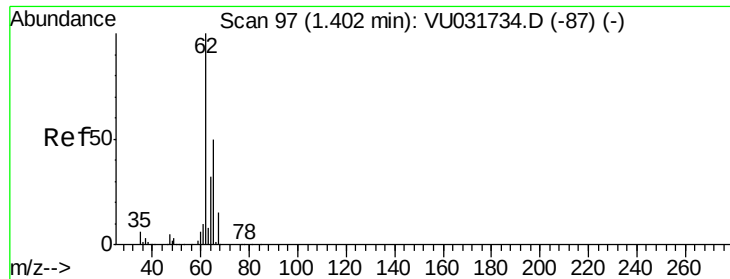
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.652 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031739.D

Acq: 03 May 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

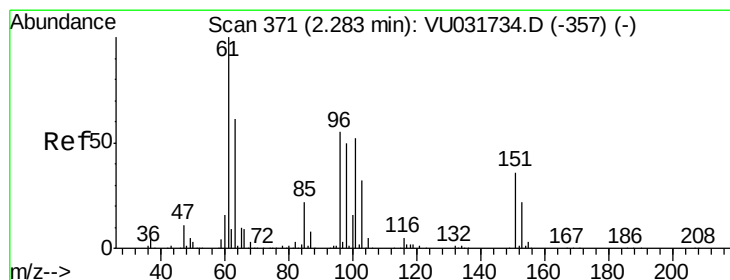
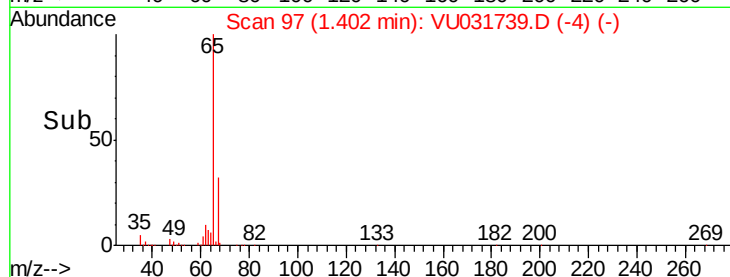
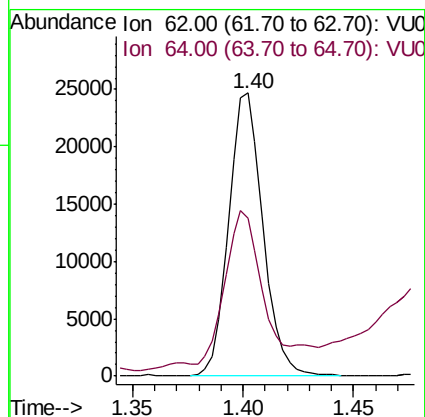
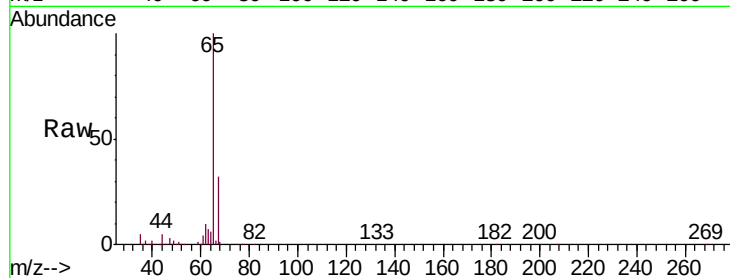
C0B31

Tgt Ion: 62 Resp: 26699

Ion Ratio Lower Upper

62 100

64 55.8 23.1 42.9#



#10

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

Concen: 0.713 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031739.D

Acq: 03 May 2019 11:02

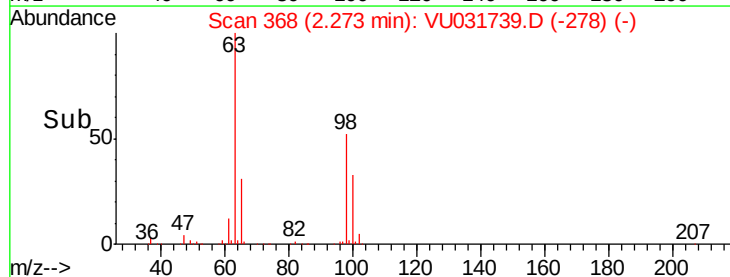
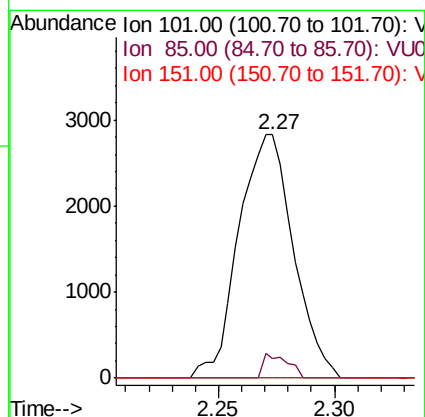
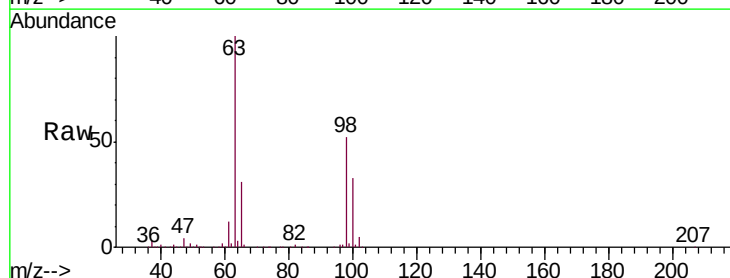
Tgt Ion: 101 Resp: 4628

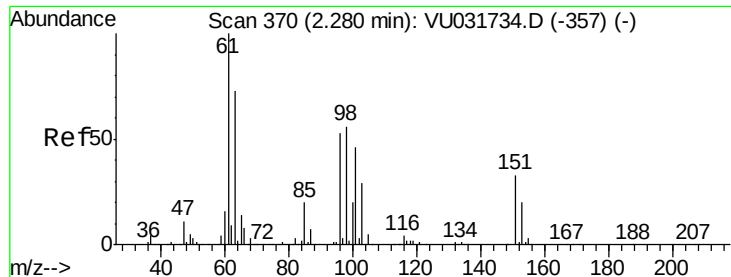
Ion Ratio Lower Upper

101 100

85 4.5 36.1 54.1#

151 0.0 56.1 84.1#

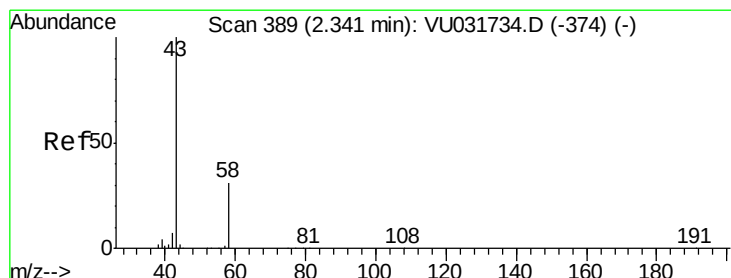
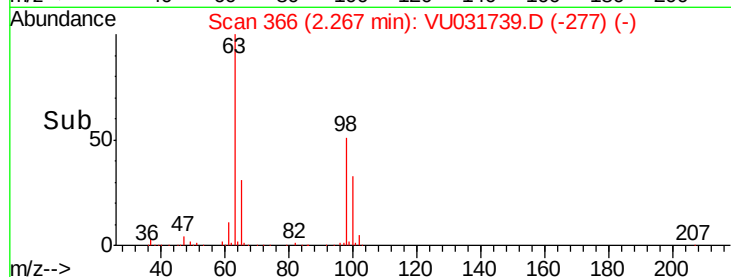
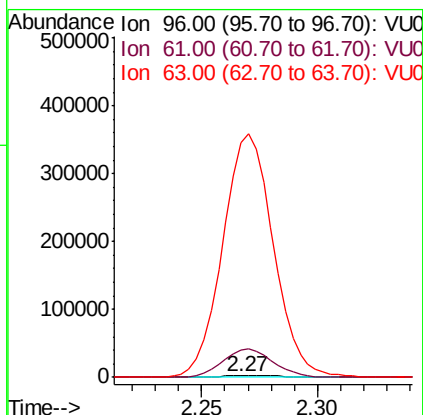
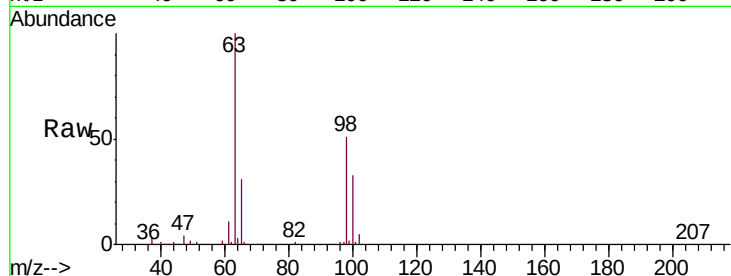




#12
 1,1-Dichloroethene
 Concen: 0.672 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

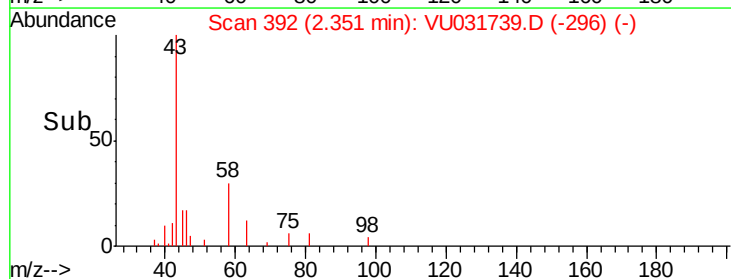
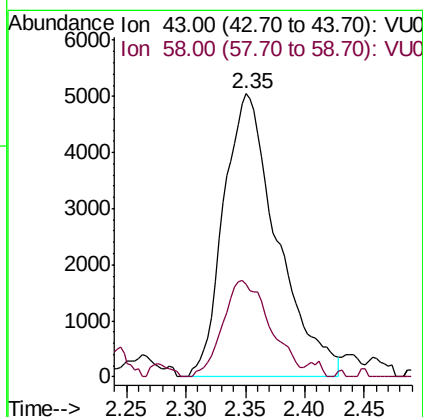
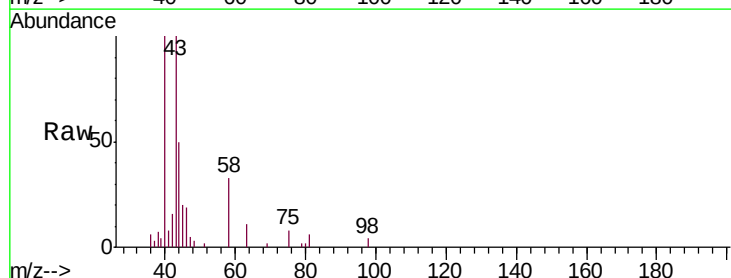
Instrument :
 MSVOA_U
 ClientSampleID :
 C0B31

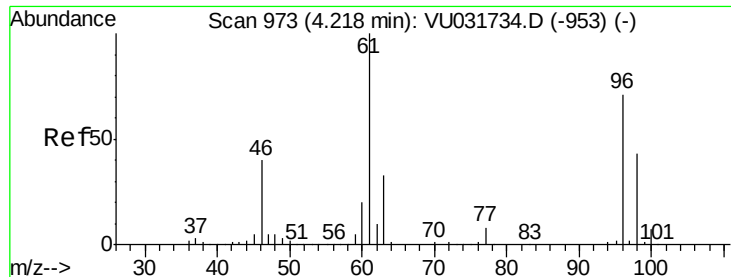
Tgt Ion: 96 Resp: 4246
 Ion Ratio Lower Upper
 96 100
 61 1724.7 135.0 250.6#
 63 15106.1 103.5 192.3#



#13
 Acetone
 Concen: 2.280 ug/L
 RT: 2.35 min Scan# 392
 Delta R.T. 0.01 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

Tgt Ion: 43 Resp: 15763
 Ion Ratio Lower Upper
 43 100
 58 19.1 0.0 64.4

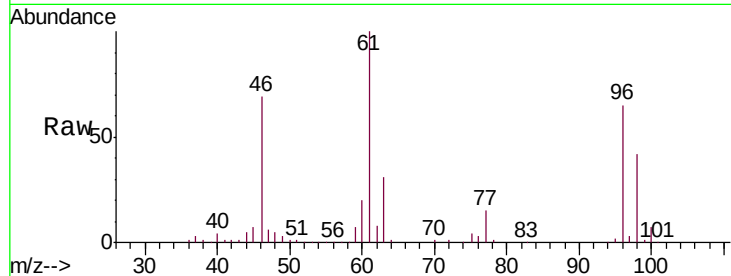




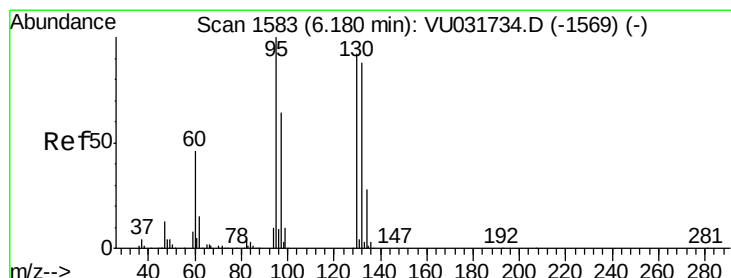
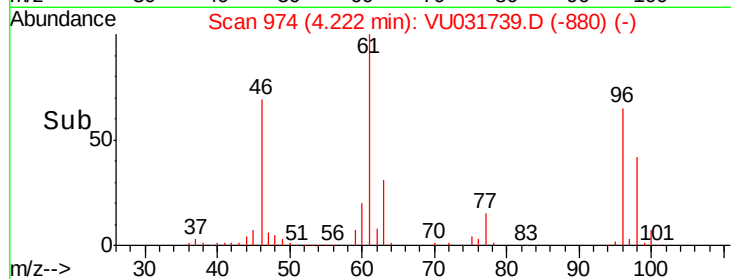
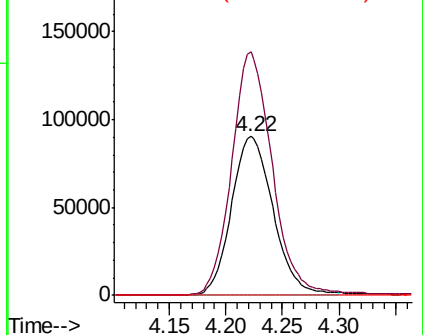
#20
 cis-1,2-Dichloroethene
 Concen: 32.876 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B31

Tgt Ion: 96 Resp: 232038
 Ion Ratio Lower Upper
 96 100
 61 153.2 99.5 184.7
 68 0.0 0.0 0.0

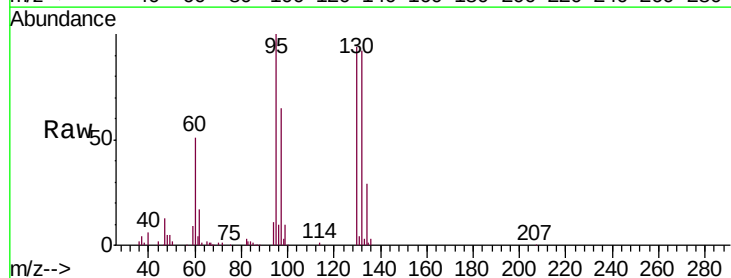


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

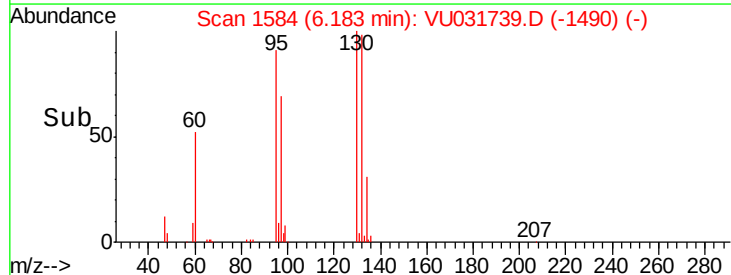
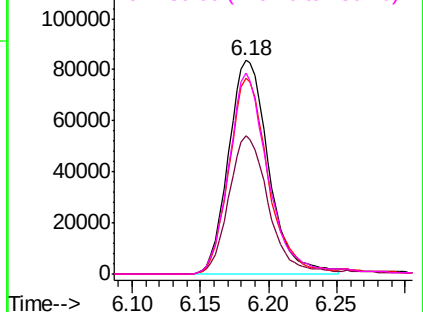


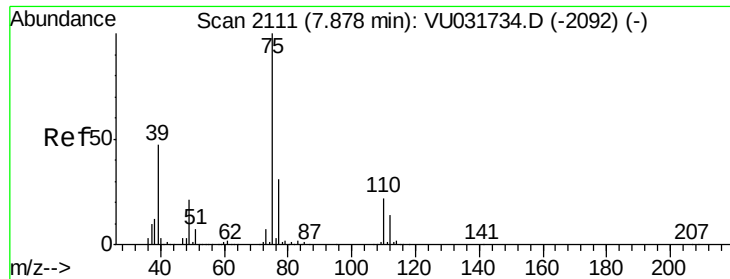
#34
 Trichloroethene
 Concen: 24.516 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

Tgt Ion: 95 Resp: 171333
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.8 83.2
 132 91.8 63.1 117.1
 130 93.9 66.5 123.5



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





#44

trans-1,3-Dichloropropene

Concen: 0.727 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031739.D

Acq: 03 May 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

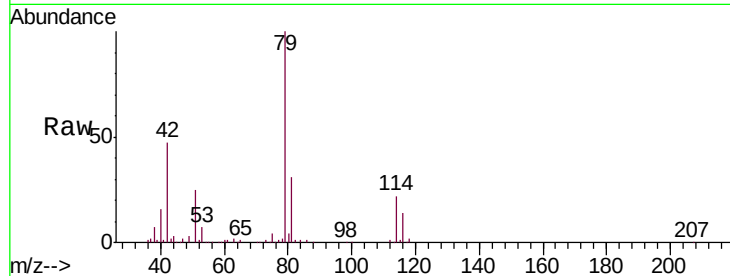
C0B31

Tgt Ion: 75 Resp: 7134

Ion Ratio Lower Upper

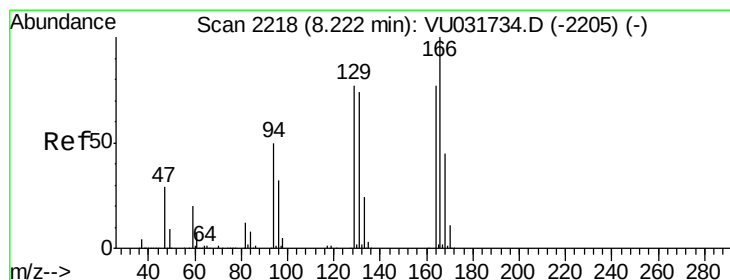
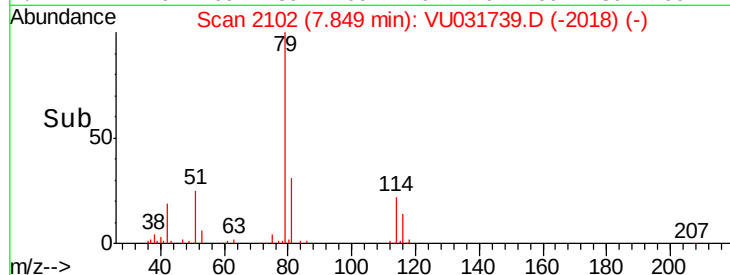
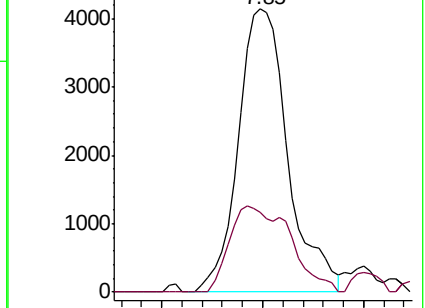
75 100

77 28.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031739.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU031739.D (-2102) (-)



#46

Tetrachloroethene

Concen: 8.007 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031739.D

Acq: 03 May 2019 11:02

Tgt Ion: 164 Resp: 38148

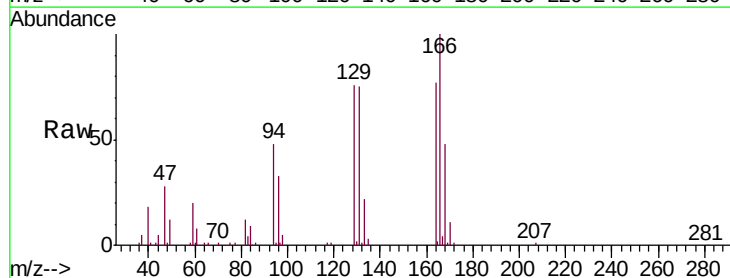
Ion Ratio Lower Upper

164 100

129 99.6 71.5 132.9

131 97.2 69.0 128.2

166 130.4 93.7 173.9

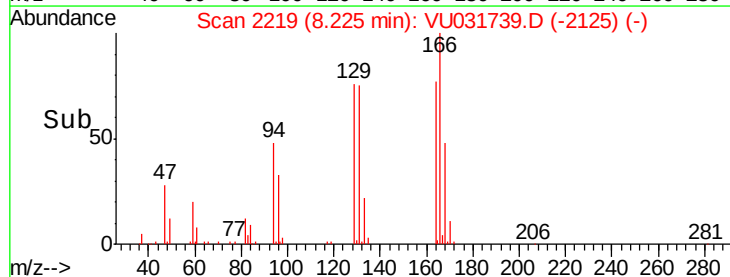
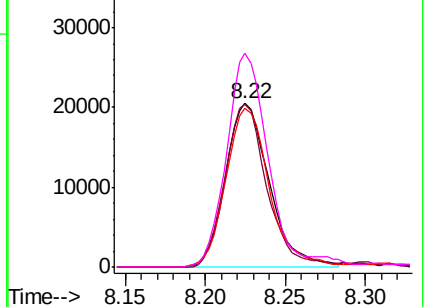


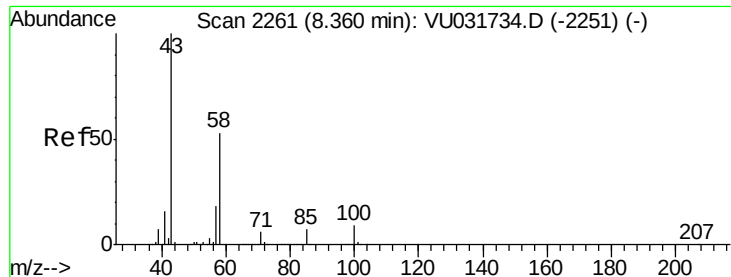
Abundance Ion 164.00 (163.70 to 164.70): VU031739.D (-2219) (-)

Ion 129.00 (128.70 to 129.70): VU031739.D (-2219) (-)

Ion 131.00 (130.70 to 131.70): VU031739.D (-2219) (-)

Ion 166.00 (165.70 to 166.70): VU031739.D (-2219) (-)

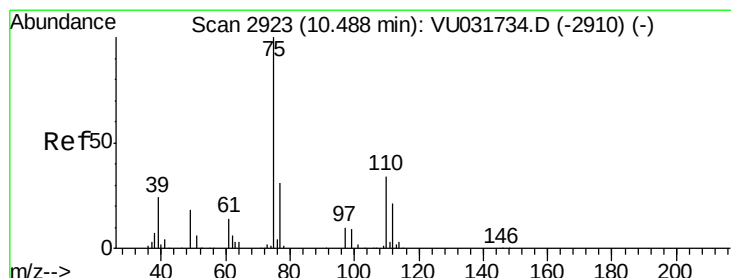
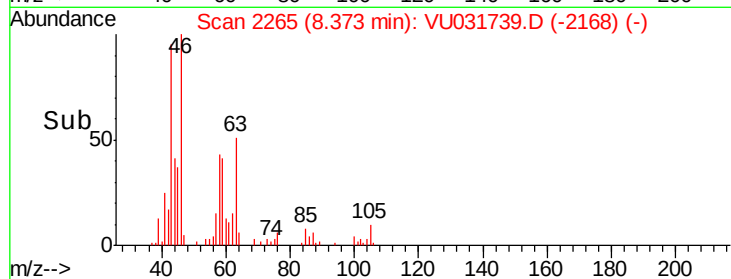
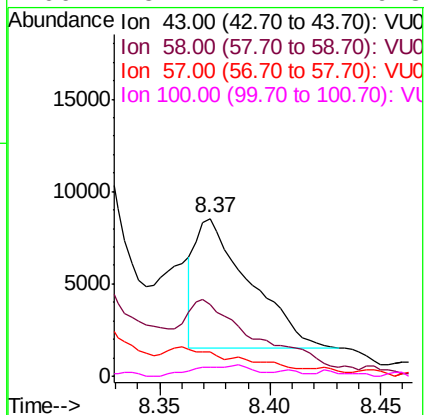
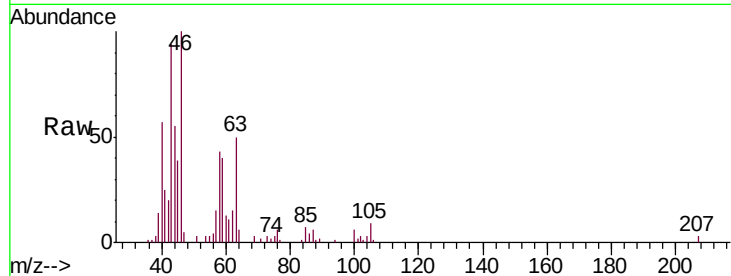




#48
 2-Hexanone
 Concen: 1.166 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B31

Tgt Ion: 43 Resp: 11871
 Ion Ratio Lower Upper
 43 100
 58 82.9 42.1 63.1#
 57 4.1 14.6 22.0#
 100 5.2 7.2 10.8#



#59
 1,2,3-Trichloropropane
 Concen: 4.347 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031739.D
 Acq: 03 May 2019 11:02

Tgt Ion: 75 Resp: 42181
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.9 38.9

