

Data File : VU031740.D
Acq On : 03 May 2019 11:25
Operator : JC/SP
Sample : K2661-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B33

Quant Time: May 04 02:39:08 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	835577	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	775997	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	311036	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	369250	52.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.60%
7) Chloroethane-d5	1.68	69	285563	52.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.68%
11) 1,1-Dichloroethene-d2	2.27	63	527278	37.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.72%
21) 2-Butanone-d5	4.18	46	660416	104.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.23%
24) Chloroform-d	4.64	84	584383	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.31	65	404022	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.34	84	1231288	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.34%
36) 1,2-Dichloropropane-d6	6.33	67	425564	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.56	98	1038101	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	7.85	79	176368	49.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.02%
47) 2-Hexanone-d5	8.31	63	412517	113.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	535858	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	334493	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%

Target Compounds

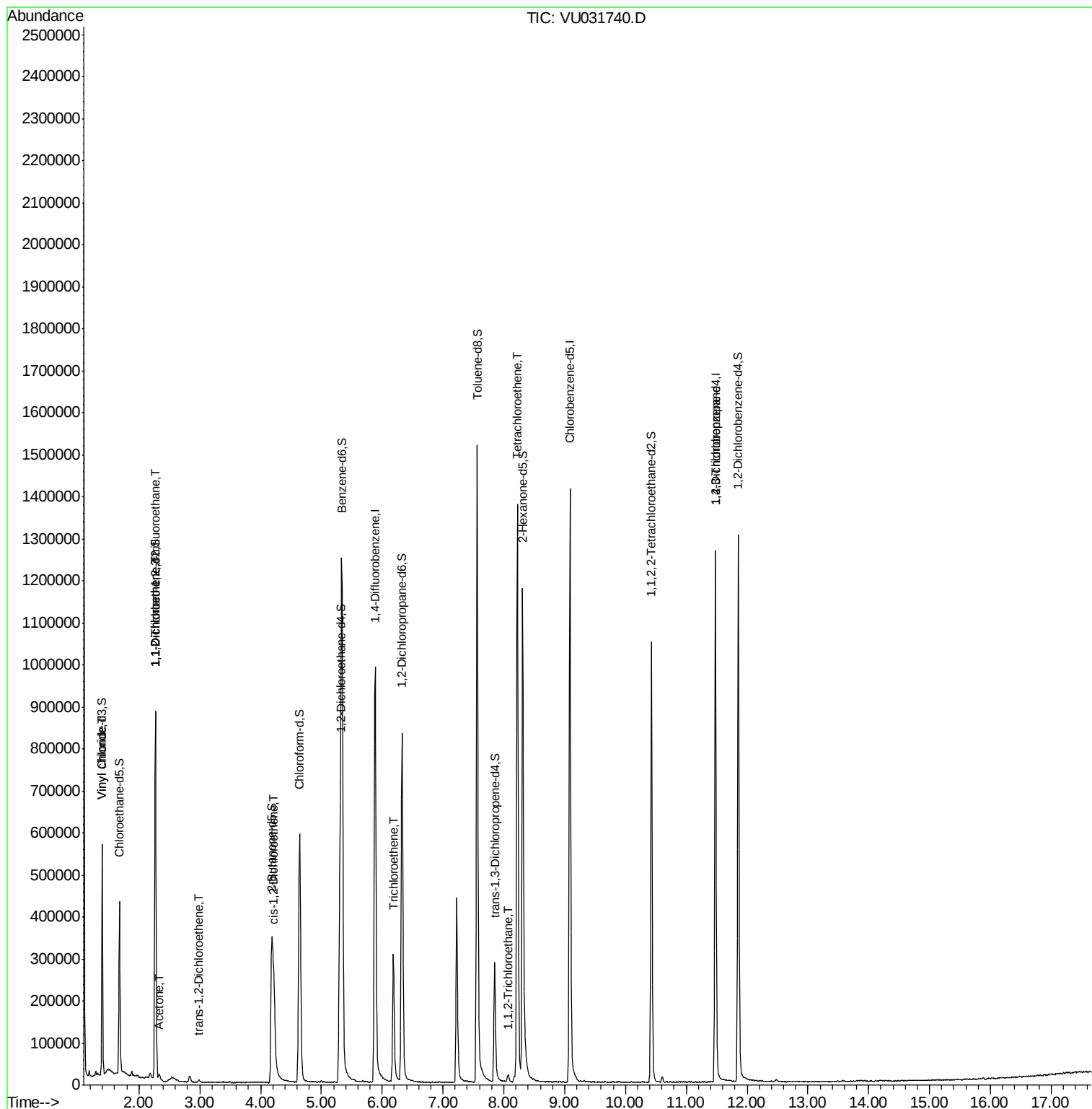
						Qvalue
5) Vinyl chloride	1.40	62	6843	0.658	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4312	0.644	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	3831	0.588	ug/L #	1
13) Acetone	2.34	43	12173	1.706	ug/L	86
17) trans-1,2-Dichloroethene	2.99	96	2534	0.373	ug/L #	73
20) cis-1,2-Dichloroethene	4.23	96	74461	10.219	ug/L	97
34) Trichloroethene	6.18	95	113608	16.427	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	2829	0.424	ug/L	92
46) Tetrachloroethene	8.22	164	307455	65.211	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	41866	4.360	ug/L	92

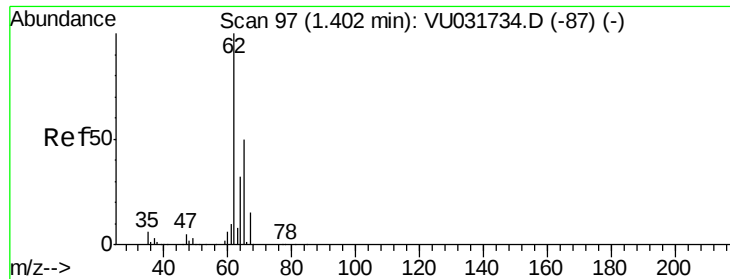
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.658 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

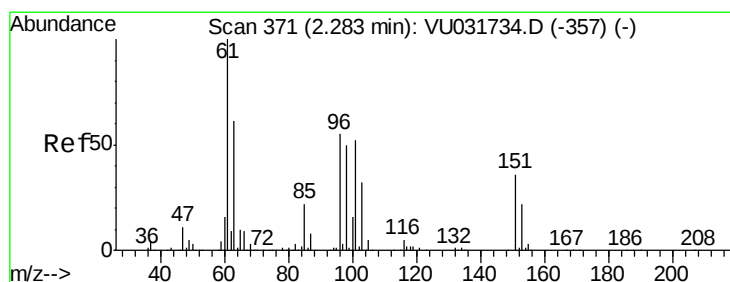
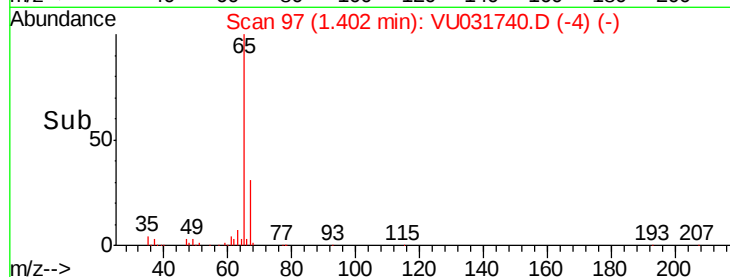
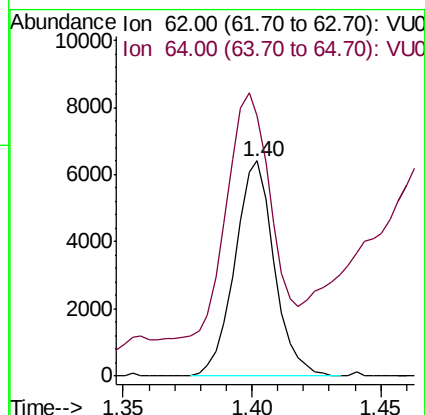
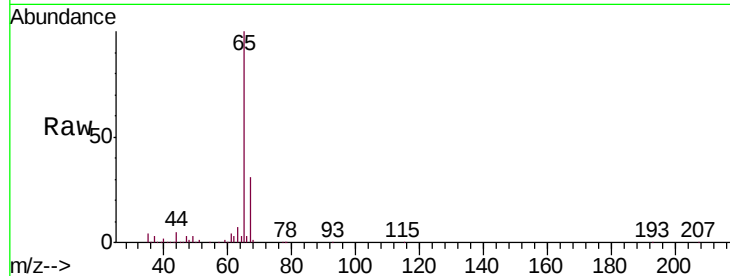
C0B33

Tgt Ion: 62 Resp: 6843

Ion Ratio Lower Upper

62 100

64 121.0 23.1 42.9#



#10

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

Concen: 0.644 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

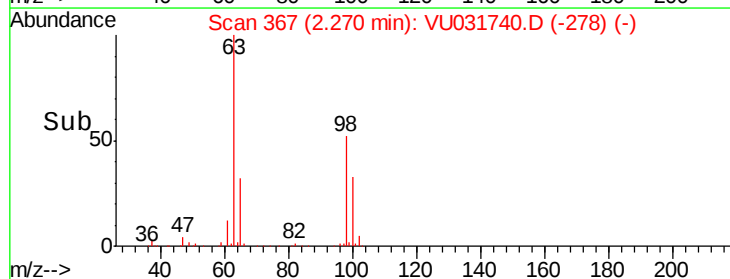
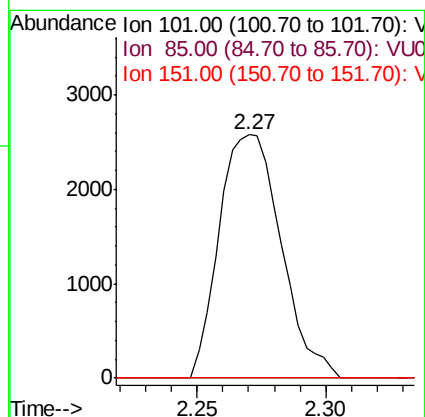
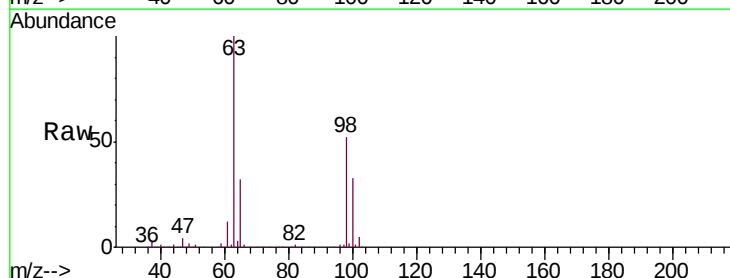
Tgt Ion: 101 Resp: 4312

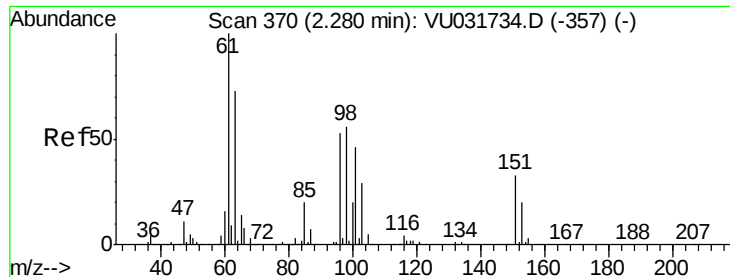
Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.588 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0B33

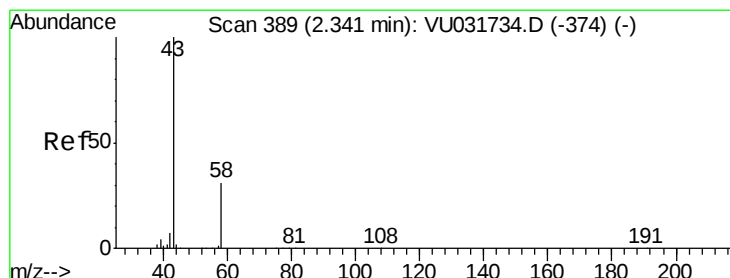
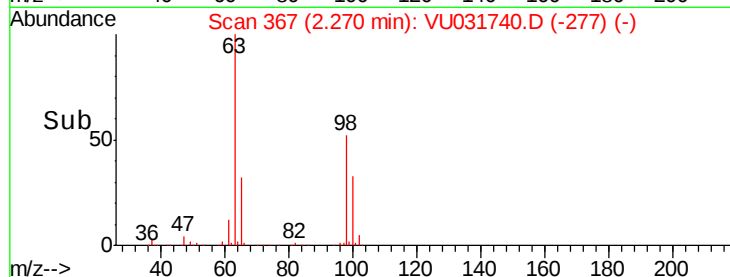
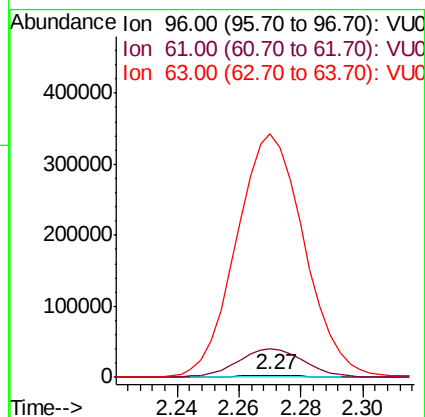
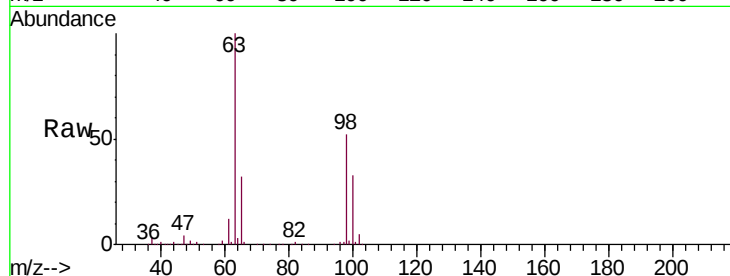
Tgt Ion: 96 Resp: 3831

Ion Ratio Lower Upper

96 100

61 1515.1 135.0 250.6#

63 13080.9 103.5 192.3#



#13

Acetone

Concen: 1.706 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU031740.D

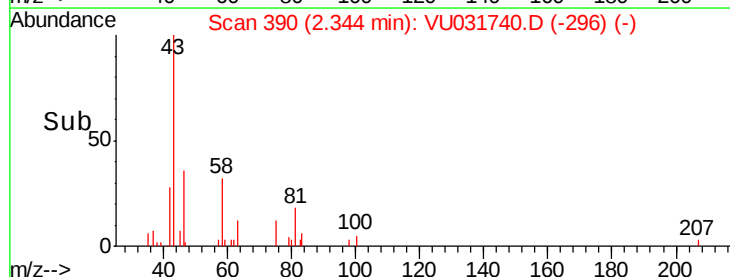
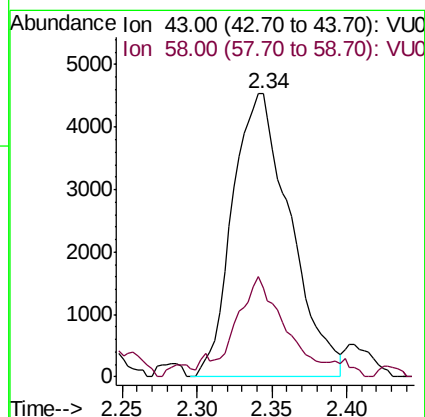
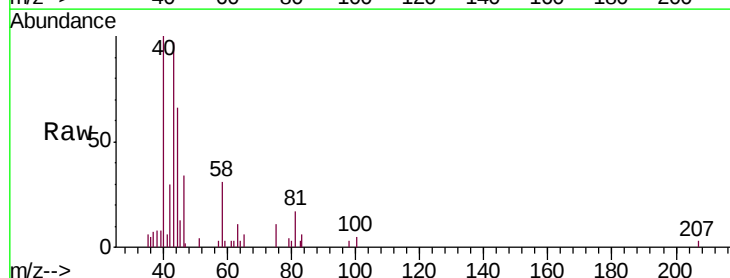
Acq: 03 May 2019 11:25

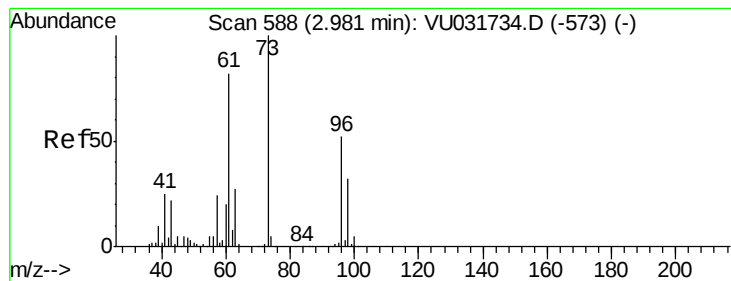
Tgt Ion: 43 Resp: 12173

Ion Ratio Lower Upper

43 100

58 24.6 0.0 64.4





#17

trans-1,2-Dichloroethene

Concen: 0.373 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0B33

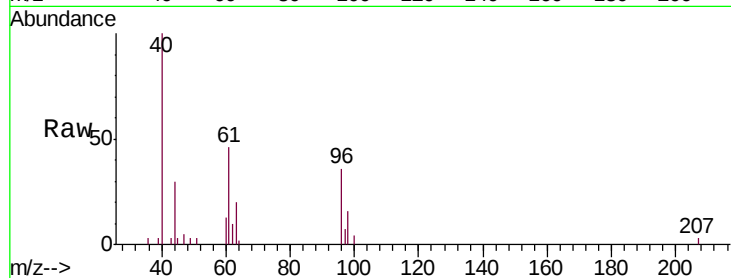
Tgt Ion: 96 Resp: 2534

Ion Ratio Lower Upper

96 100

61 128.2 114.5 212.7

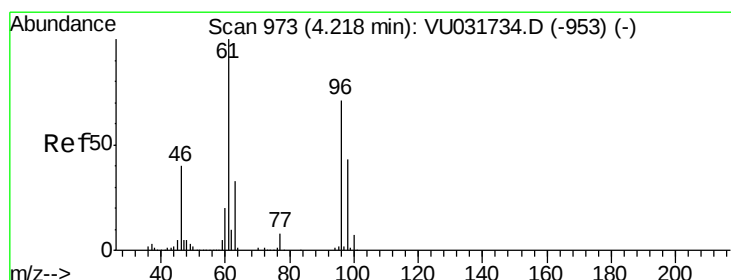
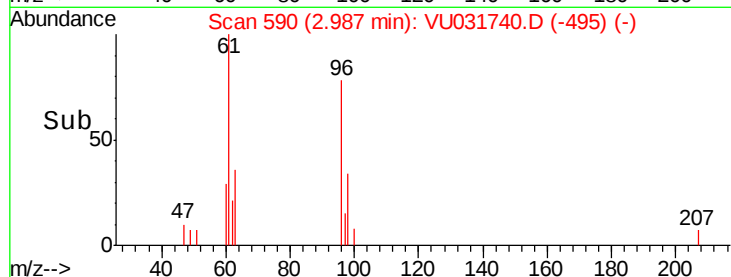
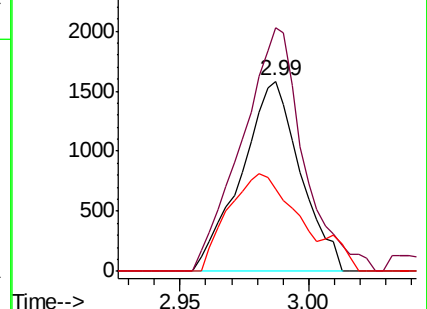
98 43.4 45.4 84.2#



Abundance Ion 96.00 (95.70 to 96.70): VU031740.D (-590) (-)

Ion 61.00 (60.70 to 61.70): VU031740.D (-590) (-)

Ion 98.00 (97.70 to 98.70): VU031740.D (-590) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.219 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

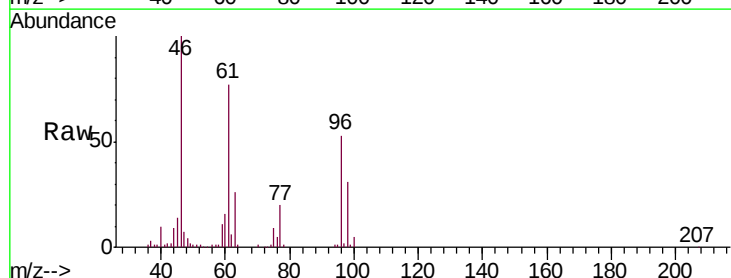
Tgt Ion: 96 Resp: 74461

Ion Ratio Lower Upper

96 100

61 145.3 99.5 184.7

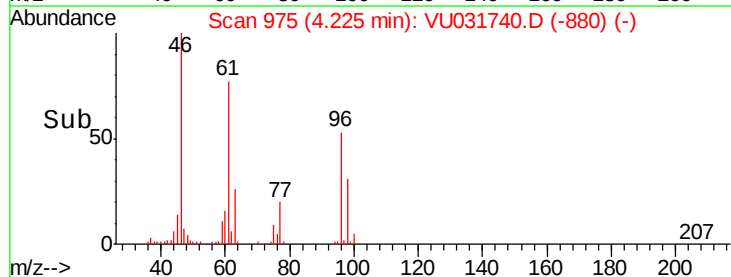
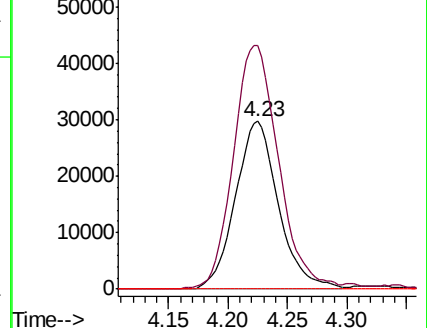
68 0.0 0.0 0.0

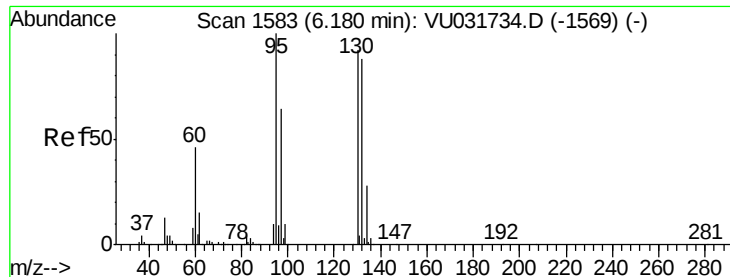


Abundance Ion 96.00 (95.70 to 96.70): VU031740.D (-975) (-)

Ion 61.00 (60.70 to 61.70): VU031740.D (-975) (-)

Ion 68.00 (67.70 to 68.70): VU031740.D (-975) (-)





#34

Trichloroethene

Concen: 16.427 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0B33

Tgt Ion: 95 Resp: 113608

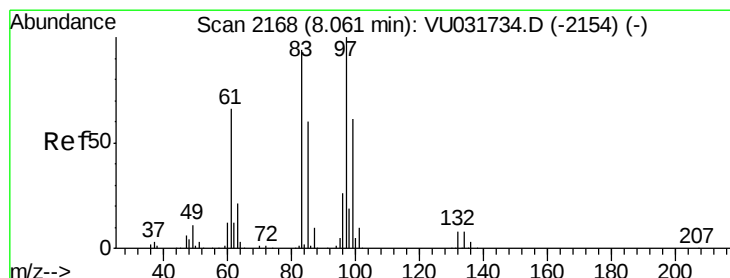
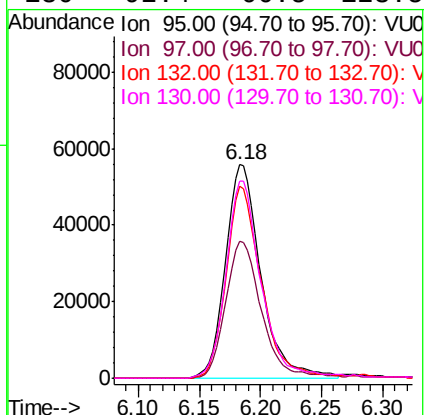
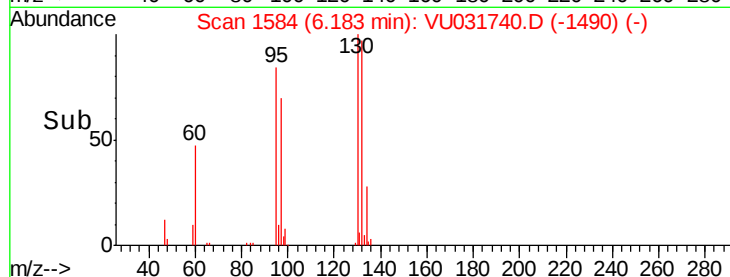
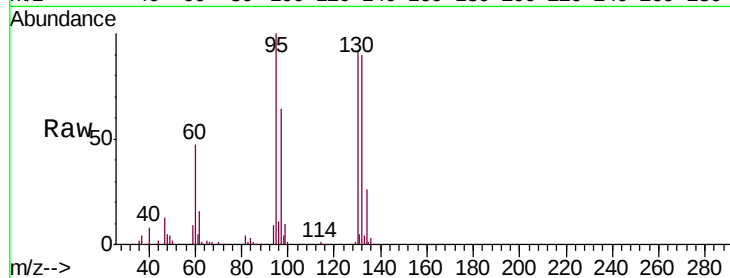
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 89.9 63.1 117.1

130 92.4 66.5 123.5



#45

1,1,2-Trichloroethane

Concen: 0.424 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Tgt Ion: 97 Resp: 2829

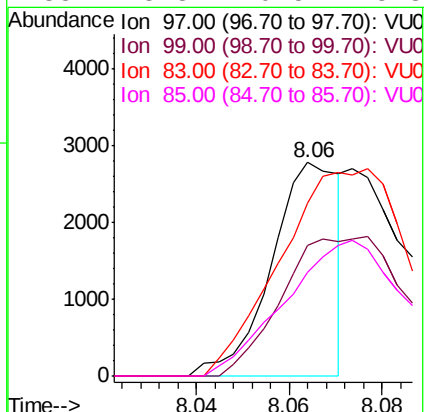
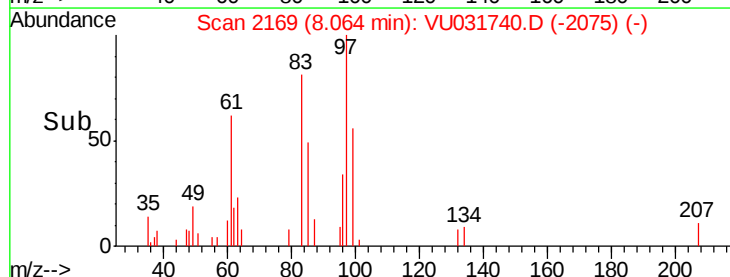
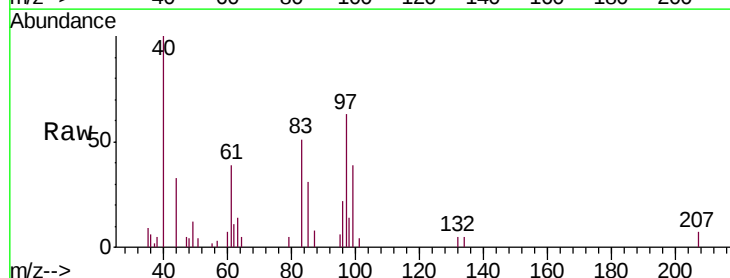
Ion Ratio Lower Upper

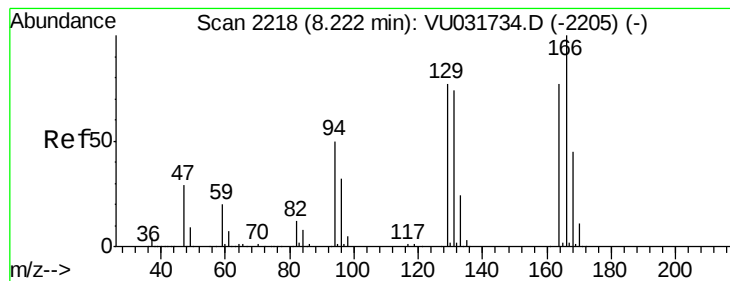
97 100

99 61.4 43.0 80.0

83 80.7 63.6 118.2

85 48.8 40.5 75.3





#46

Tetrachloroethene

Concen: 65.211 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031740.D

Acq: 03 May 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

C0B33

Tgt Ion:164 Resp: 307455

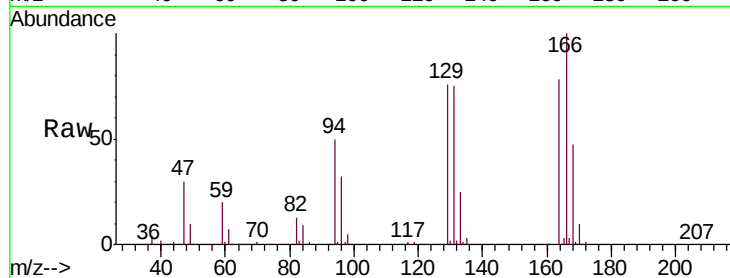
Ion Ratio Lower Upper

164 100

129 97.4 71.5 132.9

131 96.5 69.0 128.2

166 128.1 93.7 173.9

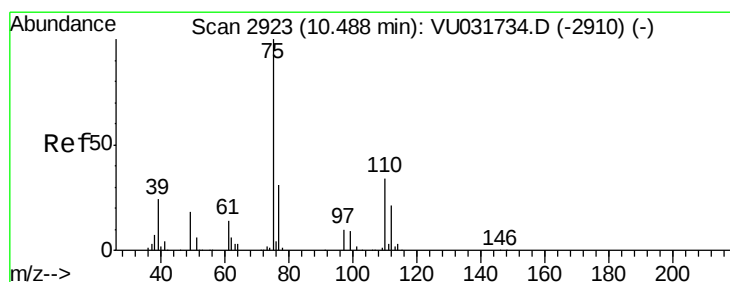
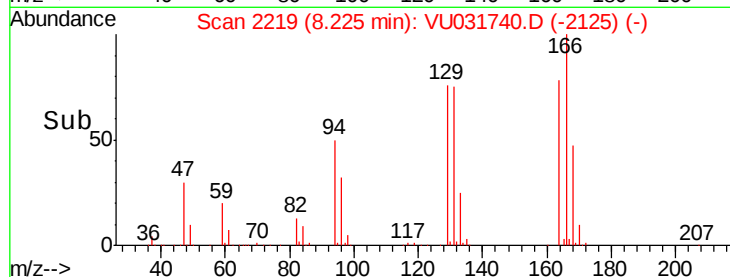
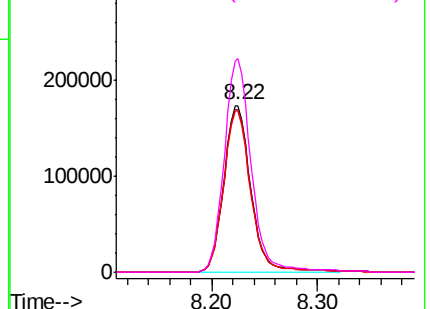


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.360 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031740.D

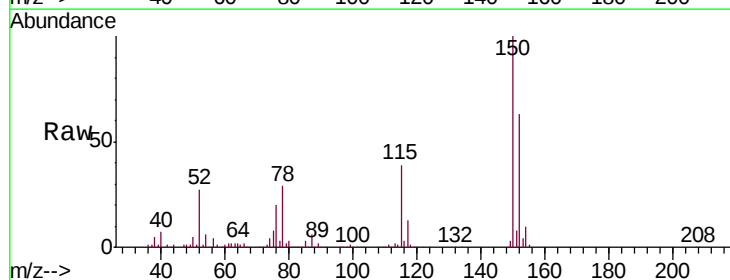
Acq: 03 May 2019 11:25

Tgt Ion: 75 Resp: 41866

Ion Ratio Lower Upper

75 100

77 36.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

