

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030742.D
 Acq On : 05 Apr 2019 14:44
 Operator : JC/SP
 Sample : K2276-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B9

Quant Time: Apr 05 23:47:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	459588	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	451491	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194513	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	200714	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.84%
7) Chloroethane-d5	1.68	69	159032	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.14%
11) 1,1-Dichloroethene-d2	2.27	63	278591	37.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.08%
21) 2-Butanone-d5	4.17	46	345129	106.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	4.64	84	303061	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	5.31	65	221997	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
32) Benzene-d6	5.34	84	648342	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
36) 1,2-Dichloropropane-d6	6.32	67	223456	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.94%
41) Toluene-d8	7.56	98	570212	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	7.85	79	97124	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
47) 2-Hexanone-d5	8.31	63	213746	103.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303288	49.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	195412	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

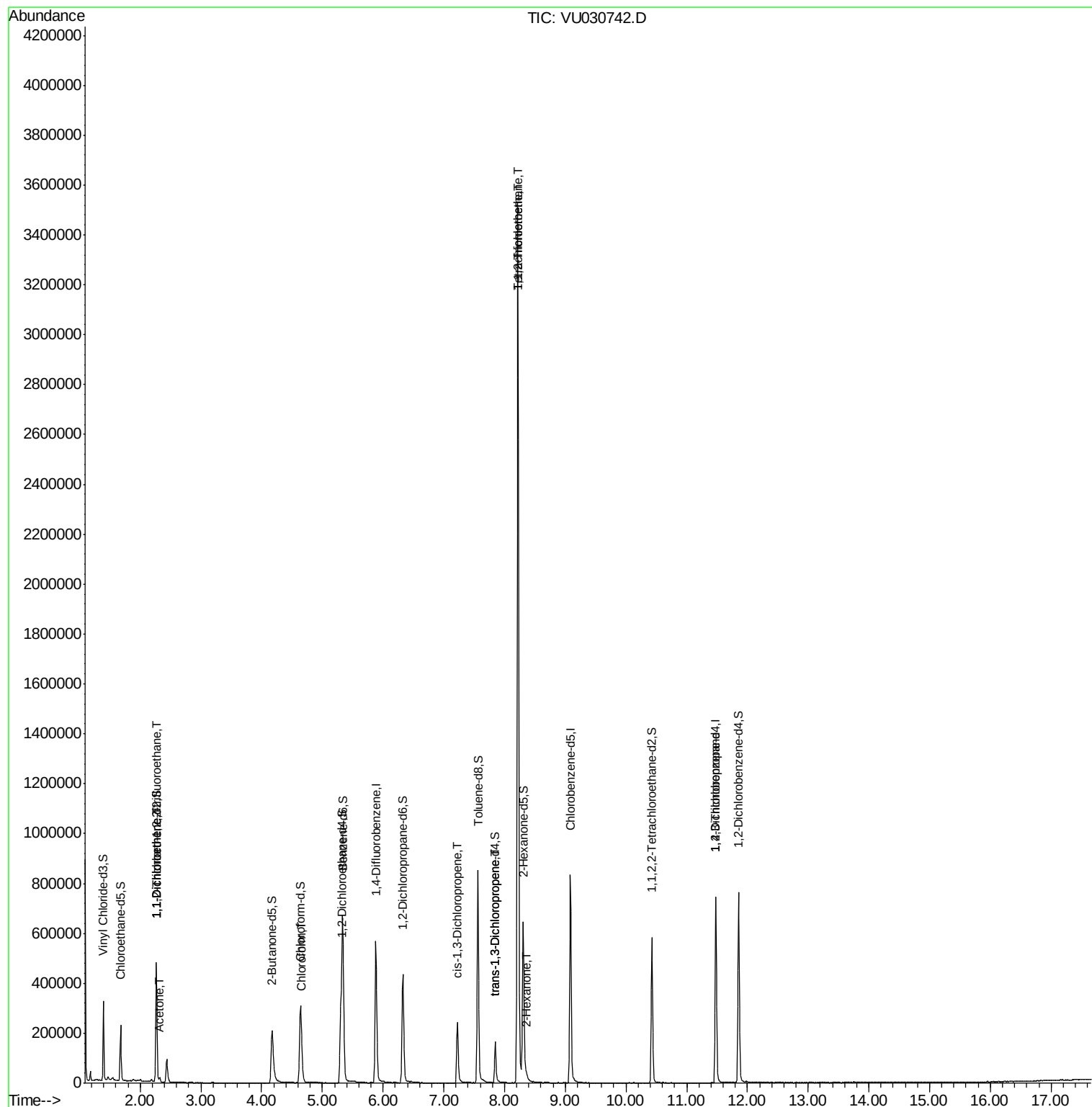
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3035	0.922	ug/L #	35
12) 1,1-Dichloroethene	2.27	96	2278	0.717	ug/L #	1
13) Acetone	2.32	43	18808	5.653	ug/L	96
25) Chloroform	4.67	83	31000	4.431	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	5588	0.938	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	4025	0.767	ug/L	91
45) 1,1,2-Trichloroethane	8.22	97	7377	2.079	ug/L #	1
46) Tetrachloroethene	8.22	164	767101	291.166	ug/L	98
48) 2-Hexanone	8.37	43	5454	1.039	ug/L #	48
59) 1,2,3-Trichloropropane	11.48	75	25582	5.106	ug/L	96

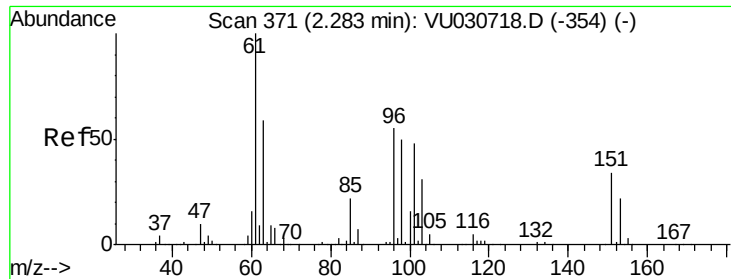
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 05 23:39:17 2019
Response via : Initial Calibration





#10

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

Concen: 0.922 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030742.D

Acq: 05 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

BF1B9

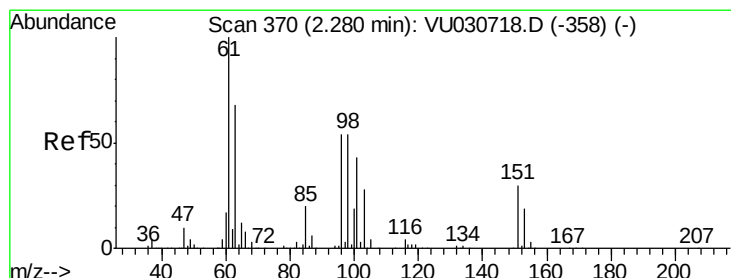
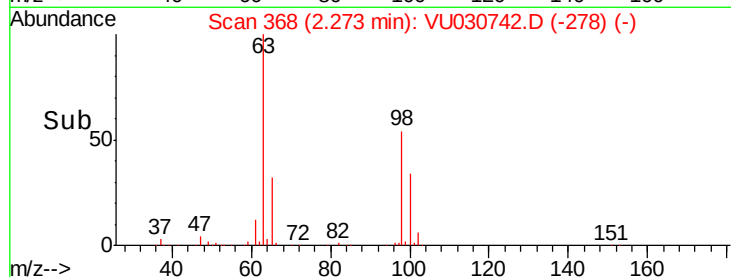
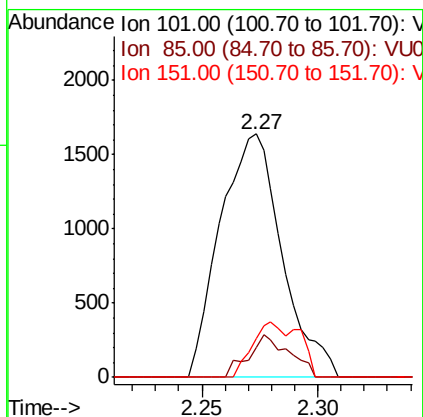
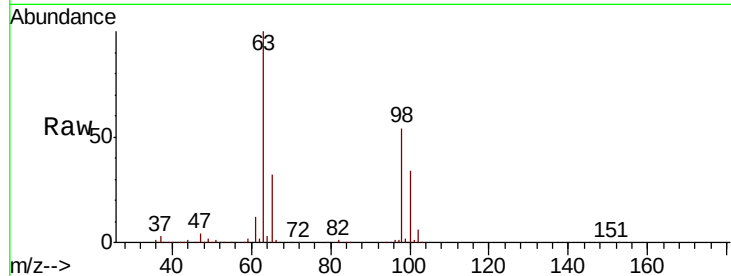
Tot Ion:101 Resp: 3035

Ion Ratio Lower Upper

101 100

85 10.1 36.8 55.2#

151 11.8 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.717 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030742.D

Acq: 05 Apr 2019 14:44

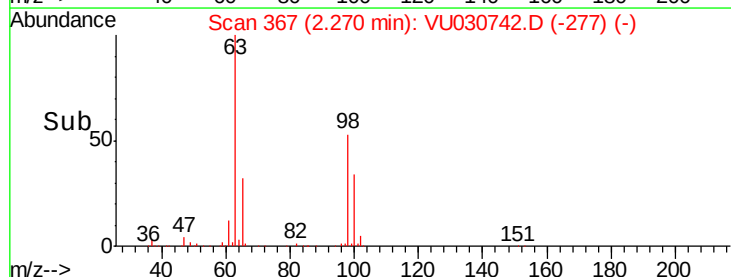
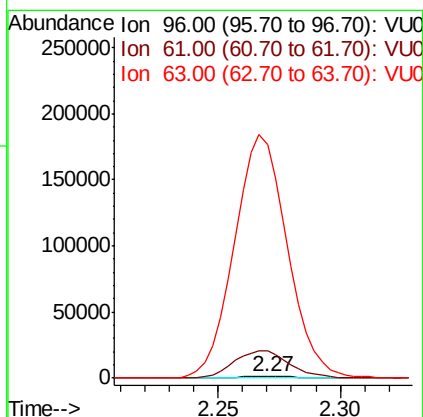
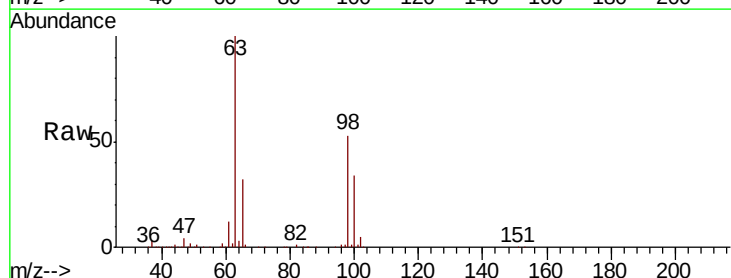
Tgt Ion: 96 Resp: 2278

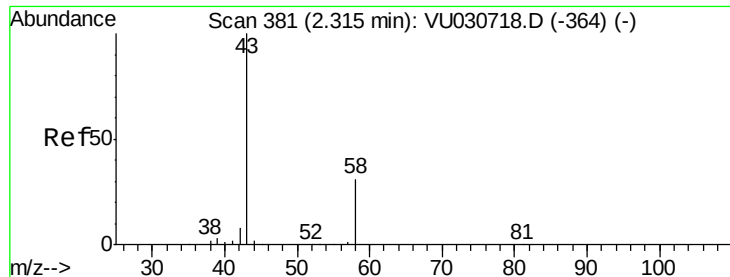
Ion Ratio Lower Upper

96 100

61 1639.5 132.0 245.2#

63 14080.0 90.9 168.9#





#13

Acetone

Concen: 5.653 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030742.D

Acq: 05 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

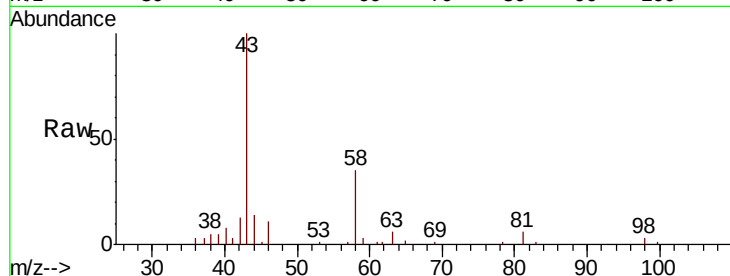
BF1B9

Tot Ion: 43 Resp: 18808

Ion Ratio Lower Upper

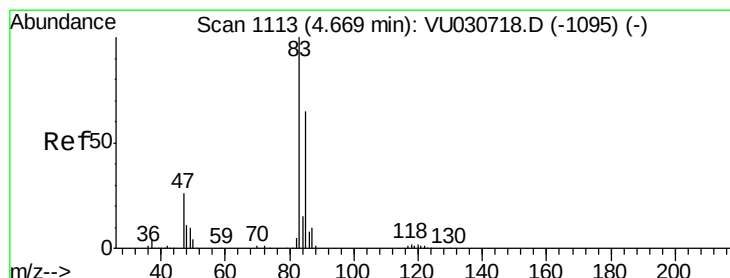
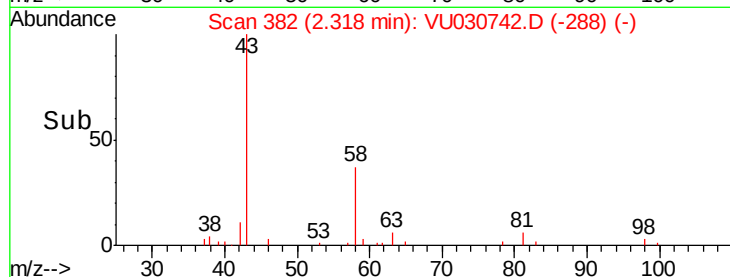
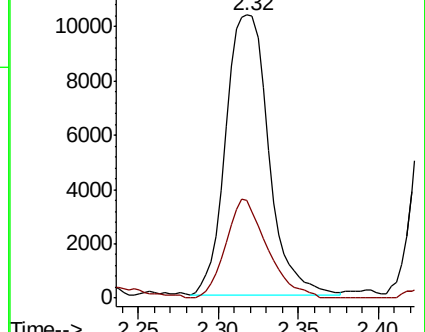
43 100

58 34.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-364) (-)



#25

Chloroform

Concen: 4.431 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030742.D

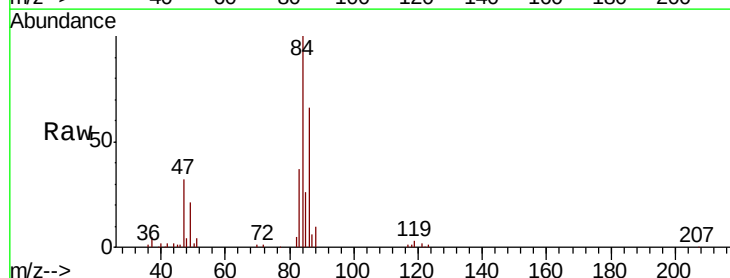
Acq: 05 Apr 2019 14:44

Tgt Ion: 83 Resp: 31000

Ion Ratio Lower Upper

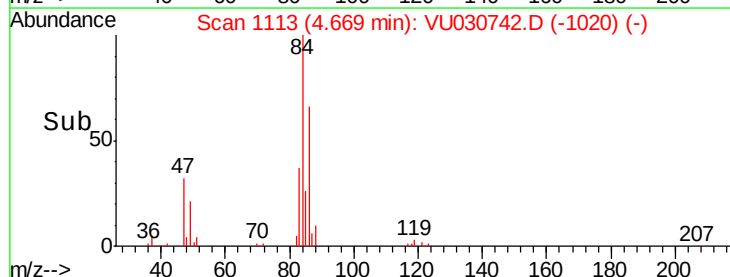
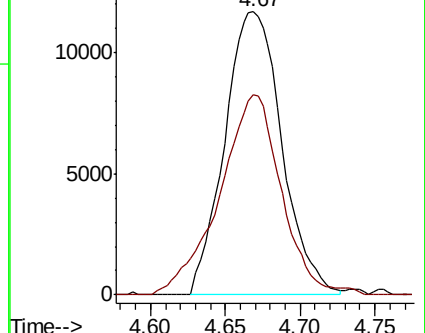
83 100

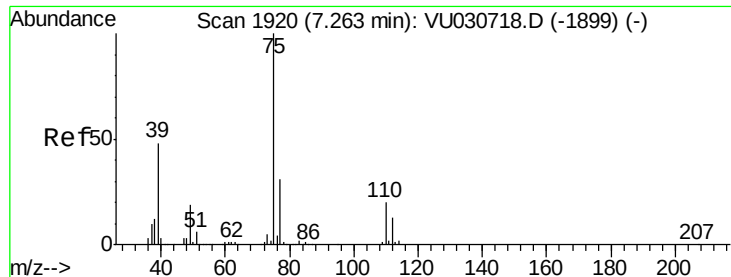
85 70.6 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030718.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030718.D (-1095) (-)



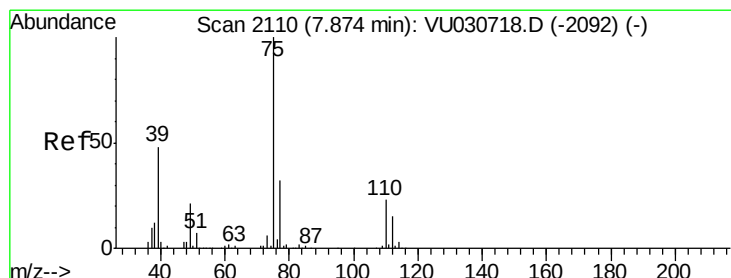
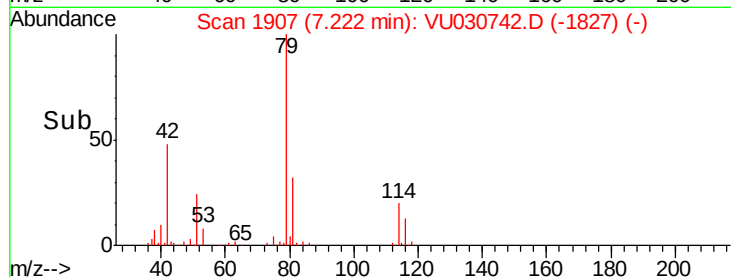
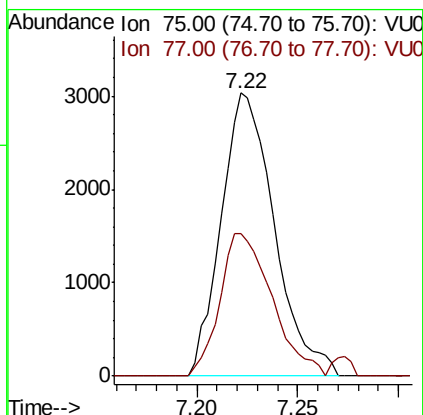
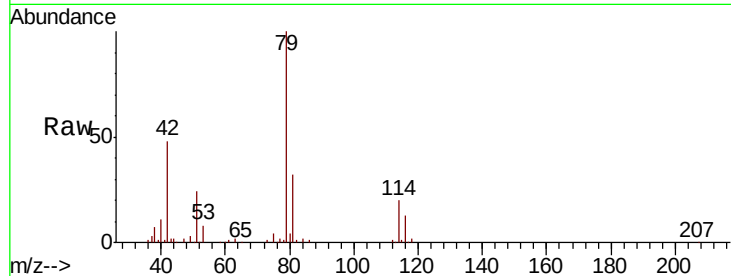


#39

cis-1,3-Dichloropropene
 Concen: 0.938 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU030742.D
 Acq: 05 Apr 2019 14:44

Instrument :
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 BF1B9

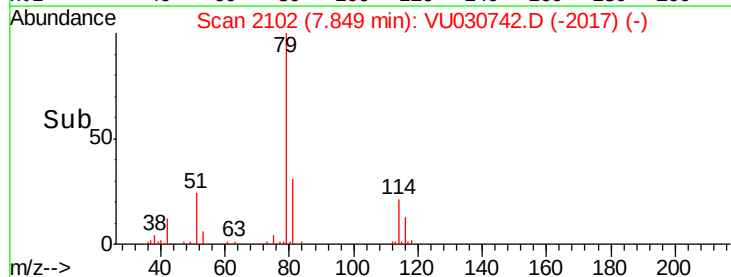
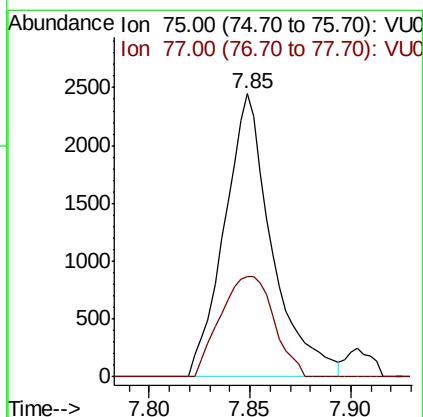
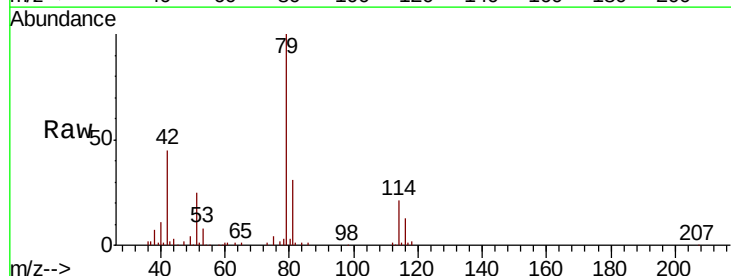
Tot Ion: 75 Resp: 5588
 Ion Ratio Lower Upper
 75 100
 77 50.4 23.1 42.9#

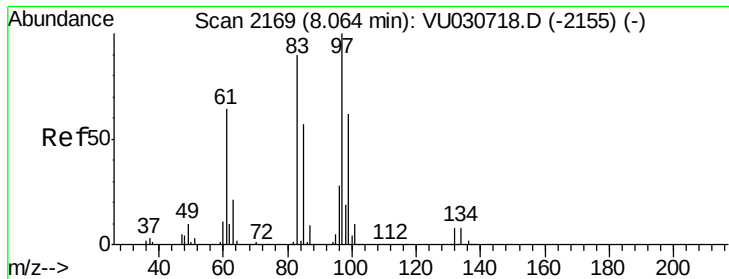


#44

trans-1,3-Dichloropropene
 Concen: 0.767 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030742.D
 Acq: 05 Apr 2019 14:44

Tgt Ion: 75 Resp: 4025
 Ion Ratio Lower Upper
 75 100
 77 35.6 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 2.079 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU030742.D

Acq: 05 Apr 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

BF1B9

Tot Ion: 97 Resp: 7377

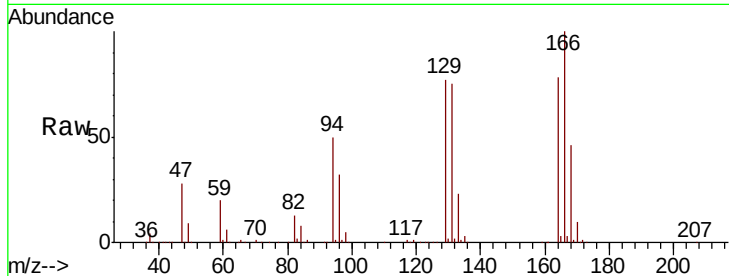
Ion Ratio Lower Upper

97 100

99 15.4 44.0 81.8#

83 276.6 65.3 121.3#

85 34.4 42.5 78.9#

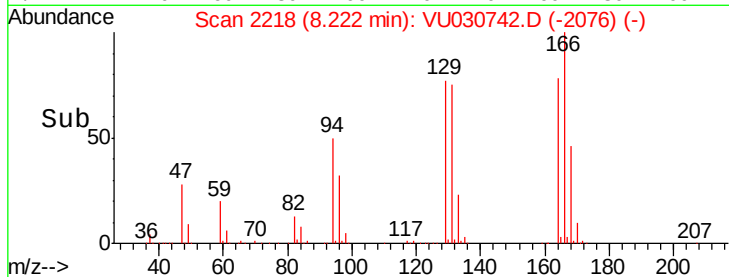
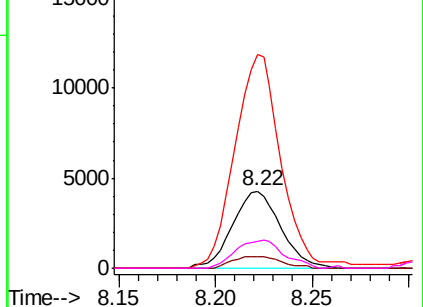


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 291.166 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030742.D

Acq: 05 Apr 2019 14:44

Tgt Ion:164 Resp: 767101

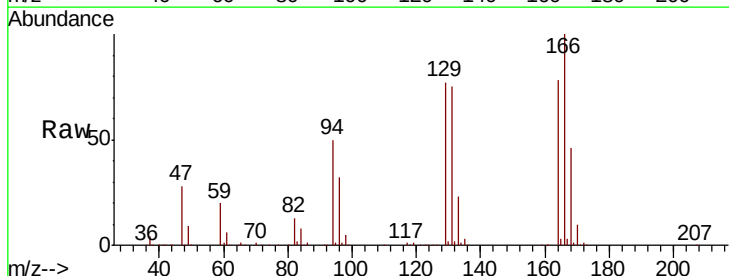
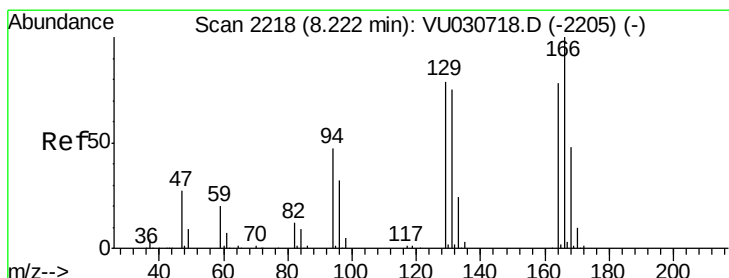
Ion Ratio Lower Upper

164 100

129 98.7 67.4 125.2

131 96.0 65.9 122.5

166 127.9 88.6 164.6

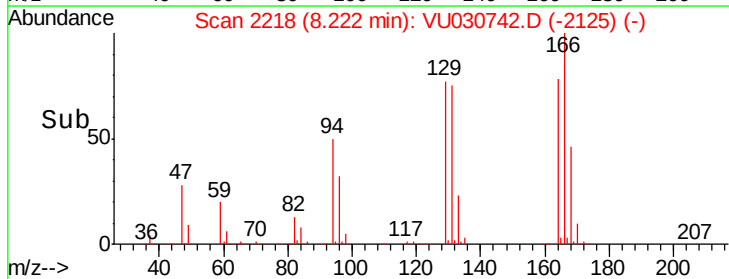
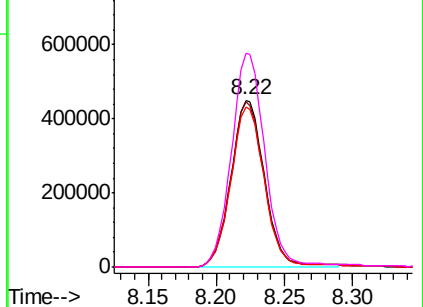


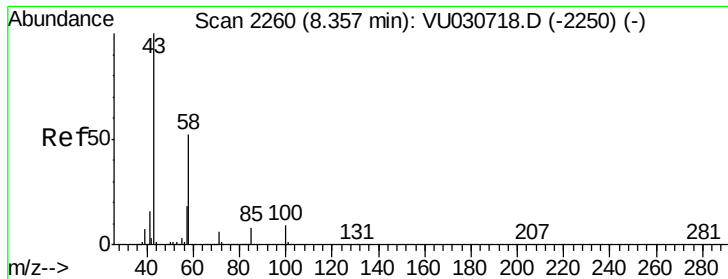
Abundance Ion 164.00 (163.70 to 164.70): V

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

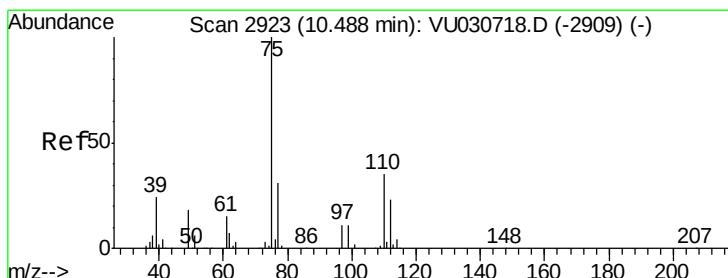
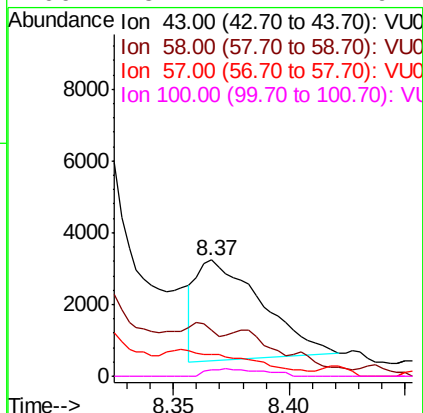
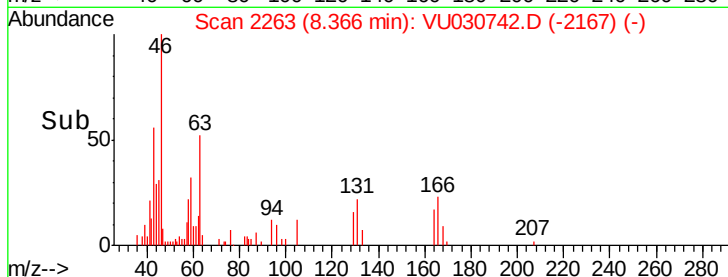
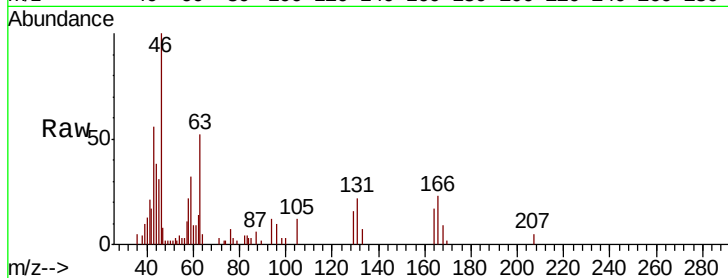




#48
 2-Hexanone
 Concen: 1.039 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU030742.D
 Acq: 05 Apr 2019 14:44

Instrument :
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 ClientSampleId :
 BF1B9

Tot Ion: 43 Resp: 5454
 Ion Ratio Lower Upper
 43 100
 58 5.7 41.9 62.9#
 57 3.7 14.3 21.5#
 100 5.7 7.1 10.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.106 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU030742.D
 Acq: 05 Apr 2019 14:44

Tgt Ion: 75 Resp: 25582
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.1 39.1

