

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031086.D
 Acq On : 11 Apr 2019 21:57
 Operator : JC/SP
 Sample : K2340-18ME
 Misc : 5.49g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T0ME

Quant Time: Apr 12 04:51:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:43:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	462802	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	466260	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218573	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147538	35.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.42%
7) Chloroethane-d5	1.70	69	211	0.07	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.14%#
11) 1,1-Dichloroethene-d2	2.23	63	234569	31.39	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.78%
21) 2-Butanone-d5	4.19	46	342644	104.65	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.65%
24) Chloroform-d	4.64	84	299607	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
26) 1,2-Dichloroethane-d4	5.30	65	221249	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
32) Benzene-d6	5.33	84	611686	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.88%
36) 1,2-Dichloropropane-d6	6.32	67	218123	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.52%
41) Toluene-d8	7.56	98	511693	42.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.82%
43) trans-1,3-Dichloropropene-	7.85	79	96012	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
47) 2-Hexanone-d5	8.32	63	237881	111.58	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	345094	54.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	221133	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%

Target Compounds

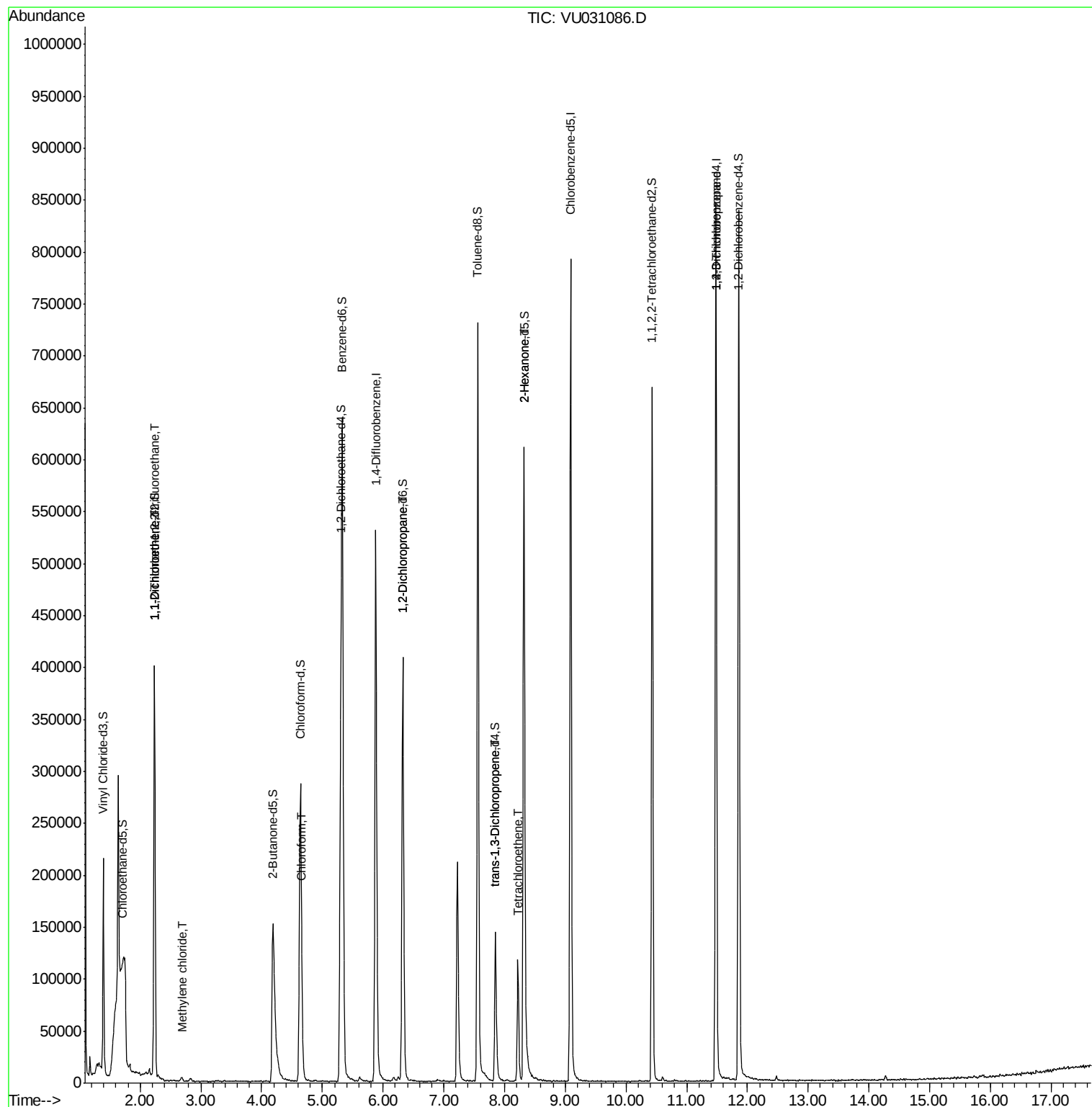
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1929	0.582	ug/L #	20
12) 1,1-Dichloroethene	2.24	96	2053	0.642	ug/L #	1
16) Methylene chloride	2.69	84	2164	0.557	ug/L #	67
25) Chloroform	4.67	83	17063	2.422	ug/L	93
37) 1,2-Dichloropropane	6.32	63	22195	5.137	ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	3817	0.704	ug/L	96
46) Tetrachloroethene	8.22	164	27958	10.276	ug/L	97
48) 2-Hexanone	8.32	43	29991	5.533	ug/L #	70
59) 1,2,3-Trichloropropane	11.48	75	26708	5.161	ug/L	91

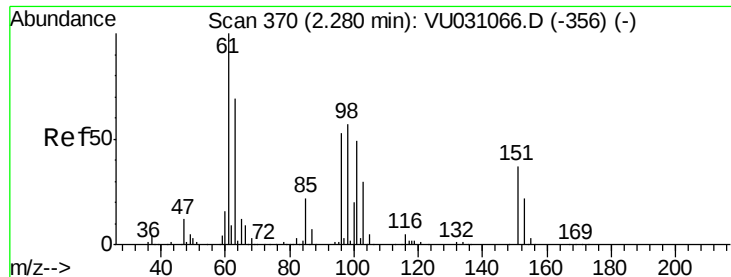
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration





#10

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

Concen: 0.582 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.05 min

Lab File: VU031086.D

Acq: 11 Apr 2019 21:57

Instrument :

MSVOA_U

ClientSampleId :

BF2T0ME

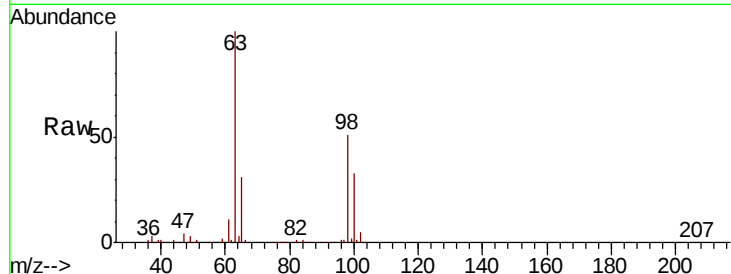
Tot Ion:101 Resp: 1929

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

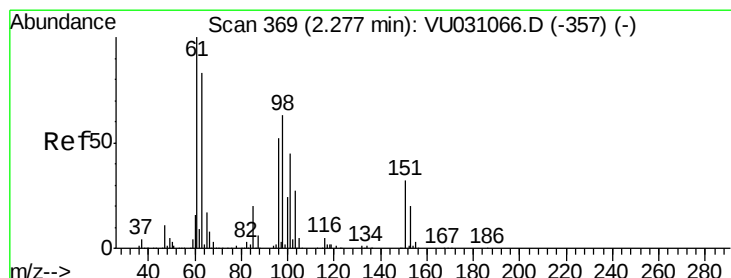
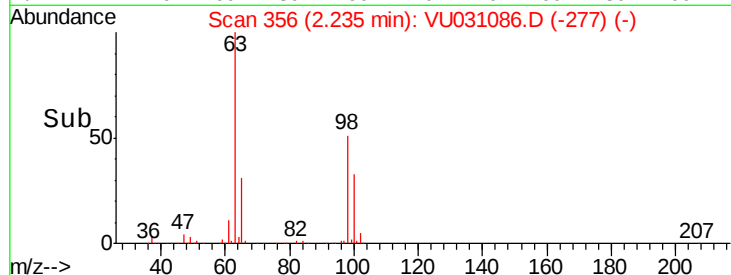
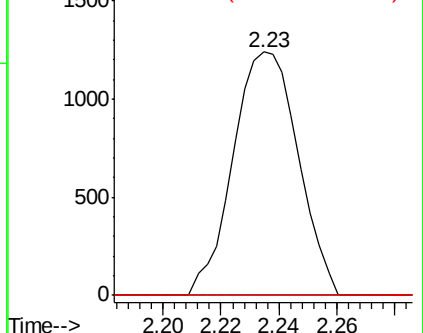
151 0.0 57.4 86.0#



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: 0.642 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.03 min

Lab File: VU031086.D

Acq: 11 Apr 2019 21:57

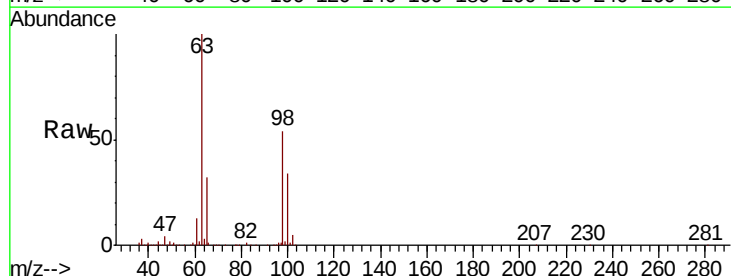
Tgt Ion: 96 Resp: 2053

Ion Ratio Lower Upper

96 100

61 1126.8 132.0 245.2#

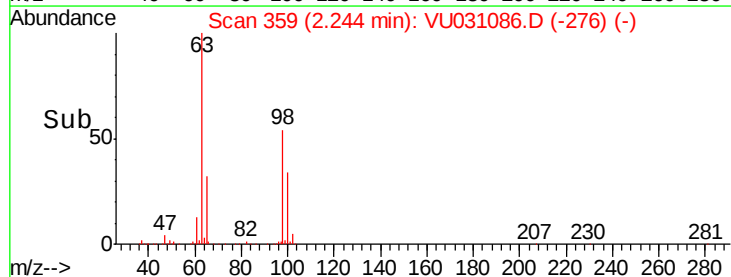
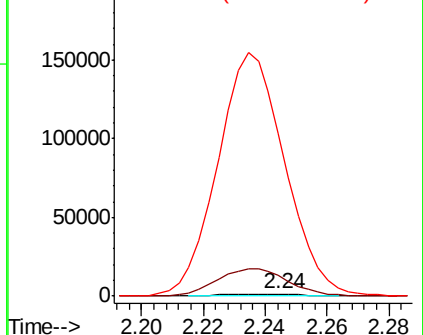
63 9014.3 90.9 168.9#

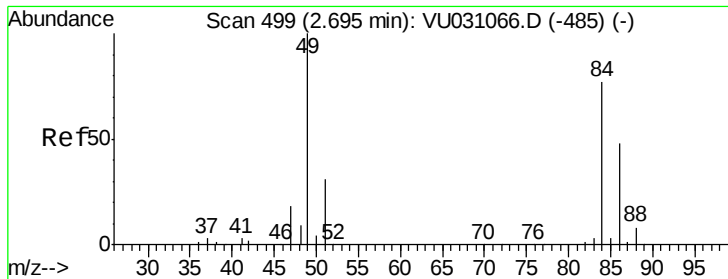


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

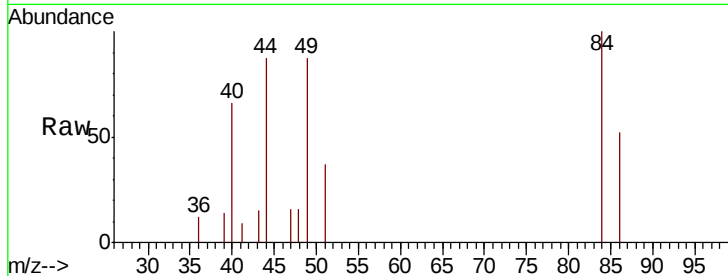




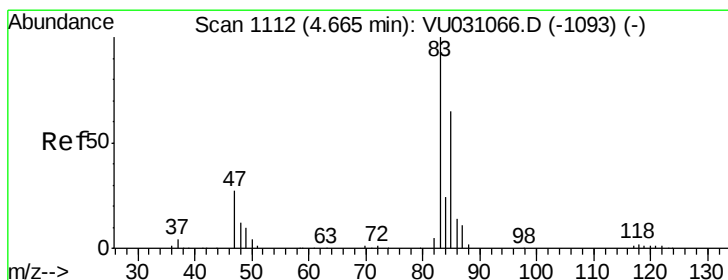
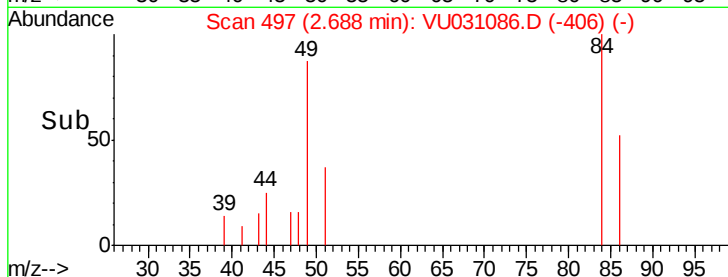
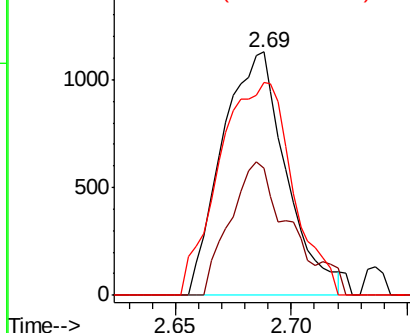
#16
Methylene chloride
Concen: 0.557 ug/L
RT: 2.69 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU031086.D
Acq: 11 Apr 2019 21:57

Instrument :
MSVOA_U
ClientSampled :
BF2T0ME

Tot Ion: 84 Resp: 2164
Ion Ratio Lower Upper
84 100
86 52.3 45.1 83.7
49 87.3 96.5 179.1#

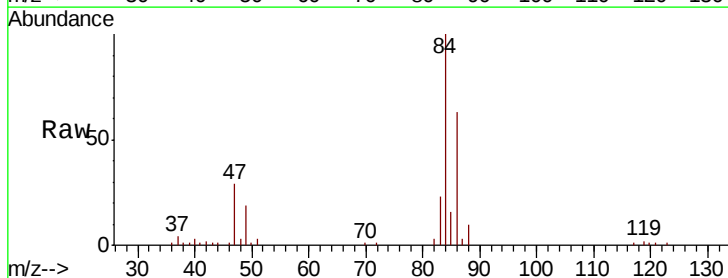


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

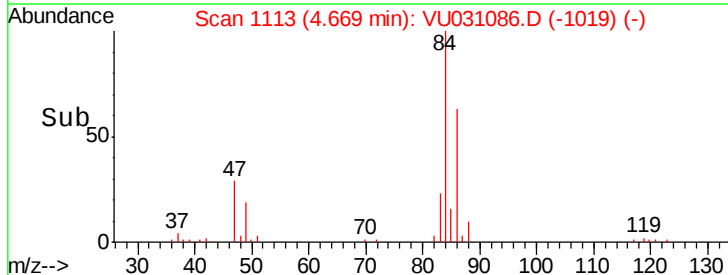
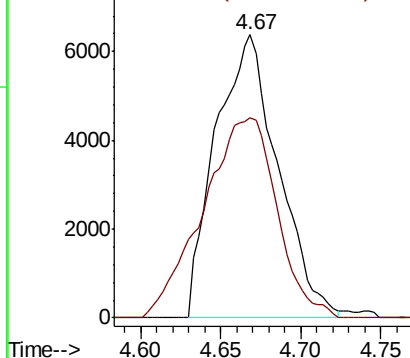


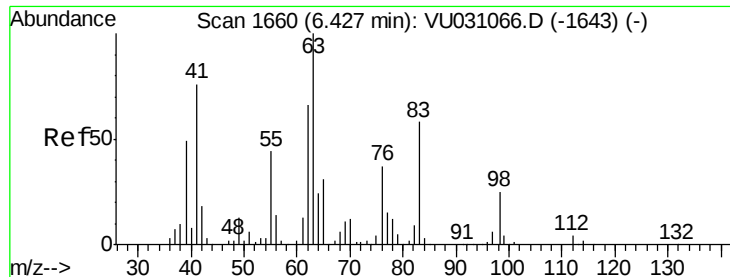
#25
Chloroform
Concen: 2.422 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031086.D
Acq: 11 Apr 2019 21:57

Tgt Ion: 83 Resp: 17063
Ion Ratio Lower Upper
83 100
85 70.7 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

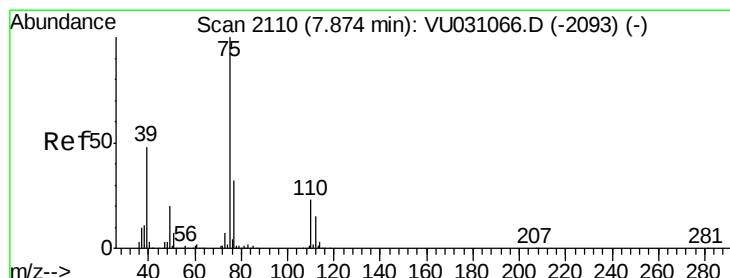
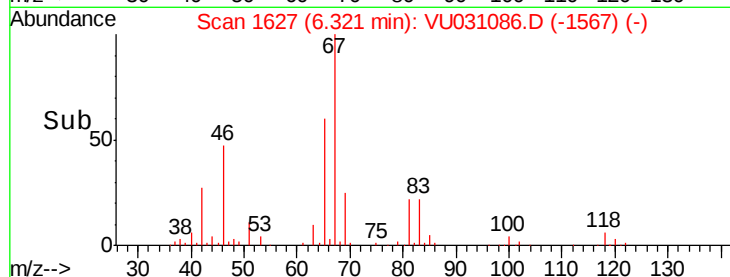
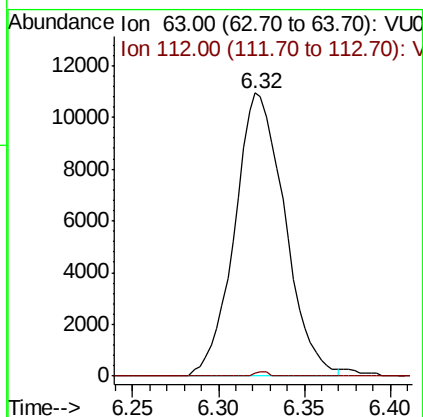
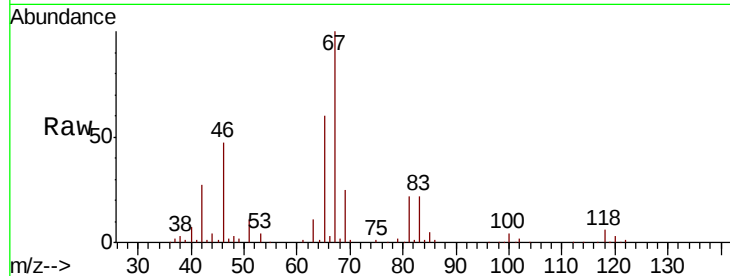




#37
 1,2-Dichloropropane
 Concen: 5.137 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.11 min
 Lab File: VU031086.D
 Acq: 11 Apr 2019 21:57

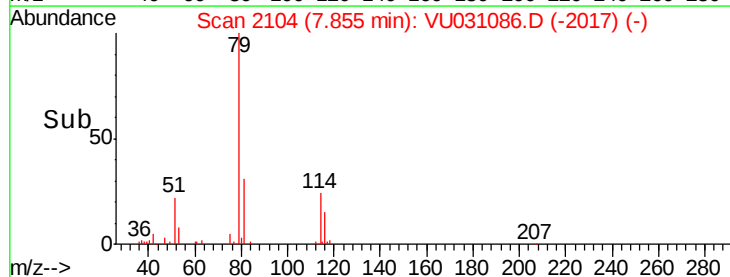
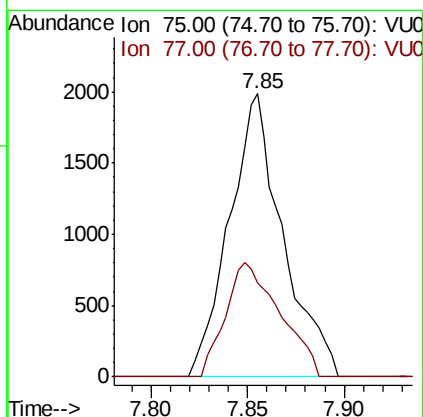
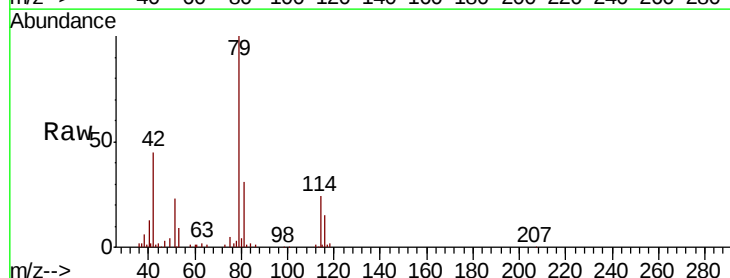
Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T0ME

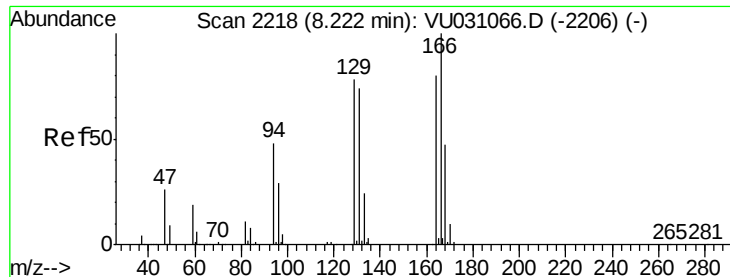
Tot Ion: 63 Resp: 22195
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.0 4.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.704 ug/L
 RT: 7.85 min Scan# 2104
 Delta R.T. -0.02 min
 Lab File: VU031086.D
 Acq: 11 Apr 2019 21:57

Tgt Ion: 75 Resp: 3817
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.6 40.0





#46

Tetrachloroethene

Concen: 10.276 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031086.D

Acq: 11 Apr 2019 21:57

Instrument :

MSVOA_U

ClientSampleId :

BF2T0ME

Tot Ion:164 Resp: 27958

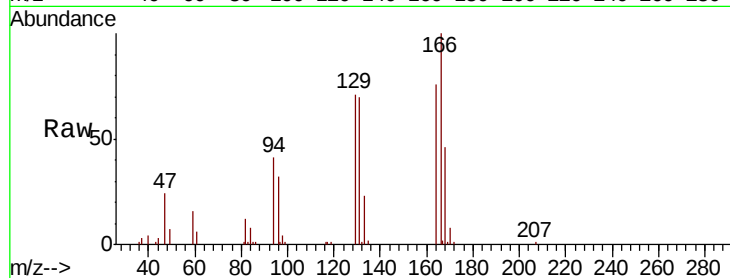
Ion Ratio Lower Upper

164 100

129 92.9 67.4 125.2

131 92.3 65.9 122.5

166 131.5 88.6 164.6

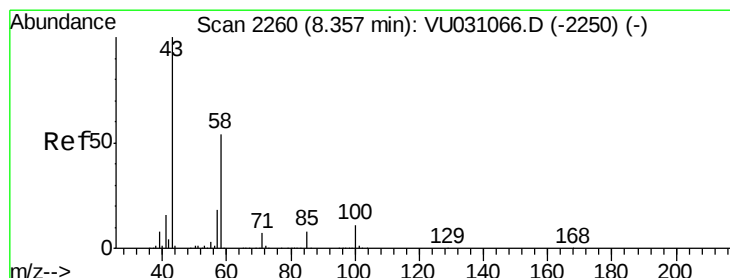
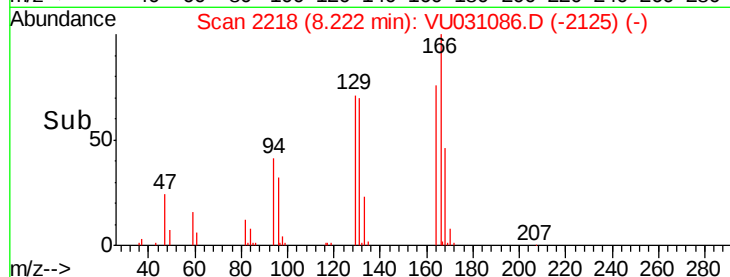
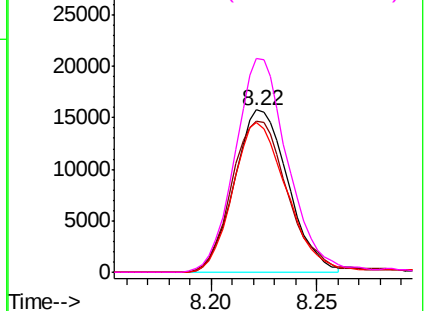


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.533 ug/L

RT: 8.32 min Scan# 2249

Delta R.T. -0.04 min

Lab File: VU031086.D

Acq: 11 Apr 2019 21:57

Tgt Ion: 43 Resp: 29991

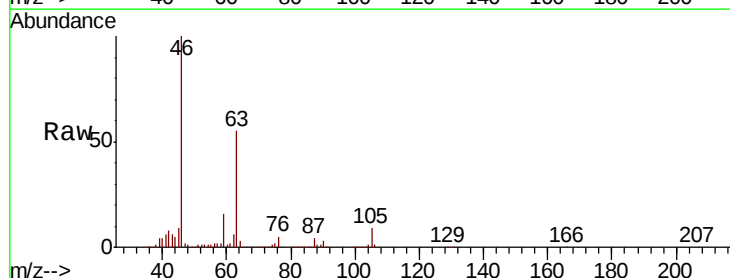
Ion Ratio Lower Upper

43 100

58 28.8 41.9 62.9#

57 28.9 14.3 21.5#

100 0.7 7.1 10.7#

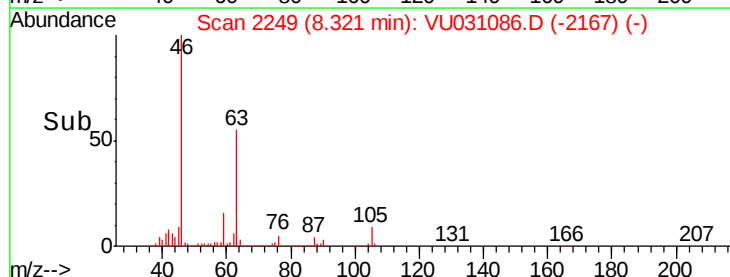
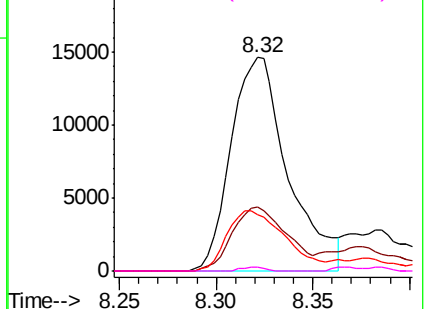


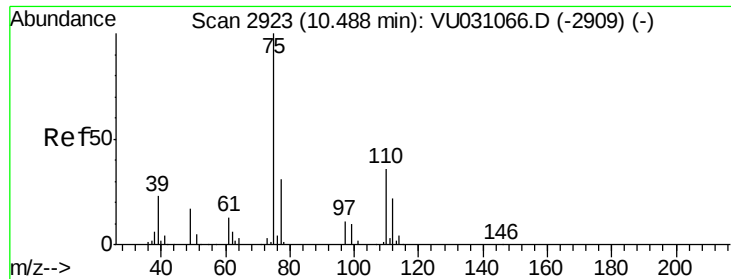
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#59

1,2,3-Trichloropropane

Concen: 5.161 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031086.D

Acq: 11 Apr 2019 21:57

Instrument :

MSVOA_U

ClientSampleId :

BF2T0ME

Tot Ion: 75 Resp: 26708

Ion Ratio Lower Upper

75 100

77 37.6 26.1 39.1

