

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031109.D
 Acq On : 12 Apr 2019 07:06
 Operator : JC/SP
 Sample : K2353-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 101 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ65

Quant Time: Apr 12 07:31:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	548419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	533942	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	230887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	162356	33.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.32%
7) Chloroethane-d5	1.68	69	140041	37.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.38%
11) 1,1-Dichloroethene-d2	2.27	63	281704	31.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.62%
21) 2-Butanone-d5	4.19	46	369760	95.30	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	4.64	84	318035	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
26) 1,2-Dichloroethane-d4	5.31	65	222009	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.02%
32) Benzene-d6	5.33	84	634551	40.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.42%
36) 1,2-Dichloropropane-d6	6.32	67	225658	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.48%
41) Toluene-d8	7.56	98	541107	39.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.32%#
43) trans-1,3-Dichloropropene-	7.85	79	94496	38.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.58%
47) 2-Hexanone-d5	8.31	63	193135	79.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.11%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324791	45.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	211416	46.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.12%

Target Compounds

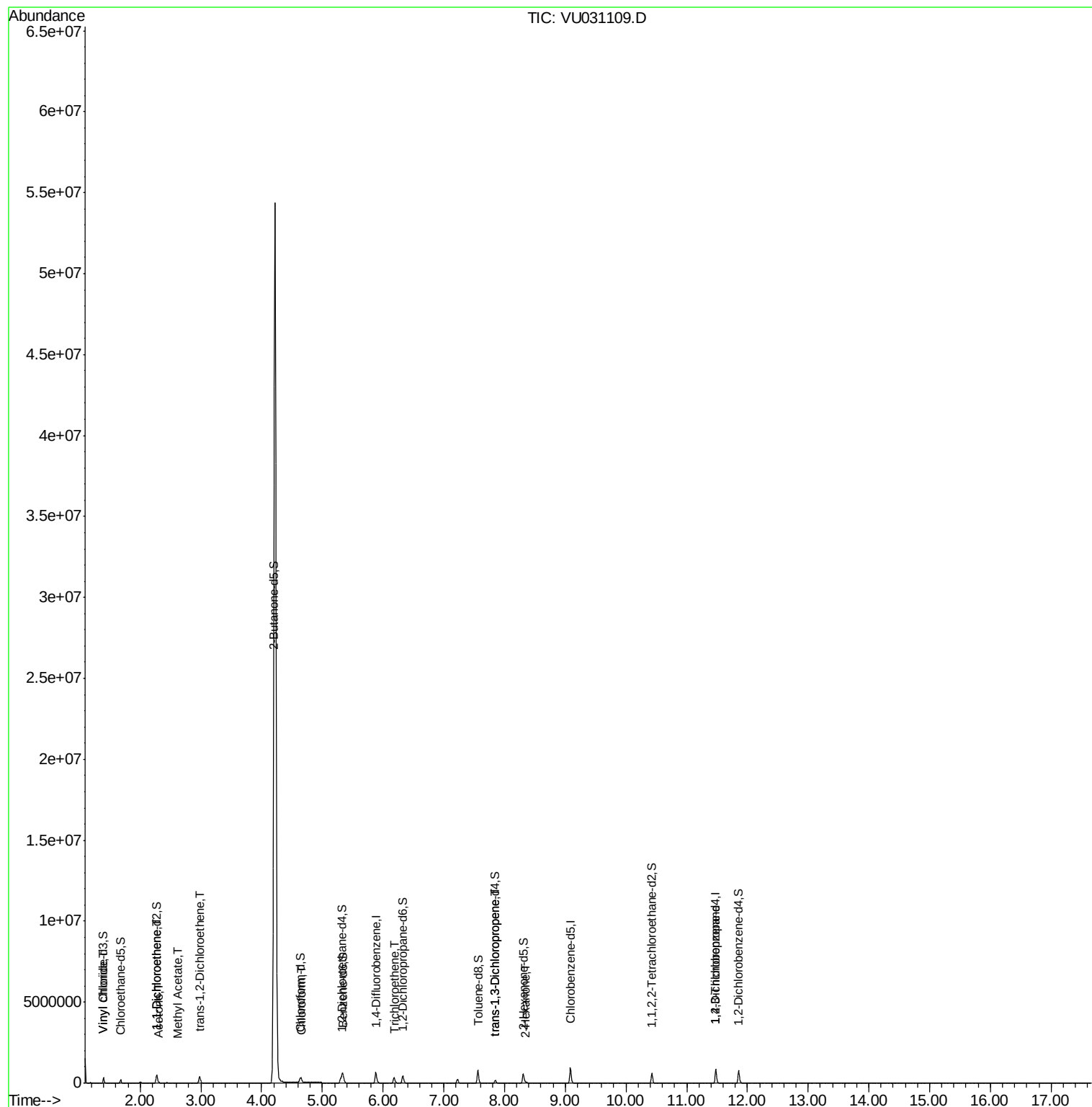
					Ovalue
5) Vinyl chloride	1.40	62	66242	10.982	ug/L 96
12) 1,1-Dichloroethene	2.28	96	73952	19.507	ug/L # 77
13) Acetone	2.32	43	9883	2.489	ug/L 100
15) Methyl Acetate	2.62	43	4114	0.668	ug/L # 81
17) trans-1,2-Dichloroethene	2.98	96	168436	41.846	ug/L 96
25) Chloroform	4.67	83	15846	1.898	ug/L 98
34) Trichloroethene	6.18	95	123622	28.846	ug/L 97
44) trans-1,3-Dichloropropene	7.85	75	3864	0.623	ug/L # 72
48) 2-Hexanone	8.36	43	16822	2.710	ug/L 89
59) 1,2,3-Trichloropropane	11.48	75	27091	4.572	ug/L 88

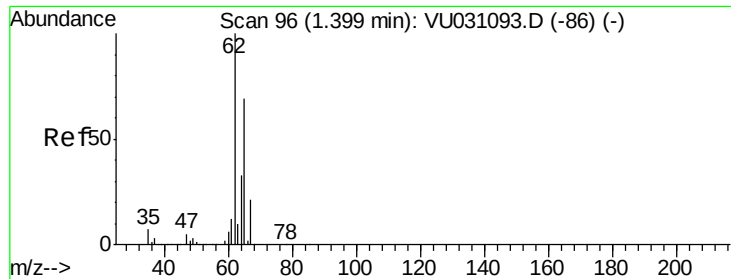
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.982 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031109.D

Acq: 12 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

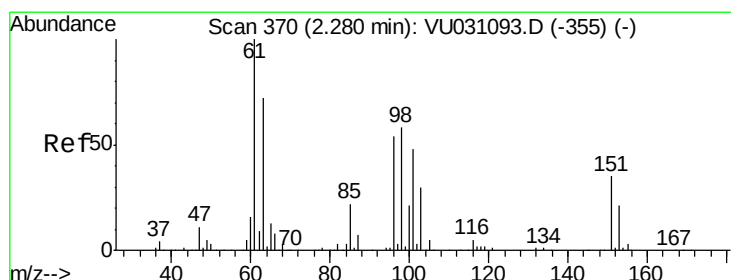
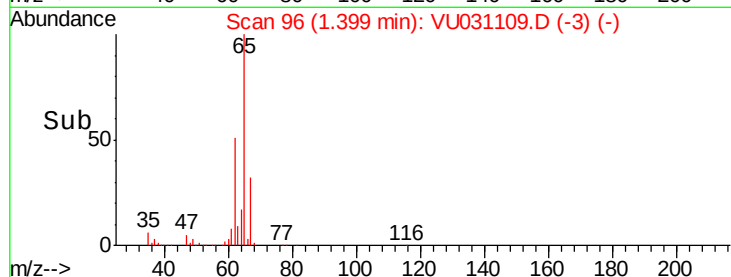
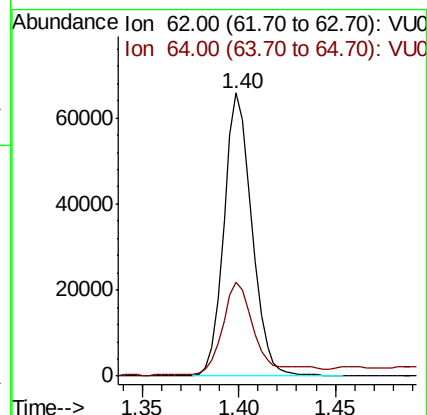
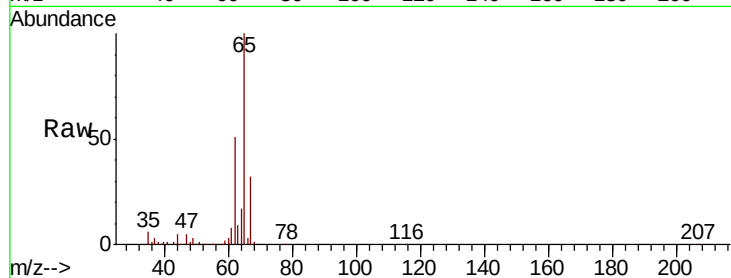
ETJ65

Tot Ion: 62 Resp: 66242

Ion Ratio Lower Upper

62 100

64 33.2 21.5 39.9



#12

1,1-Dichloroethene

Concen: 19.507 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031109.D

Acq: 12 Apr 2019 07:06

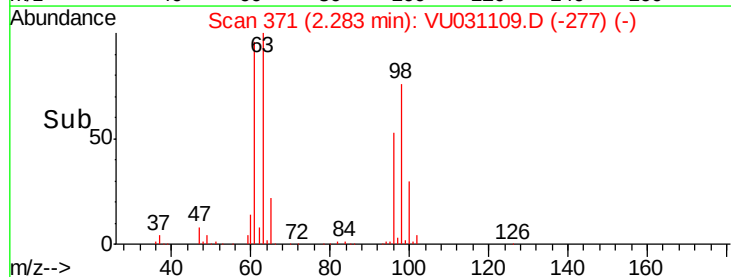
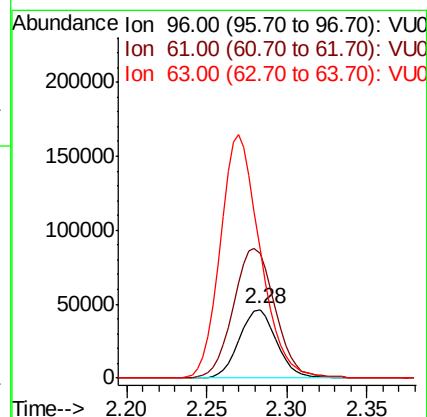
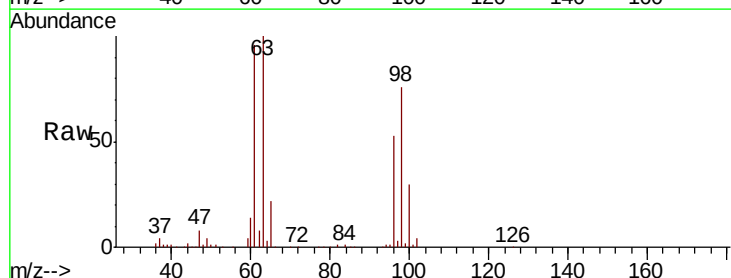
Tgt Ion: 96 Resp: 73952

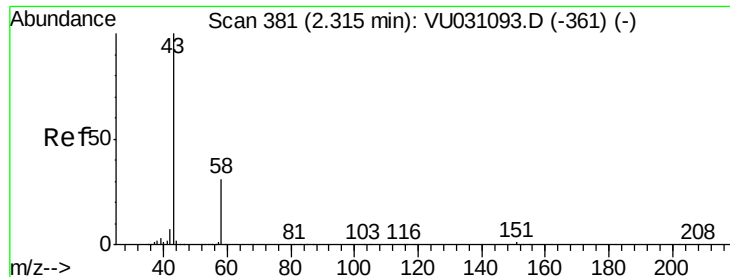
Ion Ratio Lower Upper

96 100

61 182.3 132.0 245.2

63 189.0 90.9 168.9#





#13

Acetone

Concen: 2.489 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031109.D

Acq: 12 Apr 2019 07:06

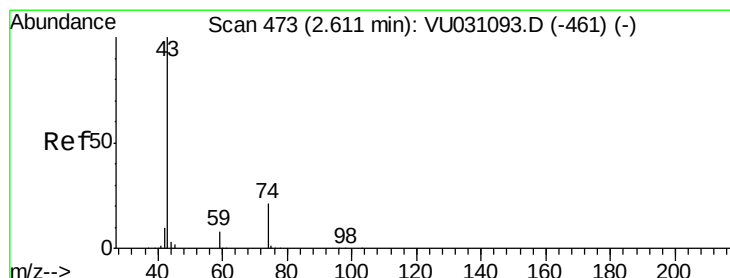
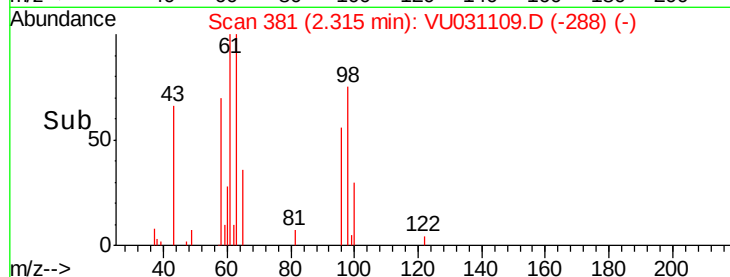
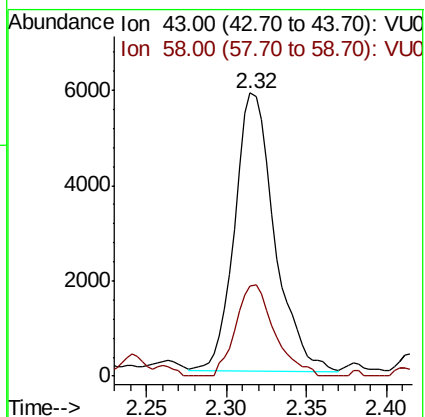
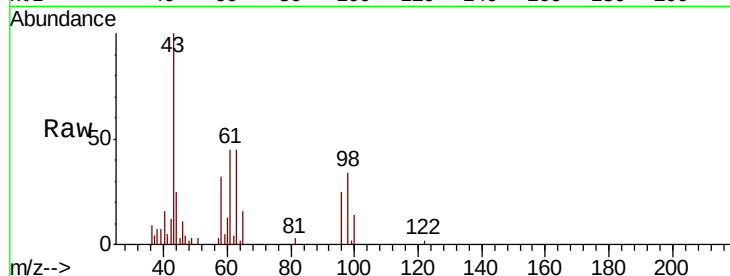
Instrument :
MSVOA_U
ClientSampled :
ETJ65

Tot Ion: 43 Resp: 9883

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.0



#15

Methyl Acetate

Concen: 0.668 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU031109.D

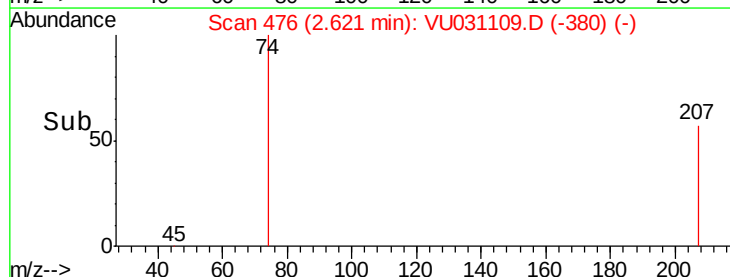
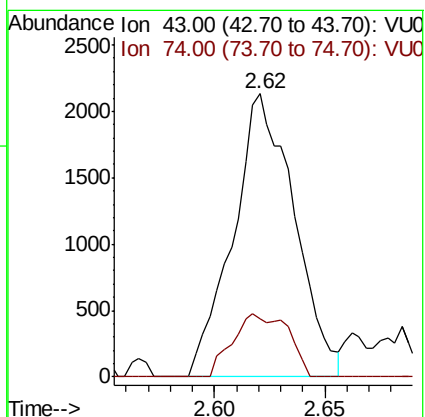
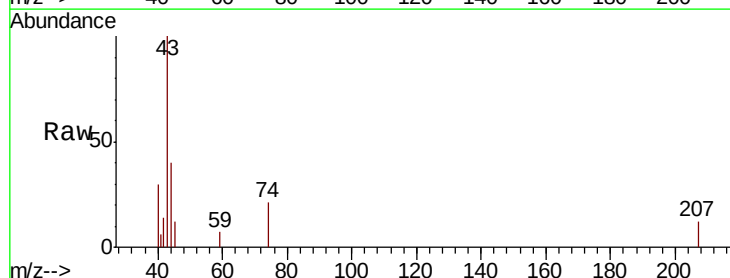
Acq: 12 Apr 2019 07:06

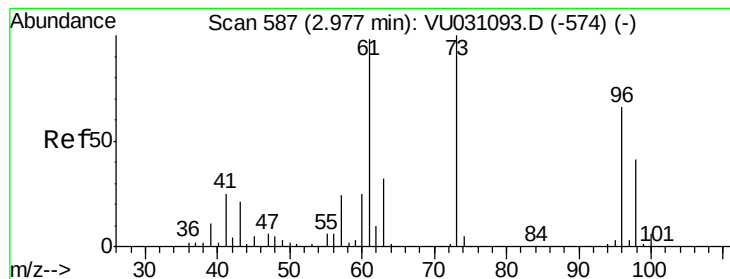
Tgt Ion: 43 Resp: 4114

Ion Ratio Lower Upper

43 100

74 12.6 17.1 25.7#





#17

trans-1,2-Dichloroethene

Concen: 41.846 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031109.D

Acq: 12 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

ETJ65

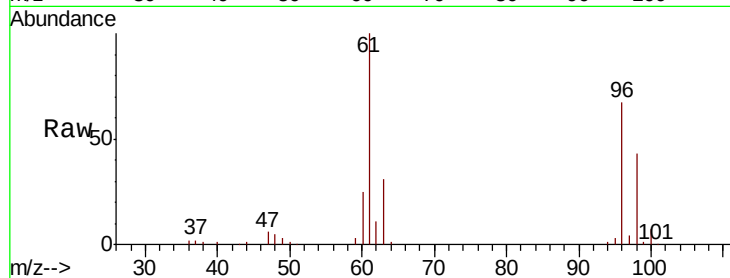
Tot Ion: 96 Resp: 168436

Ion Ratio Lower Upper

96 100

61 150.3 109.5 203.3

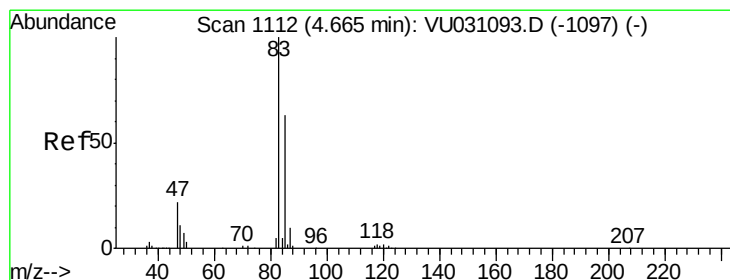
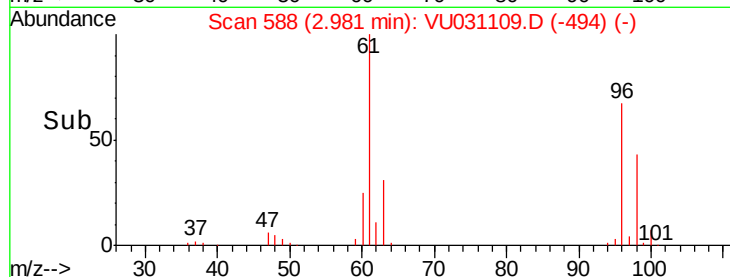
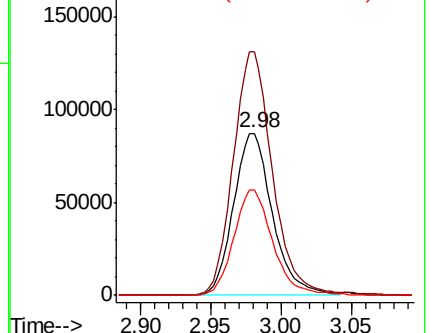
98 64.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031109.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU031109.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU031109.D (-574) (-)



#25

Chloroform

Concen: 1.898 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031109.D

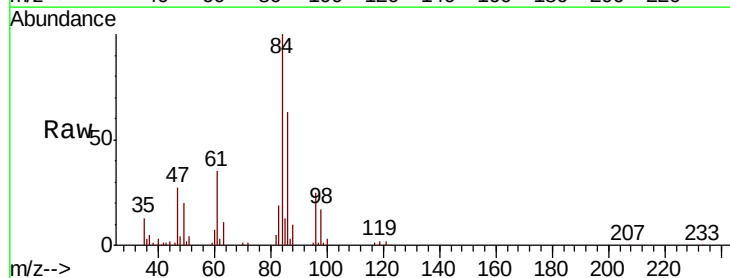
Acq: 12 Apr 2019 07:06

Tgt Ion: 83 Resp: 15846

Ion Ratio Lower Upper

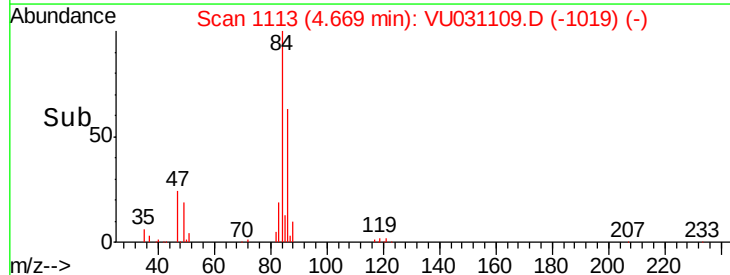
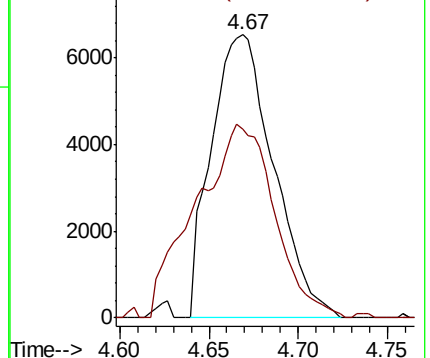
83 100

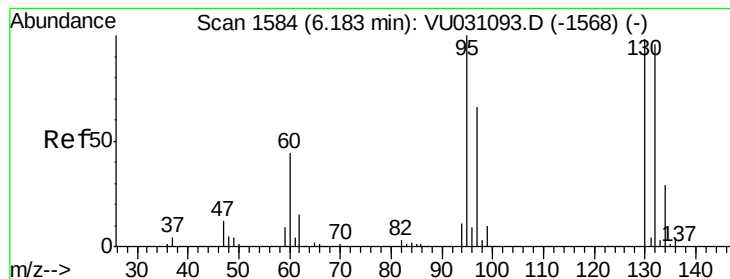
85 66.8 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031109.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VU031109.D (-1019) (-)





#34

Trichloroethene

Concen: 28.846 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031109.D

Acq: 12 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

ETJ65

Tot Ion: 95 Resp: 123622

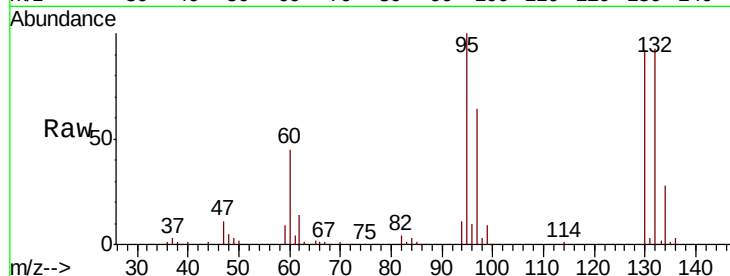
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 92.8 61.5 114.1

130 91.5 64.9 120.5



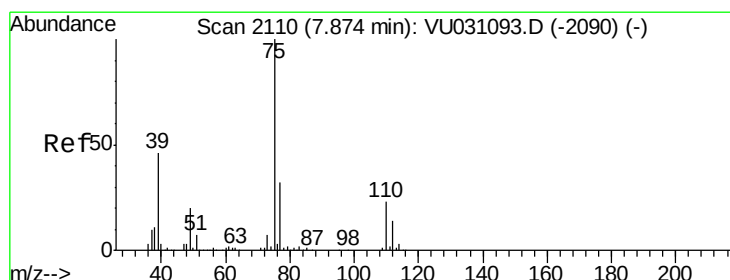
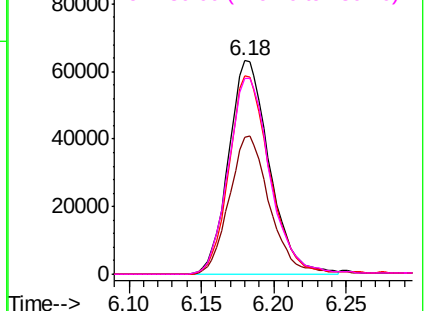
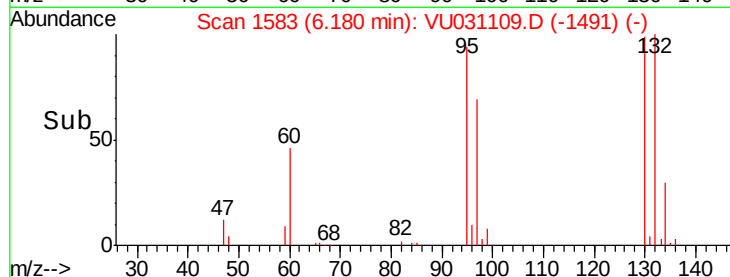
Abundance

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: 0.623 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031109.D

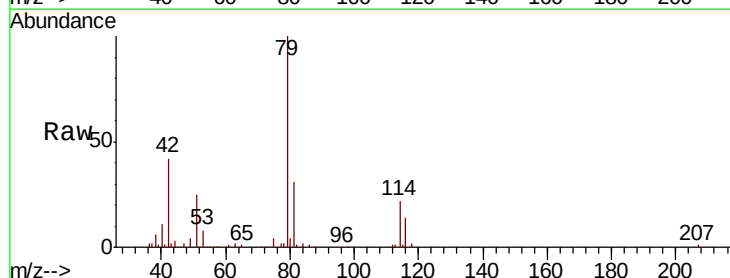
Acq: 12 Apr 2019 07:06

Tgt Ion: 75 Resp: 3864

Ion Ratio Lower Upper

75 100

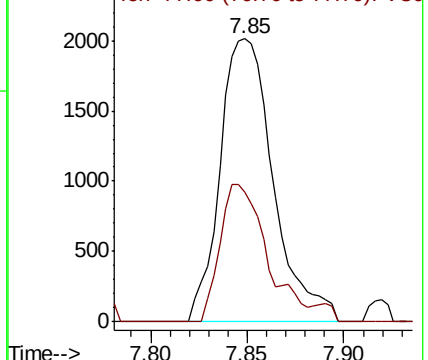
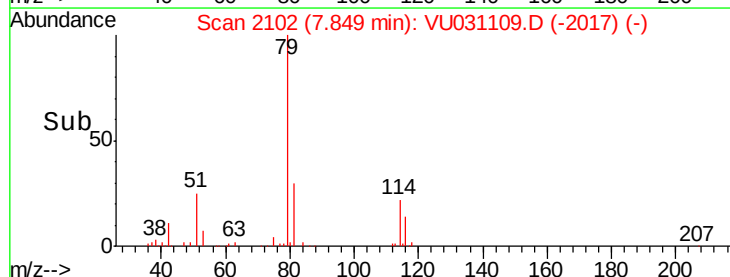
77 46.0 21.6 40.0#

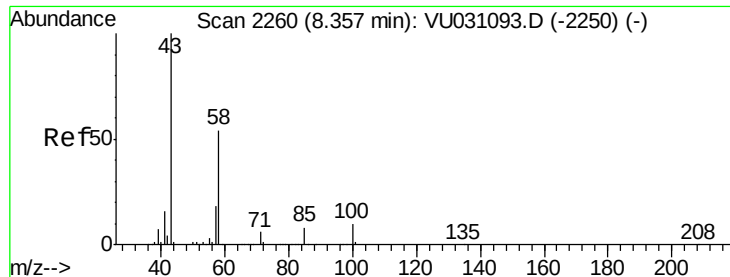


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

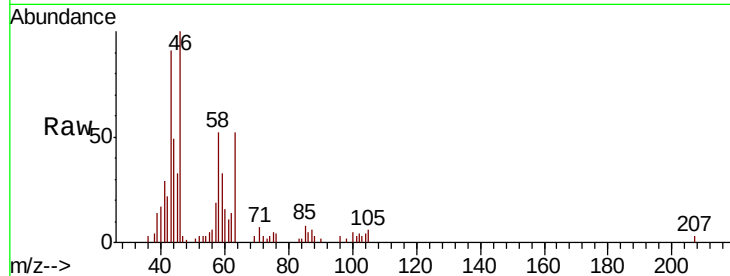




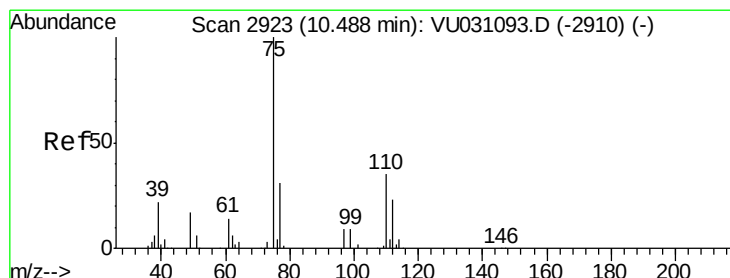
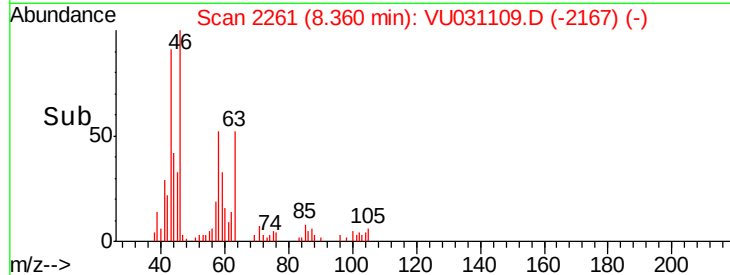
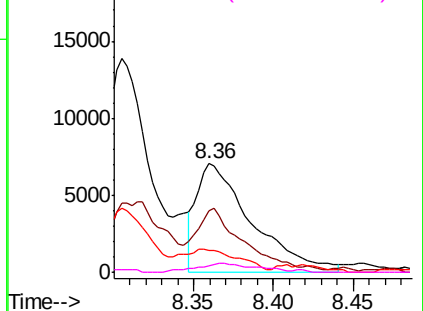
#48
2-Hexanone
Concen: 2.710 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031109.D
Acq: 12 Apr 2019 07:06

Instrument :
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ClientSampleId :
ETJ65

Tot Ion: 43 Resp: 16822
Ion Ratio Lower Upper
43 100
58 42.0 41.9 62.9
57 16.2 14.3 21.5
100 7.9 7.1 10.7

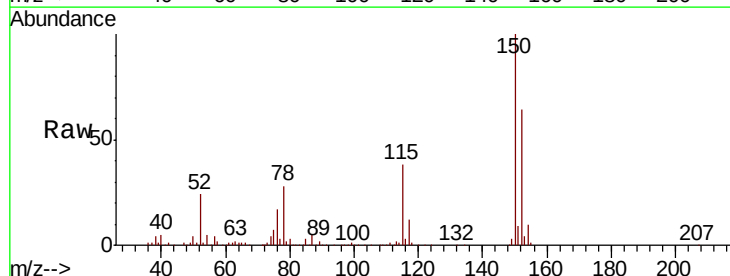


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#59
1,2,3-Trichloropropane
Concen: 4.572 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031109.D
Acq: 12 Apr 2019 07:06

Tgt Ion: 75 Resp: 27091
Ion Ratio Lower Upper
75 100
77 39.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

