

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031047.D
 Acq On : 11 Apr 2019 06:32
 Operator : JC/SP
 Sample : K2299-27
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB707

Quant Time: Apr 11 08:15:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 08:09:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	498374	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	495517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218451	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	216602	48.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.38%
7) Chloroethane-d5	1.68	69	177660	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.24%
11) 1,1-Dichloroethene-d2	2.27	63	299297	37.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.40%
21) 2-Butanone-d5	4.17	46	381534	108.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.21%
24) Chloroform-d	4.79	84	248	0.04	ug/L	0.15
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.08%#
26) 1,2-Dichloroethane-d4	5.31	65	248296	53.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.08%
32) Benzene-d6	5.34	84	751218	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.32	67	257197	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.76%
41) Toluene-d8	7.56	98	642096	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%
43) trans-1,3-Dichloropropene-	7.85	79	107738	47.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.32%
47) 2-Hexanone-d5	8.31	63	231942	102.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	352490	52.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.42%
64) 1,2-Dichlorobenzene-d4	11.85	152	237744	55.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.68%

Target Compounds

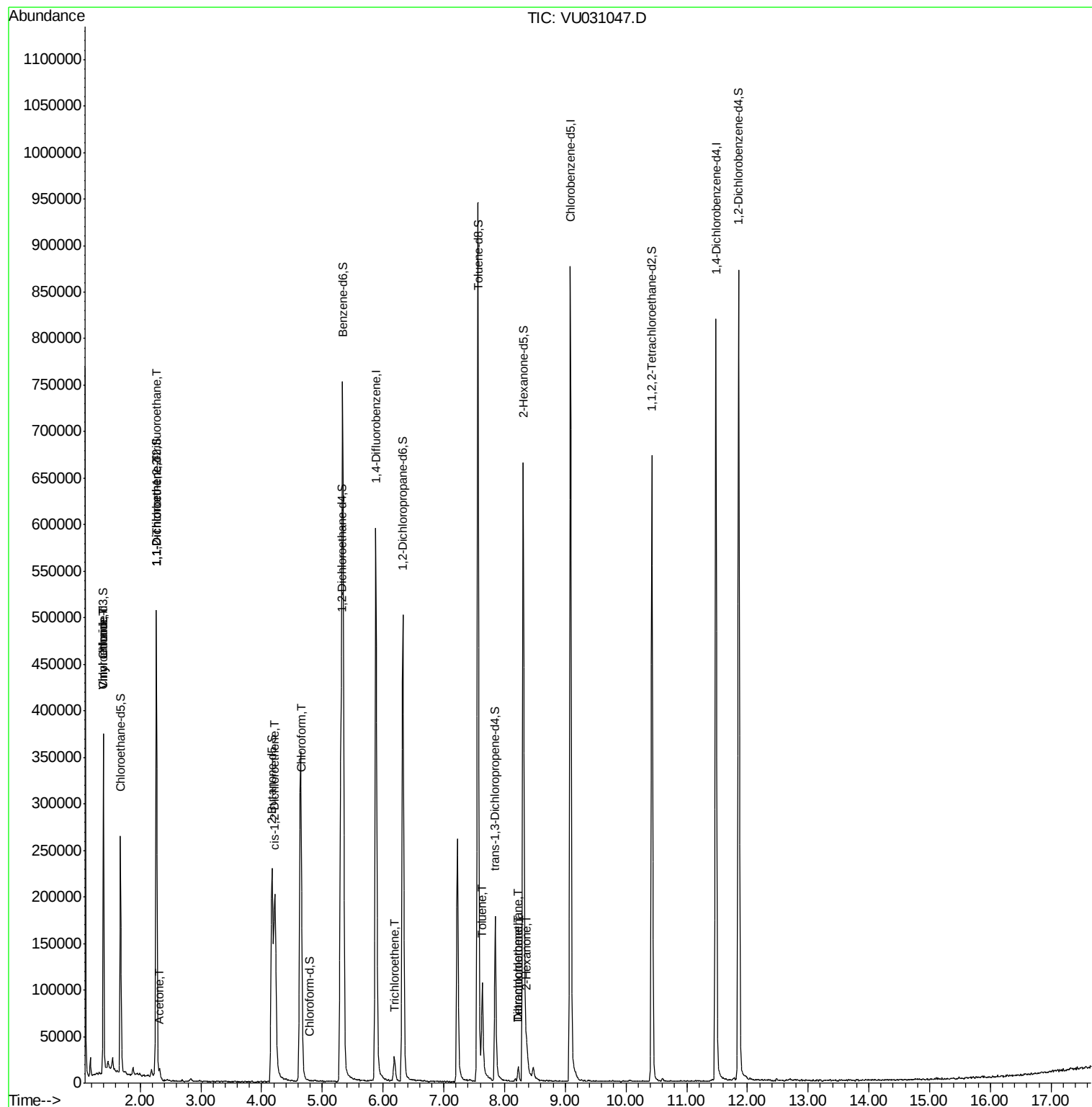
					Ovalue
5) Vinyl chloride	1.40	62	21409	3.906 ug/L #	61
8) Chloroethane	1.40	64	16595	5.308 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2487	0.697 ug/L #	22
12) 1,1-Dichloroethene	2.27	96	2652	0.770 ug/L #	1
13) Acetone	2.32	43	9831	2.725 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	101652	25.168 ug/L	86
25) Chloroform	4.66	83	14015	1.847 ug/L	93
34) Trichloroethene	6.19	95	9897	2.488 ug/L	95
42) Toluene	7.63	91	77276	4.669 ug/L	99
46) Tetrachloroethene	8.22	164	4164	1.440 ug/L #	86
48) 2-Hexanone	8.37	43	16189	2.810 ug/L #	60
49) Dibromochloromethane	8.22	129	3684	0.892 ug/L #	10

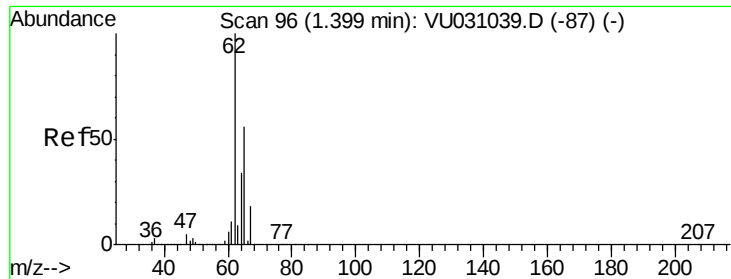
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.906 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

Instrument :

MSVOA_U

ClientSampleId :

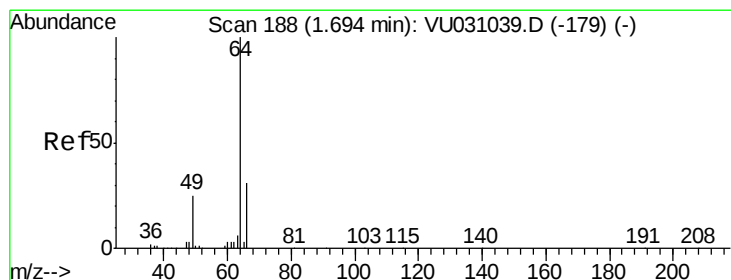
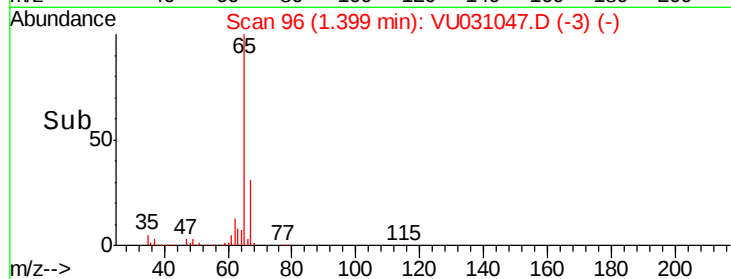
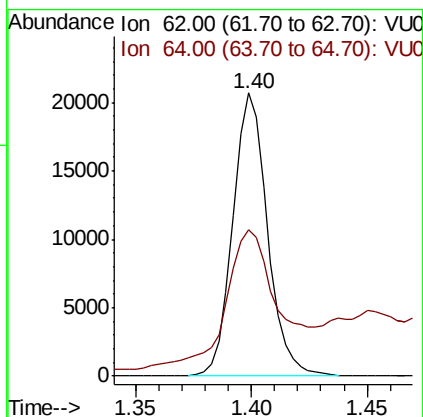
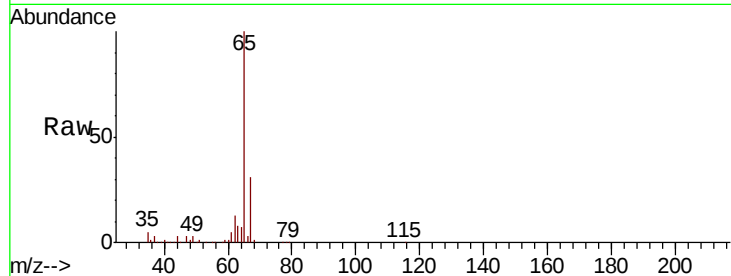
DB707

Tot Ion: 62 Resp: 21409

Ion Ratio Lower Upper

62 100

64 51.9 21.5 39.9#



#8

Chloroethane

Concen: 5.308 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.30 min

Lab File: VU031047.D

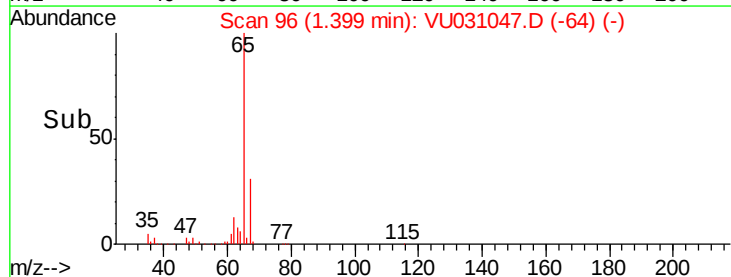
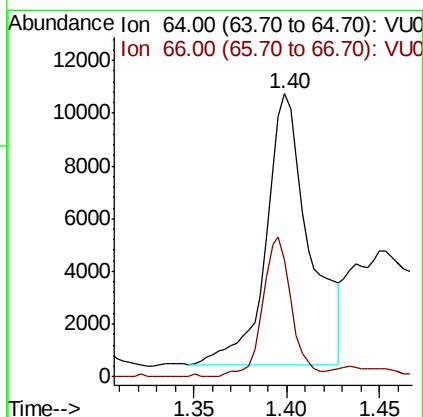
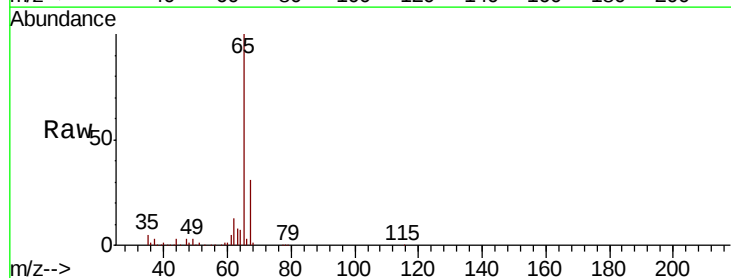
Acq: 11 Apr 2019 06:32

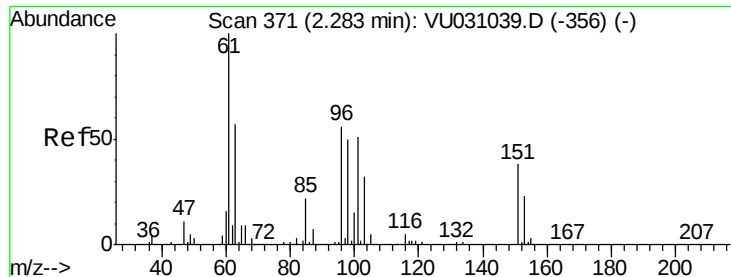
Tgt Ion: 64 Resp: 16595

Ion Ratio Lower Upper

64 100

66 41.5 22.4 41.6





#10

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

Concen: 0.697 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

Instrument :

MSVOA_U

ClientSampleId :

DB707

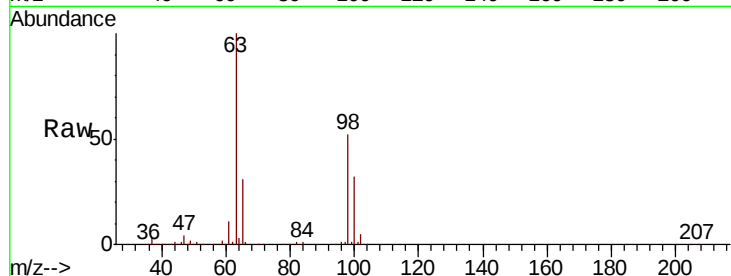
Tot Ion:101 Resp: 2487

Ion Ratio Lower Upper

101 100

85 2.9 36.8 55.2#

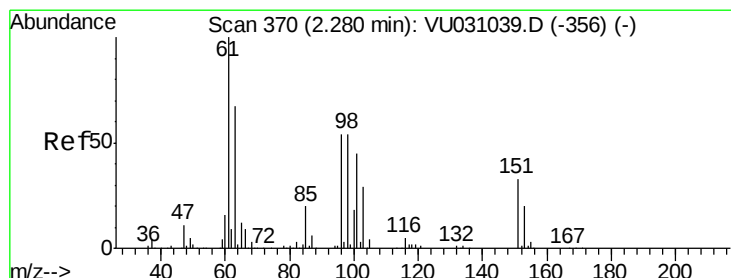
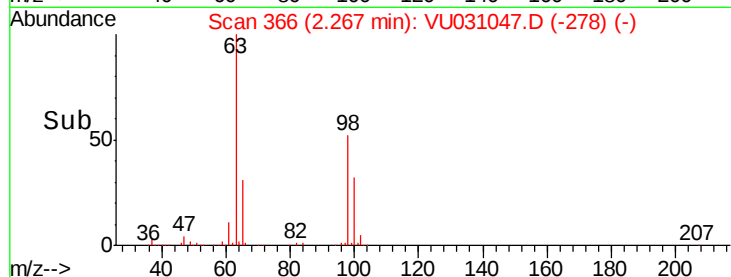
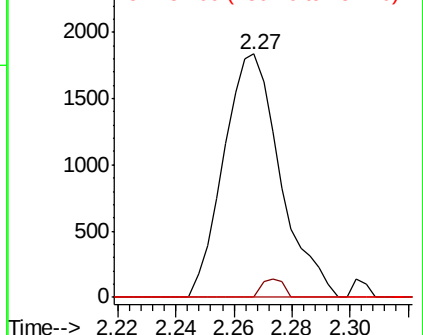
151 0.0 57.4 86.0#



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: 0.770 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

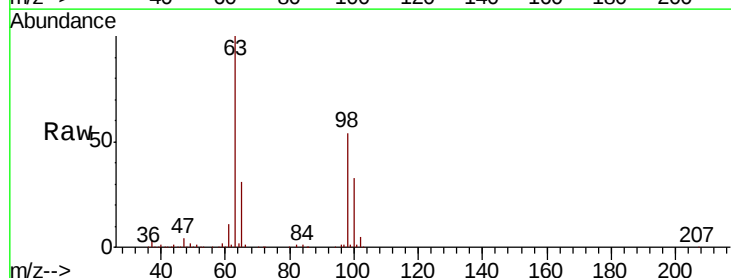
Tgt Ion: 96 Resp: 2652

Ion Ratio Lower Upper

96 100

61 1398.7 132.0 245.2#

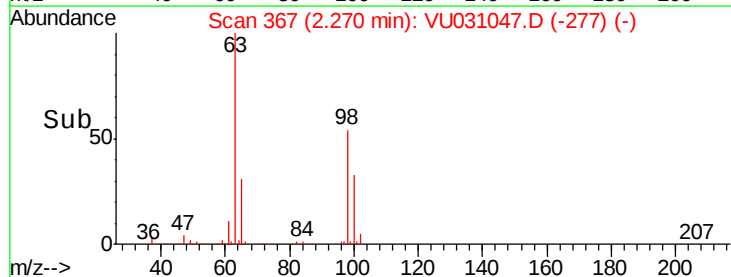
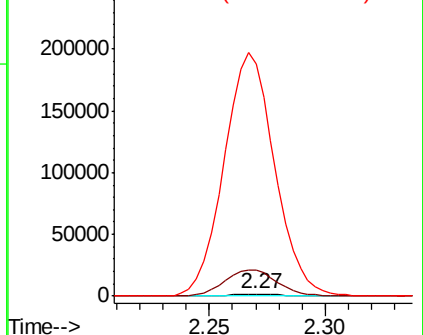
63 12440.7 90.9 168.9#

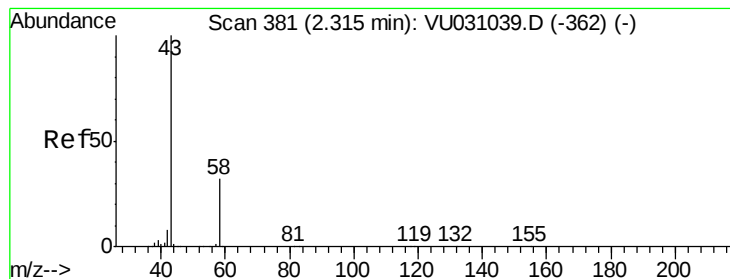


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.725 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

Instrument :

MSVOA_U

ClientSampled :

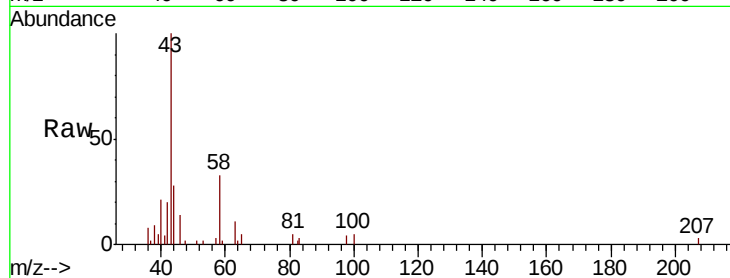
DB707

Tot Ion: 43 Resp: 9831

Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.0

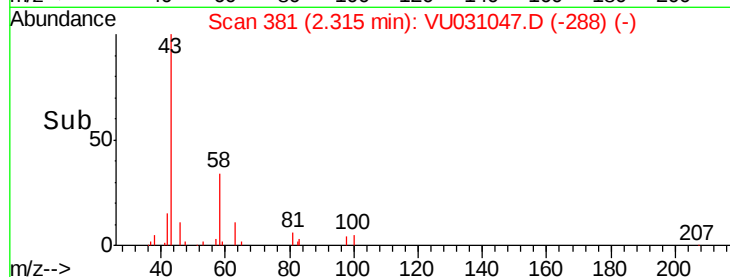


Abundance Ion 43.00 (42.70 to 43.70): VU031039.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031039.D (-362) (-)

2.32

Time-->

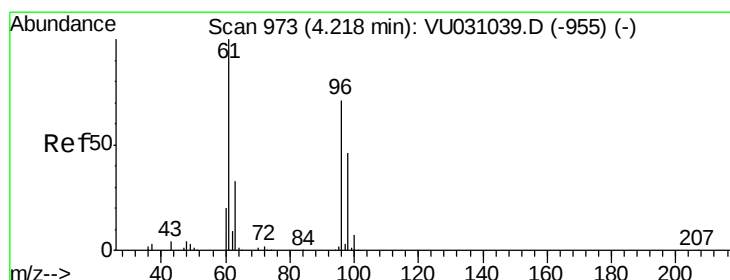


Abundance Ion 43.00 (42.70 to 43.70): VU031047.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU031047.D (-288) (-)

2.32

Time-->



#20

cis-1,2-Dichloroethene

Concen: 25.168 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

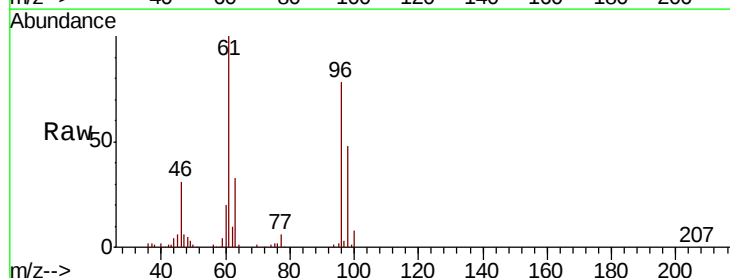
Tgt Ion: 96 Resp: 101652

Ion Ratio Lower Upper

96 100

61 129.0 102.9 191.1

68 0.0 0.0 0.0



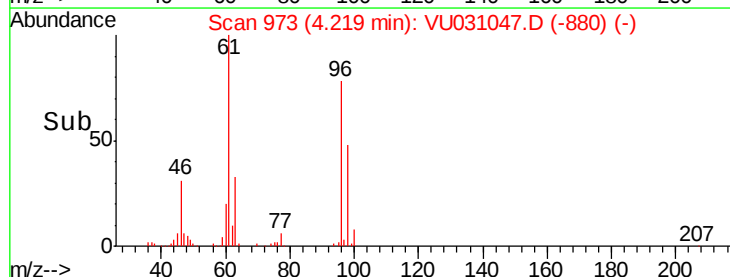
Abundance Ion 96.00 (95.70 to 96.70): VU031039.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031039.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031039.D (-955) (-)

4.22

Time-->



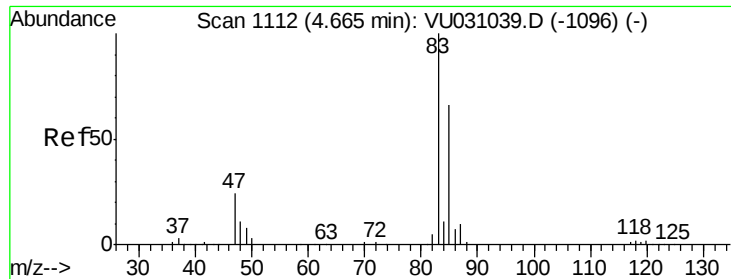
Abundance Ion 96.00 (95.70 to 96.70): VU031047.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031047.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031047.D (-880) (-)

4.22

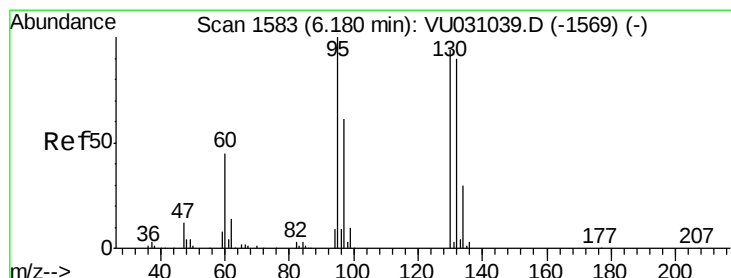
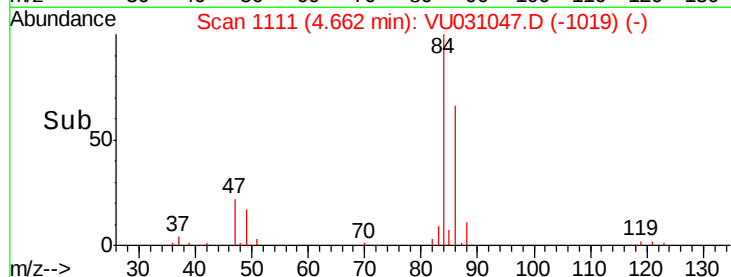
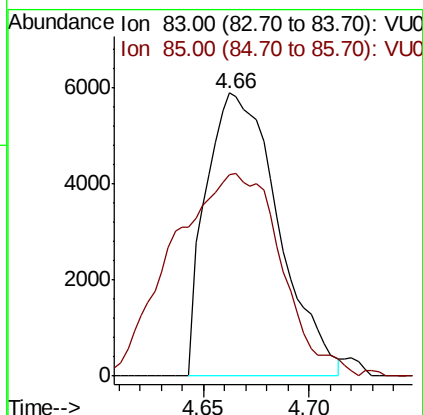
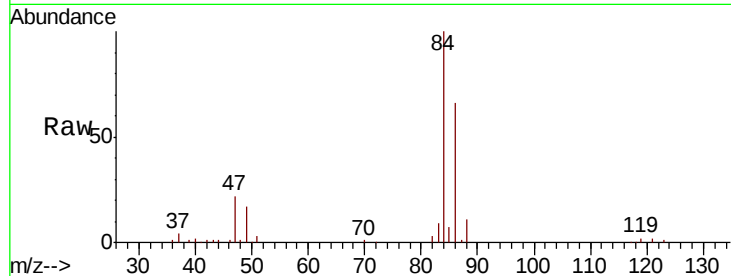
Time-->



#25
Chloroform
Concen: 1.847 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU031047.D
Acq: 11 Apr 2019 06:32

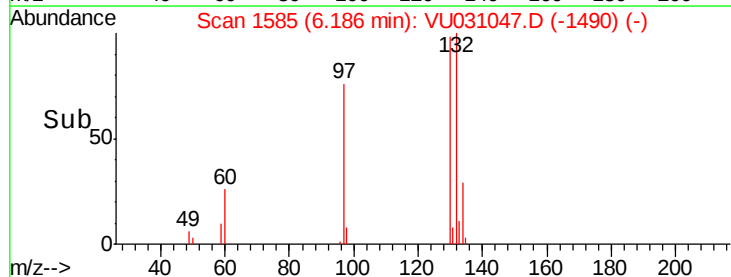
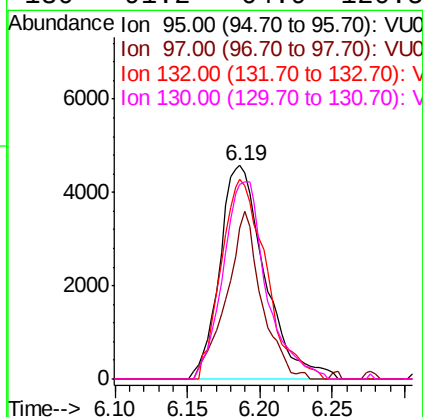
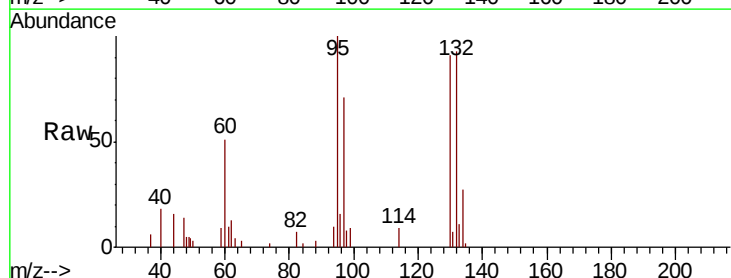
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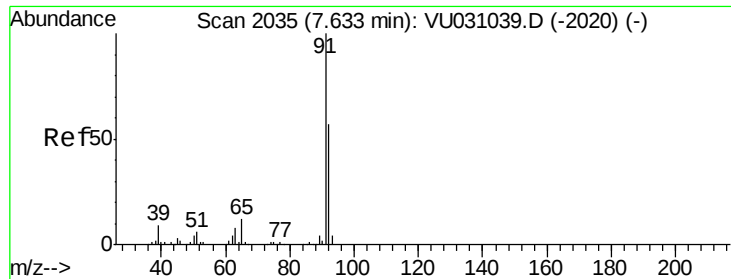
Tot Ion: 83 Resp: 14015
Ion Ratio Lower Upper
83 100
85 71.3 45.8 85.0



#34
Trichloroethene
Concen: 2.488 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU031047.D
Acq: 11 Apr 2019 06:32

Tgt Ion: 95 Resp: 9897
Ion Ratio Lower Upper
95 100
97 70.9 44.5 82.7
132 93.4 61.5 114.1
130 91.2 64.9 120.5





#42

Toluene

Concen: 4.669 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

Instrument :

MSVOA_U

ClientSampleId :

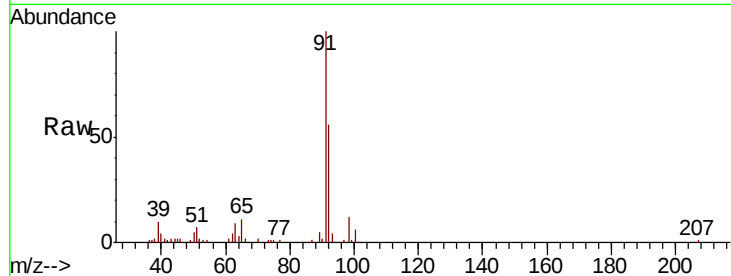
DB707

Tot Ion: 91 Resp: 77276

Ion Ratio Lower Upper

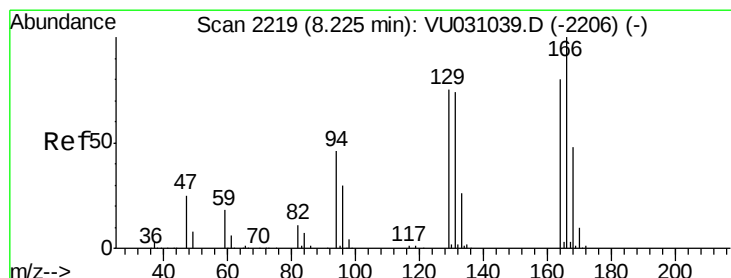
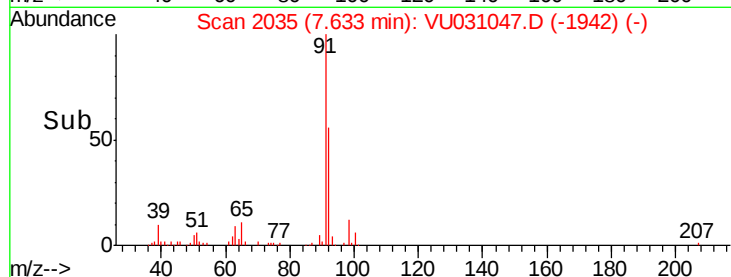
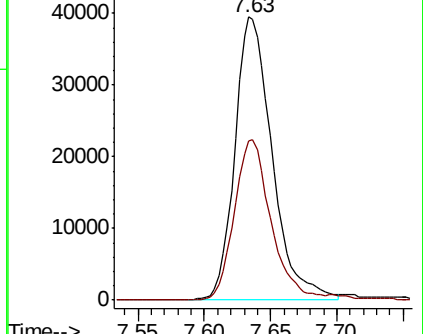
91 100

92 56.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031039.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031039.D (-2020) (-)



#46

Tetrachloroethene

Concen: 1.440 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031047.D

Acq: 11 Apr 2019 06:32

Tgt Ion:164 Resp: 4164

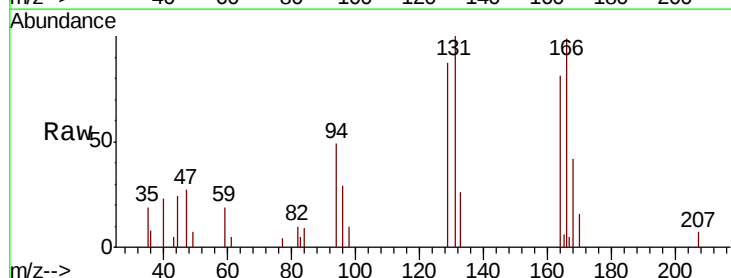
Ion Ratio Lower Upper

164 100

129 106.9 67.4 125.2

131 123.2 65.9 122.5#

166 121.5 88.6 164.6

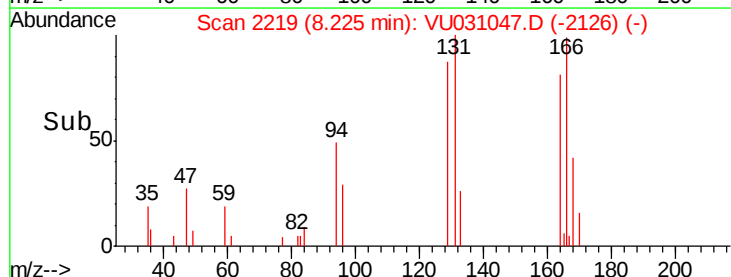
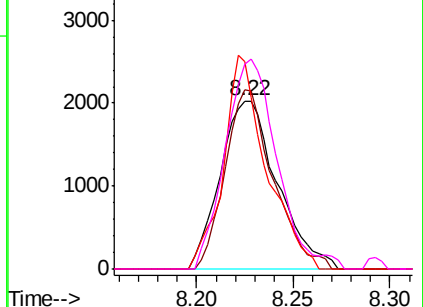


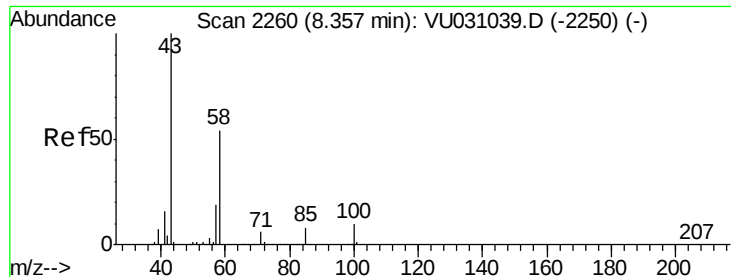
Abundance Ion 164.00 (163.70 to 164.70): VU031039.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031039.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031039.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031039.D (-2206) (-)

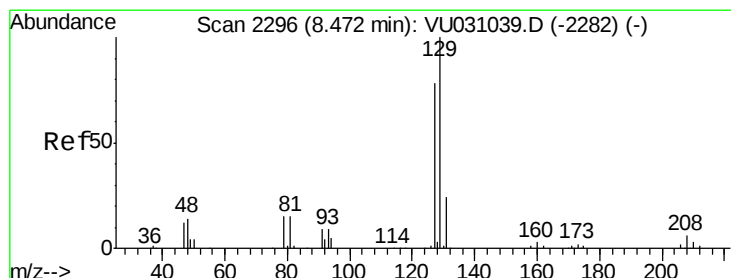
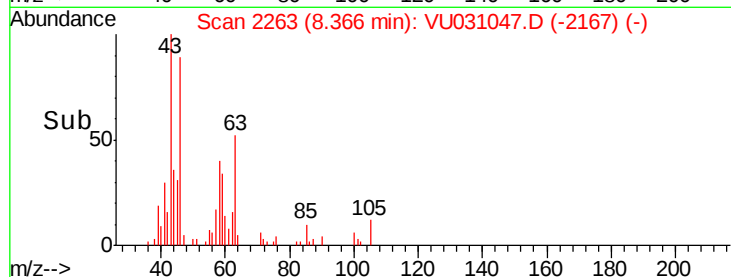
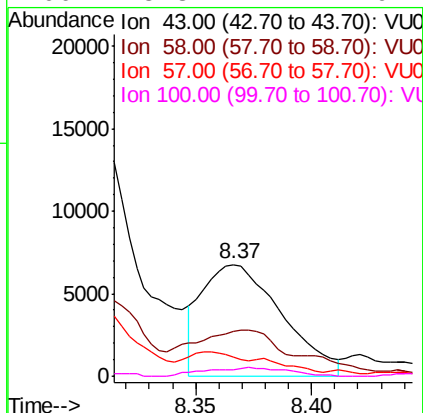
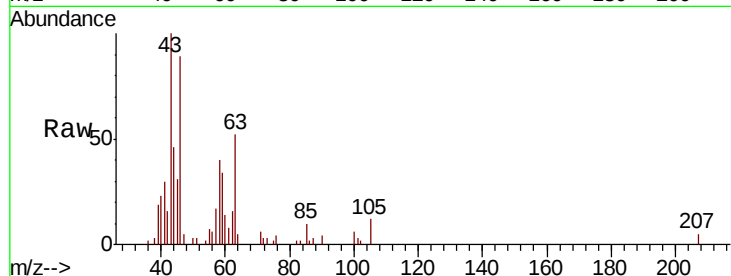




#48
2-Hexanone
Concen: 2.810 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031047.D
Acq: 11 Apr 2019 06:32

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Tot Ion: 43 Resp: 16189
Ion Ratio Lower Upper
43 100
58 20.4 41.9 62.9#
57 0.0 14.3 21.5#
100 5.3 7.1 10.7#



#49
Dibromochloromethane
Concen: 0.892 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU031047.D
Acq: 11 Apr 2019 06:32

Tgt Ion: 129 Resp: 3684
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#

