

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031163.D
 Acq On : 13 Apr 2019 17:50
 Operator : JC/SP
 Sample : K2341-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB738

Quant Time: Apr 13 22:31:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 22:25:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	418711	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	414468	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	182536	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.68%
7) Chloroethane-d5	1.68	69	145563	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.62%
11) 1,1-Dichloroethene-d2	2.27	63	252367	37.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.66%
21) 2-Butanone-d5	4.17	46	287588	97.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.08%
24) Chloroform-d	4.64	84	298291	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	5.30	65	203836	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
32) Benzene-d6	5.33	84	576944	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.32	67	197344	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.18%
41) Toluene-d8	7.56	98	496293	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%
43) trans-1,3-Dichloropropene-	7.85	79	84224	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.08%
47) 2-Hexanone-d5	8.31	63	162461	85.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	275713	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	175085	55.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

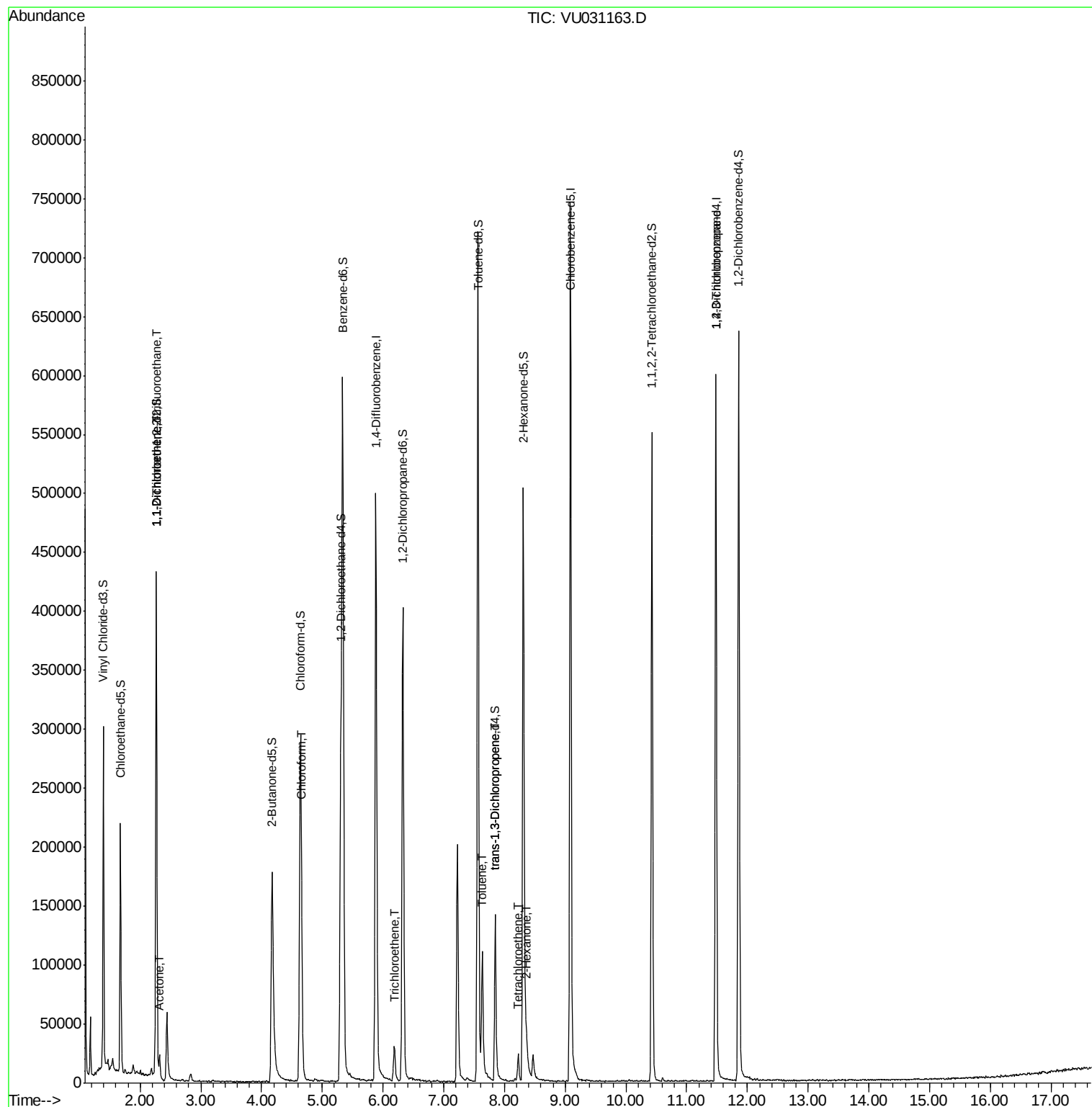
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2068	0.690	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	2202	0.761	ug/L #	1
13) Acetone	2.32	43	18578	6.129	ug/L	95
25) Chloroform	4.67	83	17873	2.804	ug/L	92
34) Trichloroethene	6.19	95	9149	2.750	ug/L	88
42) Toluene	7.64	91	85585	6.182	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3593	0.746	ug/L	92
46) Tetrachloroethene	8.23	164	5722	2.366	ug/L	82
48) 2-Hexanone	8.37	43	11903	2.470	ug/L #	94
59) 1,2,3-Trichloropropane	11.48	75	18973	4.125	ug/L	89

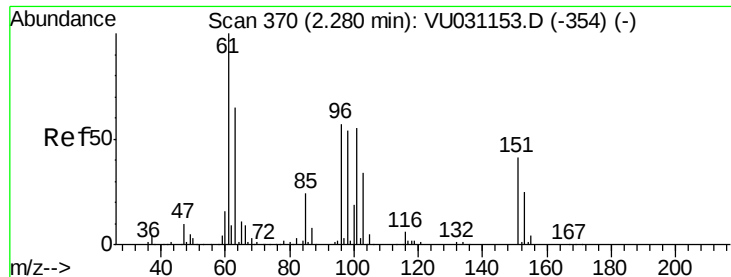
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 13 22:25:59 2019
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#10

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

Concen: 0.690 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031163.D

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Instrument :

MSVOA_U

ClientSampleId :

DB738

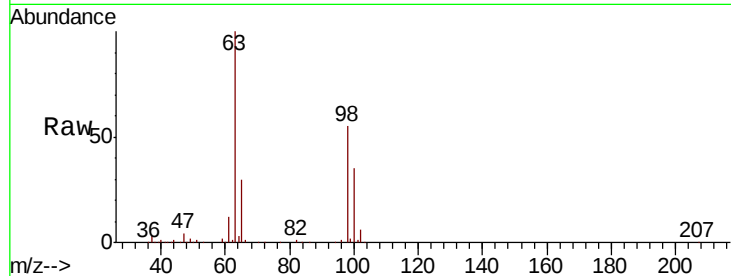
Tot Ion:101 Resp: 2068

Ion Ratio Lower Upper

101 100

85 2.4 36.8 55.2#

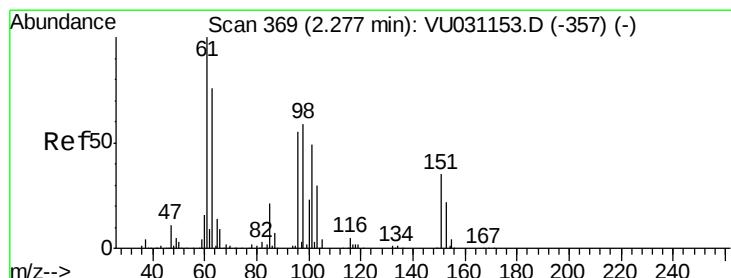
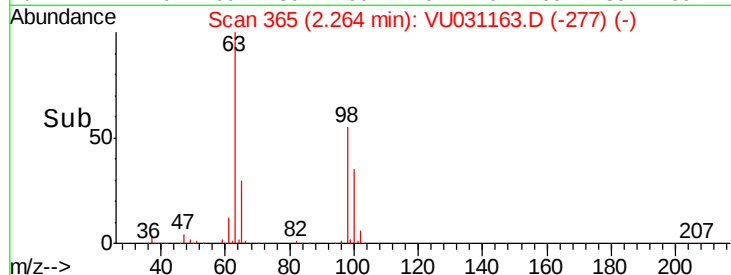
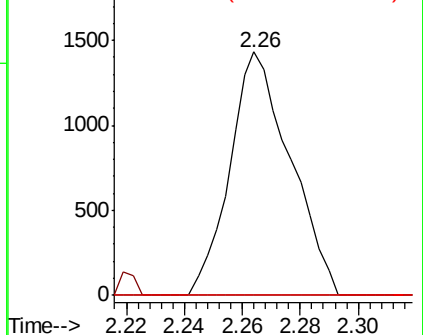
151 0.0 57.4 86.0#



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: 0.761 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

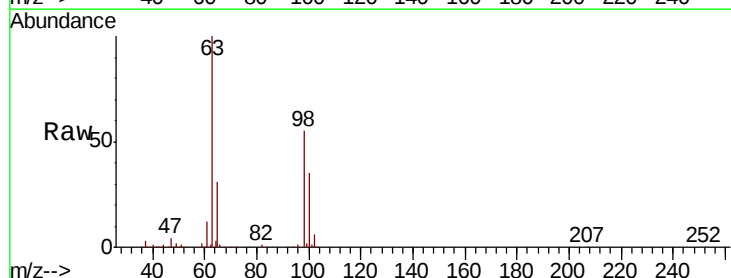
Tgt Ion: 96 Resp: 2202

Ion Ratio Lower Upper

96 100

61 1316.6 132.0 245.2#

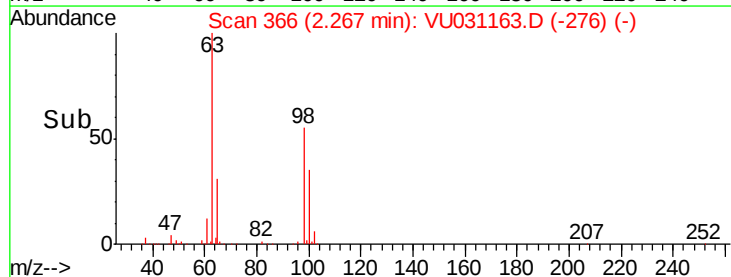
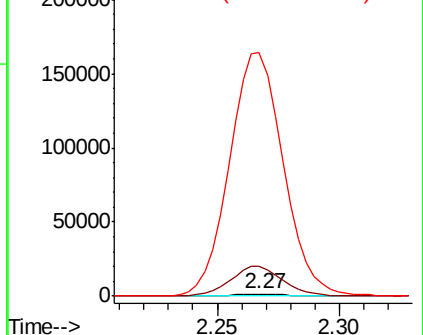
63 10832.7 90.9 168.9#

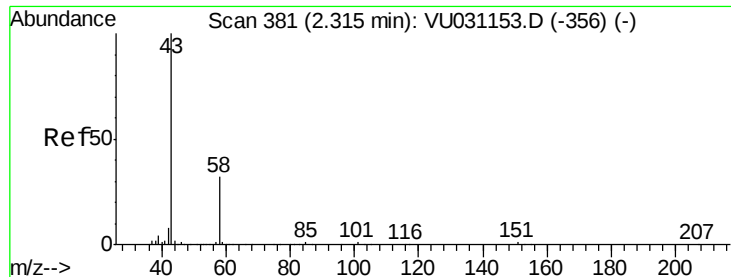


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.129 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

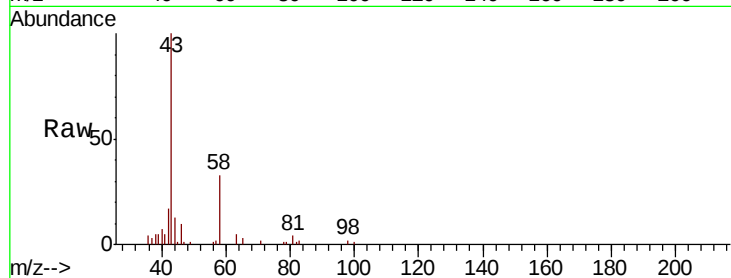
DB738

Tot Ion: 43 Resp: 18578

Ion Ratio Lower Upper

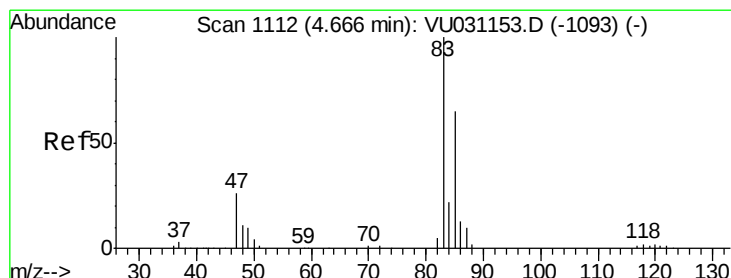
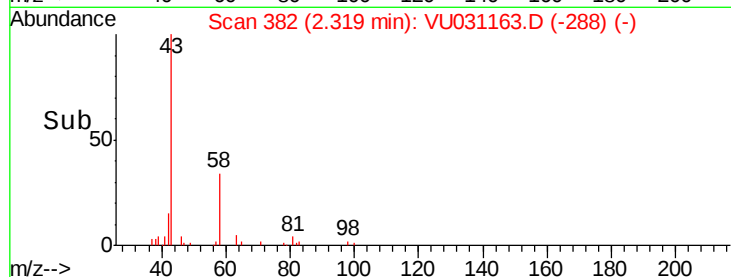
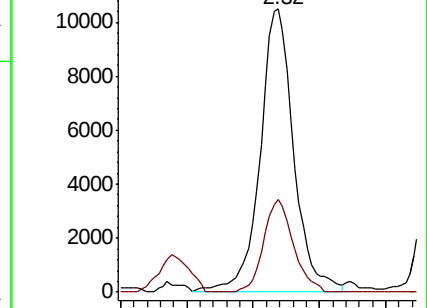
43 100

58 28.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031153.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU031153.D (-356) (-)



#25

Chloroform

Concen: 2.804 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU031163.D

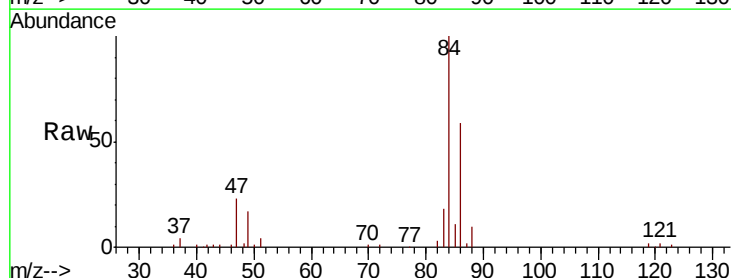
Acq: 13 Apr 2019 17:50

Tgt Ion: 83 Resp: 17873

Ion Ratio Lower Upper

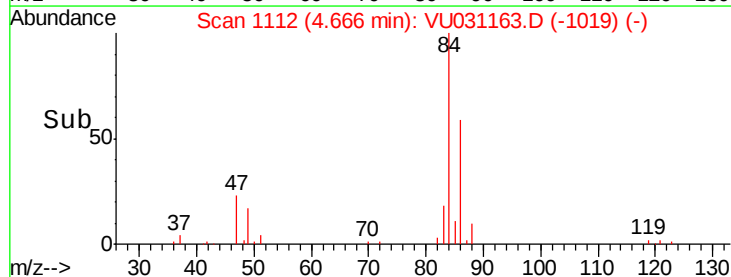
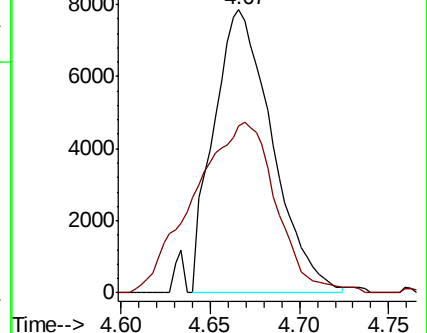
83 100

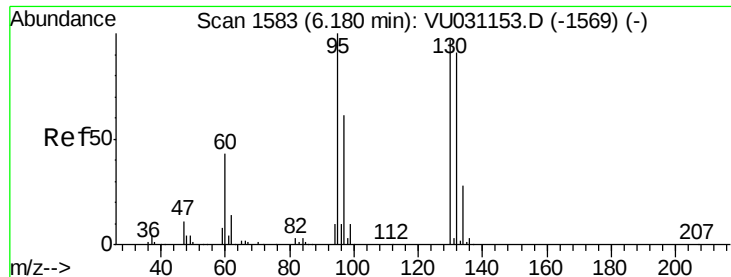
85 58.9 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031153.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031153.D (-1093) (-)





#34

Trichloroethene

Concen: 2.750 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031163.D

Acq: 13 Apr 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

DB738

Tot Ion: 95 Resp: 9149

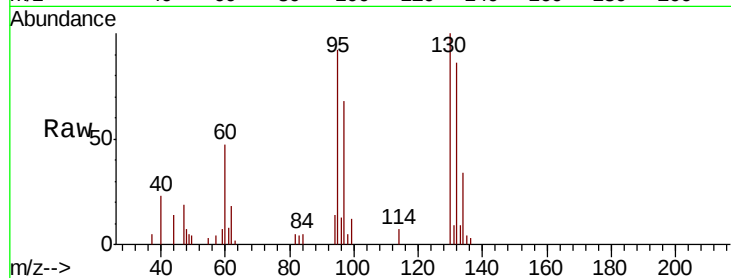
Ion Ratio Lower Upper

95 100

97 73.7 44.5 82.7

132 93.7 61.5 114.1

130 108.3 64.9 120.5

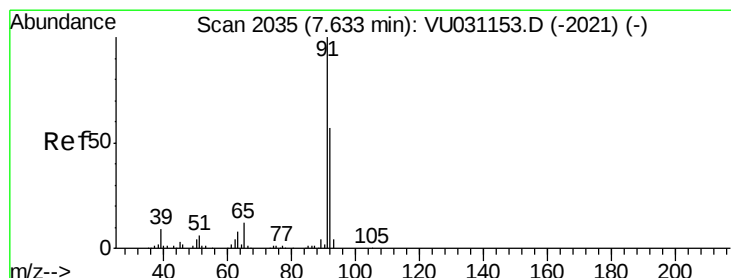
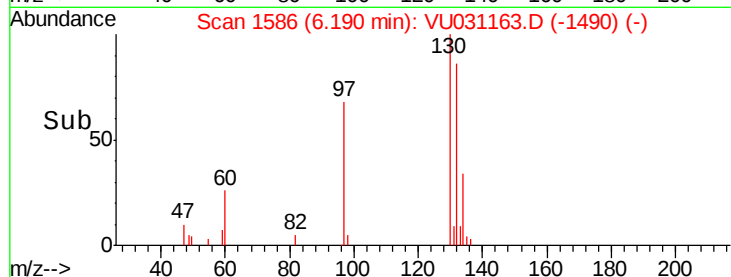
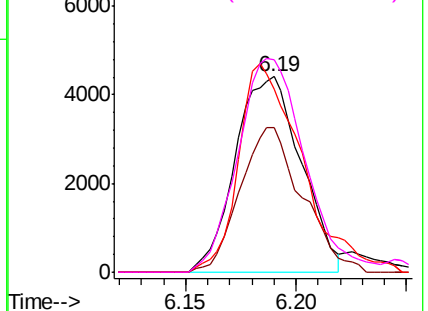


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 6.182 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031163.D

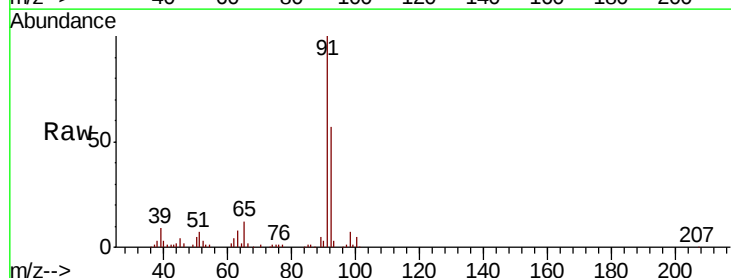
Acq: 13 Apr 2019 17:50

Tgt Ion: 91 Resp: 85585

Ion Ratio Lower Upper

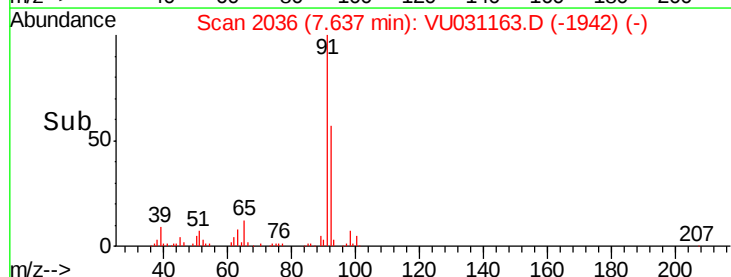
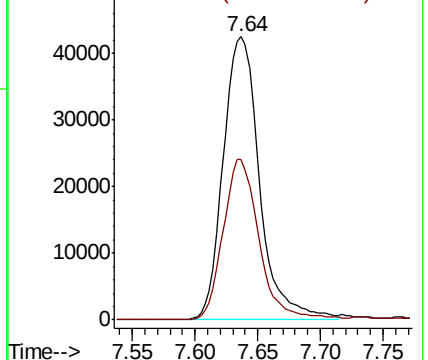
91 100

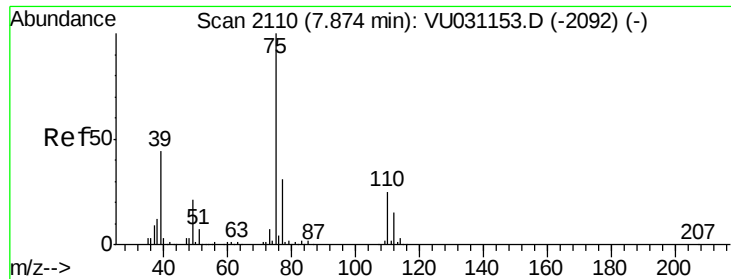
92 56.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

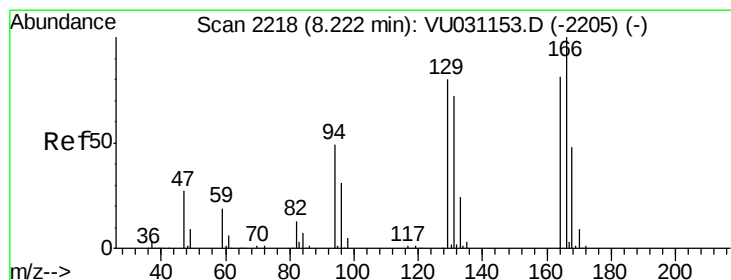
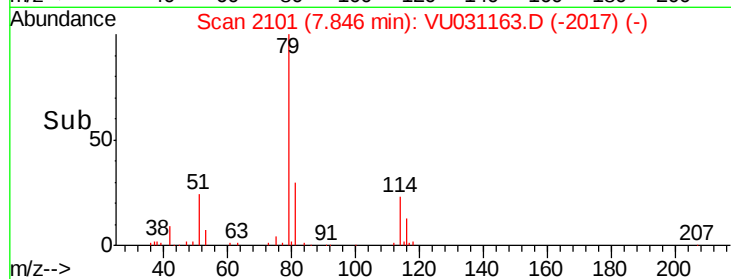
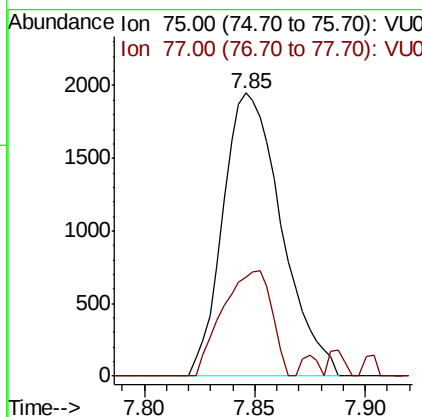
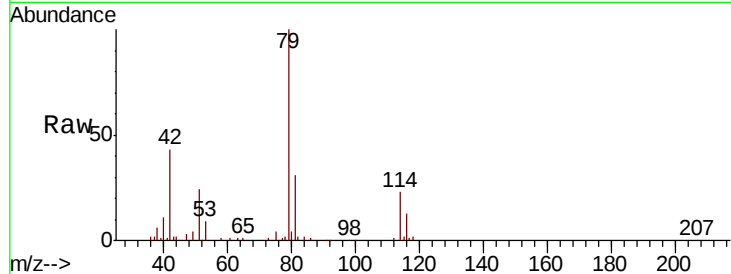




#44
trans-1,3-Dichloropropene
Concen: 0.746 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU031163.D
Acq: 13 Apr 2019 17:50

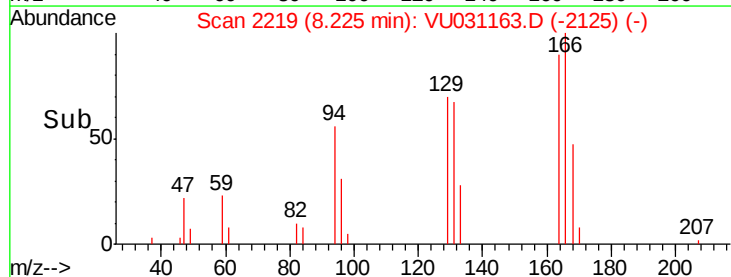
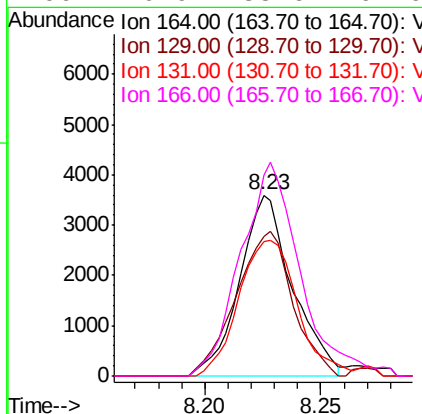
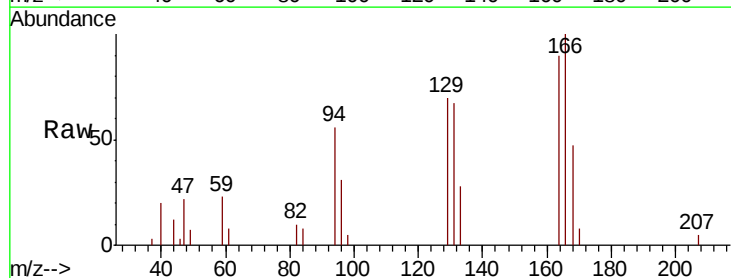
Instrument :
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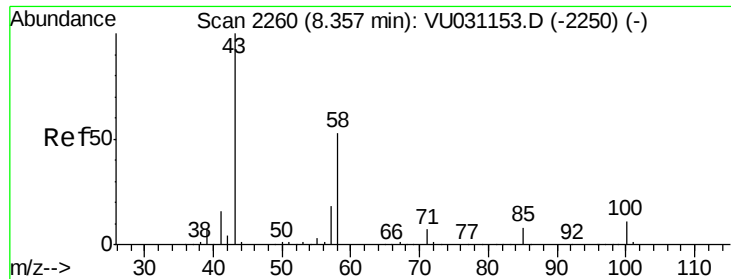
Tot Ion: 75 Resp: 3593
Ion Ratio Lower Upper
75 100
77 35.0 21.6 40.0



#46
Tetrachloroethene
Concen: 2.366 ug/L
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031163.D
Acq: 13 Apr 2019 17:50

Tgt Ion: 164 Resp: 5722
Ion Ratio Lower Upper
164 100
129 77.4 67.4 125.2
131 74.1 65.9 122.5
166 110.9 88.6 164.6

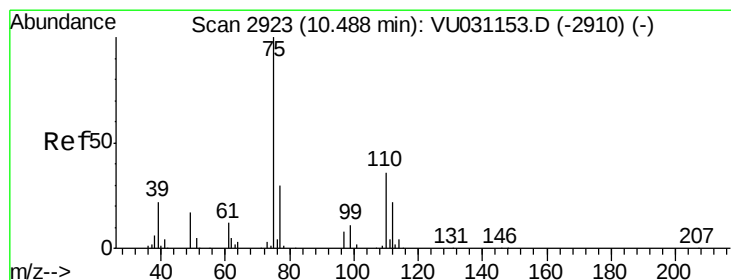
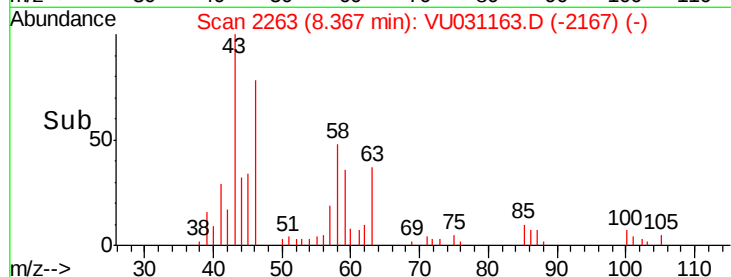
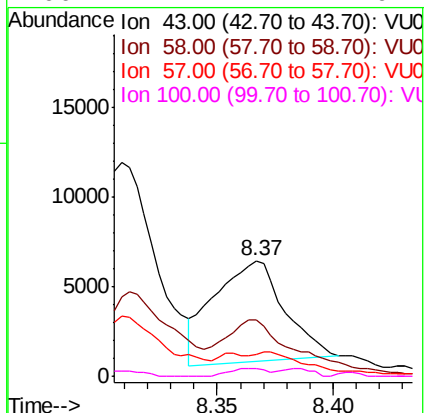
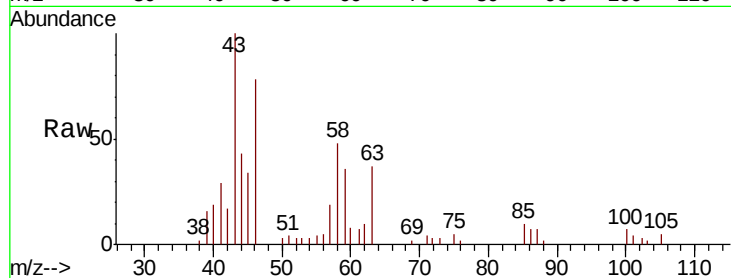




#48
2-Hexanone
Concen: 2.470 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031163.D
Acq: 13 Apr 2019 17:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	41.9	62.9
57	12.6	14.3	21.5#
100	4.1	7.1	10.7#



#59
1,2,3-Trichloropropane
Concen: 4.125 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031163.D
Acq: 13 Apr 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.7	26.1	39.1

