

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031590.D
 Acq On : 29 Apr 2019 16:41
 Operator : JC/SP
 Sample : K2536-22DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X10DL

Quant Time: Apr 30 01:59:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	663692	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	649739	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	236489	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	288167	51.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.76%
7) Chloroethane-d5	1.68	69	235666	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.27	63	438667	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.32%
21) 2-Butanone-d5	4.19	46	577342	114.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.72%
24) Chloroform-d	4.64	84	525924	51.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.31	65	368619	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.92%
32) Benzene-d6	5.34	84	1041907	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.32	67	373370	53.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.38%
41) Toluene-d8	7.56	98	851837	49.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.04%
43) trans-1,3-Dichloropropene-	7.85	79	146582	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.30%
47) 2-Hexanone-d5	8.31	63	331426	109.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	480103	50.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	264685	53.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.44%

Target Compounds

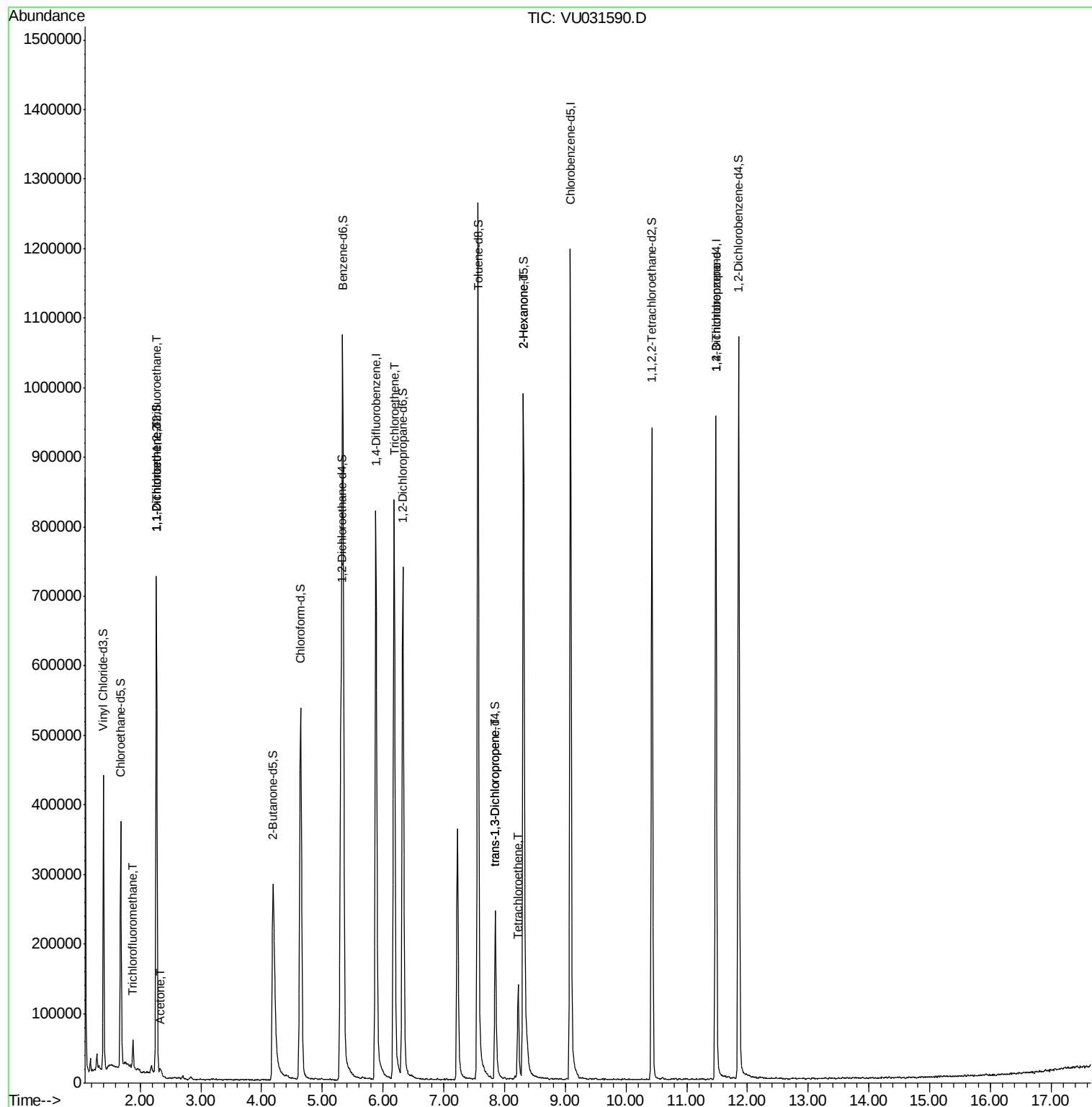
					Qvalue
9) Trichlorofluoromethane	1.88	101	18948	2.013 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3524	0.662 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	3106	0.600 ug/L #	1
13) Acetone	2.34	43	5022	0.886 ug/L	73
34) Trichloroethene	6.18	95	315460	54.478 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	6408	0.788 ug/L	98
46) Tetrachloroethene	8.22	164	30115	7.629 ug/L	98
48) 2-Hexanone	8.31	43	44158	5.233 ug/L #	80
59) 1,2,3-Trichloropropane	11.48	75	32767	4.075 ug/L #	88

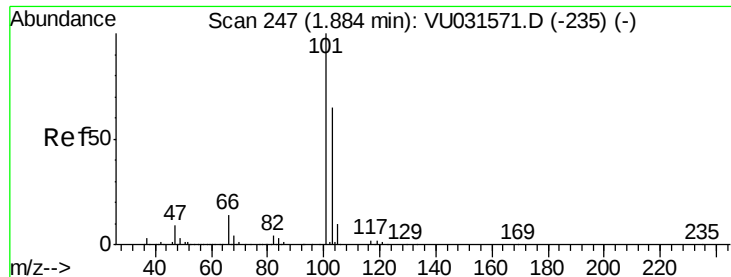
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 2.013 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031590.D

Acq: 29 Apr 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

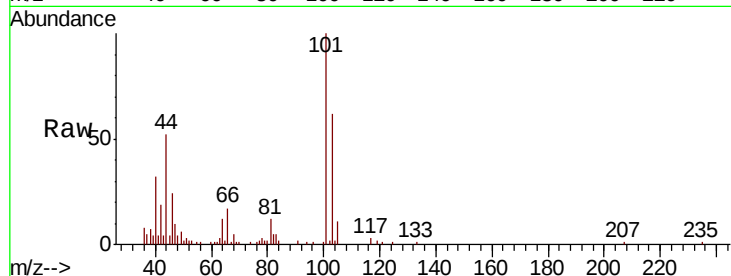
C0X10DL

Tgt Ion:101 Resp: 18948

Ion Ratio Lower Upper

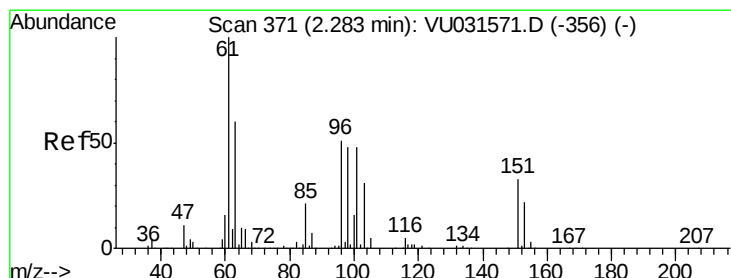
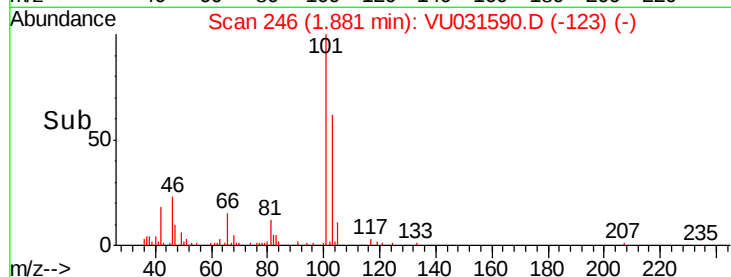
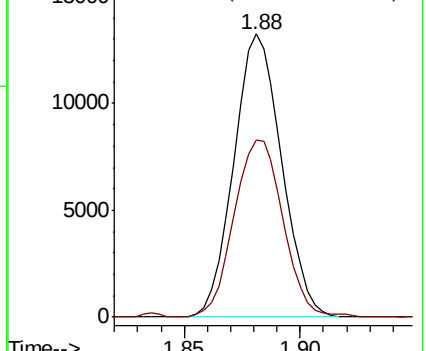
101 100

103 64.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.662 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031590.D

Acq: 29 Apr 2019 16:41

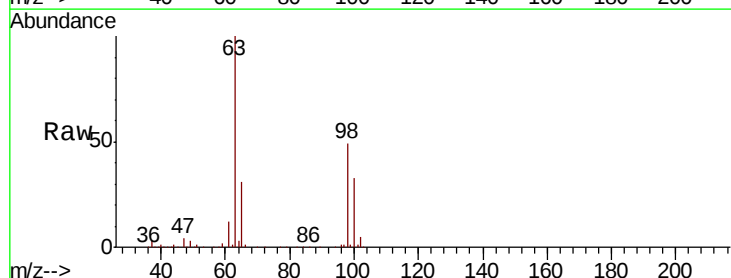
Tgt Ion:101 Resp: 3524

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

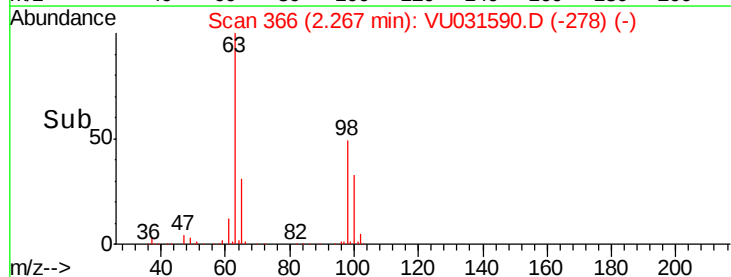
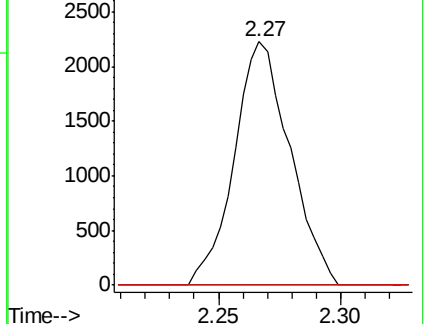
151 0.0 56.1 84.1#

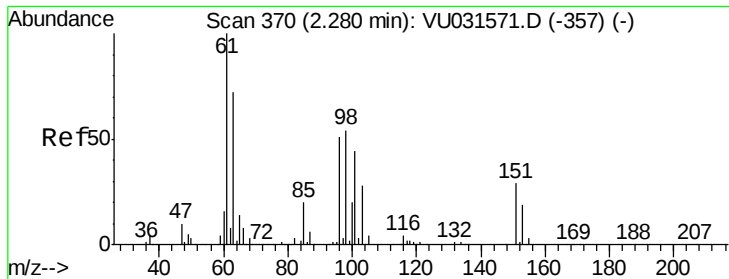


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.600 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031590.D

Acq: 29 Apr 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

C0X10DL

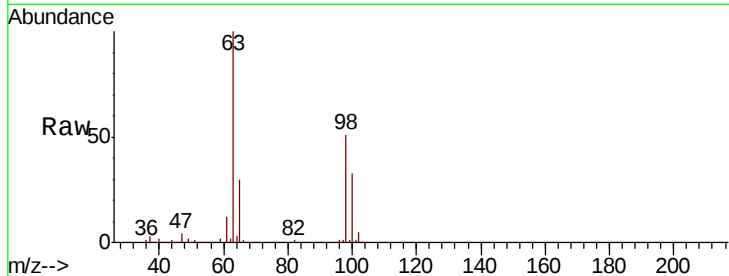
Tgt Ion: 96 Resp: 3106

Ion Ratio Lower Upper

96 100

61 1841.3 135.0 250.6#

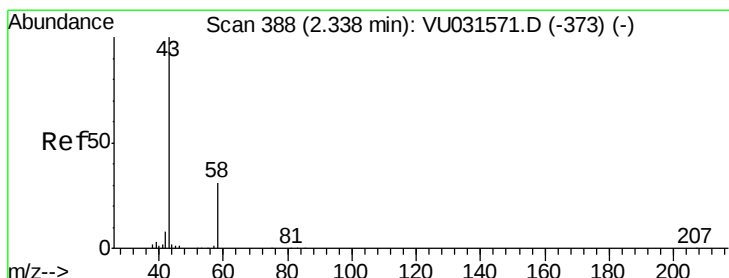
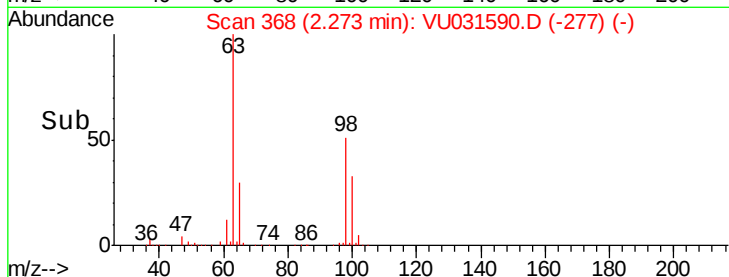
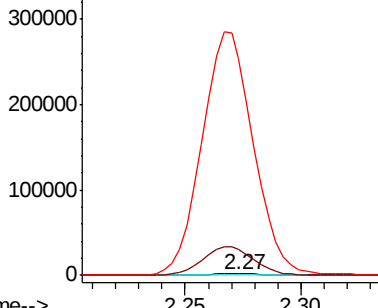
63 15350.7 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031590.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031590.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031590.D (-277) (-)



#13

Acetone

Concen: 0.886 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031590.D

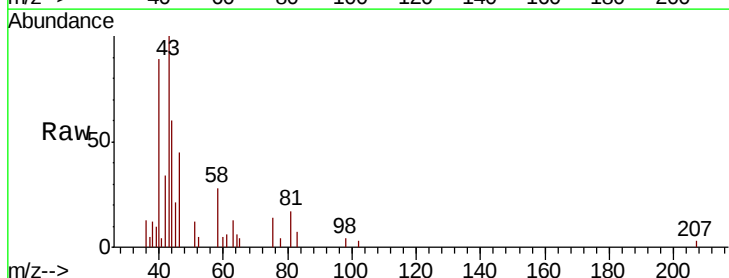
Acq: 29 Apr 2019 16:41

Tgt Ion: 43 Resp: 5022

Ion Ratio Lower Upper

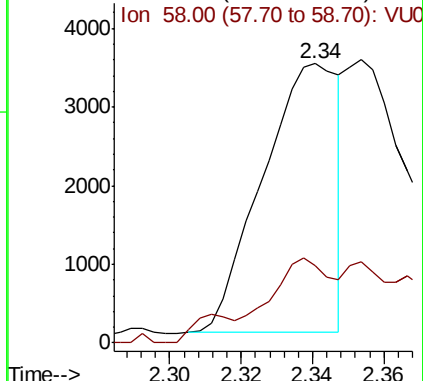
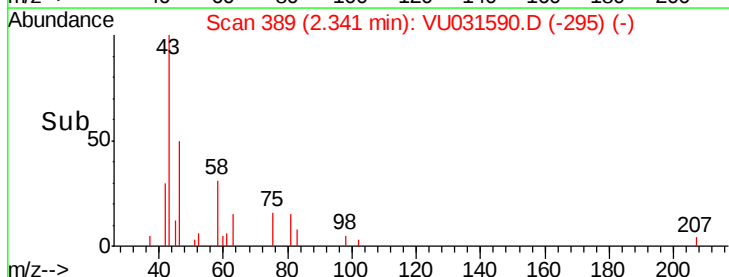
43 100

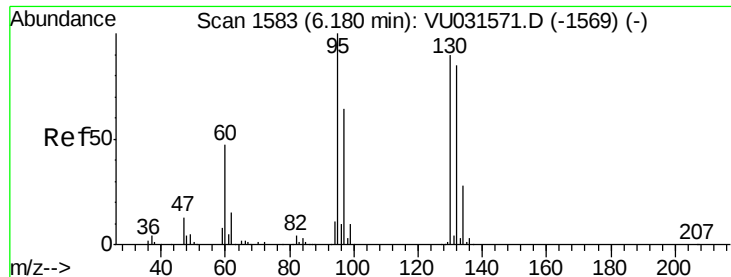
58 17.3 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031590.D (-295) (-)

Ion 58.00 (57.70 to 58.70): VU031590.D (-295) (-)





#34

Trichloroethene

Concen: 54.478 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031590.D

Acq: 29 Apr 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

C0X10DL

Tgt Ion: 95 Resp: 315460

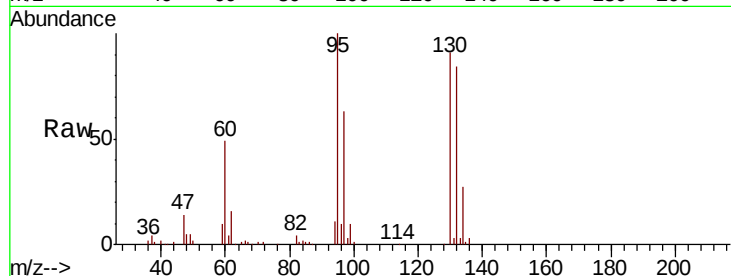
Ion Ratio Lower Upper

95 100

97 62.8 44.8 83.2

132 84.1 63.1 117.1

130 91.0 66.5 123.5



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

200000

150000

100000

50000

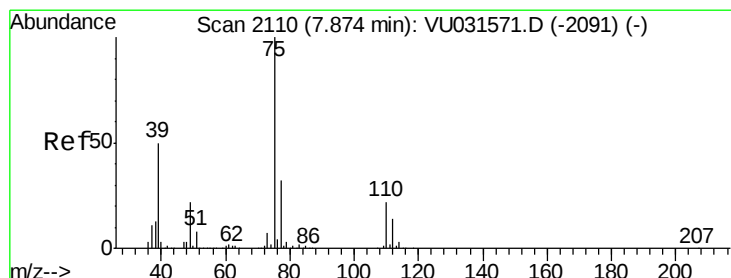
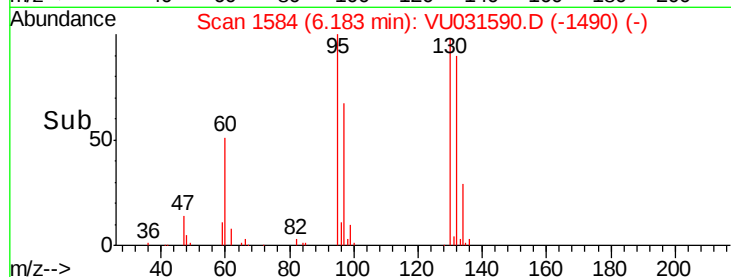
0

6.10

6.20

6.30

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.788 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031590.D

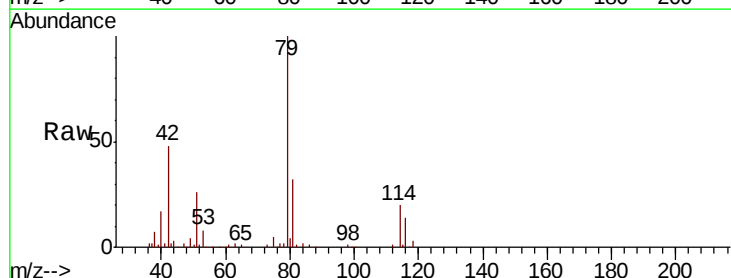
Acq: 29 Apr 2019 16:41

Tgt Ion: 75 Resp: 6408

Ion Ratio Lower Upper

75 100

77 32.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

4000

3000

2000

1000

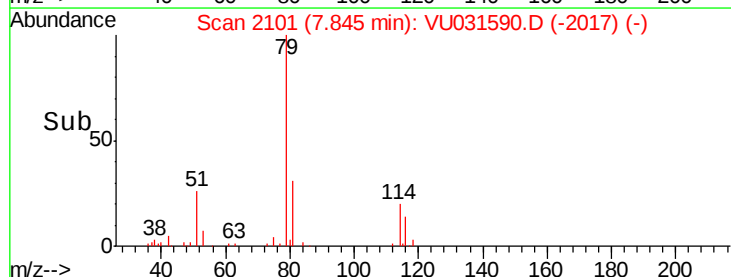
0

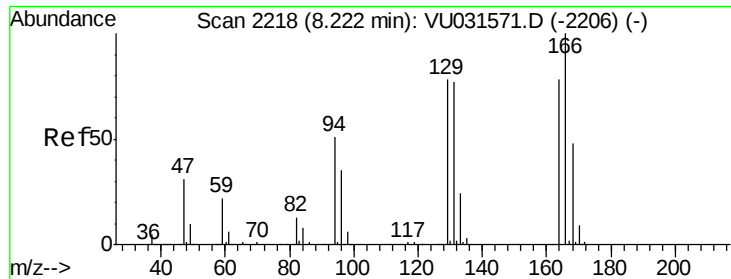
7.80

7.85

7.90

Time-->

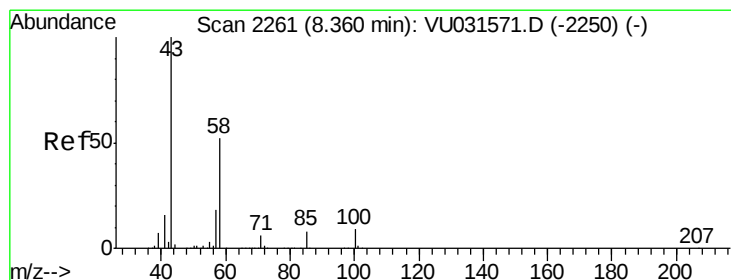
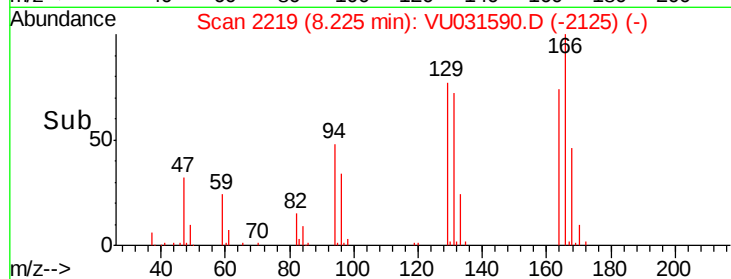
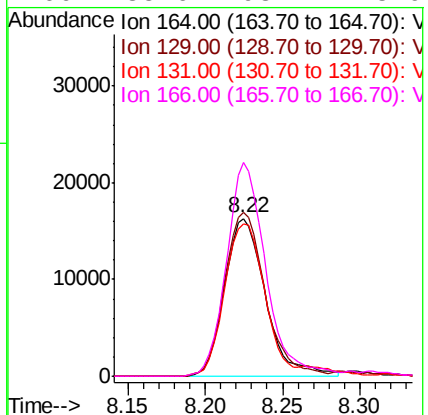
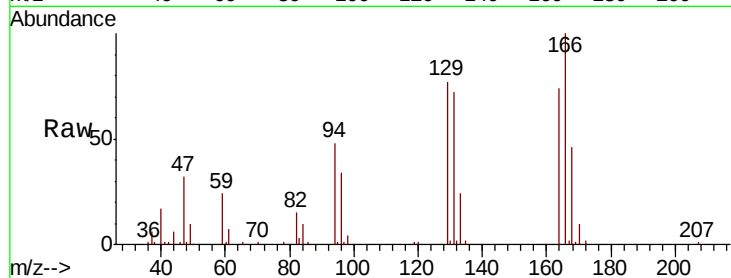




#46
Tetrachloroethene
Concen: 7.629 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031590.D
Acq: 29 Apr 2019 16:41

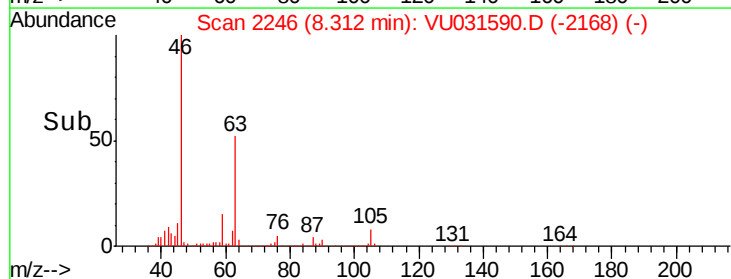
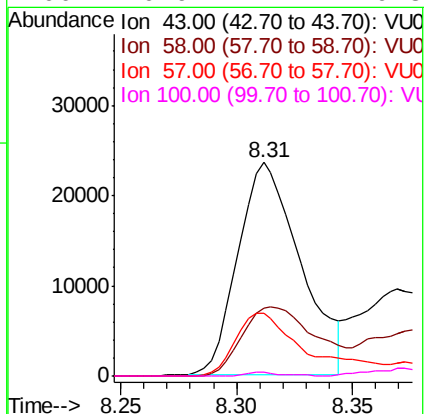
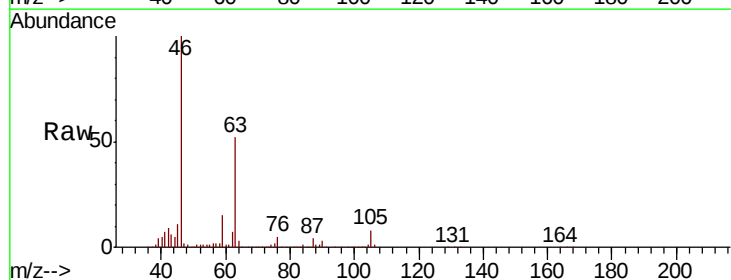
Instrument :
MSVOA_U
ClientSampleId :
C0X10DL

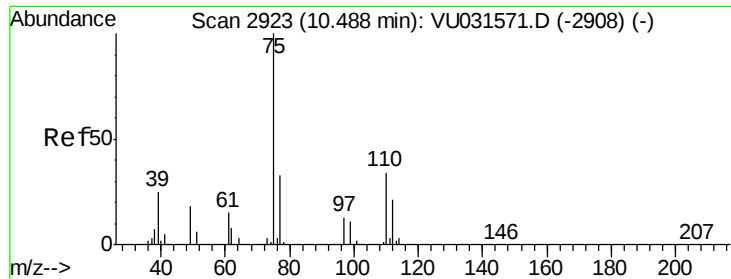
Tgt Ion:	164	Resp:	30115
Ion	Ratio	Lower	Upper
164	100		
129	104.2	71.5	132.9
131	97.1	69.0	128.2
166	135.6	93.7	173.9



#48
2-Hexanone
Concen: 5.233 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU031590.D
Acq: 29 Apr 2019 16:41

Tgt Ion:	43	Resp:	44158
Ion	Ratio	Lower	Upper
43	100		
58	38.5	42.1	63.1#
57	27.2	14.6	22.0#
100	0.9	7.2	10.8#





#59

1,2,3-Trichloropropane

Concen: 4.075 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031590.D

Acq: 29 Apr 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

C0X10DL

Tgt Ion: 75 Resp: 32767

Ion Ratio Lower Upper

75 100

77 39.1 25.9 38.9#

