

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031064.D
 Acq On : 11 Apr 2019 13:03
 Operator : JC/SP
 Sample : K2339-02 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC51

Quant Time: Apr 12 03:13:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	473744	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	466520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	203266	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	204432	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.68%
7) Chloroethane-d5	1.68	69	166708	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.88%
11) 1,1-Dichloroethene-d2	2.27	63	277709	36.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.62%
21) 2-Butanone-d5	4.17	46	344575	102.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.81%
24) Chloroform-d	4.64	84	340265	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
26) 1,2-Dichloroethane-d4	5.31	65	240241	54.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.00%
32) Benzene-d6	5.33	84	696847	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.34%
36) 1,2-Dichloropropane-d6	6.32	67	241788	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.60%
41) Toluene-d8	7.56	98	609684	50.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.02%
43) trans-1,3-Dichloropropene-	7.85	79	101783	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.31	63	199850	93.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	326187	51.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	219751	54.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.94%

Target Compounds

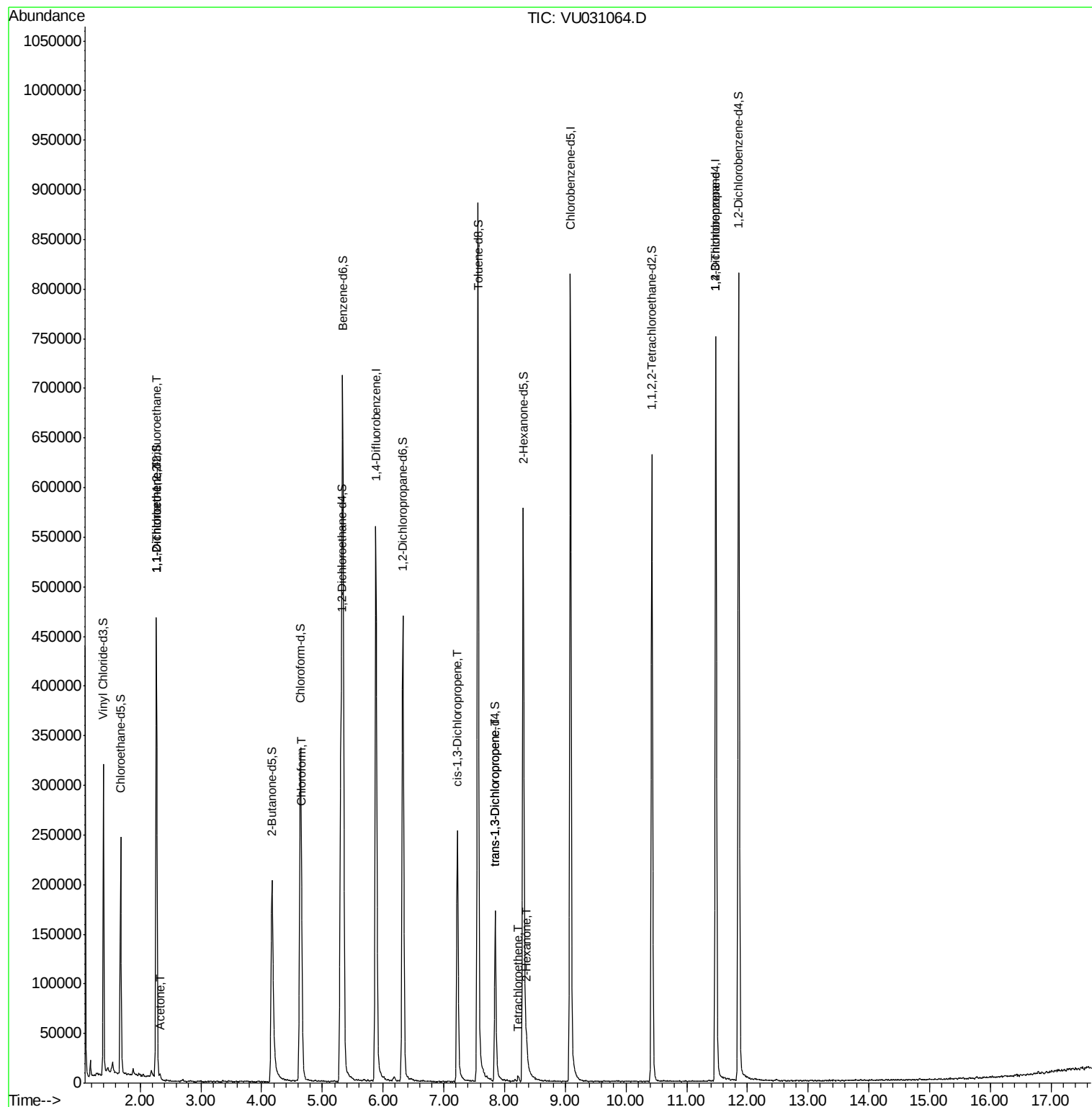
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2525	0.744	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2077	0.634	ug/L #	1
13) Acetone	2.32	43	1775	0.518	ug/L	90
25) Chloroform	4.67	83	9205	1.276	ug/L	94
39) cis-1,3-Dichloropropene	7.22	75	6240	1.014	ug/L #	81
44) trans-1,3-Dichloropropene	7.85	75	4289	0.791	ug/L	94
46) Tetrachloroethene	8.23	164	1339	0.492	ug/L	87
48) 2-Hexanone	8.36	43	13764	2.538	ug/L #	93
59) 1,2,3-Trichloropropane	11.48	75	24088	4.653	ug/L	90

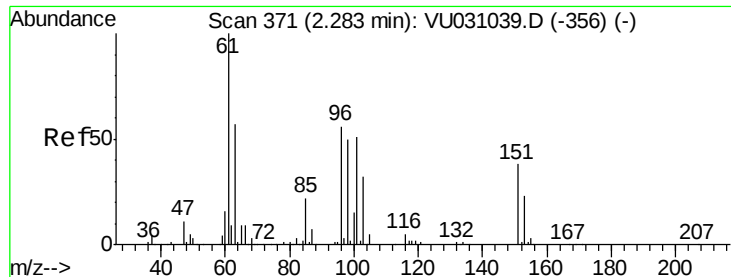
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 03:03:54 2019
Response via : Initial Calibration





#10

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

Concen: 0.744 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031064.D

Acq: 11 Apr 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

BFC51

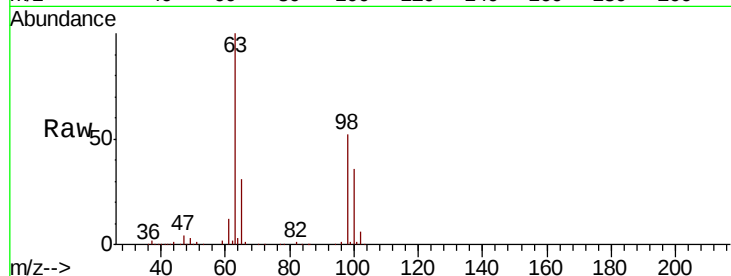
Tot Ion:101 Resp: 2525

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

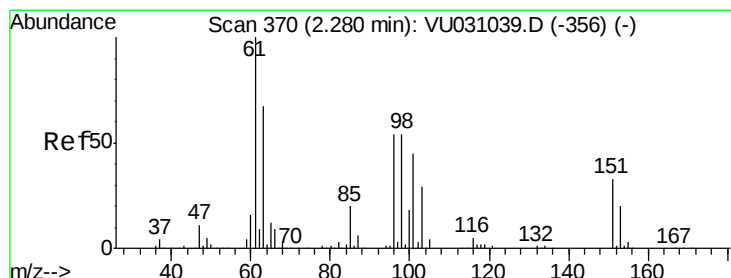
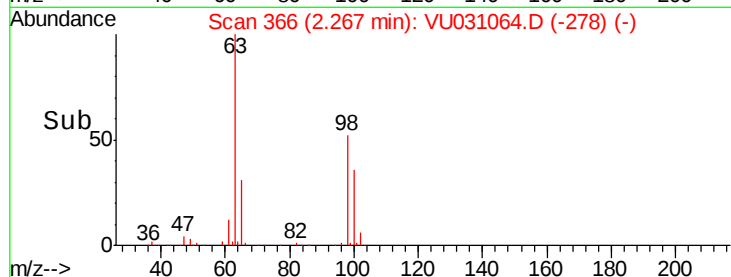
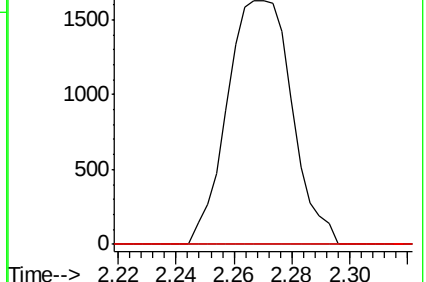
151 0.0 57.4 86.0#



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: 0.634 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031064.D

Acq: 11 Apr 2019 13:03

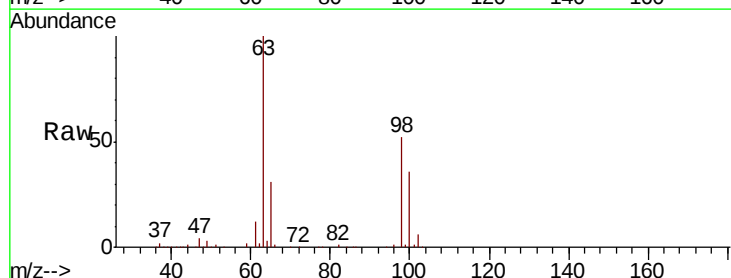
Tgt Ion: 96 Resp: 2077

Ion Ratio Lower Upper

96 100

61 1646.8 132.0 245.2#

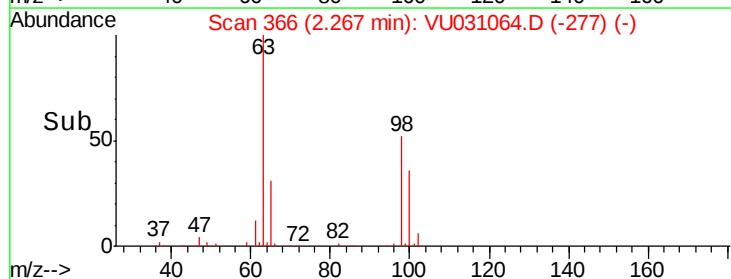
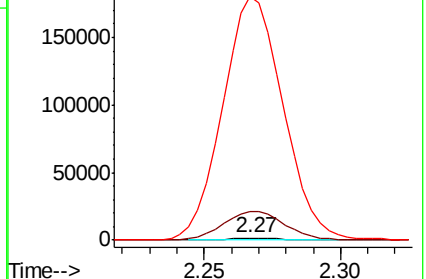
63 14069.0 90.9 168.9#

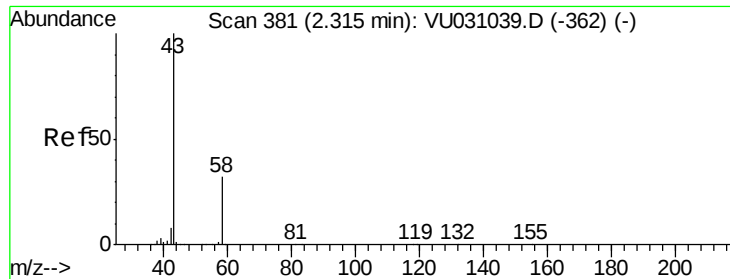


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.518 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031064.D

Acq: 11 Apr 2019 13:03

Instrument :

MSVOA_U

ClientSampled :

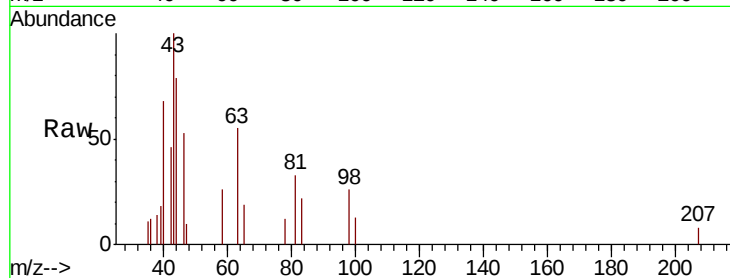
BFC51

Tot Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

58 26.6 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

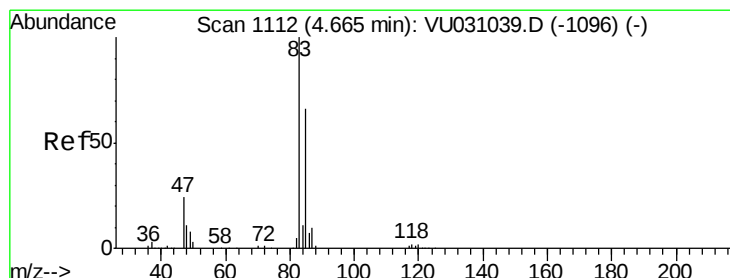
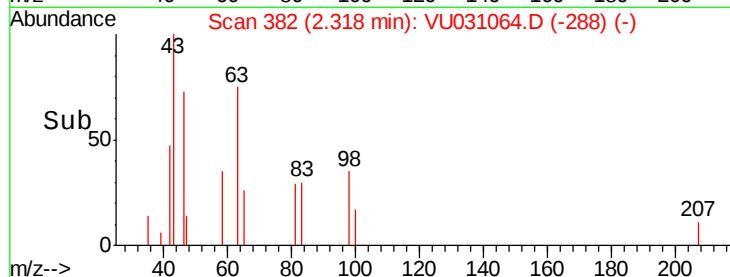
1500

1000

500

0

Time--> 2.28 2.30 2.32 2.34



#25

Chloroform

Concen: 1.276 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU031064.D

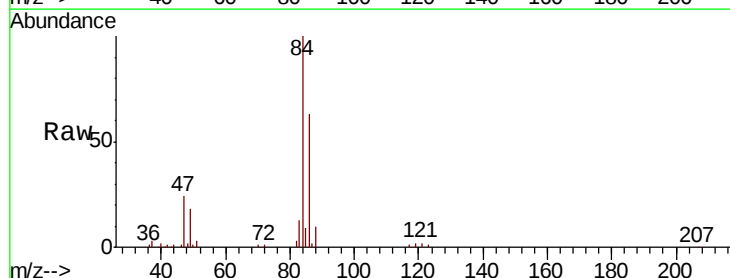
Acq: 11 Apr 2019 13:03

Tgt Ion: 83 Resp: 9205

Ion Ratio Lower Upper

83 100

85 70.3 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031039.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU031039.D (-1096) (-)

4.67

8000

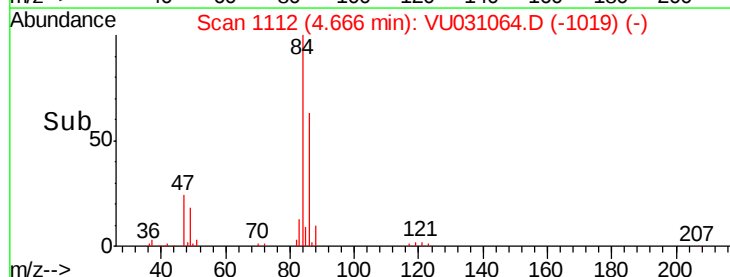
6000

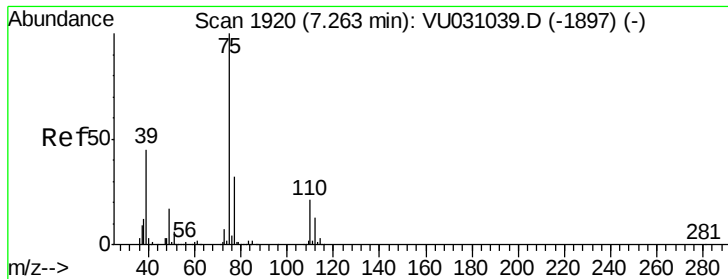
4000

2000

0

Time--> 4.64 4.66 4.68





#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031064.D

Acq: 11 Apr 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

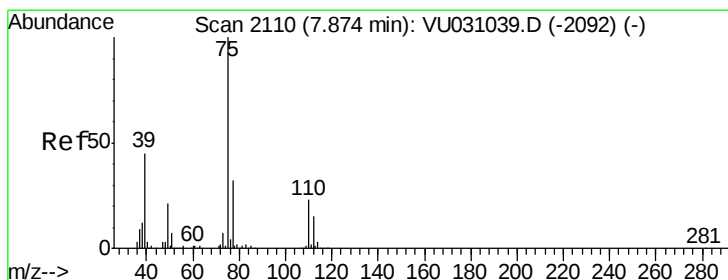
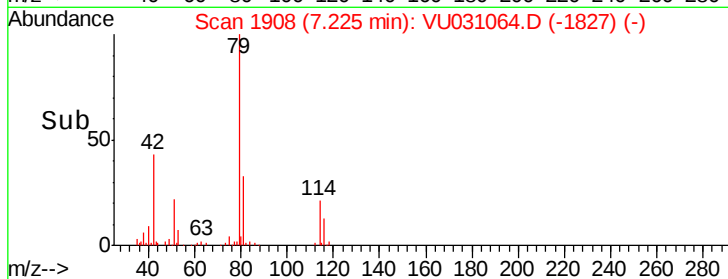
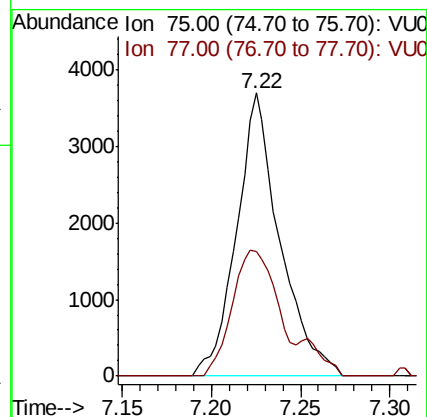
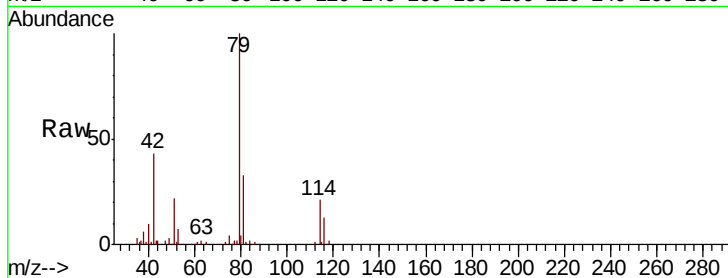
BFC51

Tot Ion: 75 Resp: 6240

Ion Ratio Lower Upper

75 100

77 44.0 23.1 42.9#



#44

trans-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031064.D

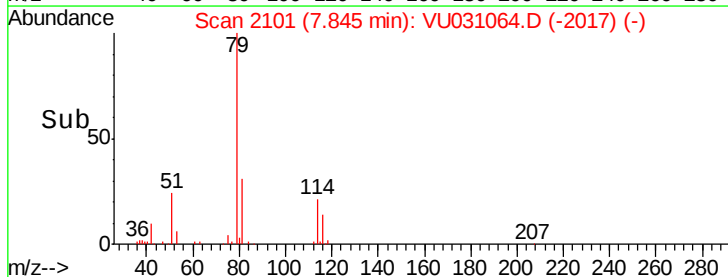
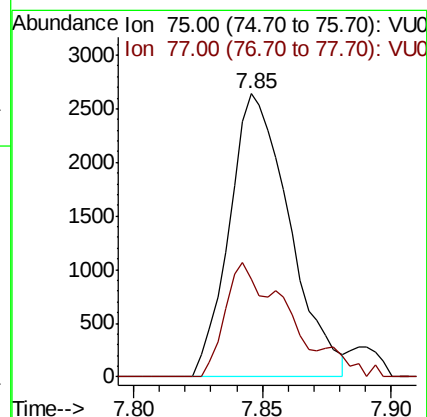
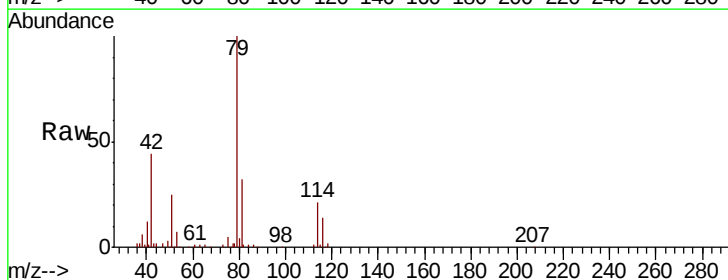
Acq: 11 Apr 2019 13:03

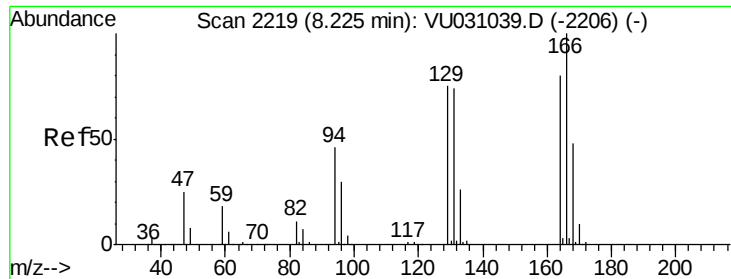
Tgt Ion: 75 Resp: 4289

Ion Ratio Lower Upper

75 100

77 34.3 21.6 40.0

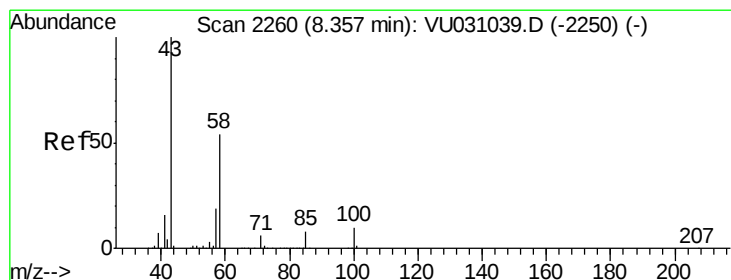
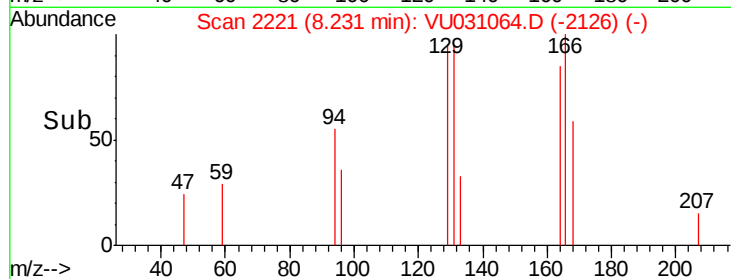
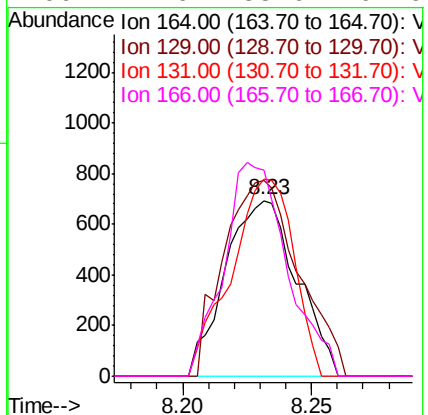
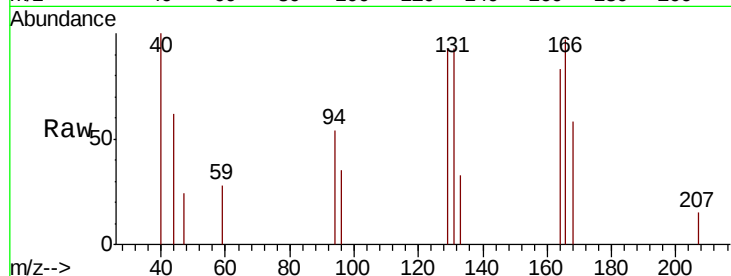




#46
Tetrachloroethene
Concen: 0.492 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. 0.01 min
Lab File: VU031064.D
Acq: 11 Apr 2019 13:03

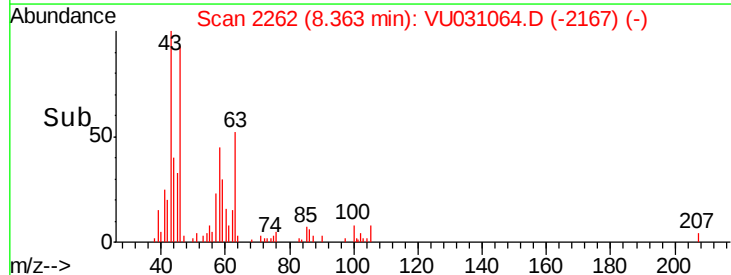
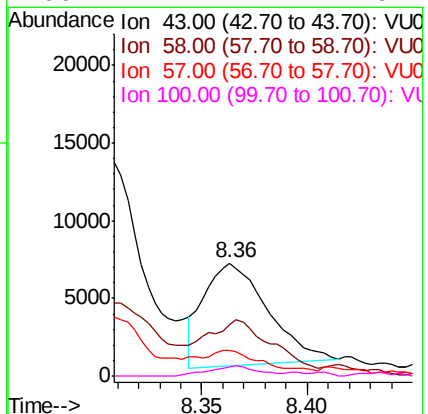
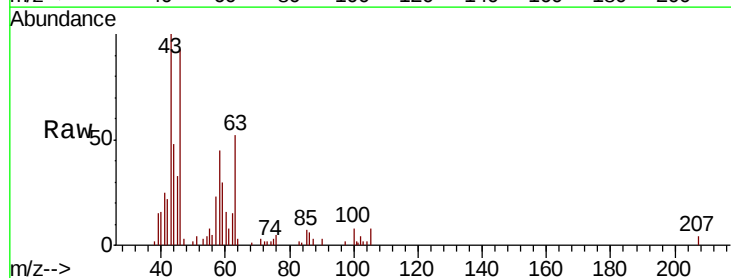
Instrument :
MSVOA_U
ClientSampleId :
BFC51

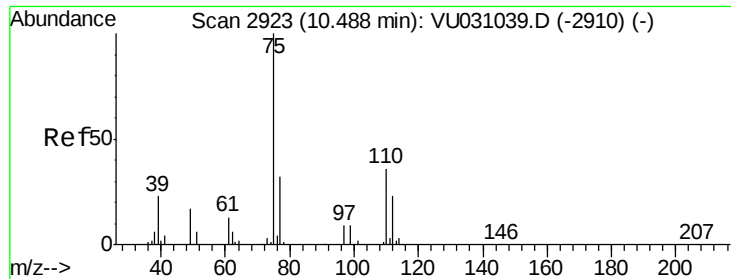
Tot Ion:164 Resp: 1339
Ion Ratio Lower Upper
164 100
129 111.8 67.4 125.2
131 112.1 65.9 122.5
166 117.6 88.6 164.6



#48
2-Hexanone
Concen: 2.538 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031064.D
Acq: 11 Apr 2019 13:03

Tgt Ion: 43 Resp: 13764
Ion Ratio Lower Upper
43 100
58 56.1 41.9 62.9
57 12.3 14.3 21.5#
100 7.7 7.1 10.7





#59

1,2,3-Trichloropropane

Concen: 4.653 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031064.D

Acq: 11 Apr 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

BFC51

Tot Ion: 75 Resp: 24088

Ion Ratio Lower Upper

75 100

77 38.2 26.1 39.1

