

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031171.D
 Acq On : 13 Apr 2019 20:54
 Operator : JC/SP
 Sample : K2353-07 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ63

Quant Time: Apr 13 22:32:58 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	481593	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	470595	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	185661	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175212	40.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.52%
7) Chloroethane-d5	1.68	69	146535	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.82%
11) 1,1-Dichloroethene-d2	2.27	63	246921	31.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.52%
21) 2-Butanone-d5	4.17	46	332948	97.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	4.64	84	314500	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
26) 1,2-Dichloroethane-d4	5.31	65	215048	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.33	84	640181	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.33	67	220109	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.50%
41) Toluene-d8	7.56	98	548058	45.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.02%
43) trans-1,3-Dichloropropene-	7.85	79	92345	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.02%
47) 2-Hexanone-d5	8.31	63	192098	89.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308128	48.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	193060	52.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.74%

Target Compounds

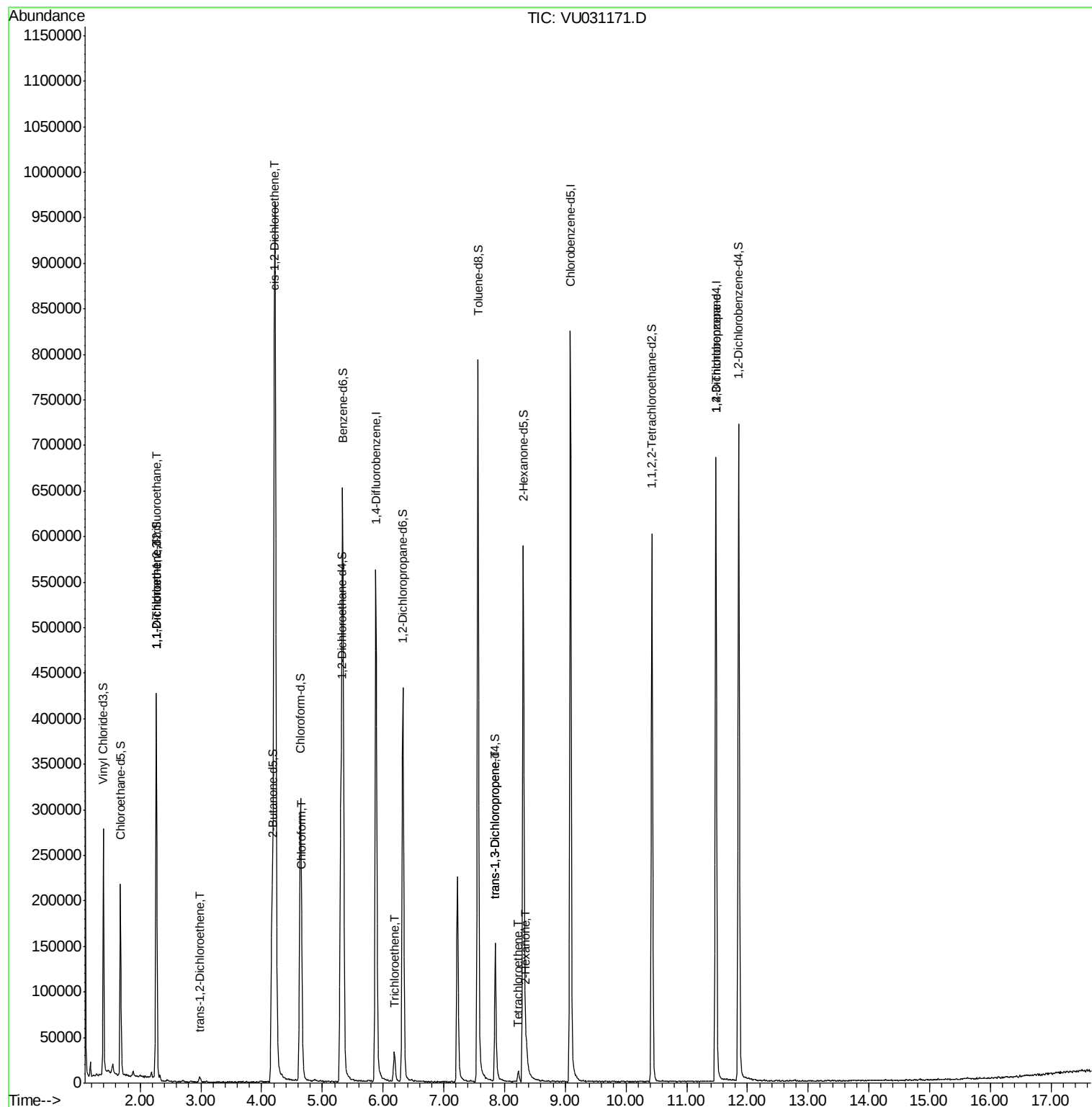
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2359	0.684 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	3235	0.972 ug/L #	1
17) trans-1,2-Dichloroethene	2.98	96	2641	0.747 ug/L	79
20) cis-1,2-Dichloroethene	4.22	96	535305	137.156 ug/L	90
25) Chloroform	4.67	83	16480	2.248 ug/L	99
34) Trichloroethene	6.19	95	12538	3.319 ug/L	82
44) trans-1,3-Dichloropropene	7.85	75	3499	0.640 ug/L	89
46) Tetrachloroethene	8.23	164	2095	0.763 ug/L	95
48) 2-Hexanone	8.36	43	14758	2.698 ug/L #	85
59) 1,2,3-Trichloropropane	11.48	75	20692	3.962 ug/L	89

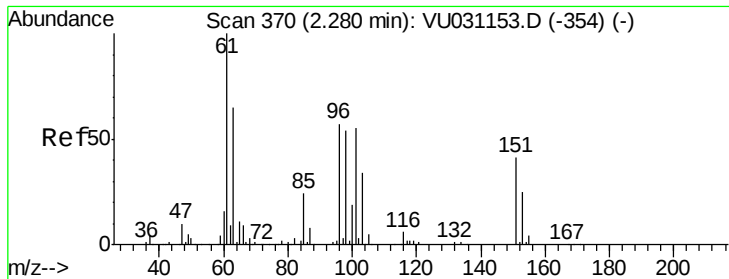
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 13 22:32:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 22:25:59 2019
Response via : Initial Calibration





#10

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

Concen: 0.684 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

ETJ63

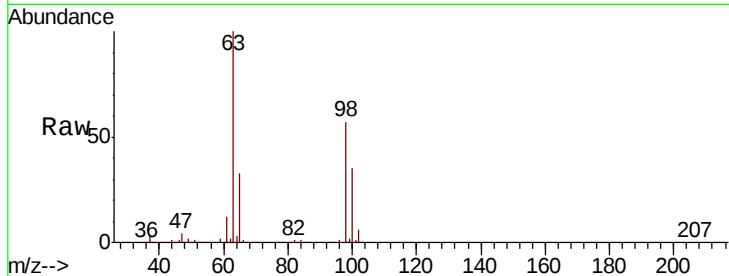
Tot Ion:101 Resp: 2359

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

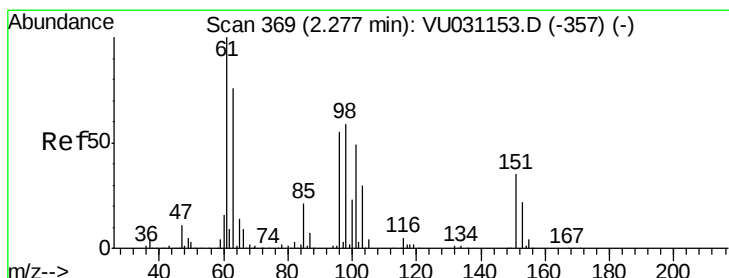
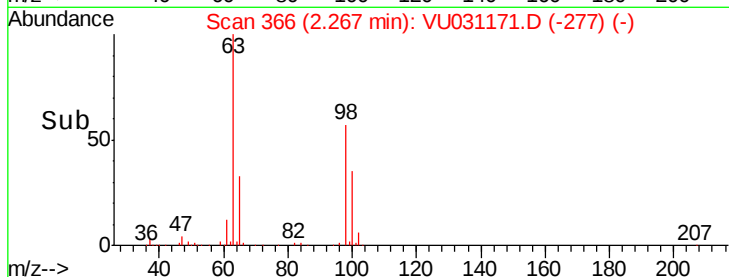
1500

1000

500

0

Time--> 2.22 2.24 2.26 2.28 2.30



#12

1,1-Dichloroethene

Concen: 0.972 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

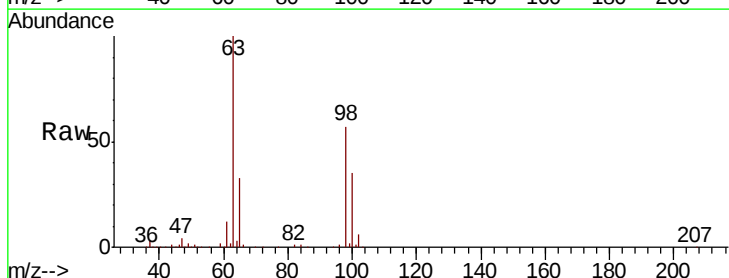
Tgt Ion: 96 Resp: 3235

Ion Ratio Lower Upper

96 100

61 952.0 132.0 245.2#

63 8117.1 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

200000

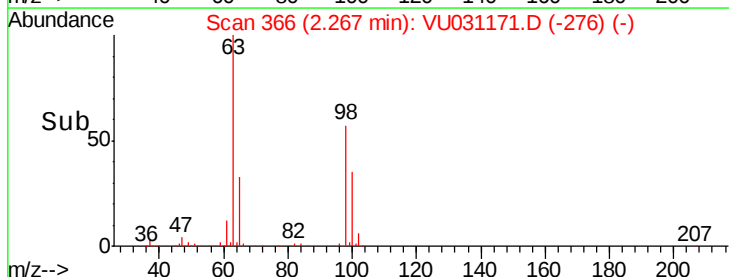
150000

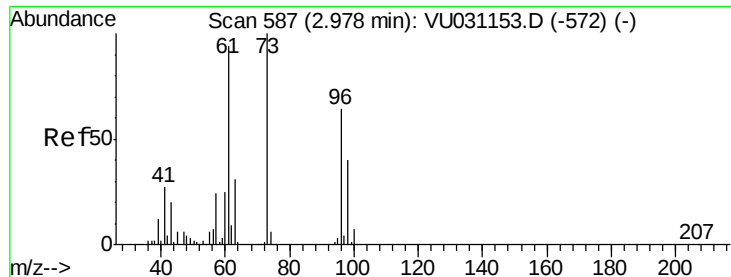
100000

50000

0

Time--> 2.25 2.30





#17

trans-1,2-Dichloroethene

Concen: 0.747 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

ETJ63

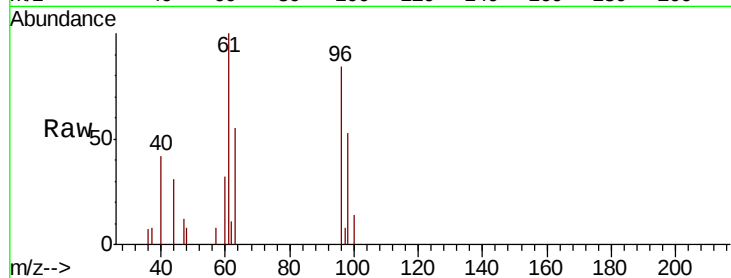
Tot Ion: 96 Resp: 2641

Ion Ratio Lower Upper

96 100

61 118.8 109.5 203.3

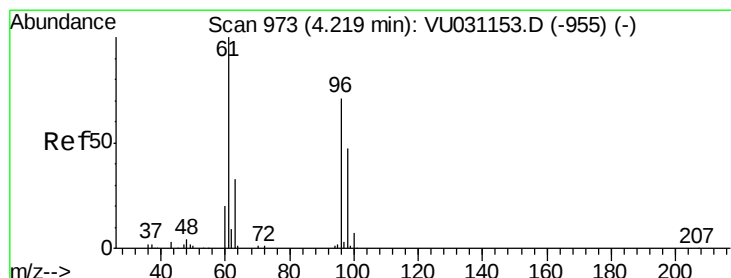
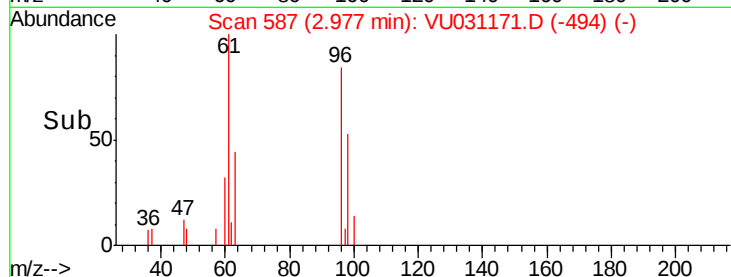
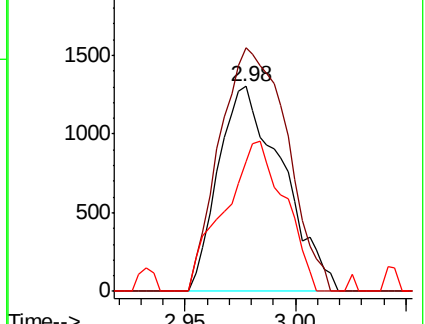
98 63.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031171.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031171.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031171.D (-494) (-)



#20

cis-1,2-Dichloroethene

Concen: 137.156 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

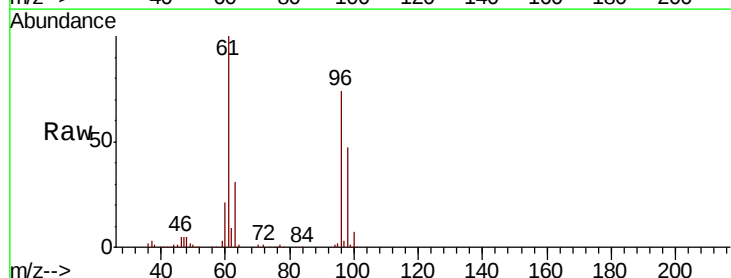
Tgt Ion: 96 Resp: 535305

Ion Ratio Lower Upper

96 100

61 134.5 102.9 191.1

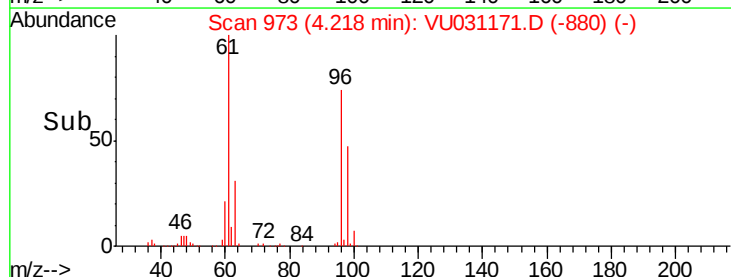
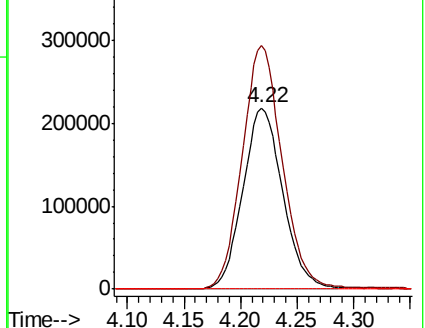
68 0.0 0.0 0.0

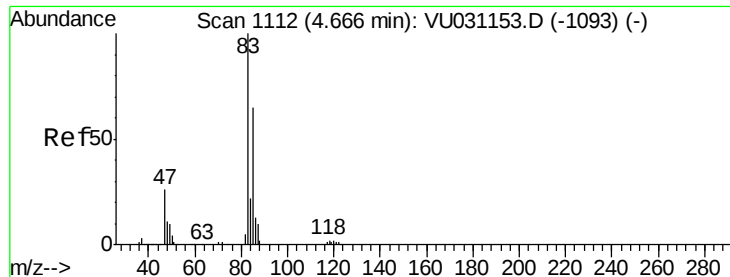


Abundance Ion 96.00 (95.70 to 96.70): VU031171.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031171.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031171.D (-880) (-)





#25

Chloroform

Concen: 2.248 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

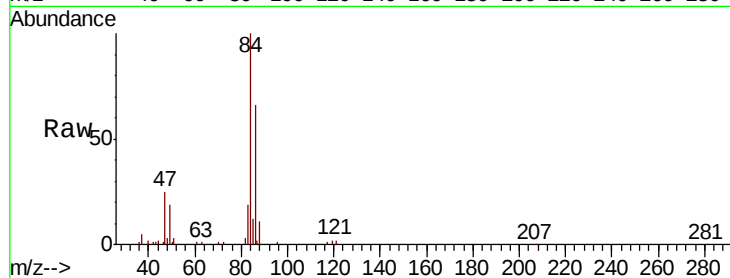
ETJ63

Tot Ion: 83 Resp: 16480

Ion Ratio Lower Upper

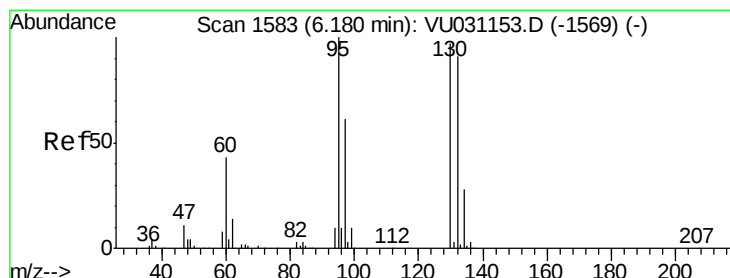
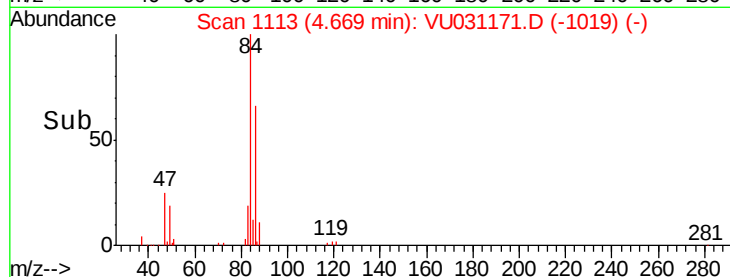
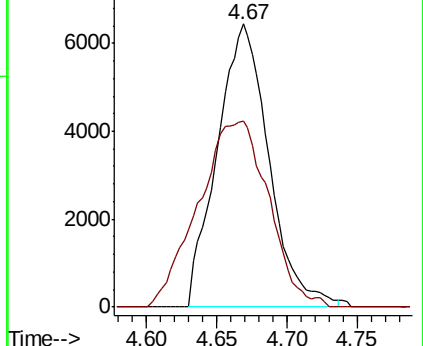
83 100

85 65.9 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031171.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VU031171.D (-1019) (-)



#34

Trichloroethene

Concen: 3.319 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Tgt Ion: 95 Resp: 12538

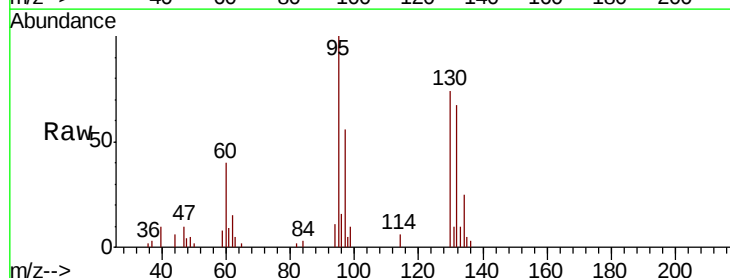
Ion Ratio Lower Upper

95 100

97 56.1 44.5 82.7

132 66.7 61.5 114.1

130 74.3 64.9 120.5

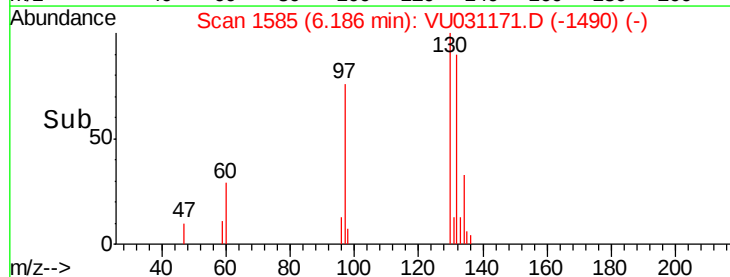
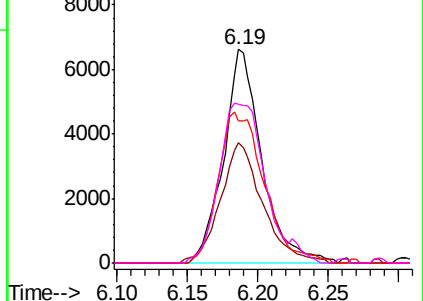


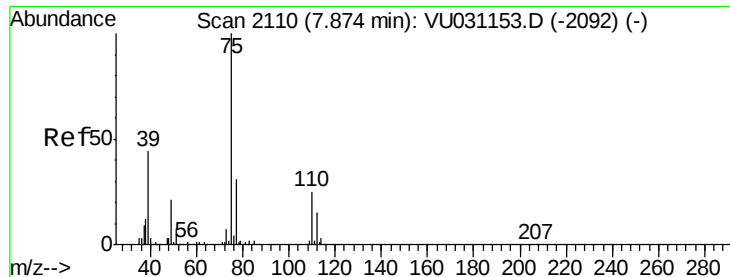
Abundance Ion 95.00 (94.70 to 95.70): VU031171.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU031171.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU031171.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU031171.D (-1490) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.640 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Instrument :

MSVOA_U

ClientSampled :

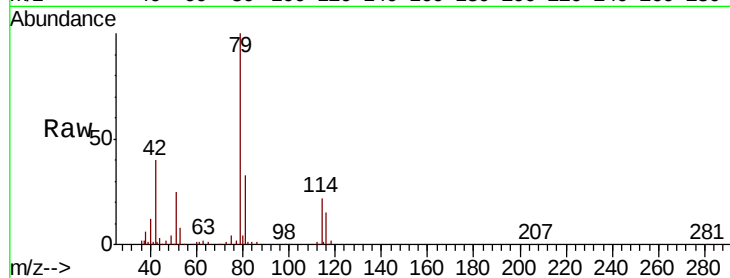
ETJ63

Tot Ion: 75 Resp: 3499

Ion Ratio Lower Upper

75 100

77 36.7 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031153.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031153.D (-2092) (-)

7.85

2500

2000

1500

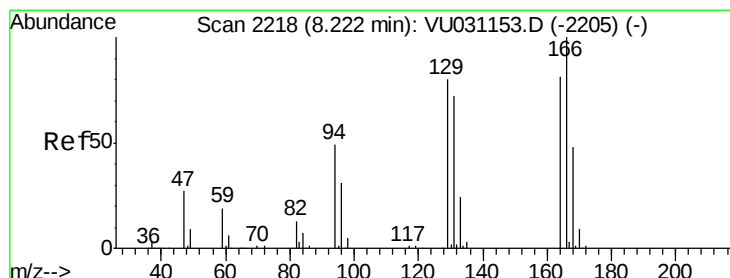
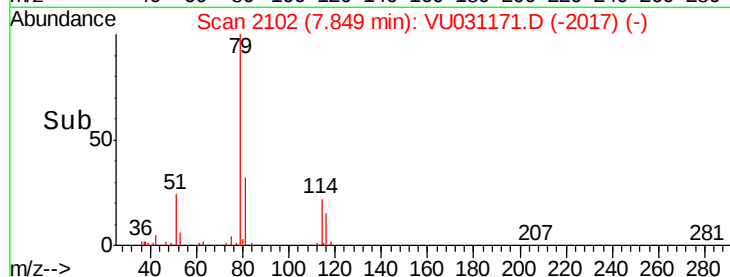
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 0.763 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031171.D

Acq: 13 Apr 2019 20:54

Tgt Ion:164 Resp: 2095

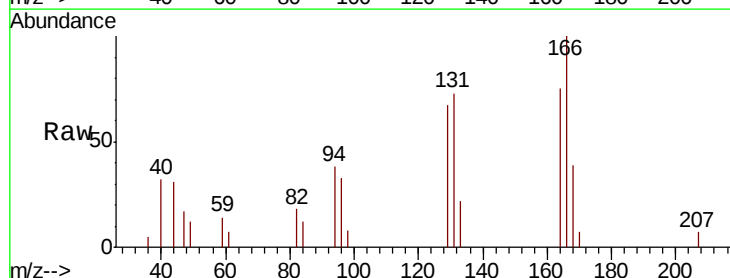
Ion Ratio Lower Upper

164 100

129 88.3 67.4 125.2

131 96.7 65.9 122.5

166 132.6 88.6 164.6



Abundance Ion 164.00 (163.70 to 164.70): VU031153.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031153.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031153.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031153.D (-2205) (-)

3000

2500

2000

1500

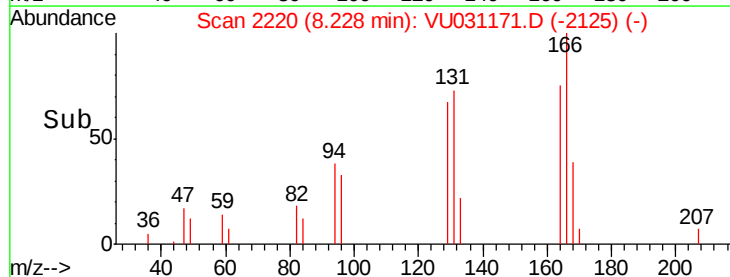
1000

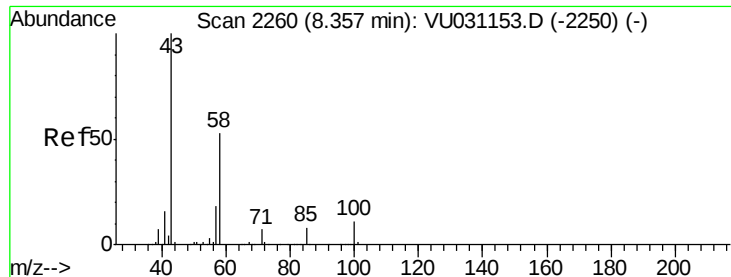
500

0

8.18 8.20 8.22 8.24

Time-->

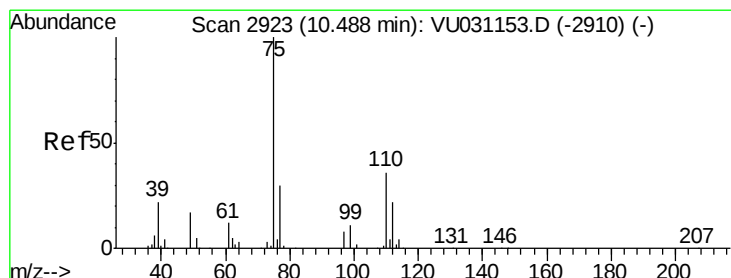
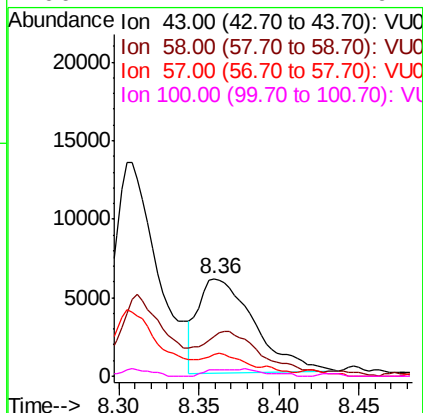
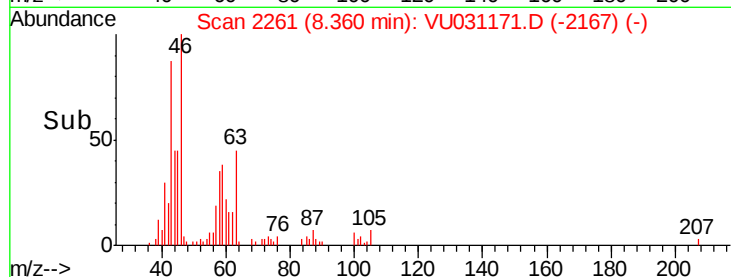
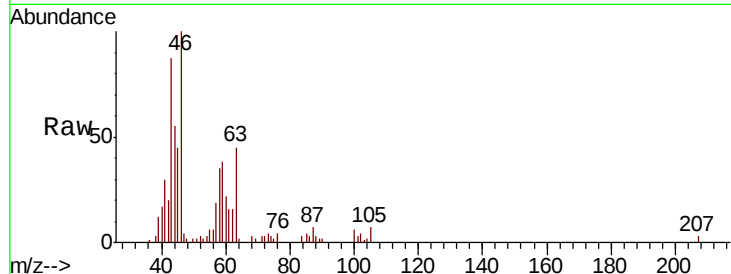




#48
2-Hexanone
Concen: 2.698 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031171.D
Acq: 13 Apr 2019 20:54

Instrument :
MSVOA_U
ClientSampleId :
ETJ63

Tot Ion: 43 Resp: 14758
Ion Ratio Lower Upper
43 100
58 43.7 41.9 62.9
57 8.2 14.3 21.5#
100 2.2 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 3.962 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031171.D
Acq: 13 Apr 2019 20:54

Tgt Ion: 75 Resp: 20692
Ion Ratio Lower Upper
75 100
77 38.7 26.1 39.1

