

Data File : VU031618.D
Acq On : 30 Apr 2019 04:19
Operator : JC/SP
Sample : K2593-06 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XD8

Quant Time: Apr 30 04:55:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	637716	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	643331	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	328596	61.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.14%
7) Chloroethane-d5	1.68	69	243364	59.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.00%
11) 1,1-Dichloroethene-d2	2.27	63	459721	43.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.50%
21) 2-Butanone-d5	4.19	46	561047	116.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.02%
24) Chloroform-d	4.64	84	516275	52.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.64%
26) 1,2-Dichloroethane-d4	5.31	65	349720	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
32) Benzene-d6	5.34	84	997047	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
36) 1,2-Dichloropropane-d6	6.33	67	365635	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.22%
41) Toluene-d8	7.56	98	838326	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%
43) trans-1,3-Dichloropropene-	7.85	79	138499	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.31	63	314565	104.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.57%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	444968	47.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	248424	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

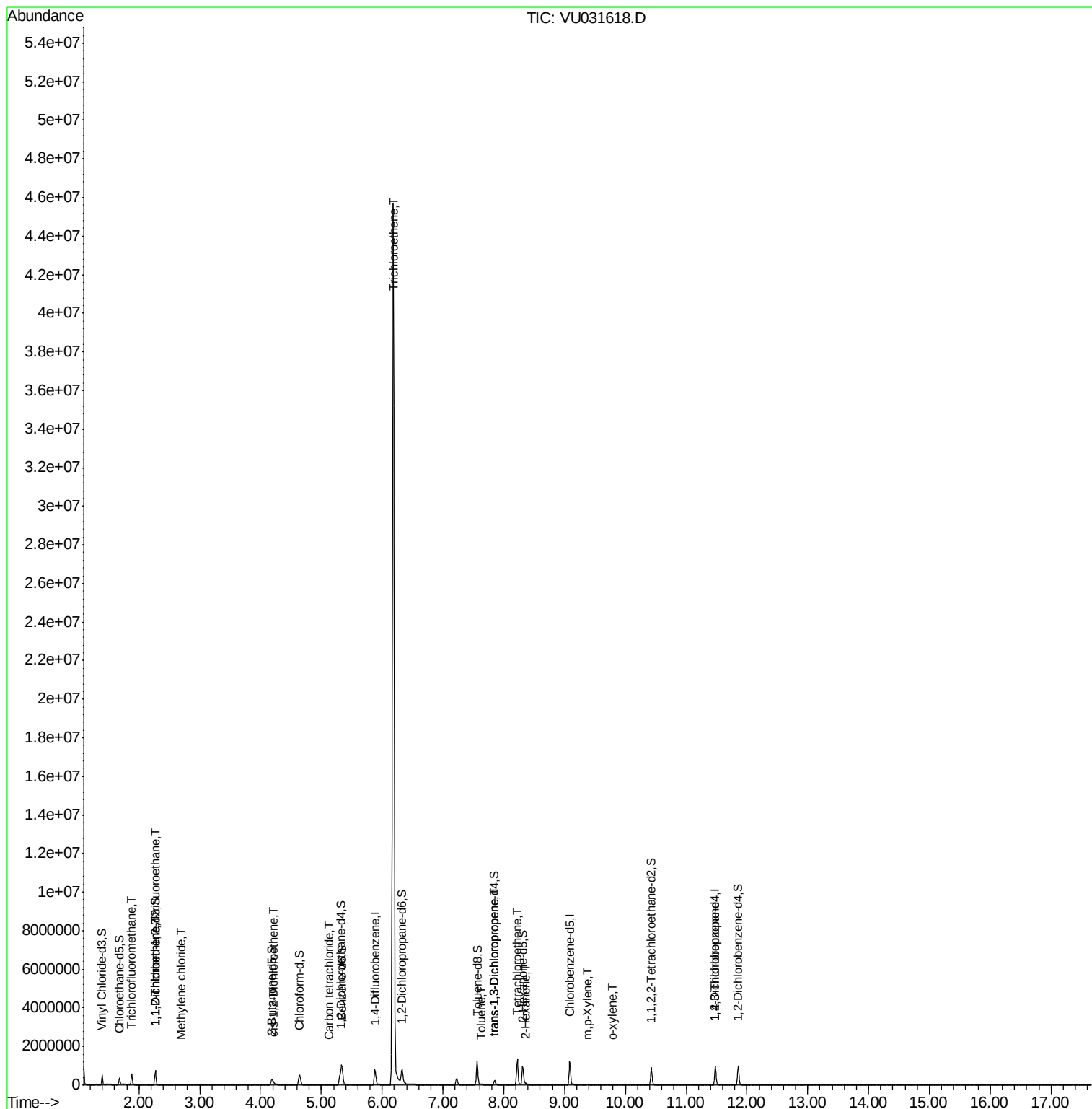
						Qvalue
9) Trichlorofluoromethane	1.88	101	339651	37.561	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4197	0.821	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	3648	0.733	ug/L #	1
16) Methylene chloride	2.70	84	3260	0.555	ug/L #	82
20) cis-1,2-Dichloroethene	4.22	96	9056	1.628	ug/L	88
31) Carbon tetrachloride	5.13	117	9644	1.252	ug/L #	51
34) Trichloroethene	6.18	95	16565732	2889.292	ug/L	95
42) Toluene	7.64	91	19520	0.828	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	5603	0.696	ug/L	94
46) Tetrachloroethene	8.22	164	278828	71.335	ug/L	96
48) 2-Hexanone	8.37	43	14486	1.734	ug/L #	45
53) m,p-Xylene	9.38	106	6098	0.716	ug/L	75
54) o-xylene	9.78	106	4738	0.561	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	33573	4.217	ug/L	94

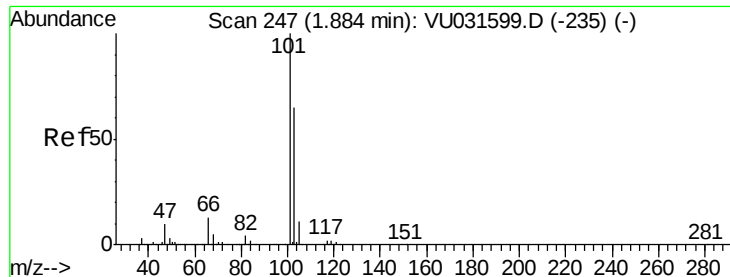
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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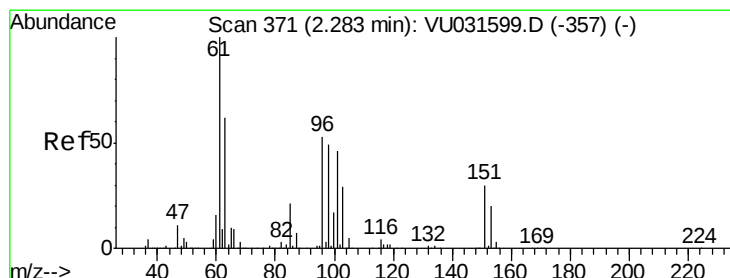
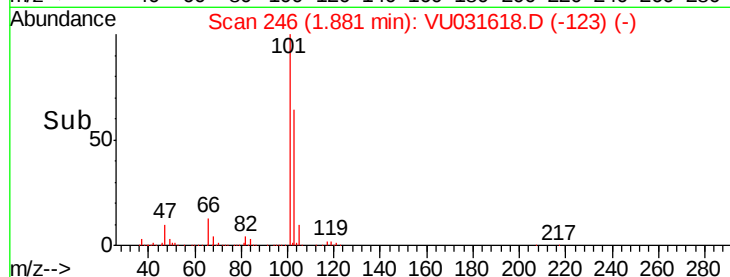
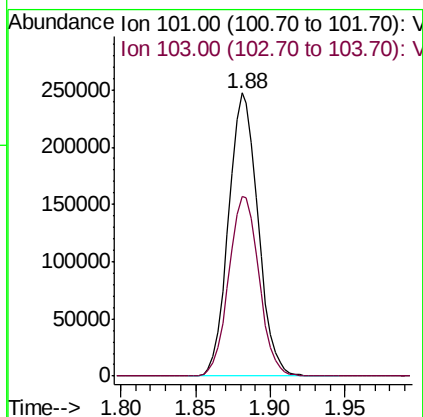
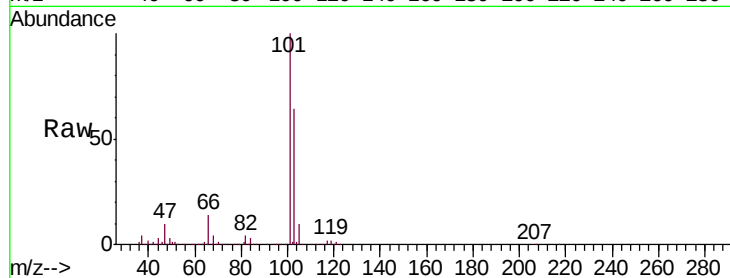


#9

Trichlorofluoromethane
 Concen: 37.561 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Instrument :
 MSVOA_U
 ClientSampled :
 C0XD8

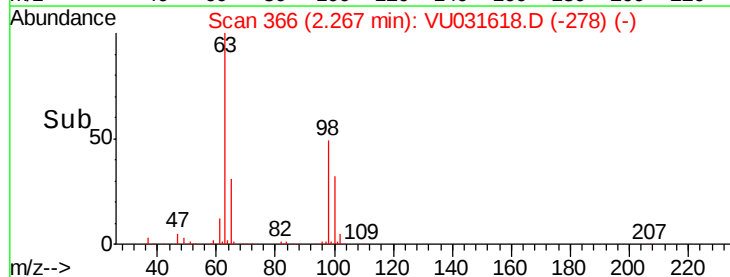
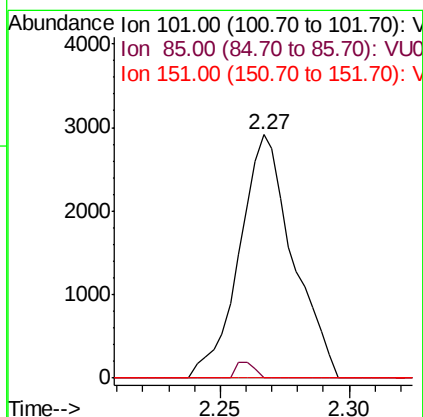
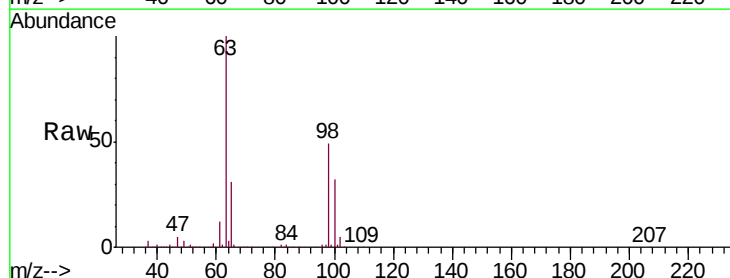
Tgt Ion:101 Resp: 339651
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.8 76.2

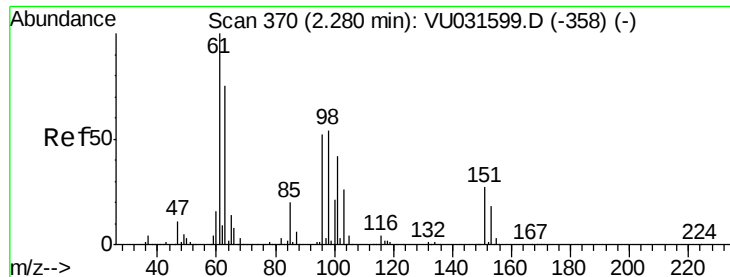


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.821 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.02 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Tgt Ion:101 Resp: 4197
 Ion Ratio Lower Upper
 101 100
 85 2.2 36.1 54.1#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.733 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031618.D

Acq: 30 Apr 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

C0XD8

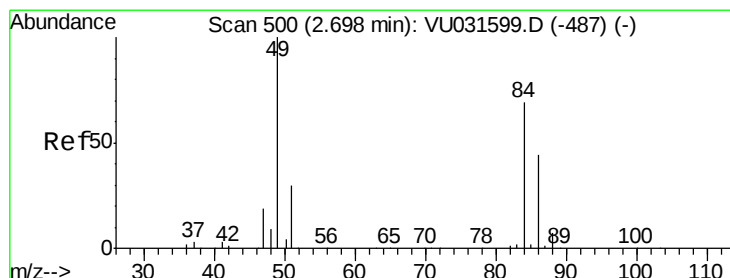
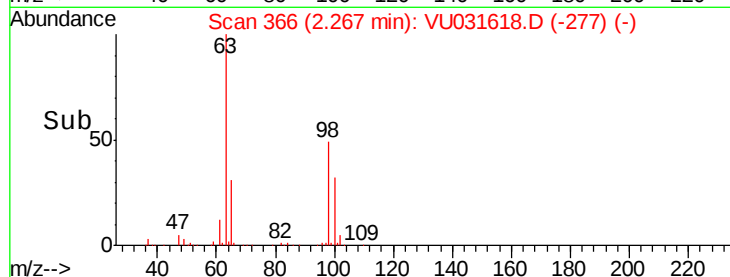
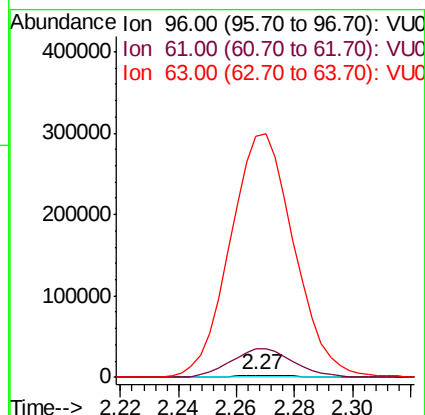
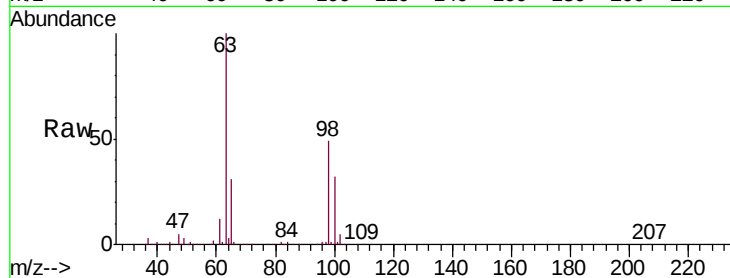
Tgt Ion: 96 Resp: 3648

Ion Ratio Lower Upper

96 100

61 1265.5 135.0 250.6#

63 10657.4 103.5 192.3#



#16

Methylene chloride

Concen: 0.555 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU031618.D

Acq: 30 Apr 2019 04:19

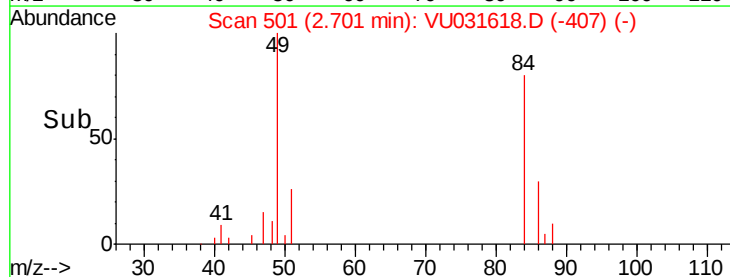
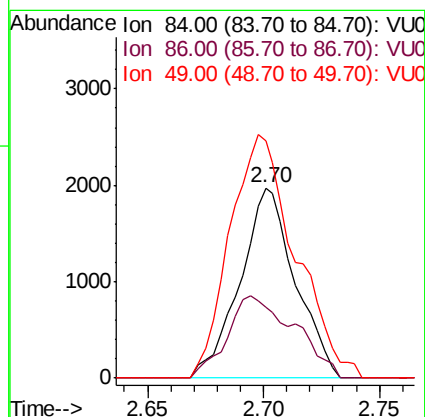
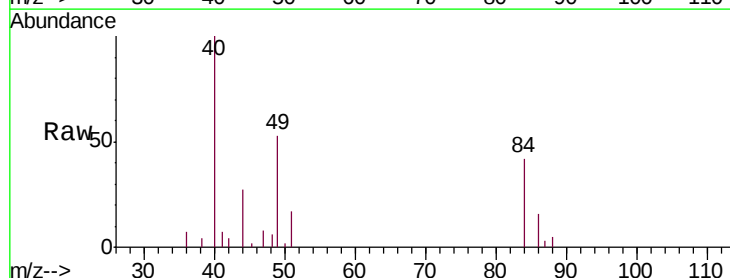
Tgt Ion: 84 Resp: 3260

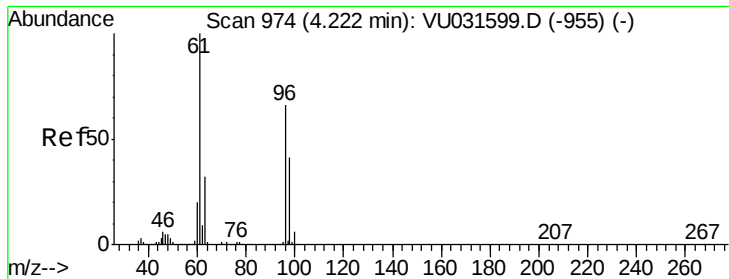
Ion Ratio Lower Upper

84 100

86 37.4 44.7 83.1#

49 124.6 96.5 179.3

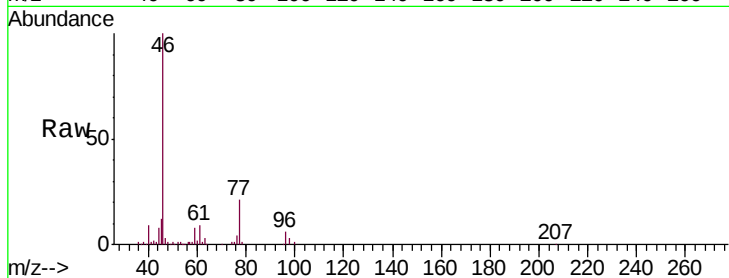




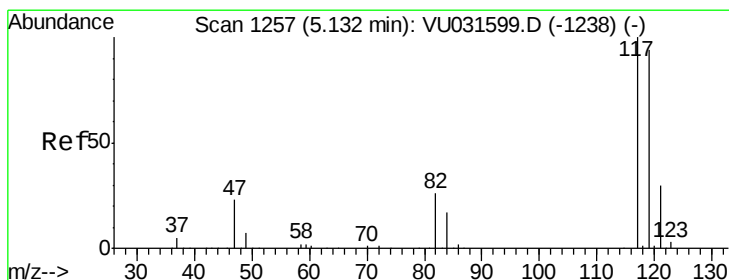
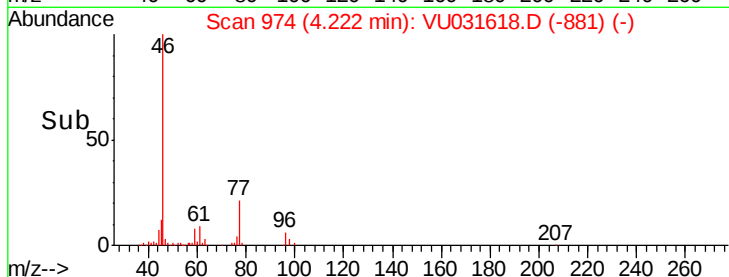
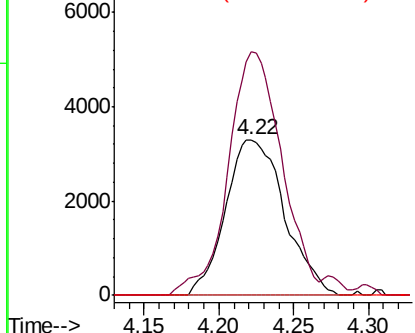
#20
 cis-1,2-Dichloroethene
 Concen: 1.628 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Instrument :
 MSVOA_U
 ClientSampled :
 C0XD8

Tgt Ion: 96 Resp: 9056
 Ion Ratio Lower Upper
 96 100
 61 156.4 99.5 184.7
 68 0.0 0.0 0.0

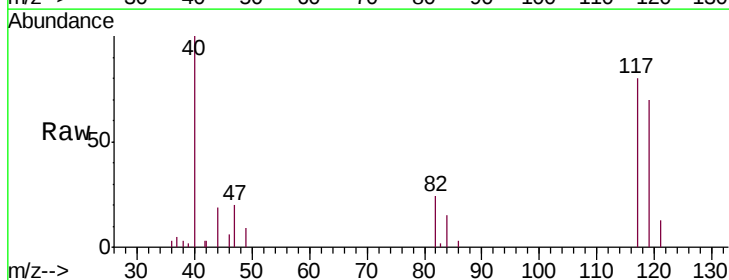


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

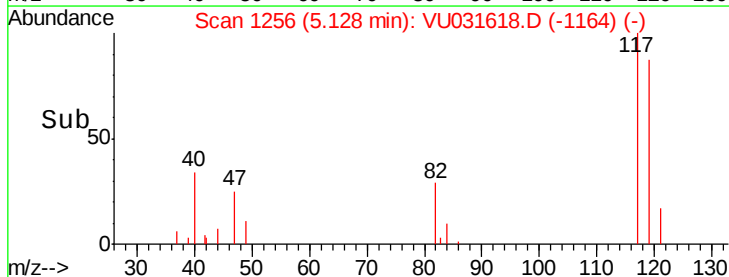
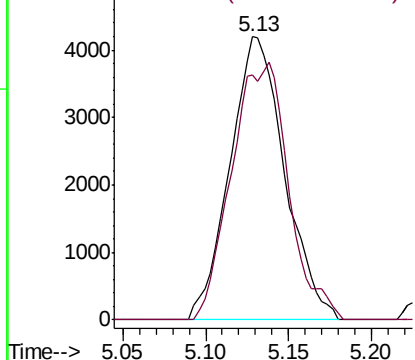


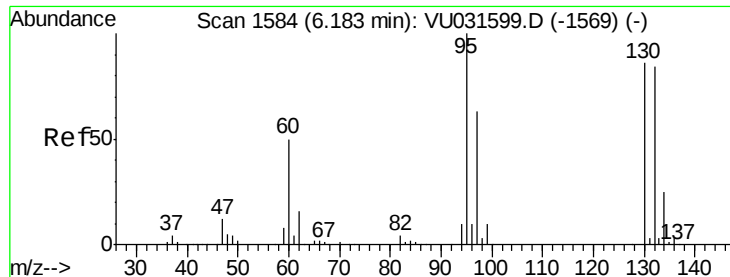
#31
 Carbon tetrachloride
 Concen: 1.252 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Tgt Ion: 117 Resp: 9644
 Ion Ratio Lower Upper
 117 100
 119 48.1 76.6 114.8#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

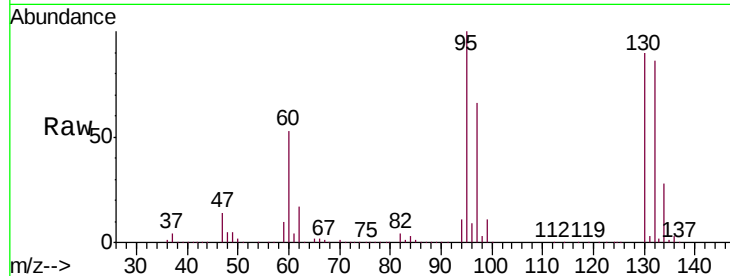




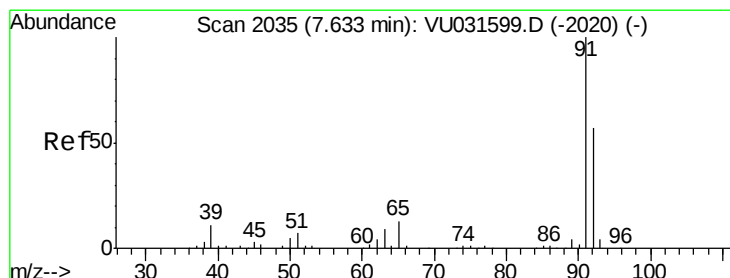
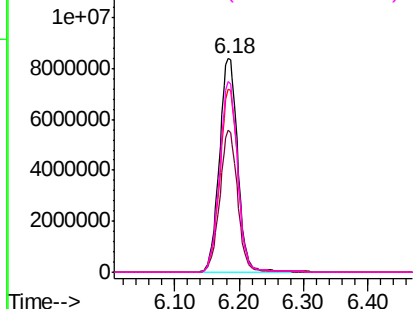
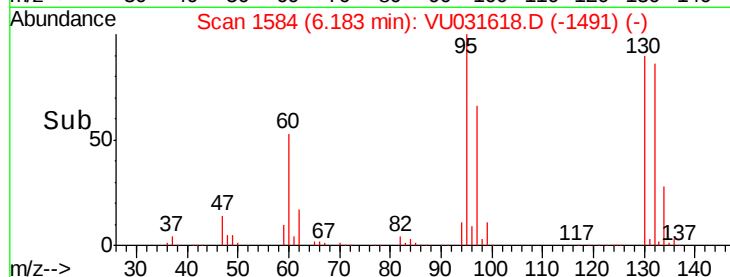
#34
 Trichloroethene
 Concen: 2889.292 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD8

Tgt Ion: 95 Resp:16565732
 Ion Ratio Lower Upper
 95 100
 97 66.4 44.8 83.2
 132 85.9 63.1 117.1
 130 89.6 66.5 123.5

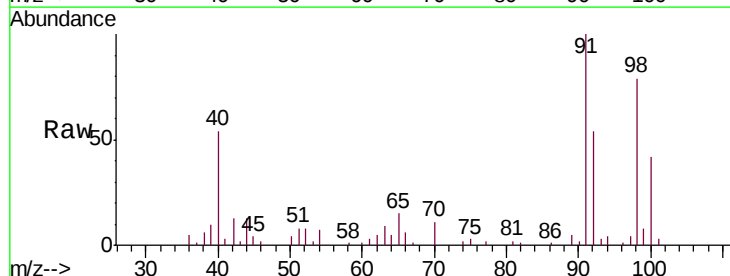


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

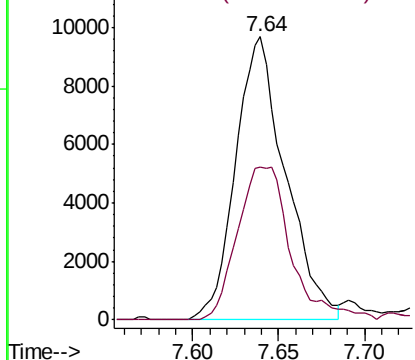
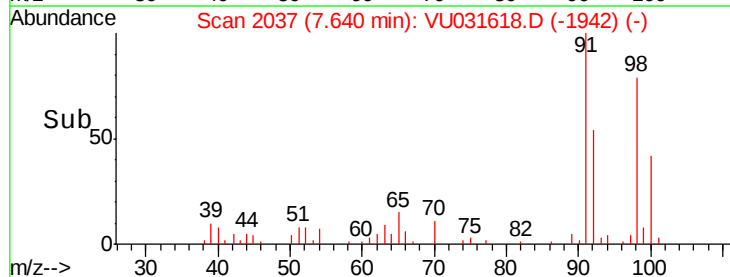


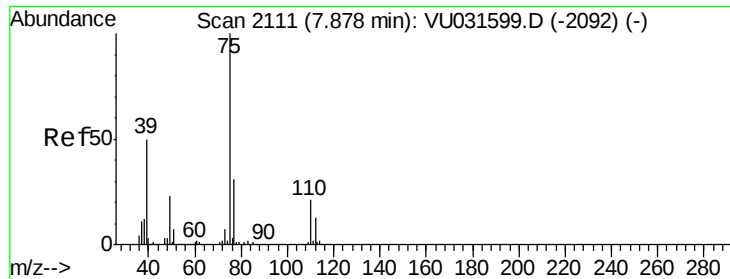
#42
 Toluene
 Concen: 0.828 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU031618.D
 Acq: 30 Apr 2019 04:19

Tgt Ion: 91 Resp: 19520
 Ion Ratio Lower Upper
 91 100
 92 54.0 39.0 72.4



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: 0.696 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031618.D

Acq: 30 Apr 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

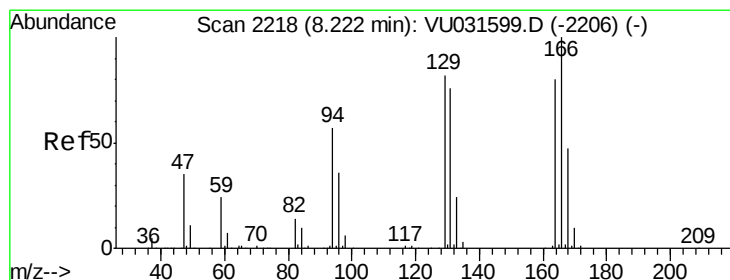
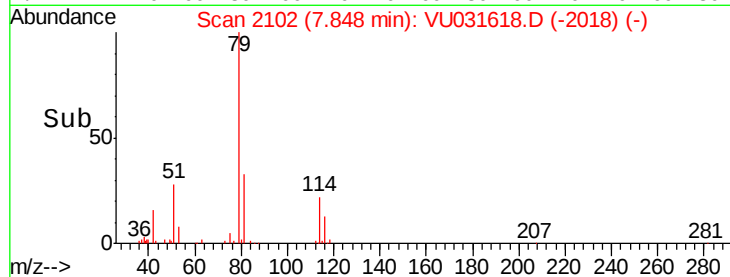
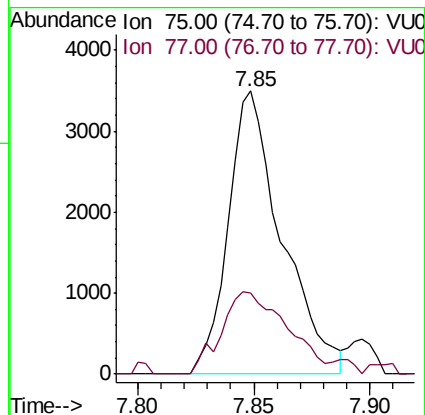
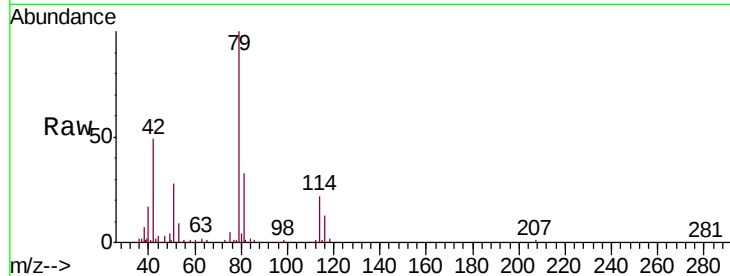
C0XD8

Tgt Ion: 75 Resp: 5603

Ion Ratio Lower Upper

75 100

77 28.5 22.1 41.1



#46

Tetrachloroethene

Concen: 71.335 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031618.D

Acq: 30 Apr 2019 04:19

Tgt Ion: 164 Resp: 278828

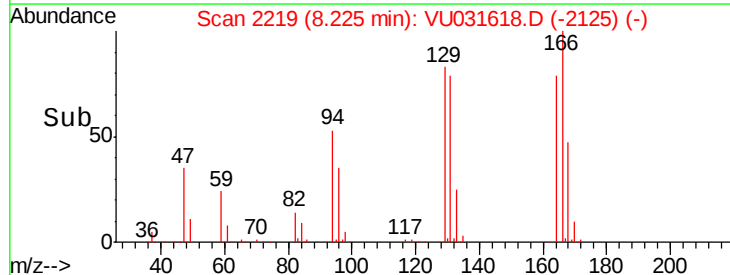
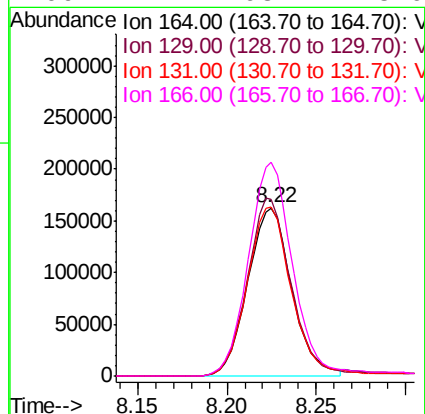
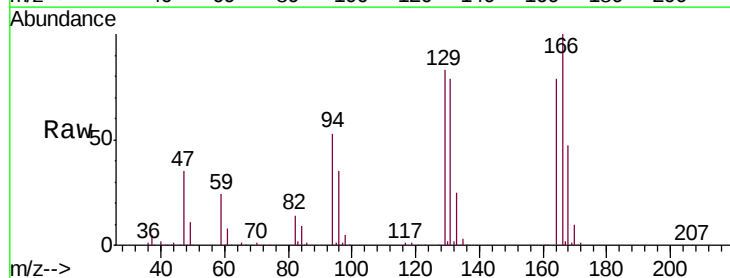
Ion Ratio Lower Upper

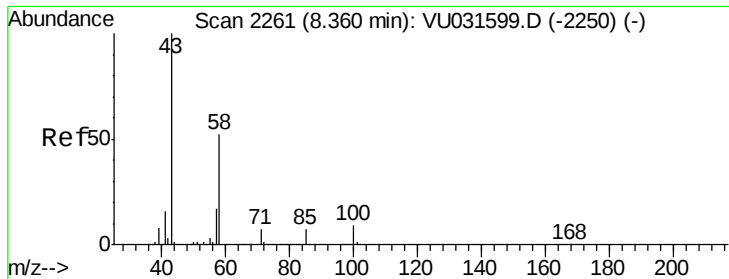
164 100

129 105.3 71.5 132.9

131 100.4 69.0 128.2

166 127.1 93.7 173.9

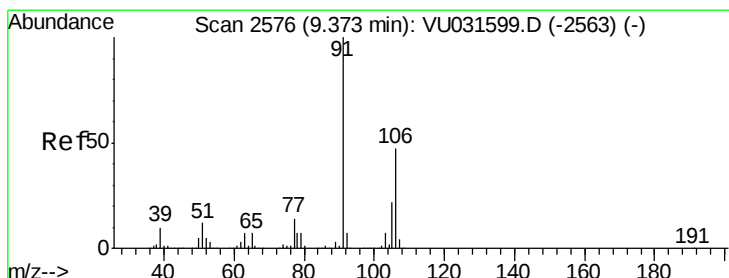
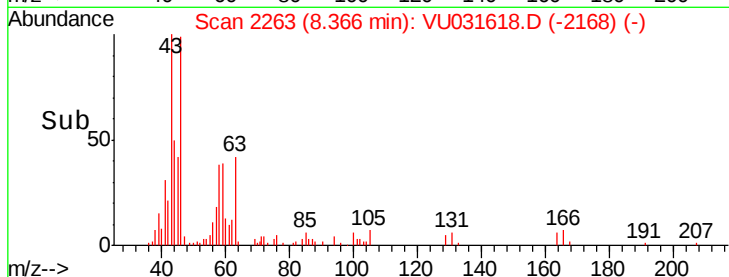
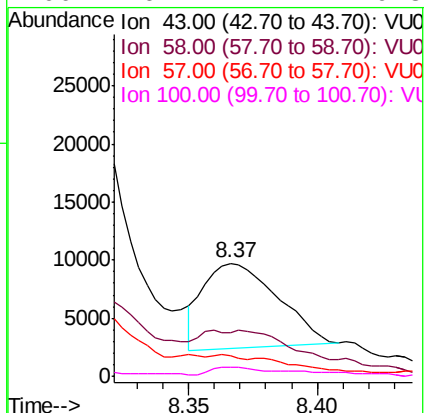
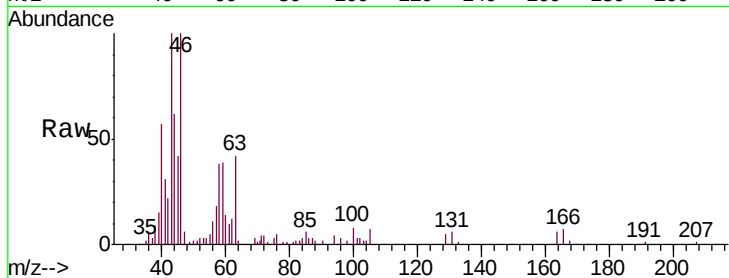




#48
2-Hexanone
Concen: 1.734 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

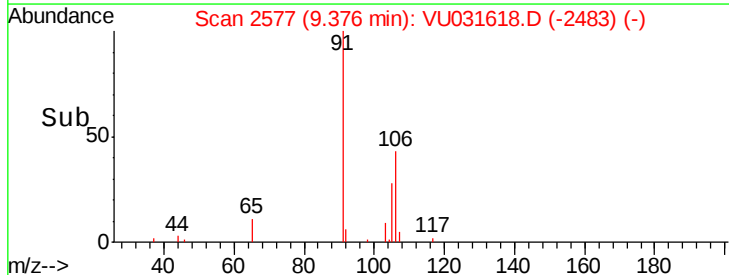
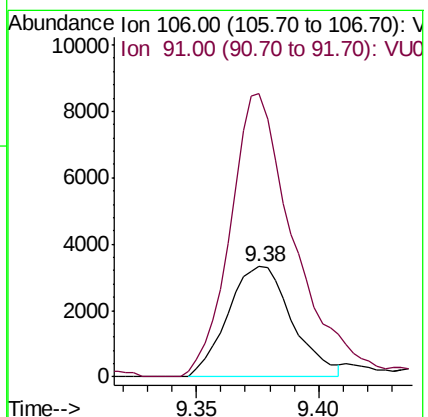
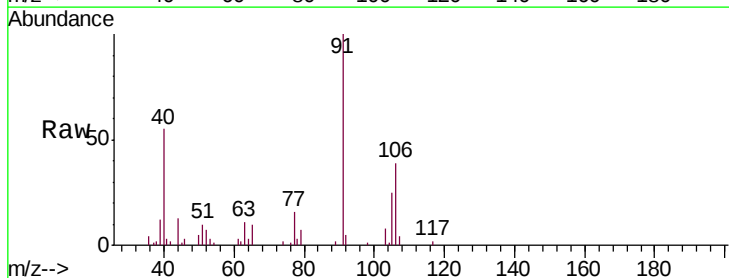
Instrument :
MSVOA_U
ClientSampleId :
C0XD8

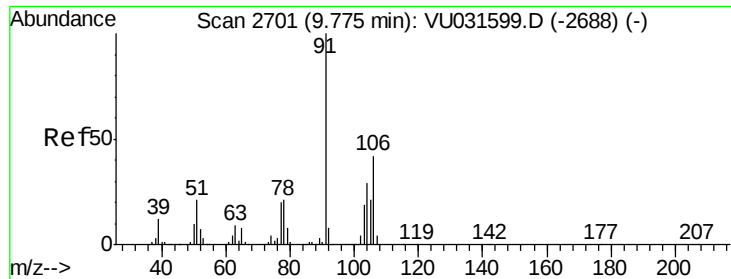
Tgt Ion: 43 Resp: 14486
Ion Ratio Lower Upper
43 100
58 4.8 42.1 63.1#
57 0.0 14.6 22.0#
100 6.1 7.2 10.8#



#53
m,p-Xylene
Concen: 0.716 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Tgt Ion: 106 Resp: 6098
Ion Ratio Lower Upper
106 100
91 256.9 152.2 282.6

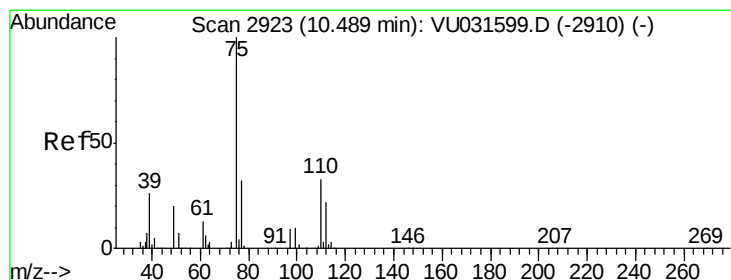
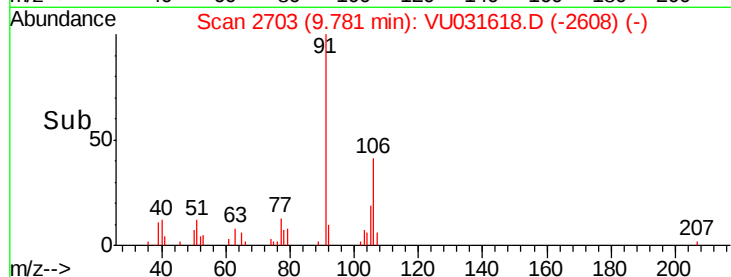
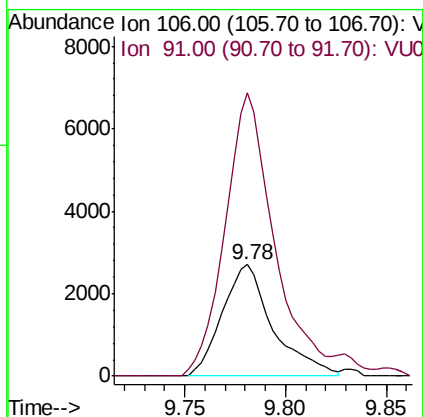
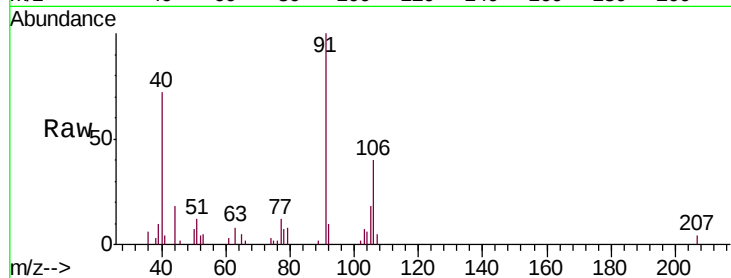




#54
o-xylene
Concen: 0.561 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Instrument :
MSVOA_U
ClientSampleId :
C0XD8

Tgt Ion: 106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 253.1 163.2 303.2



#59
1,2,3-Trichloropropane
Concen: 4.217 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031618.D
Acq: 30 Apr 2019 04:19

Tgt Ion: 75 Resp: 33573
Ion Ratio Lower Upper
75 100
77 35.7 25.9 38.9

