

Data File : VU031644.D
Acq On : 30 Apr 2019 19:12
Operator : JC/SP
Sample : K2593-12 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X78

Quant Time: May 01 01:44:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	677471	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	664652	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	224963	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	299442	52.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.62%
7) Chloroethane-d5	1.68	69	219785	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.32%
11) 1,1-Dichloroethene-d2	2.27	63	439858	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.92%
21) 2-Butanone-d5	4.18	46	496460	96.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.64%
24) Chloroform-d	4.64	84	498955	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	5.31	65	349983	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
32) Benzene-d6	5.33	84	975994	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
36) 1,2-Dichloropropane-d6	6.32	67	352361	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.56	98	770271	43.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.66%
43) trans-1,3-Dichloropropene-	7.85	79	133474	43.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.60%
47) 2-Hexanone-d5	8.31	63	271586	87.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	426162	44.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	229642	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

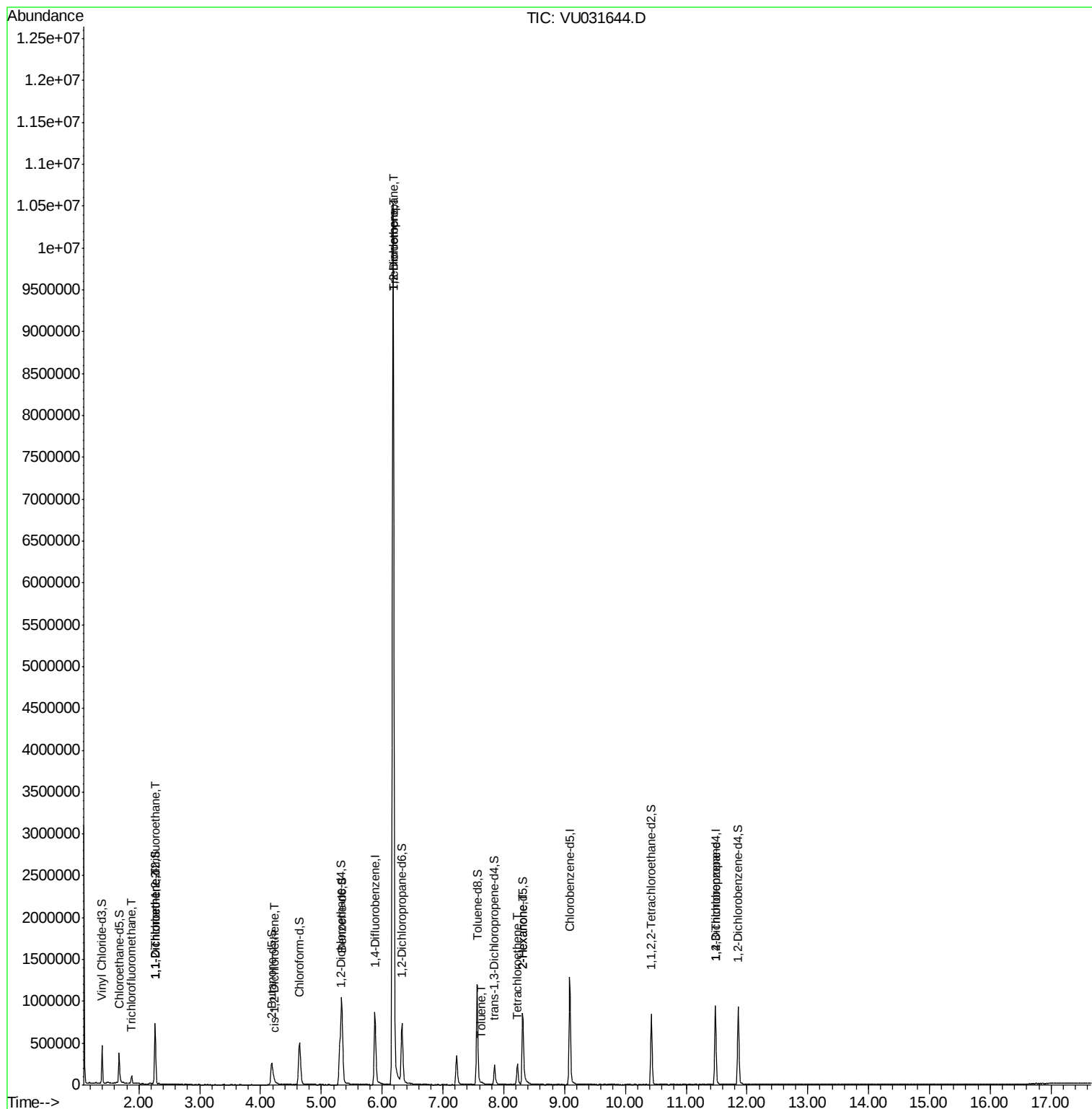
						Qvalue
9) Trichlorofluoromethane	1.88	101	51514	5.362	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3213	0.592	ug/L #	23
12) 1,1-Dichloroethene	2.26	96	3141	0.594	ug/L #	1
20) cis-1,2-Dichloroethene	4.23	96	3359	0.569	ug/L	76
34) Trichloroethene	6.18	95	3846761	649.406	ug/L	94
37) 1,2-Dichloropropane	6.18	63	15059	2.171	ug/L	100
42) Toluene	7.65	91	10881	0.447	ug/L	92
46) Tetrachloroethene	8.22	164	54121	13.402	ug/L	93
48) 2-Hexanone	8.31	43	38316	4.439	ug/L #	78
59) 1,2,3-Trichloropropane	11.48	75	33516	4.075	ug/L	89

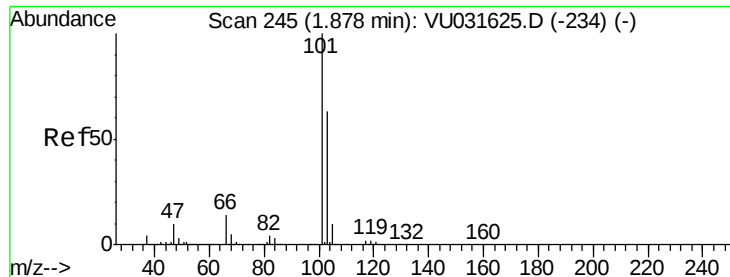
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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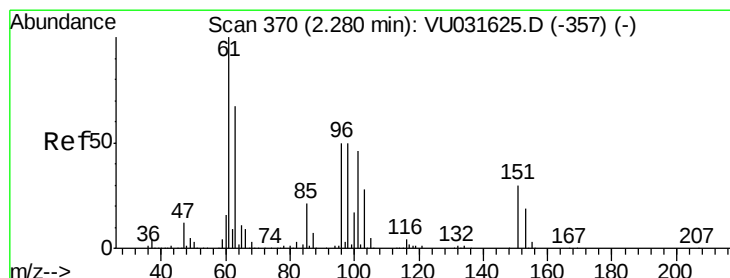
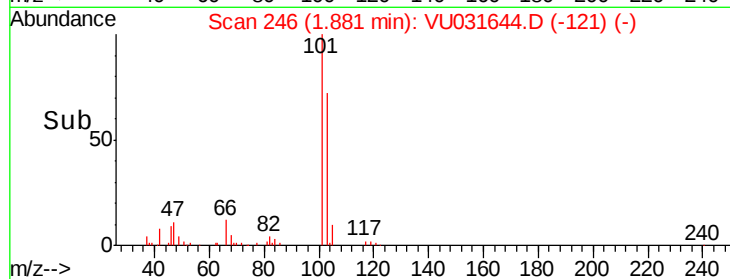
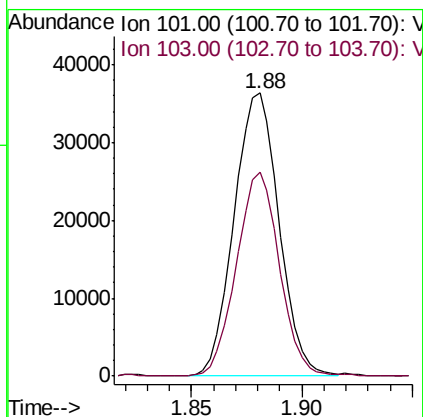
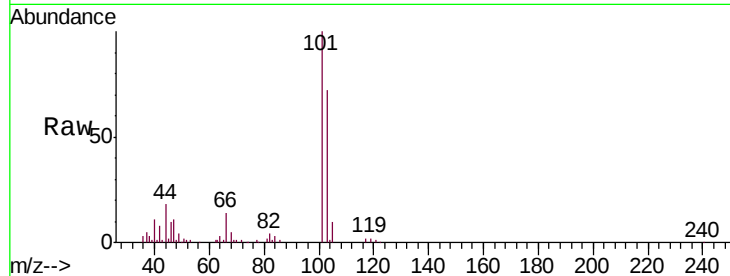


#9

Trichlorofluoromethane
 Concen: 5.362 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X78

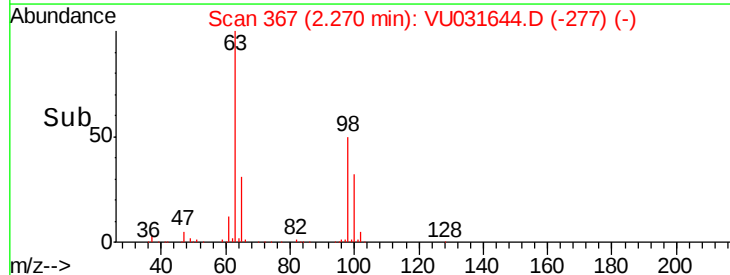
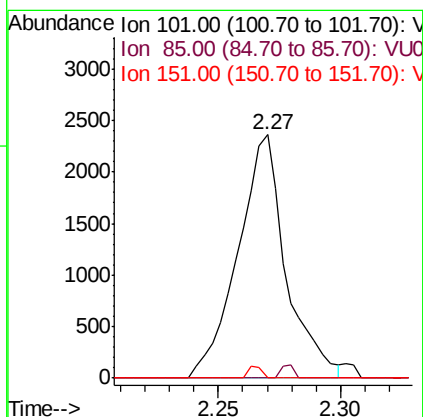
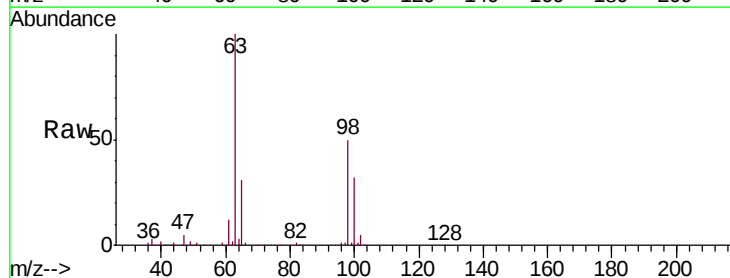
Tgt Ion:101 Resp: 51514
 Ion Ratio Lower Upper
 101 100
 103 69.3 50.8 76.2

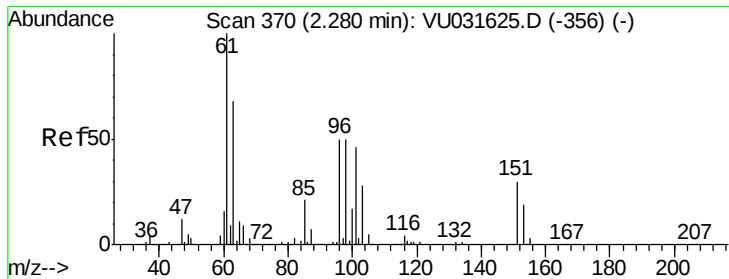


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.592 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

Tgt Ion:101 Resp: 3213
 Ion Ratio Lower Upper
 101 100
 85 1.4 36.1 54.1#
 151 1.3 56.1 84.1#

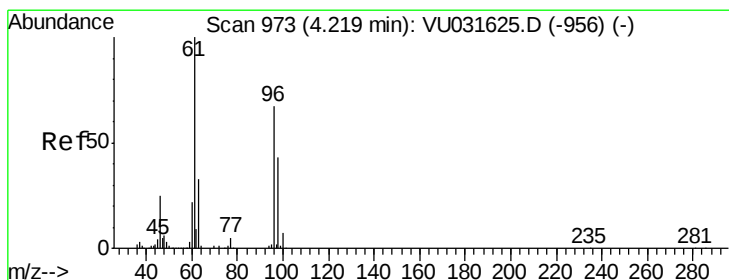
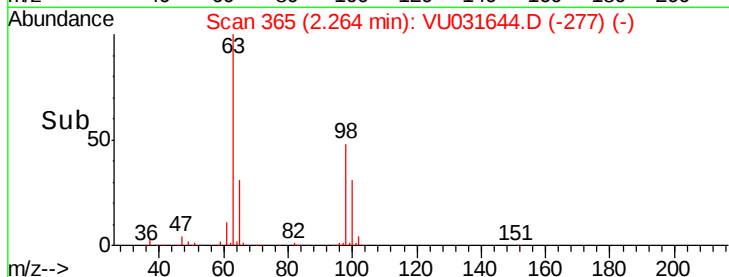
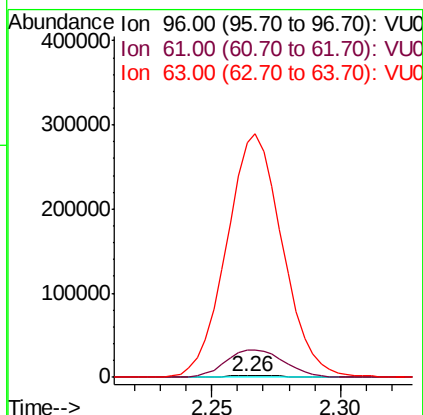
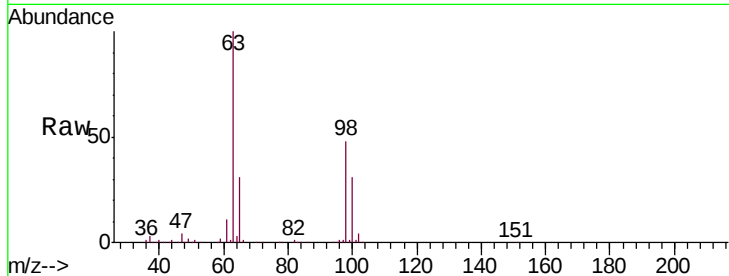




#12
 1,1-Dichloroethene
 Concen: 0.594 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

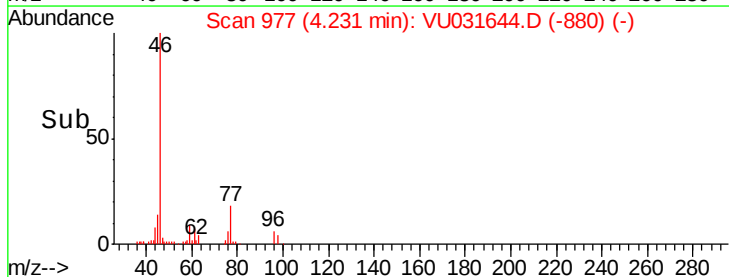
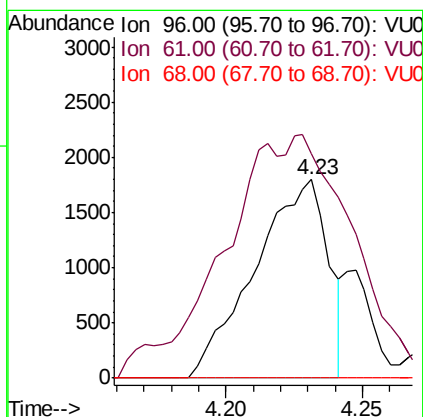
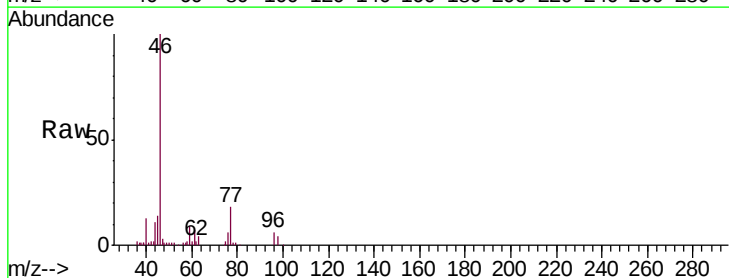
Instrument :
 MSVOA_U
 ClientSampleId :
 C0X78

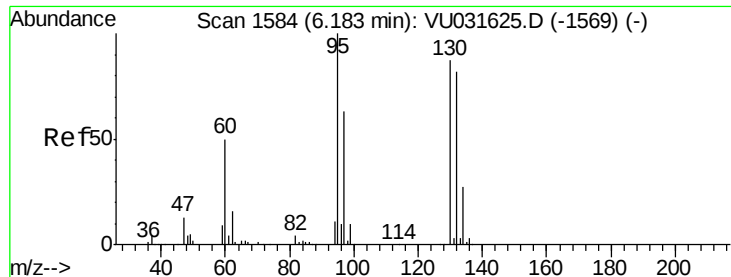
Tgt Ion: 96 Resp: 3141
 Ion Ratio Lower Upper
 96 100
 61 1650.6 135.0 250.6#
 63 14387.6 103.5 192.3#



#20
 cis-1,2-Dichloroethene
 Concen: 0.569 ug/L
 RT: 4.23 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

Tgt Ion: 96 Resp: 3359
 Ion Ratio Lower Upper
 96 100
 61 112.8 99.5 184.7
 68 0.0 0.0 0.0

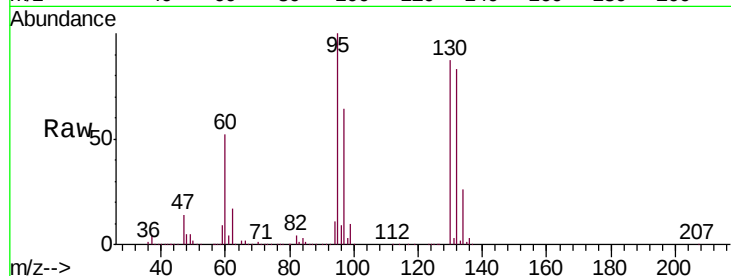




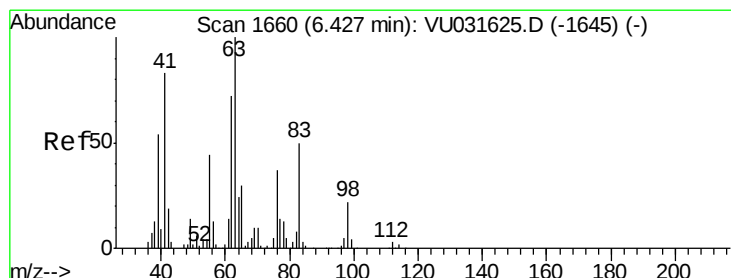
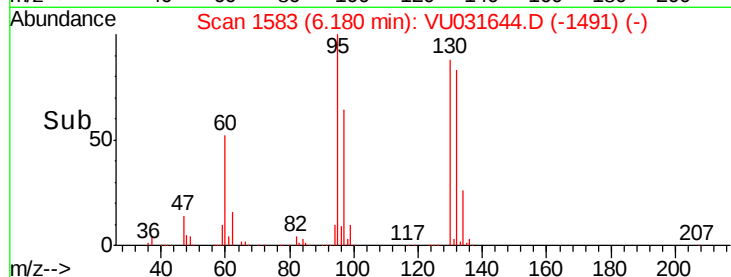
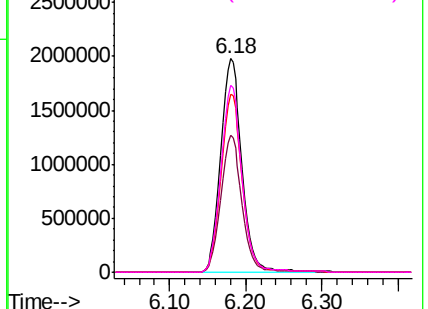
#34
 Trichloroethene
 Concen: 649.406 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X78

Tgt Ion: 95 Resp: 3846761
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.8 83.2
 132 83.0 63.1 117.1
 130 87.4 66.5 123.5

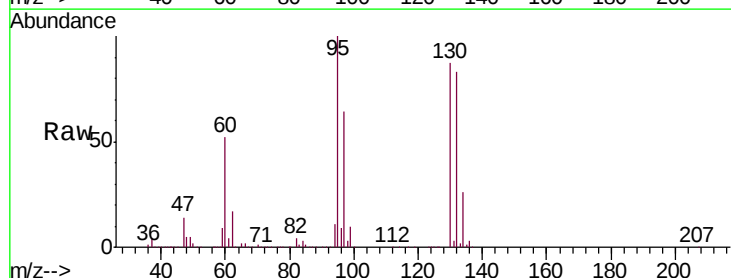


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

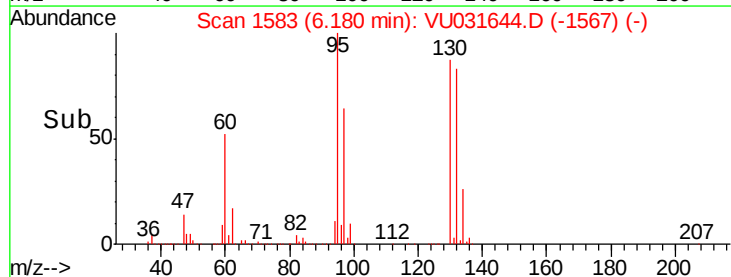
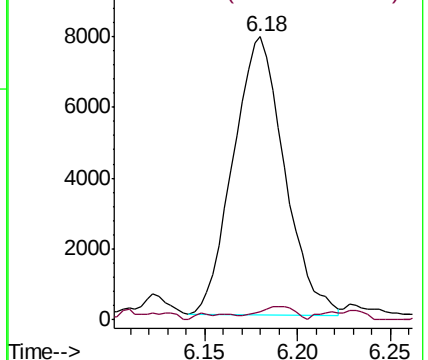


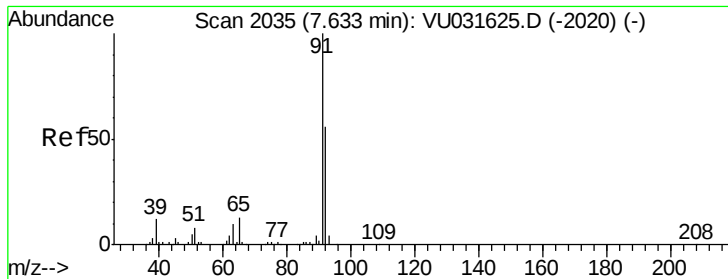
#37
 1,2-Dichloropropane
 Concen: 2.171 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.25 min
 Lab File: VU031644.D
 Acq: 30 Apr 2019 19:12

Tgt Ion: 63 Resp: 15059
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 0.447 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. 0.01 min

Lab File: VU031644.D

Acq: 30 Apr 2019 19:12

Instrument :

MSVOA_U

ClientSampled :

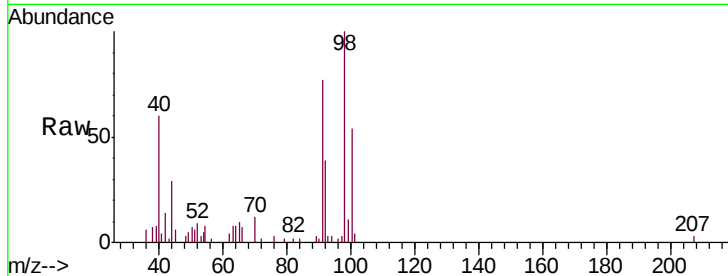
C0X78

Tgt Ion: 91 Resp: 10881

Ion Ratio Lower Upper

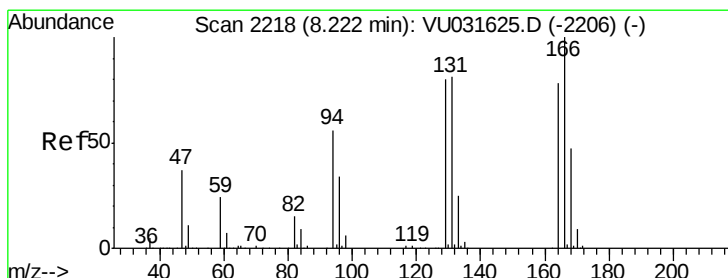
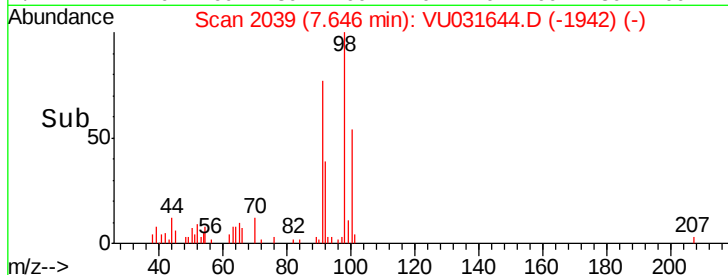
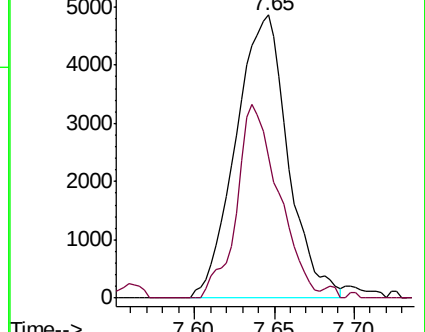
91 100

92 49.8 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU031625.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031625.D (-2020) (-)



#46

Tetrachloroethene

Concen: 13.402 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031644.D

Acq: 30 Apr 2019 19:12

Tgt Ion: 164 Resp: 54121

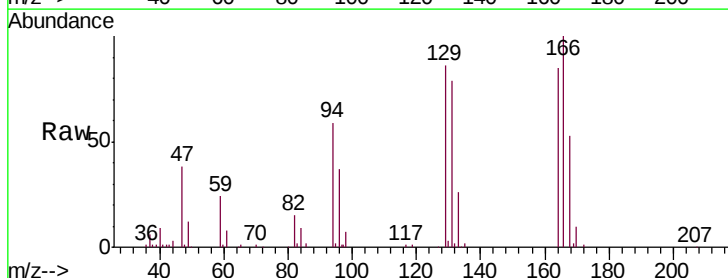
Ion Ratio Lower Upper

164 100

129 101.2 71.5 132.9

131 93.7 69.0 128.2

166 117.9 93.7 173.9

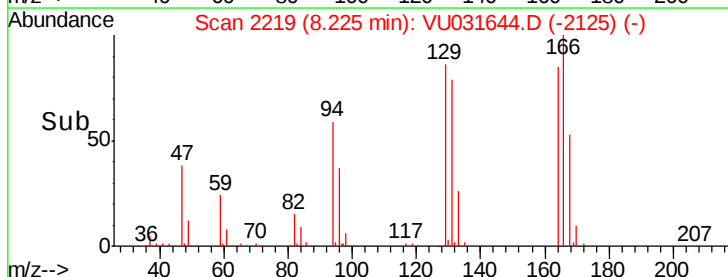
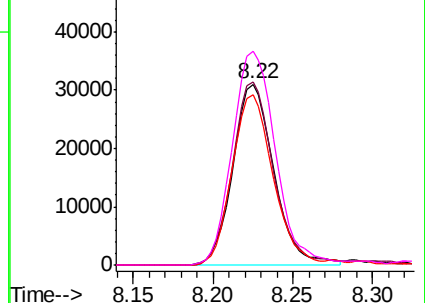


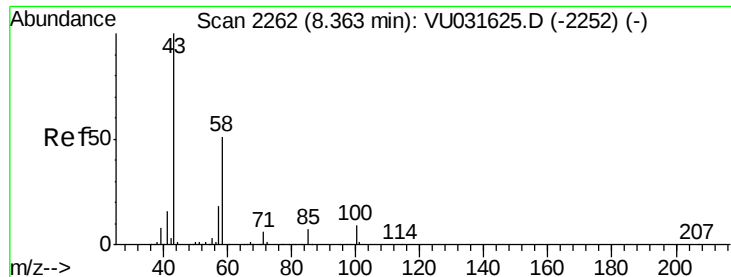
Abundance Ion 164.00 (163.70 to 164.70): VU031625.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031625.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031625.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031625.D (-2206) (-)

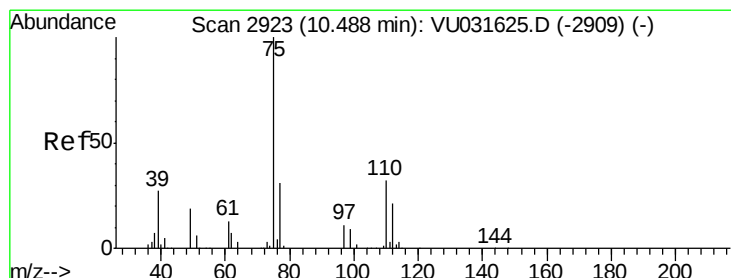
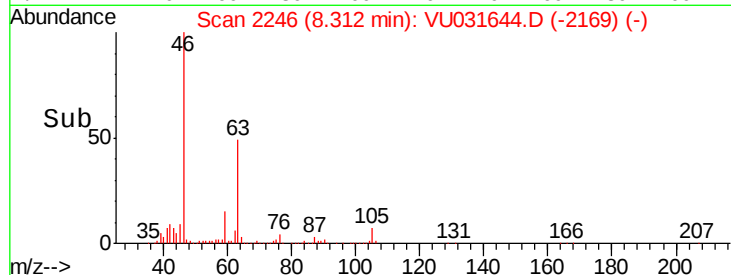
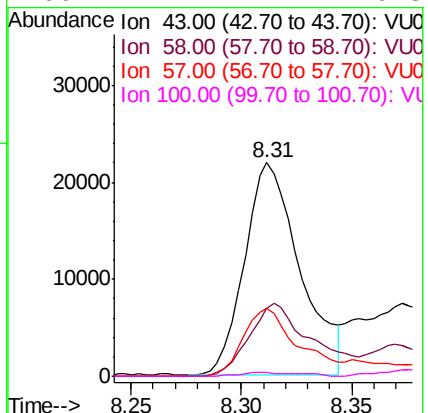
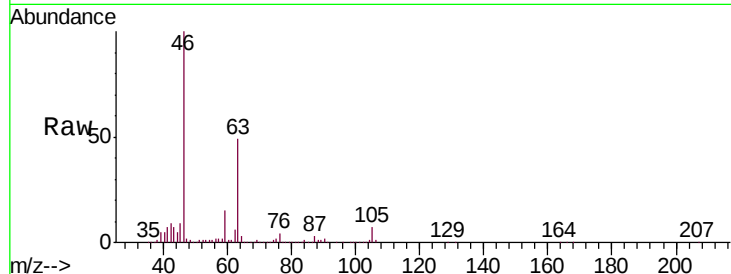




#48
2-Hexanone
Concen: 4.439 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU031644.D
Acq: 30 Apr 2019 19:12

Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 38316
Ion Ratio Lower Upper
43 100
58 39.4 42.1 63.1#
57 31.5 14.6 22.0#
100 1.2 7.2 10.8#



#59
1,2,3-Trichloropropane
Concen: 4.075 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031644.D
Acq: 30 Apr 2019 19:12

Tgt Ion: 75 Resp: 33516
Ion Ratio Lower Upper
75 100
77 38.6 25.9 38.9

