

Data File : VU030448.D
Acq On : 26 Mar 2019 17:08
Operator : JC/SP
Sample : K2070-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Mar 27 06:03:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	388920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165013	50.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.24%
7) Chloroethane-d5	1.67	69	134563	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.16%
11) 1,1-Dichloroethene-d2	2.27	63	231231	37.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.78%
21) 2-Butanone-d5	4.17	46	314642	102.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.67%
24) Chloroform-d	4.80	84	187	0.03	ug/L	0.16
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.06%#
26) 1,2-Dichloroethane-d4	5.31	65	192304	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
32) Benzene-d6	5.34	84	560944	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
36) 1,2-Dichloropropane-d6	6.33	67	202339	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	7.56	98	477148	47.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.28%
43) trans-1,3-Dichloropropene-	7.85	79	79883	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.31	63	212241	102.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	269978	49.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	158559	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%

Target Compounds

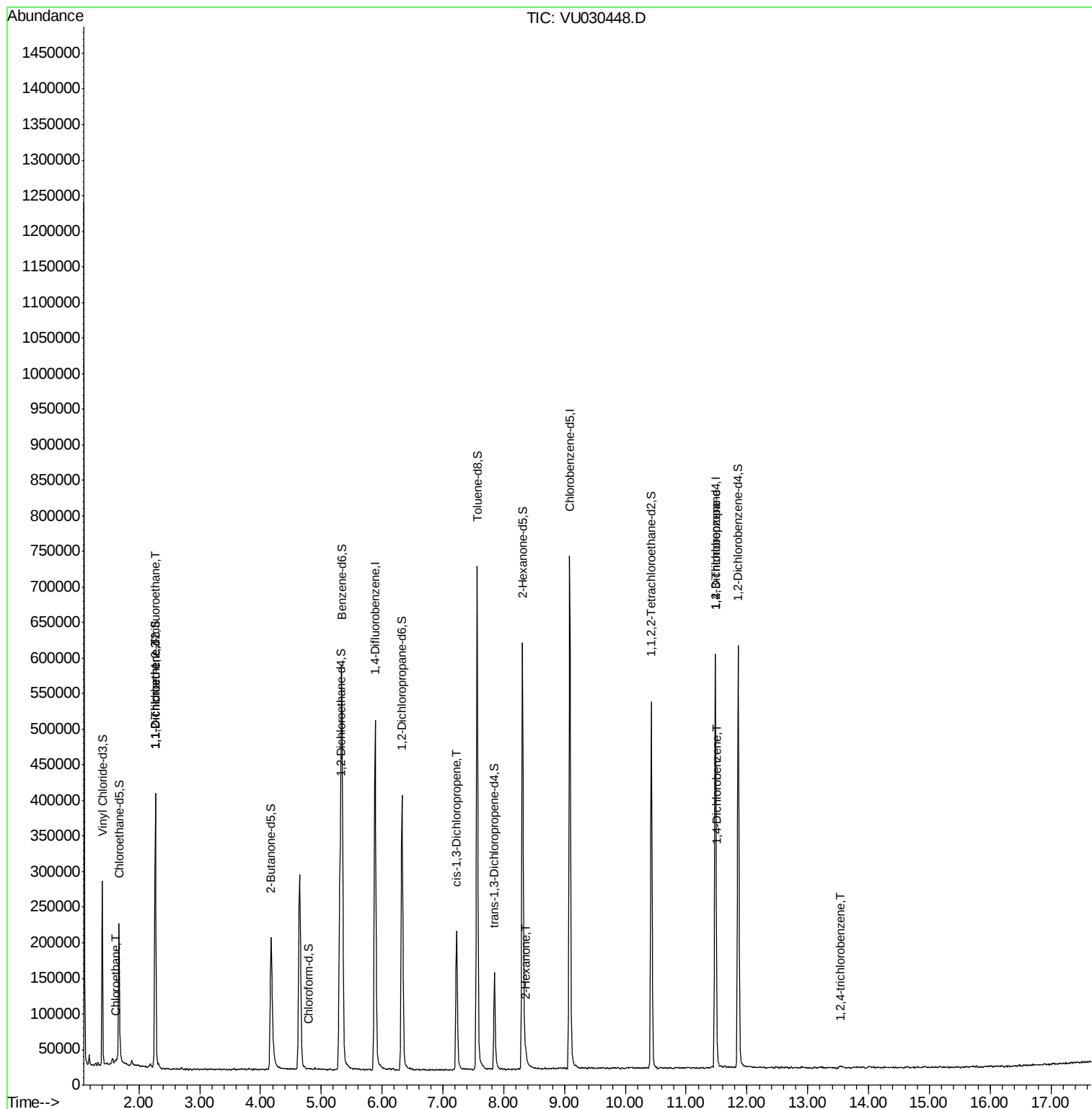
					Qvalue	
8) Chloroethane	1.61	64	1396	0.522	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2019	0.683	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1613	0.557	ug/L #	1
39) cis-1,3-Dichloropropene	7.23	75	4544	0.841	ug/L #	49
48) 2-Hexanone	8.36	43	6290	1.216	ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	21707	4.747	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	4124	0.801	ug/L	92
68) 1,2,4-trichlorobenzene	13.53	180	1343	0.413	ug/L #	58

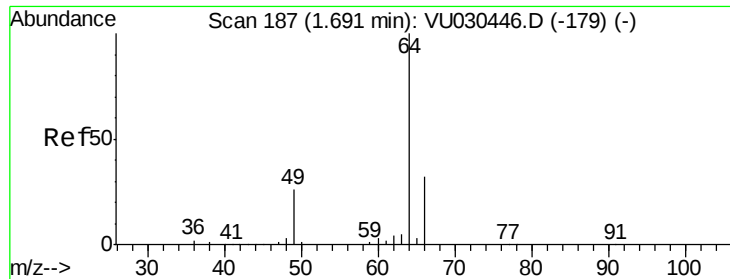
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.08 min

Lab File: VU030448.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA_U

ClientSampleId :

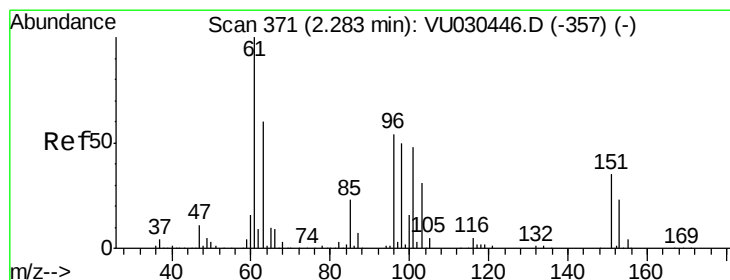
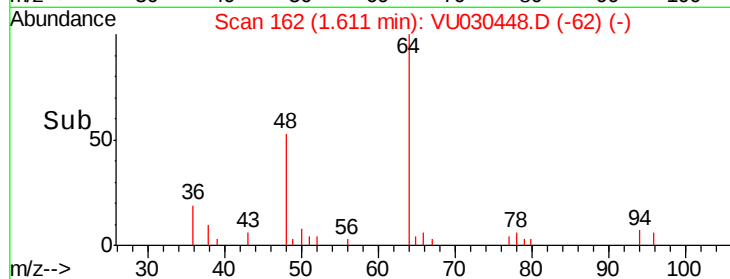
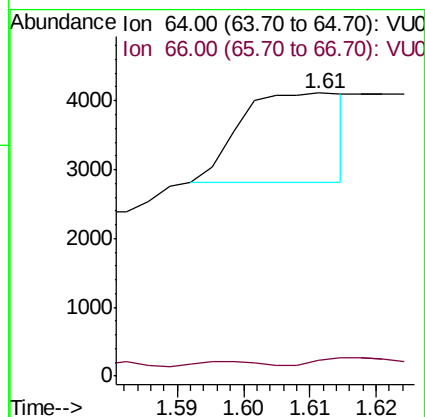
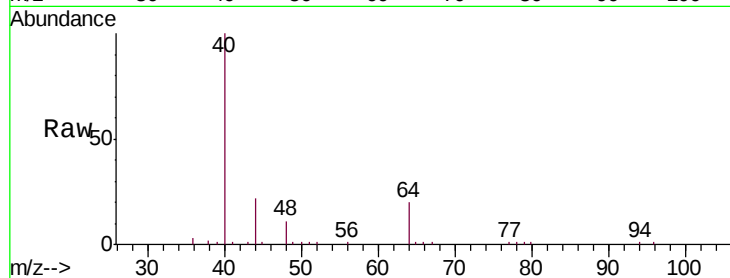
VHBLK01

Tgt Ion: 64 Resp: 1396

Ion Ratio Lower Upper

64 100

66 5.5 22.5 41.7#



#10

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

Concen: 0.683 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030448.D

Acq: 26 Mar 2019 17:08

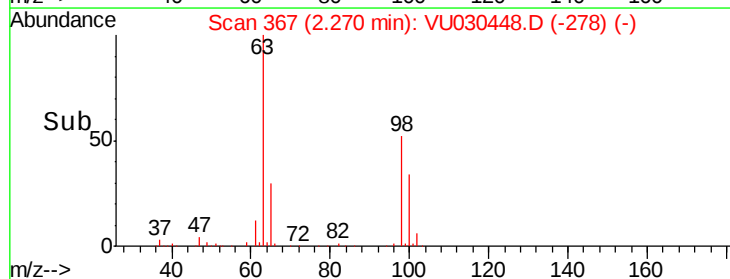
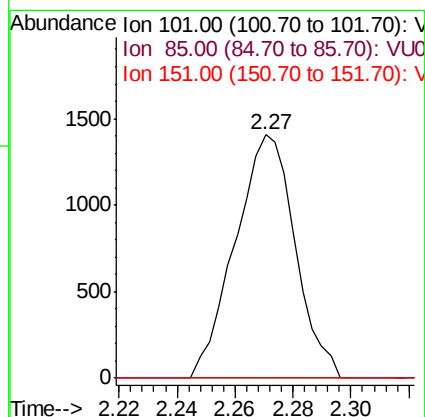
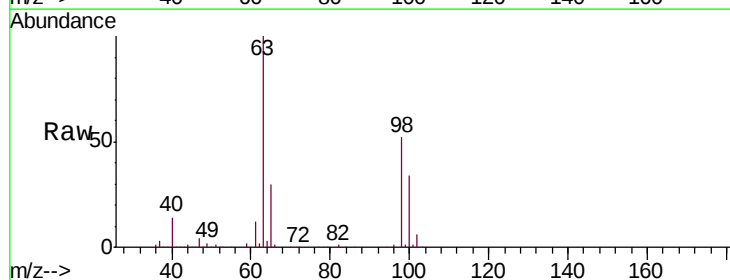
Tgt Ion: 101 Resp: 2019

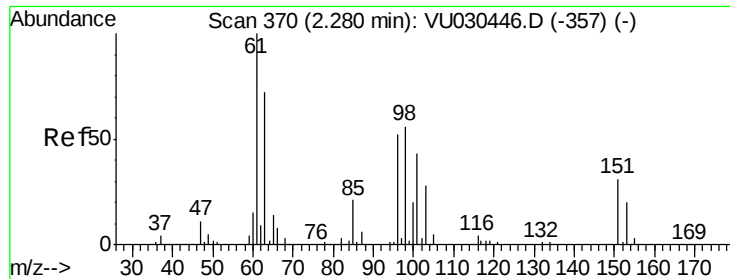
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#

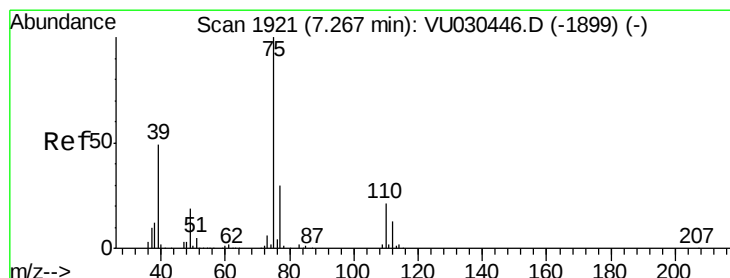
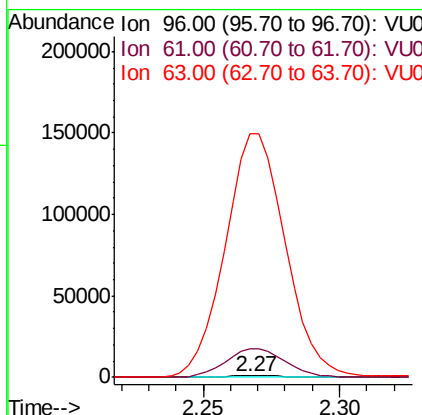
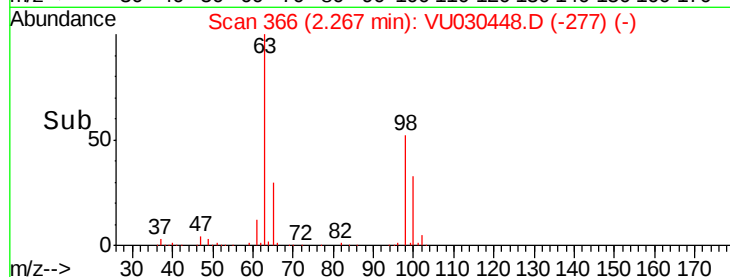
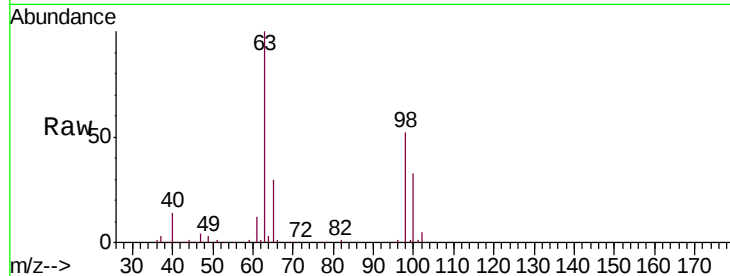




#12
 1,1-Dichloroethene
 Concen: 0.557 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU030448.D
 Acq: 26 Mar 2019 17:08

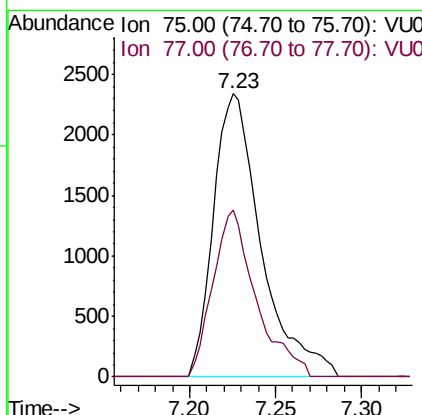
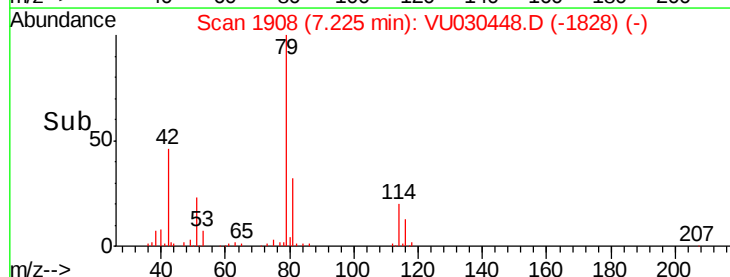
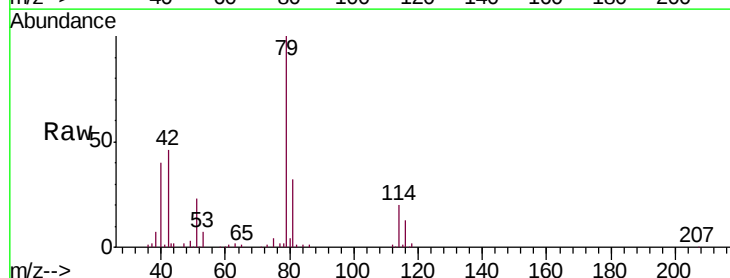
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

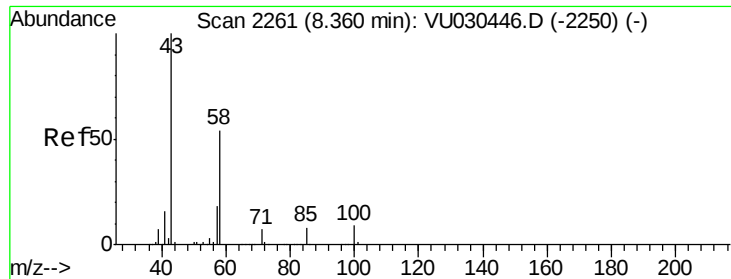
Tgt Ion: 96 Resp: 1613
 Ion Ratio Lower Upper
 96 100
 61 1863.3 131.0 243.4#
 63 15720.7 92.4 171.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.841 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030448.D
 Acq: 26 Mar 2019 17:08

Tgt Ion: 75 Resp: 4544
 Ion Ratio Lower Upper
 75 100
 77 59.1 21.8 40.6#

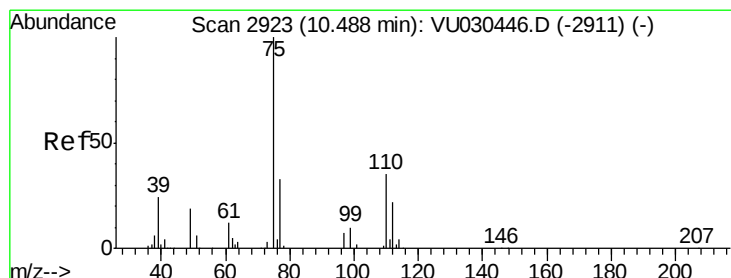
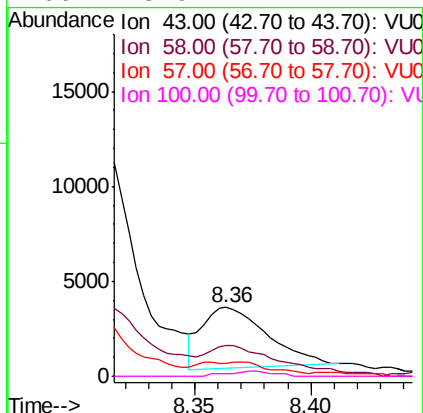
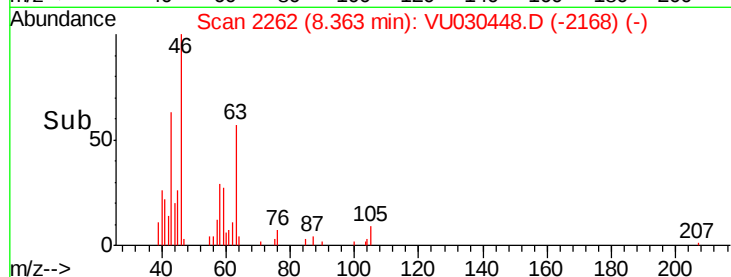
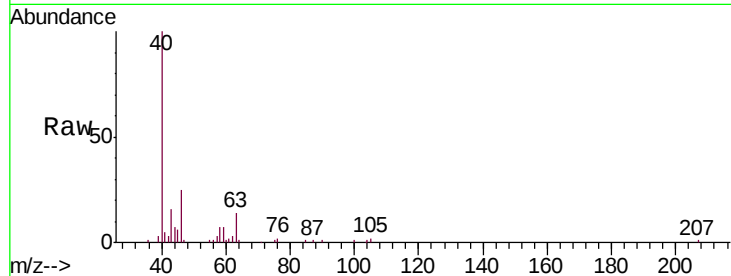




#48
2-Hexanone
Concen: 1.216 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030448.D
Acq: 26 Mar 2019 17:08

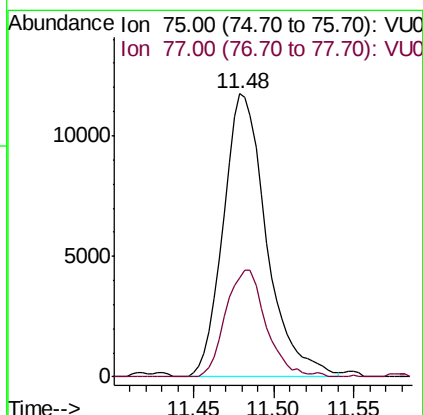
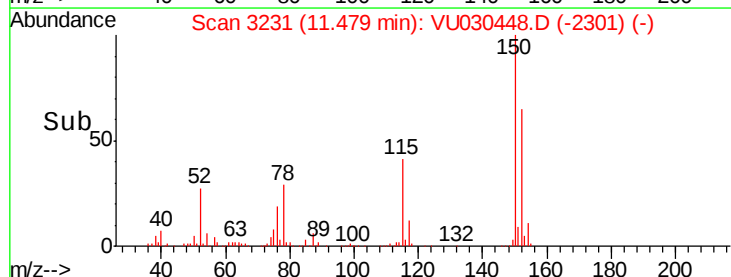
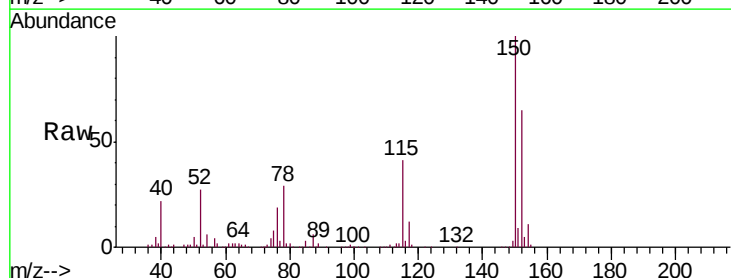
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

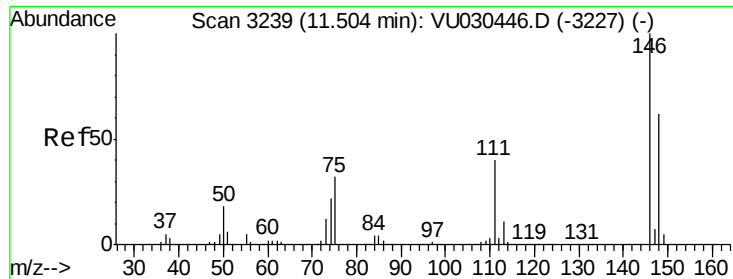
Tgt Ion: 43 Resp: 6290
Ion Ratio Lower Upper
43 100
58 38.2 42.5 63.7#
57 3.7 15.0 22.6#
100 5.9 7.4 11.2#



#59
1,2,3-Trichloropropane
Concen: 4.747 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030448.D
Acq: 26 Mar 2019 17:08

Tgt Ion: 75 Resp: 21707
Ion Ratio Lower Upper
75 100
77 34.7 25.4 38.2





#63

1,4-Dichlorobenzene

Concen: 0.801 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030448.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

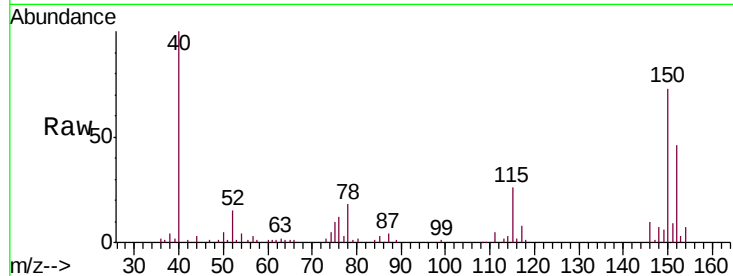
Tgt Ion:146 Resp: 4124

Ion Ratio Lower Upper

146 100

111 52.3 28.7 53.3

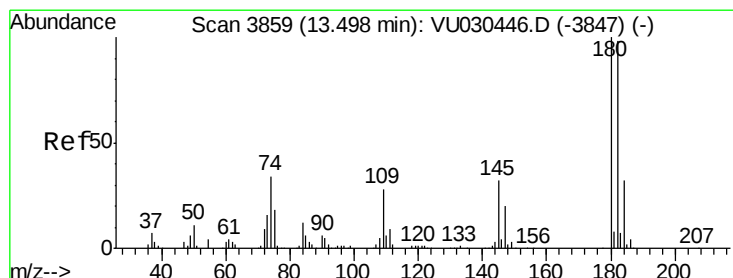
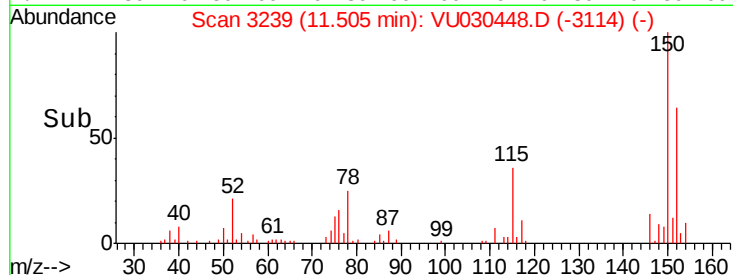
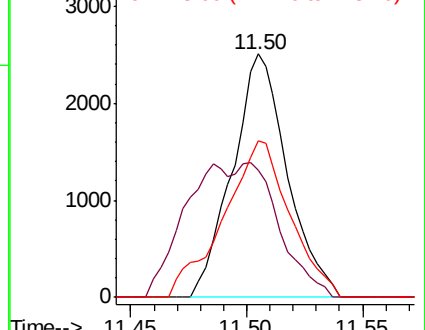
148 64.4 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.413 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.04 min

Lab File: VU030448.D

Acq: 26 Mar 2019 17:08

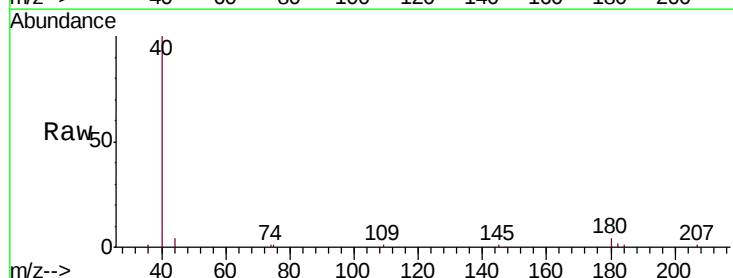
Tgt Ion:180 Resp: 1343

Ion Ratio Lower Upper

180 100

182 47.9 76.1 114.1#

145 19.4 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

