

Data File : VU030099.D
Acq On : 15 Mar 2019 10:35
Operator : JC/SP
Sample : VU0316WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK32

Quant Time: Mar 16 00:05:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	502343	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	483078	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	234966	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163264	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.28%
7) Chloroethane-d5	1.68	69	135160	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.78%
11) 1,1-Dichloroethene-d2	2.27	63	224722	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.94%
21) 2-Butanone-d5	4.17	46	254884	102.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.38%
24) Chloroform-d	4.64	84	292687	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
26) 1,2-Dichloroethane-d4	5.31	65	174113	50.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.12%
32) Benzene-d6	5.34	84	632481	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
36) 1,2-Dichloropropane-d6	6.33	67	196927	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.48%
41) Toluene-d8	7.56	98	571204	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.85	79	90897	49.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.62%
47) 2-Hexanone-d5	8.31	63	206017	96.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	286729	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	235910	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%

Target Compounds

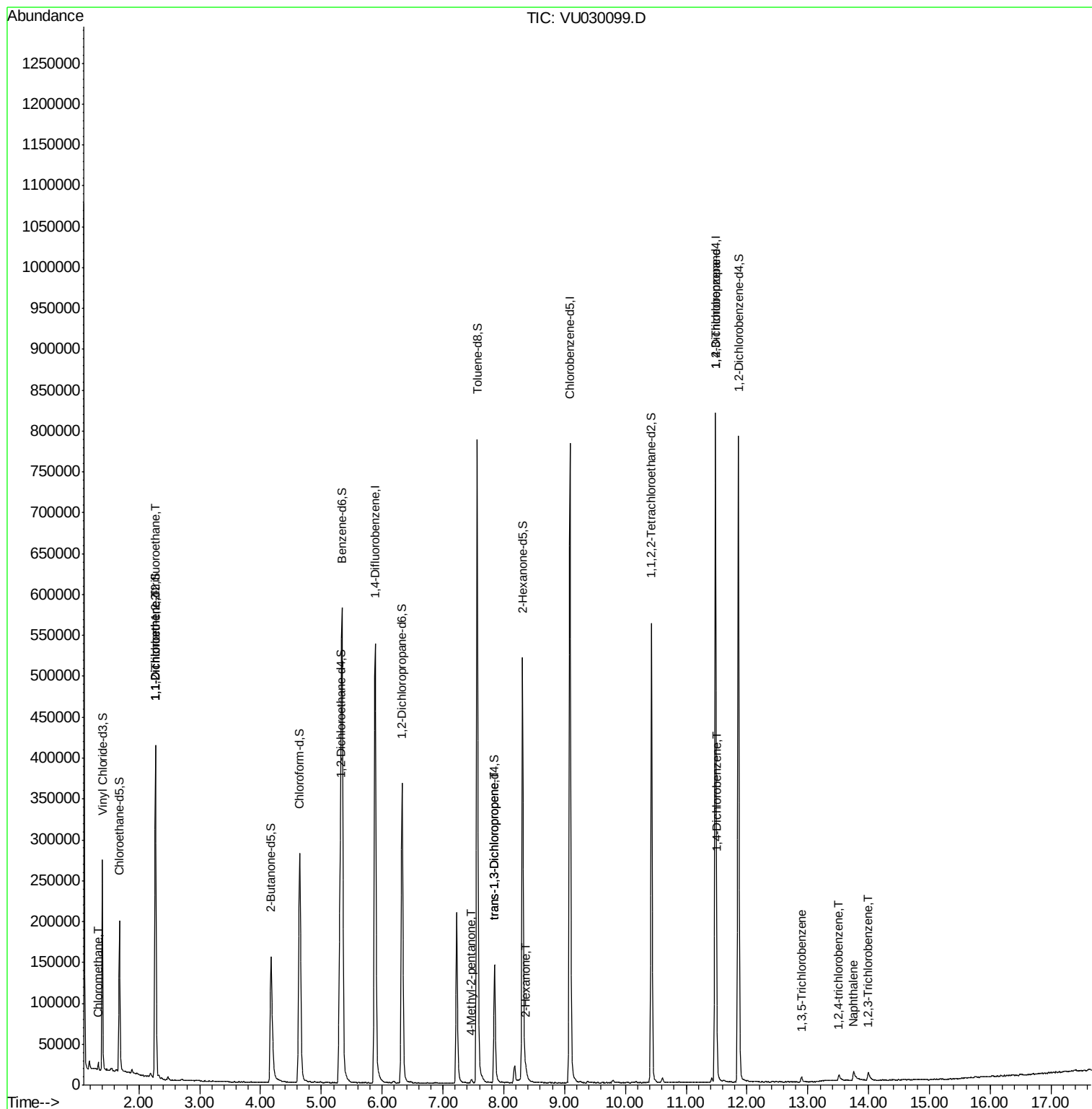
					Qvalue	
3) Chloromethane	1.33	50	6060	1.731	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2458	0.745	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	2187	0.695	ug/L #	1
40) 4-Methyl-2-pentanone	7.47	43	3477	0.708	ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	3762	0.728	ug/L #	68
48) 2-Hexanone	8.36	43	6559	1.566	ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	25451	5.375	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	4466	0.579	ug/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	3691	0.627	ug/L #	89
68) 1,2,4-trichlorobenzene	13.51	180	3555	0.660	ug/L #	78
69) Naphthalene	13.75	128	11851	0.677	ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	5705	1.019	ug/L	91

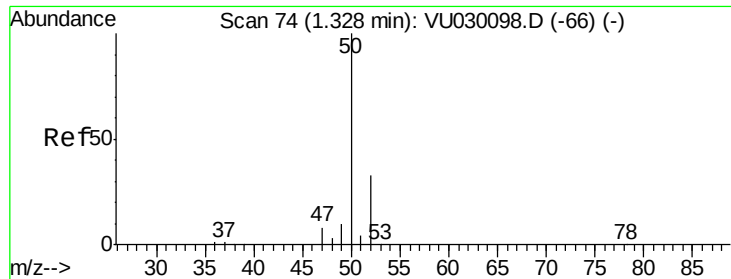
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.731 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030099.D

Acq: 15 Mar 2019 10:35

Instrument :

MSVOA_U

ClientSampleId :

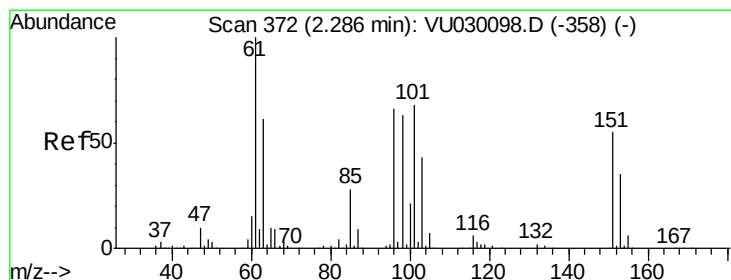
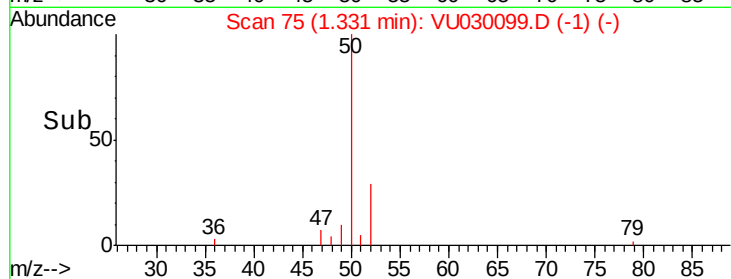
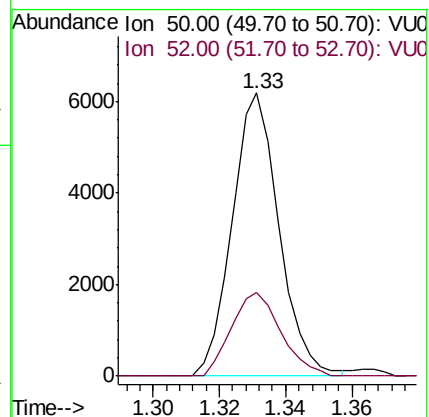
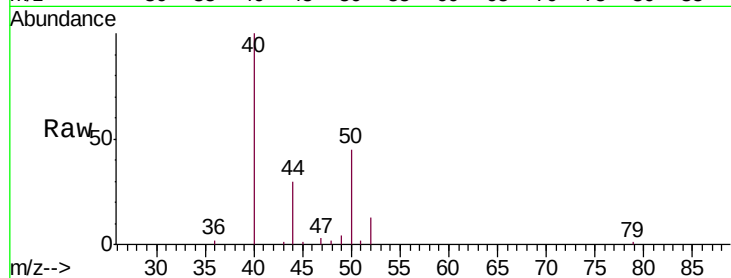
VBLK32

Tgt Ion: 50 Resp: 6060

Ion Ratio Lower Upper

50 100

52 29.4 23.4 43.6



#10

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

Concen: 0.745 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030099.D

Acq: 15 Mar 2019 10:35

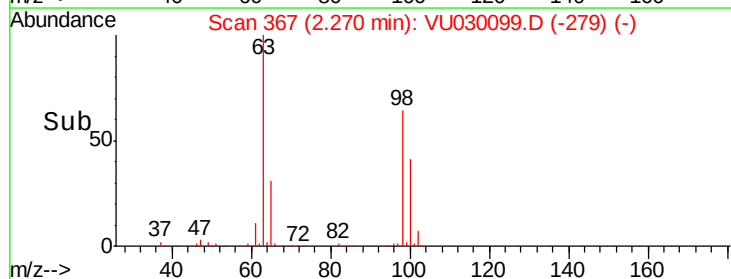
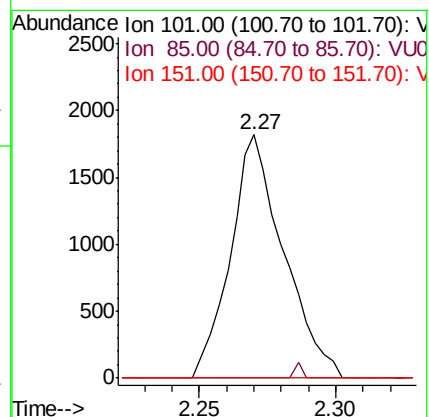
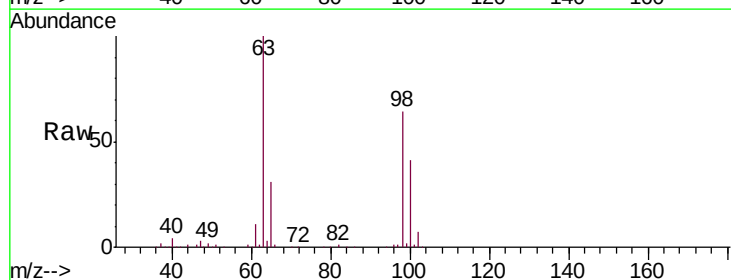
Tgt Ion: 101 Resp: 2458

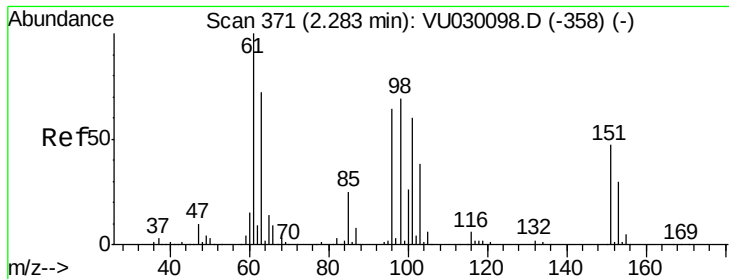
Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 0.0 66.1 99.1#

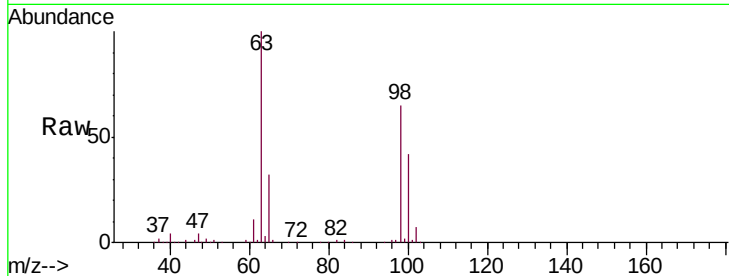




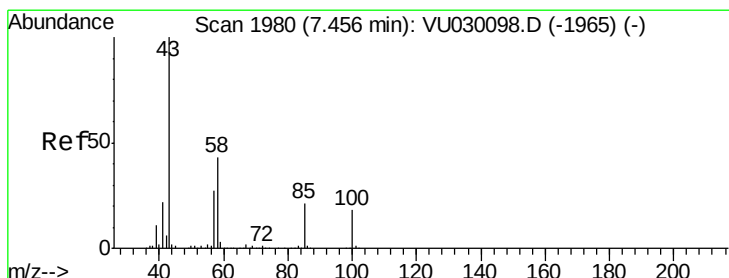
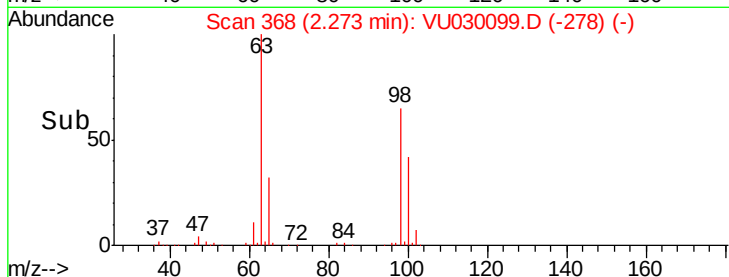
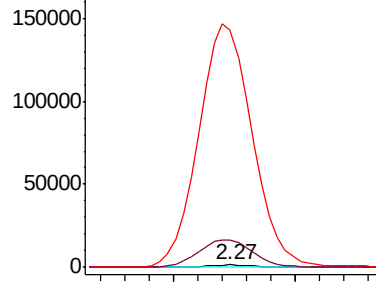
#12
 1,1-Dichloroethene
 Concen: 0.695 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK32

Tgt Ion: 96 Resp: 2187
 Ion Ratio Lower Upper
 96 100
 61 1155.9 110.4 205.0#
 63 10099.8 86.5 160.7#

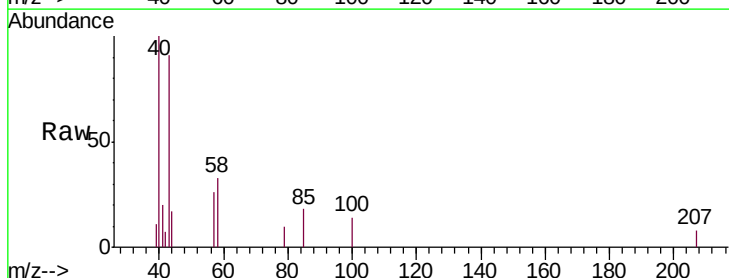


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

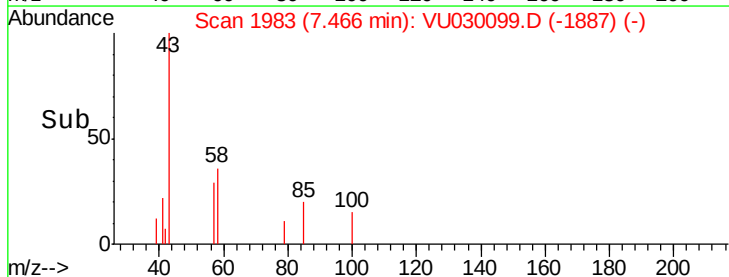
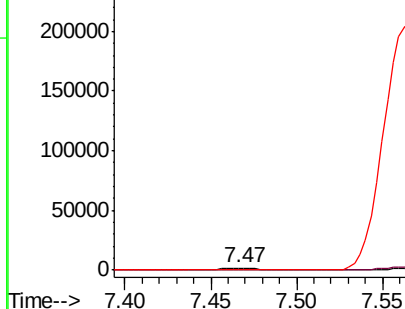


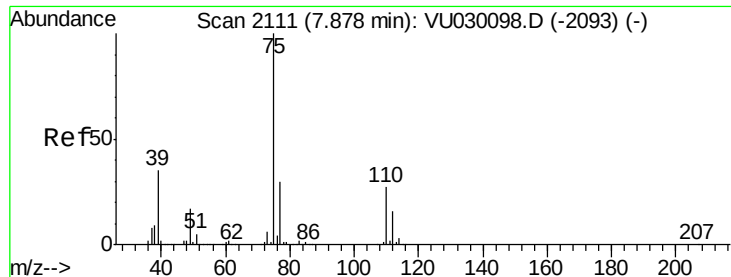
#40
 4-Methyl-2-pentanone
 Concen: 0.708 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

Tgt Ion: 43 Resp: 3477
 Ion Ratio Lower Upper
 43 100
 58 14.8 35.1 52.7#
 100 9.1 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

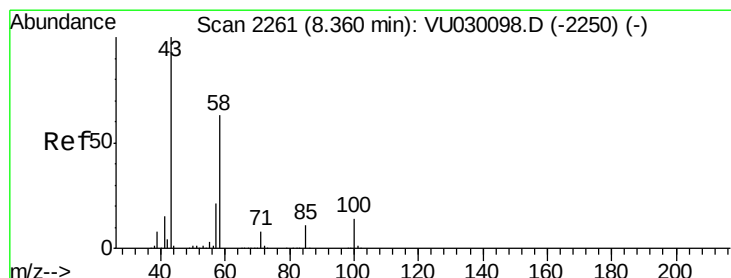
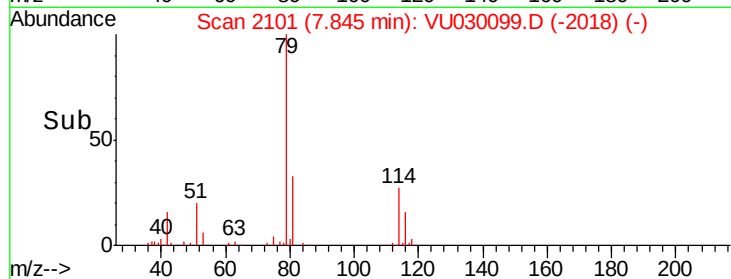
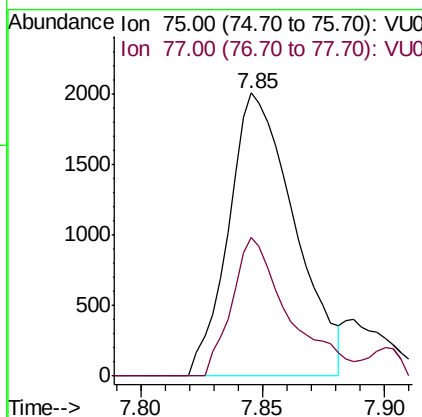
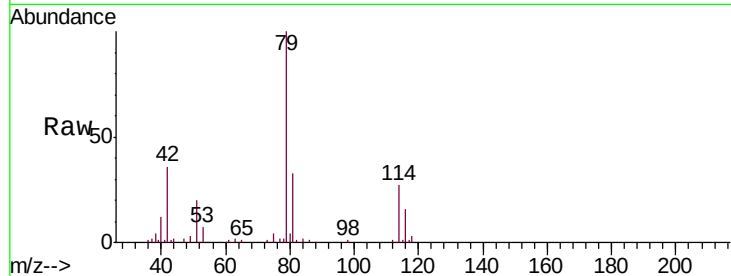




#44
trans-1,3-Dichloropropene
Concen: 0.728 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030099.D
Acq: 15 Mar 2019 10:35

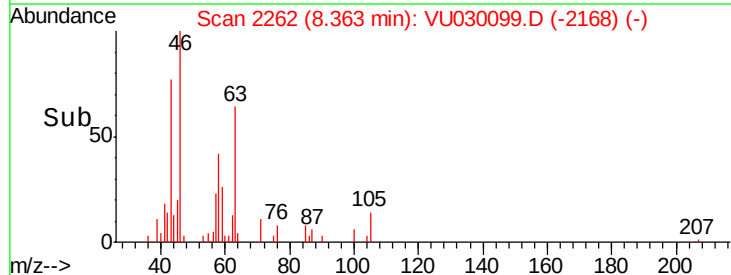
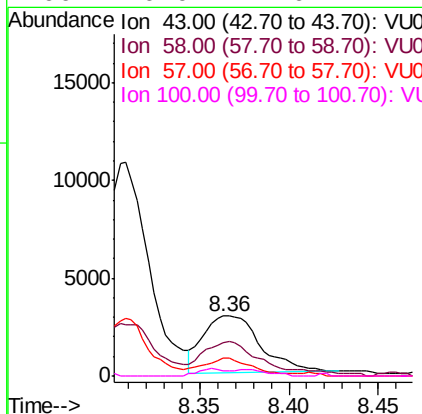
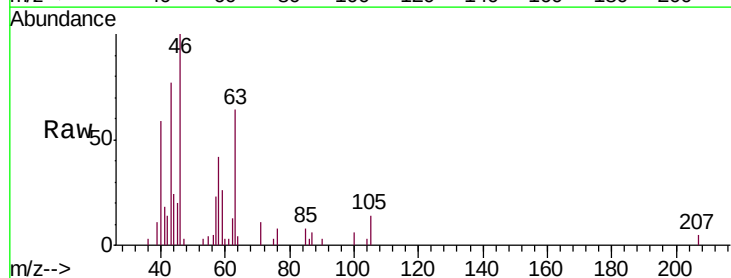
Instrument :
MSVOA_U
ClientSampleId :
VBLK32

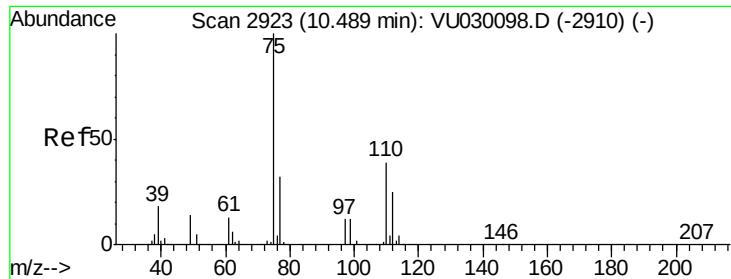
Tgt Ion: 75 Resp: 3762
Ion Ratio Lower Upper
75 100
77 49.1 21.9 40.7#



#48
2-Hexanone
Concen: 1.566 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030099.D
Acq: 15 Mar 2019 10:35

Tgt Ion: 43 Resp: 6559
Ion Ratio Lower Upper
43 100
58 53.9 48.6 72.8
57 26.6 16.1 24.1#
100 6.0 11.6 17.4#

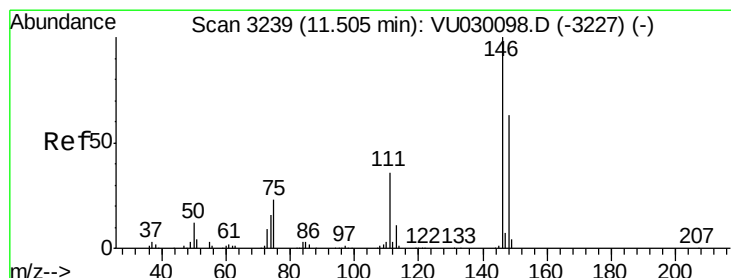
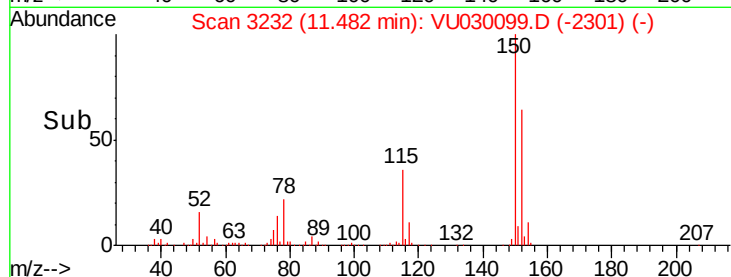
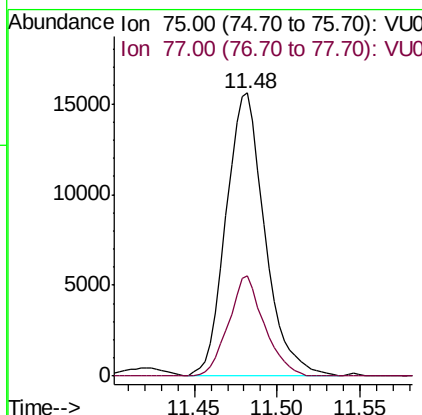
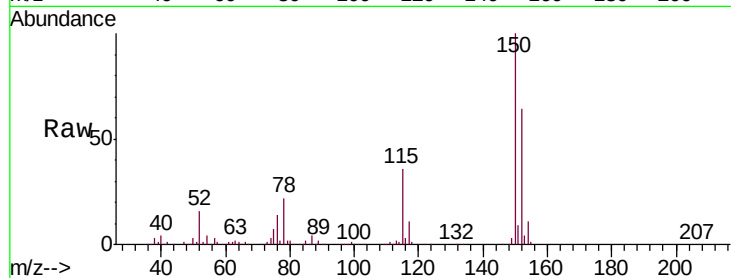




#59
 1,2,3-Trichloropropane
 Concen: 5.375 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

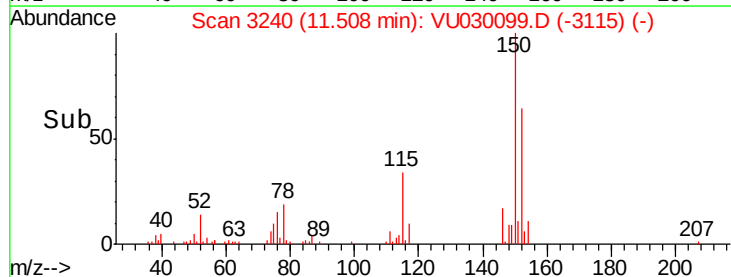
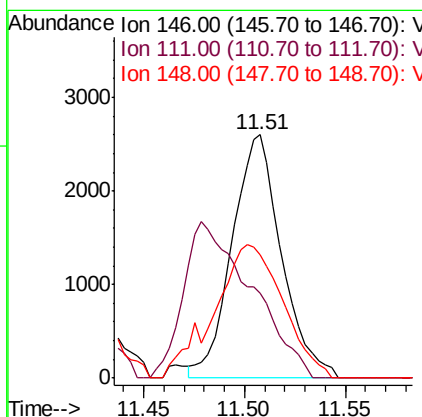
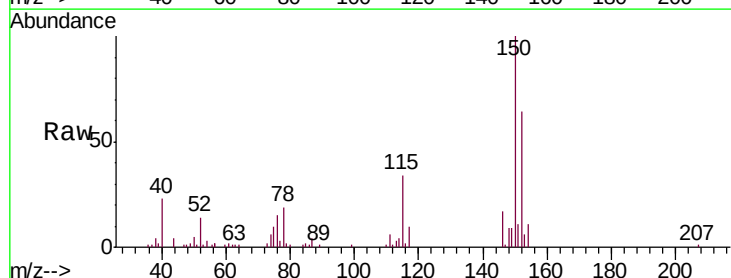
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK32

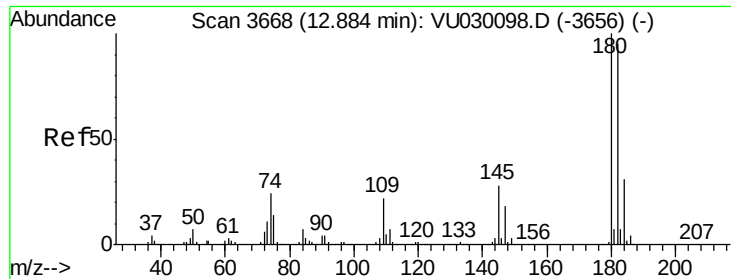
Tgt Ion: 75 Resp: 25451
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#63
 1,4-Dichlorobenzene
 Concen: 0.579 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

Tgt Ion: 146 Resp: 4466
 Ion Ratio Lower Upper
 146 100
 111 35.1 25.5 47.3
 148 50.5 45.0 83.6

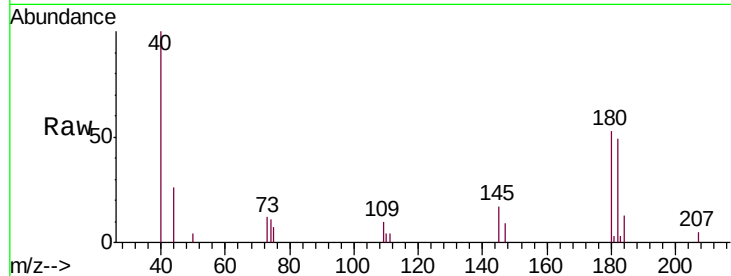




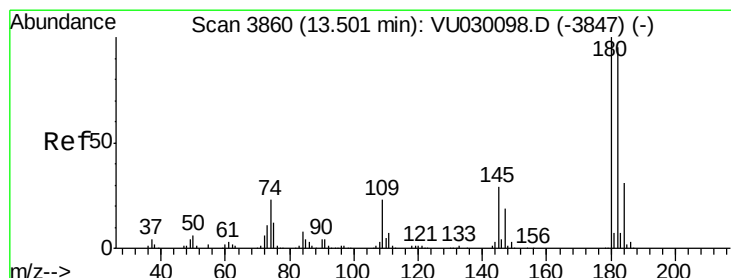
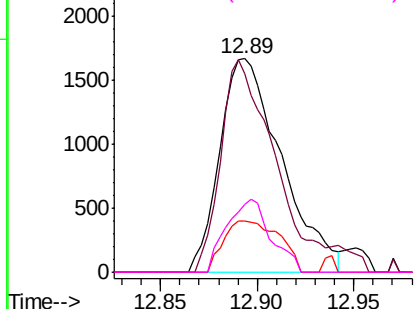
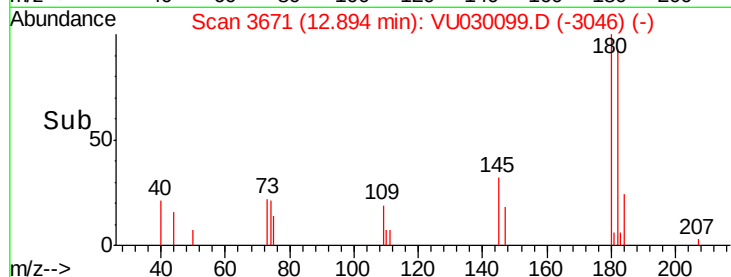
#67
 1,3,5-Trichlorobenzene
 Concen: 0.627 ug/L
 RT: 12.89 min Scan# 3671
 Delta R.T. 0.01 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK32

Tgt Ion:180 Resp: 3691
 Ion Ratio Lower Upper
 180 100
 182 86.0 76.3 114.5
 184 21.6 24.7 37.1#
 145 24.3 22.3 33.5

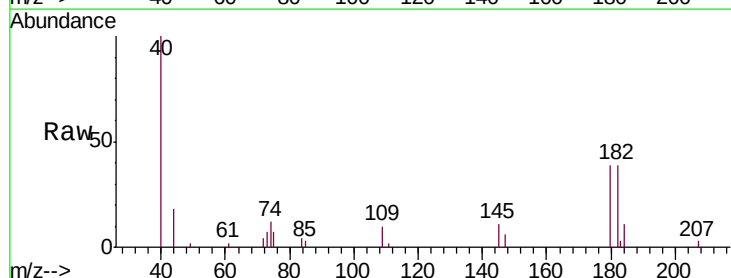


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

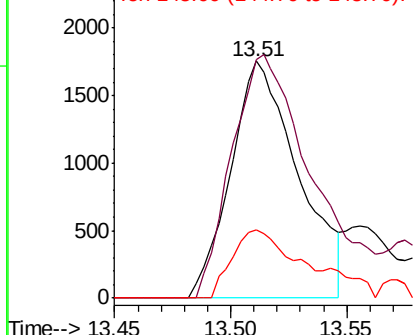
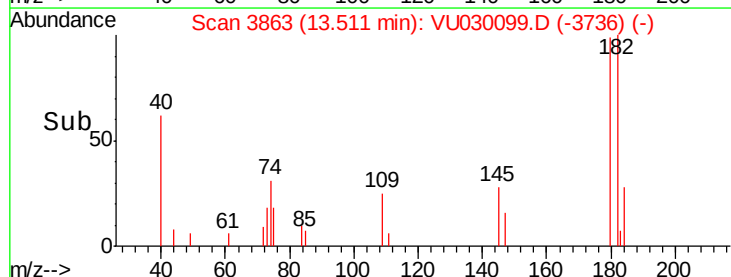


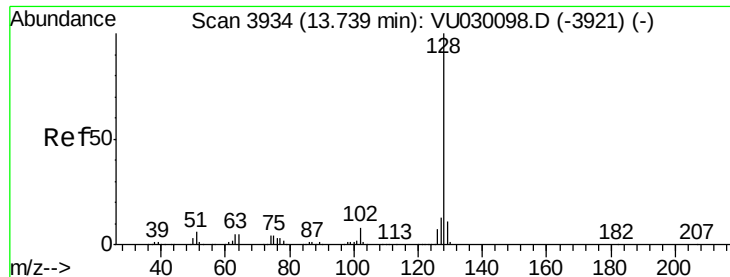
#68
 1,2,4-trichlorobenzene
 Concen: 0.660 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030099.D
 Acq: 15 Mar 2019 10:35

Tgt Ion:180 Resp: 3555
 Ion Ratio Lower Upper
 180 100
 182 122.0 76.1 114.1#
 145 26.7 23.0 34.4



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





#69

Naphthalene

Concen: 0.677 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU030099.D

Acq: 15 Mar 2019 10:35

Instrument :

MSVOA_U

ClientSampled :

VBLK32

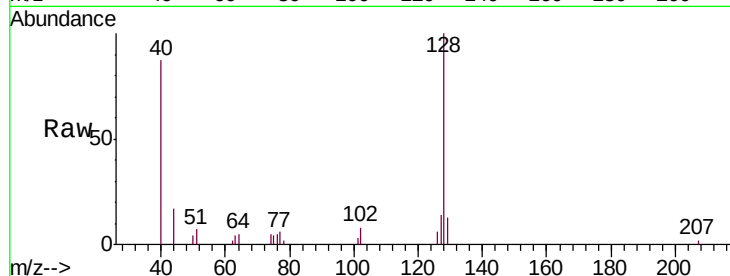
Tgt Ion:128 Resp: 11851

Ion Ratio Lower Upper

128 100

127 15.0 10.1 15.1

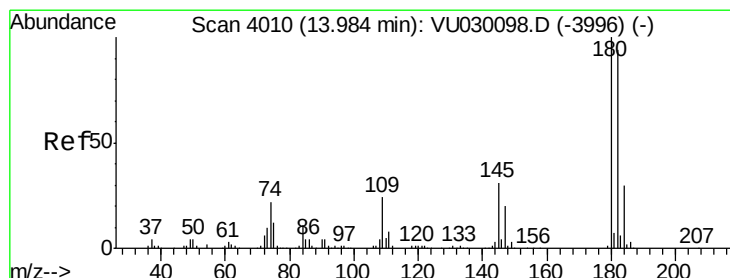
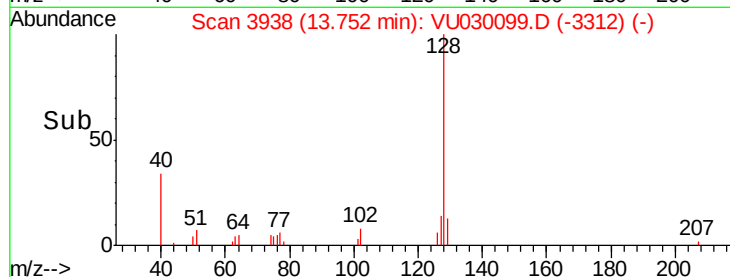
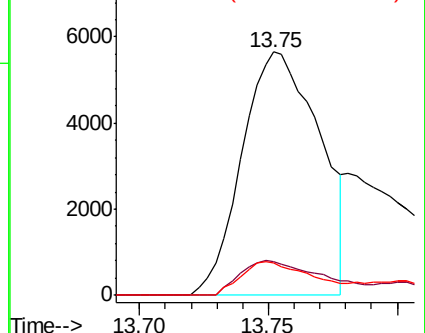
129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.019 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030099.D

Acq: 15 Mar 2019 10:35

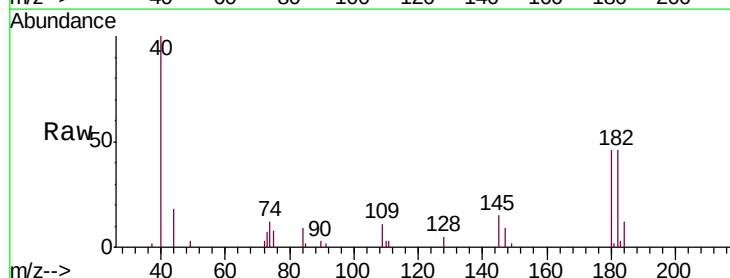
Tgt Ion:180 Resp: 5705

Ion Ratio Lower Upper

180 100

182 86.3 75.9 113.9

145 24.8 24.0 36.0



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

