

Data File : VU029060.D
Acq On : 07 Jan 2019 16:07
Operator : MD/SY
Sample : VU0107WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK49

Quant Time: Jan 08 03:14:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186158	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	173430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70332	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.68	69	56709	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.27	63	90023	35.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.74%
21) 2-Butanone-d5	4.17	46	104325	99.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.77%
24) Chloroform-d	4.64	84	116280	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
26) 1,2-Dichloroethane-d4	5.31	65	72766	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
32) Benzene-d6	5.34	84	254020	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
36) 1,2-Dichloropropane-d6	6.33	67	87390	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.00%
41) Toluene-d8	7.56	98	219190	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%
43) trans-1,3-Dichloropropene-	7.85	79	37127	49.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.56%
47) 2-Hexanone-d5	8.31	63	76071	96.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115150	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	74974	53.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.02%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	1096	1.053	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	849	0.704	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	734	0.615	ug/L #	1
35) Methylcyclohexane	6.33	83	18138	8.170	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7968	5.163	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1946	0.884	ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1390	0.709	ug/L #	82
51) Chlorobenzene	9.12	112	5854	1.660	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	9704	5.269	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	5392	2.378	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	4743	2.066	ug/L #	94
67) 1,3,5-Trichlorobenzene	13.51	180	1374	0.847	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	1374	1.011	ug/L	99
69) Naphthalene	13.76	128	3096	0.656	ug/L #	81
70) 1,2,3-Trichlorobenzene	14.00	180	1620	1.106	ug/L #	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

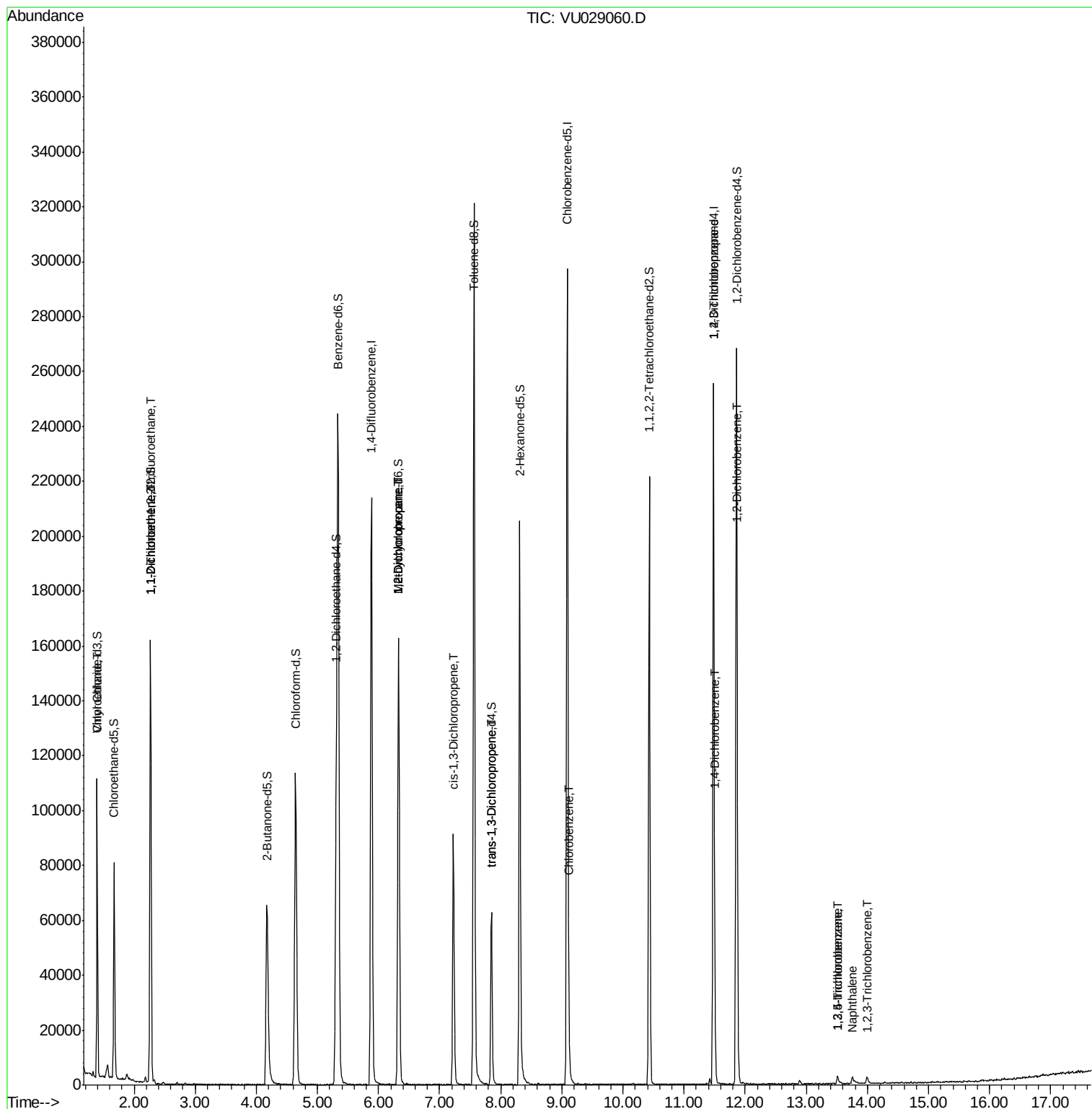
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

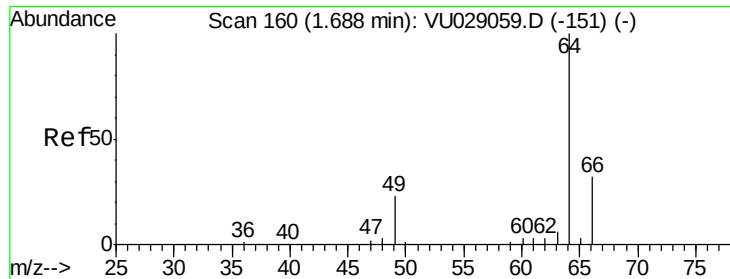
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Tue Jan 08 03:12:02 2019
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#8

Chloroethane

Concen: 1.053 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU029060.D

Acq: 07 Jan 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

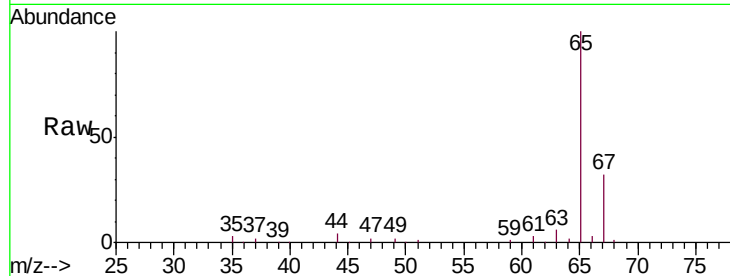
VBLK49

Tgt Ion: 64 Resp: 1096

Ion Ratio Lower Upper

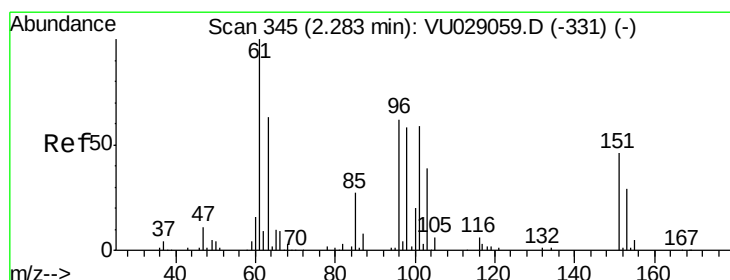
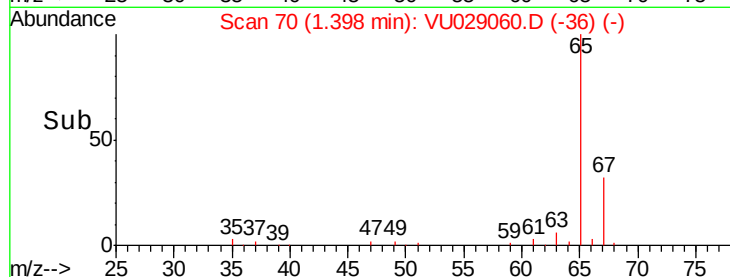
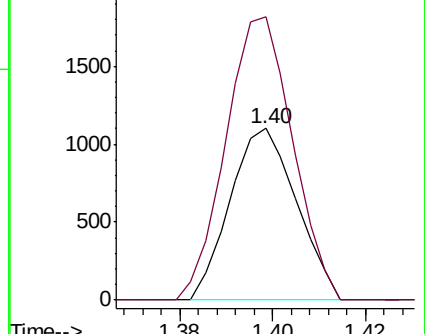
64 100

66 165.2 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.704 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU029060.D

Acq: 07 Jan 2019 16:07

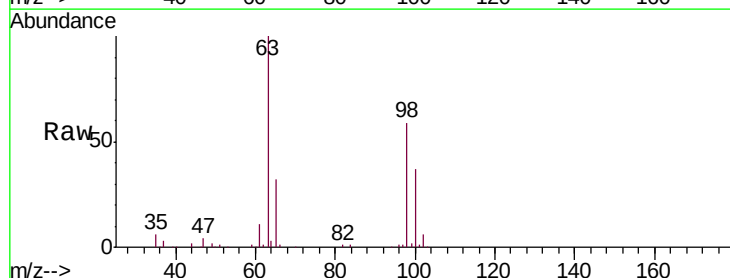
Tgt Ion: 101 Resp: 849

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

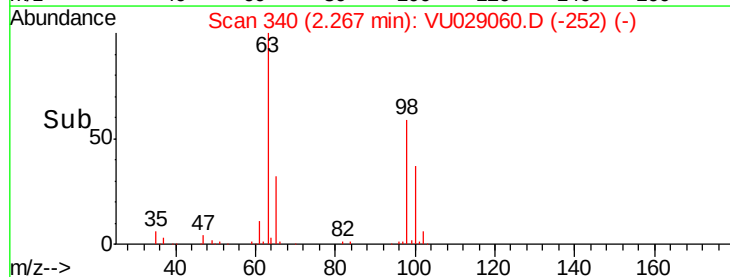
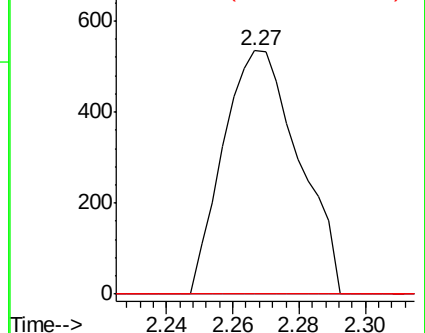
151 0.0 59.4 89.0#

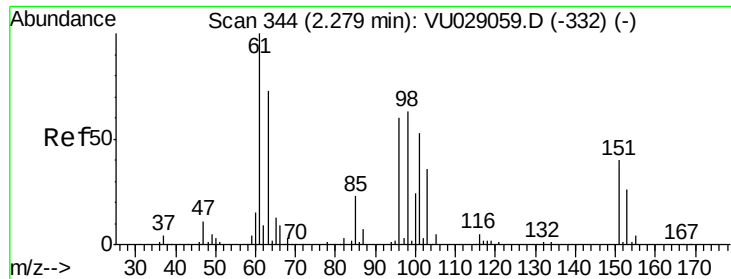


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

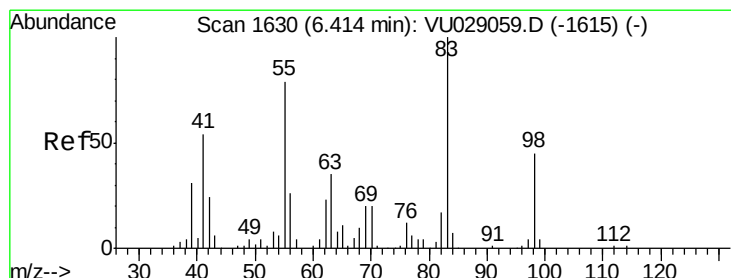
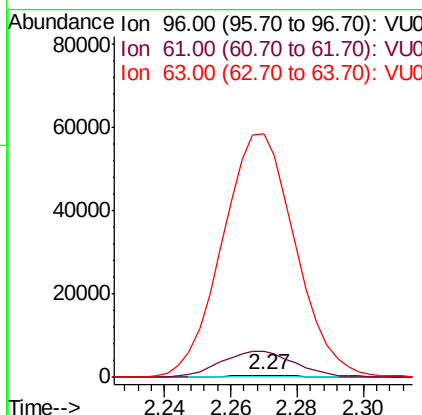
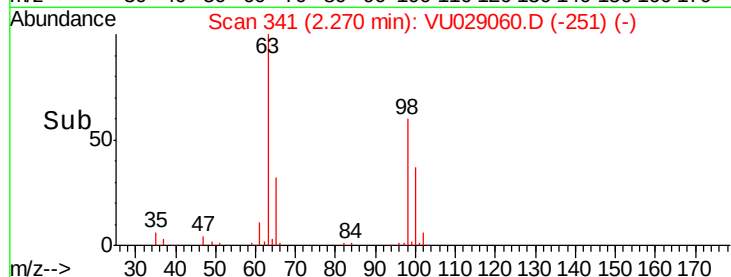
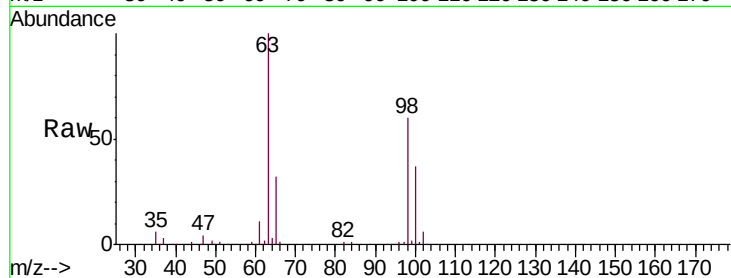




#12
 1,1-Dichloroethene
 Concen: 0.615 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

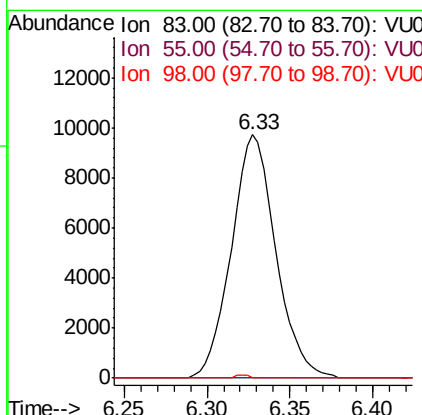
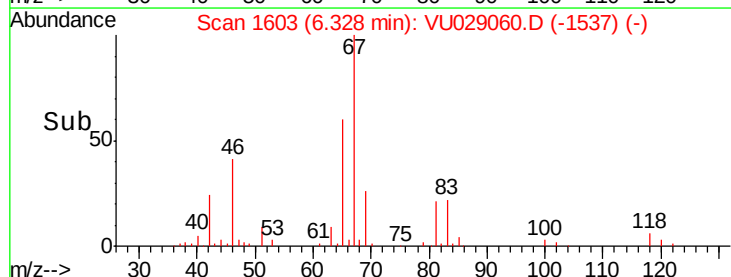
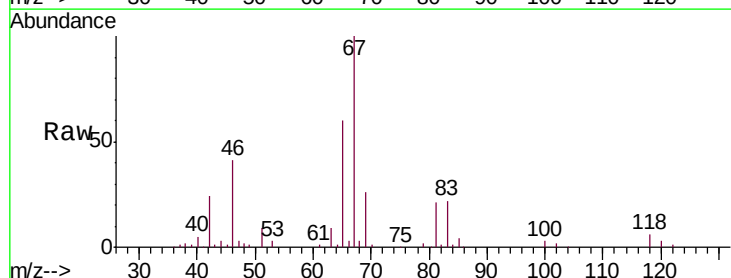
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

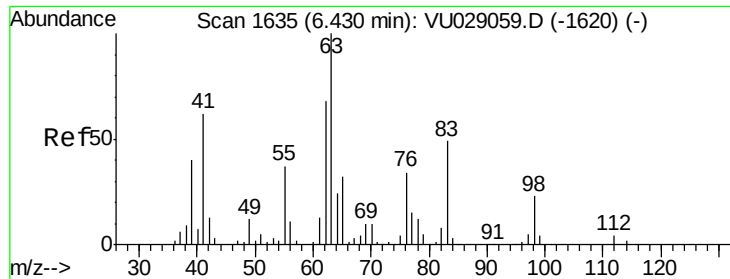
Tgt Ion: 96 Resp: 734
 Ion Ratio Lower Upper
 96 100
 61 1284.8 119.3 221.5#
 63 12166.3 107.4 199.6#



#35
 Methylcyclohexane
 Concen: 8.170 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.09 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Tgt Ion: 83 Resp: 18138
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.7 95.5#
 98 0.4 35.6 53.4#

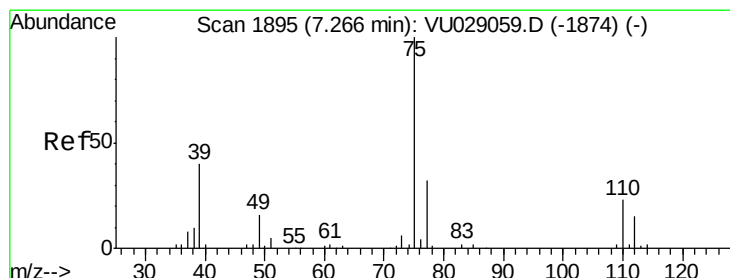
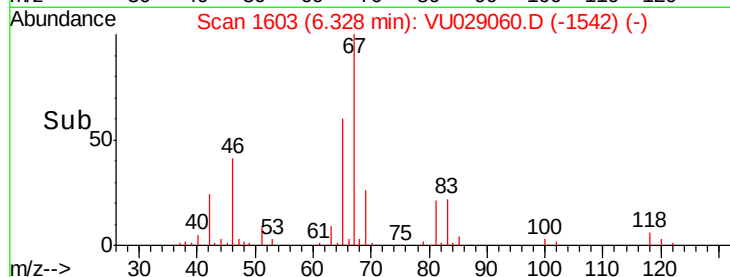
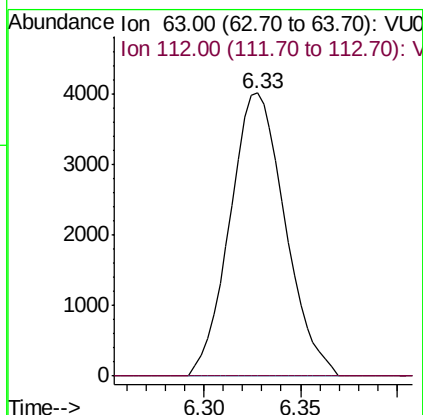
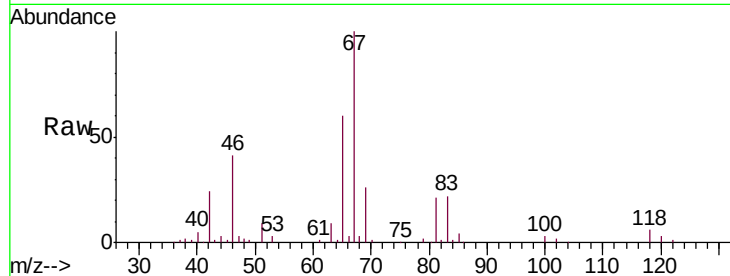




#37
 1,2-Dichloropropane
 Concen: 5.163 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

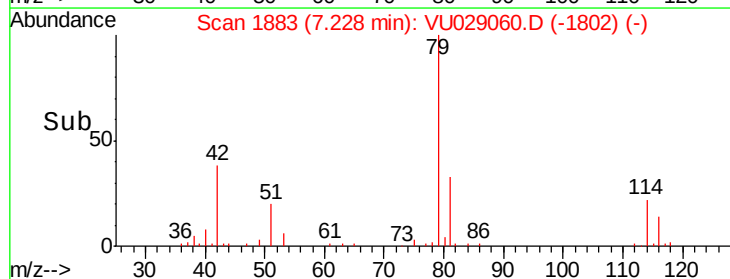
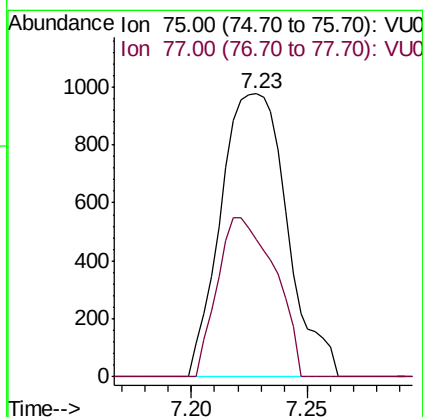
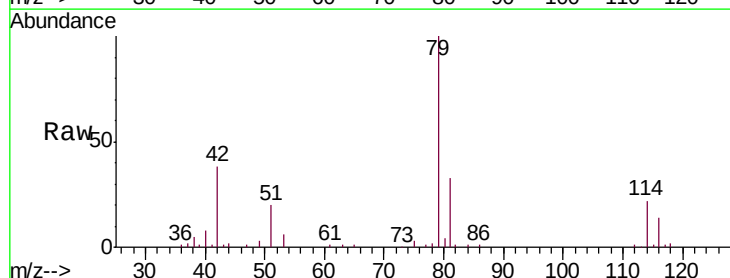
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

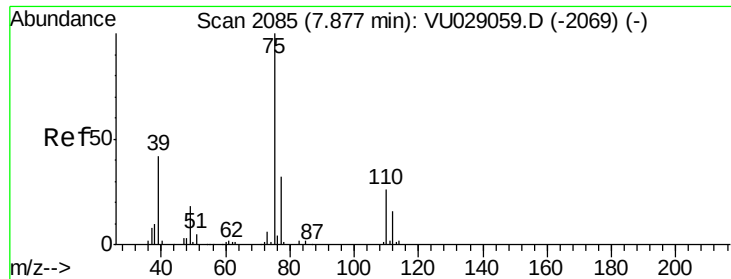
Tgt Ion: 63 Resp: 7968
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.884 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Tgt Ion: 75 Resp: 1946
 Ion Ratio Lower Upper
 75 100
 77 48.4 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.709 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU029060.D

Acq: 07 Jan 2019 16:07

Instrument :

MSVOA_U

ClientSampleId :

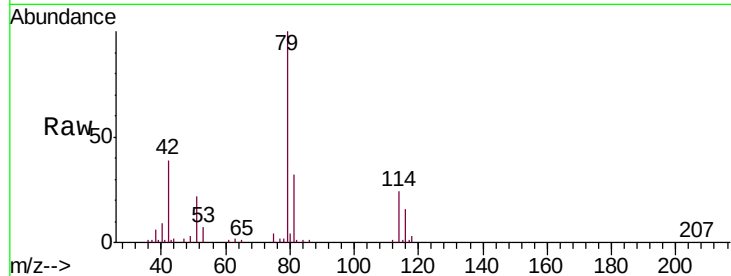
VBLK49

Tgt Ion: 75 Resp: 1390

Ion Ratio Lower Upper

75 100

77 41.2 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

800

600

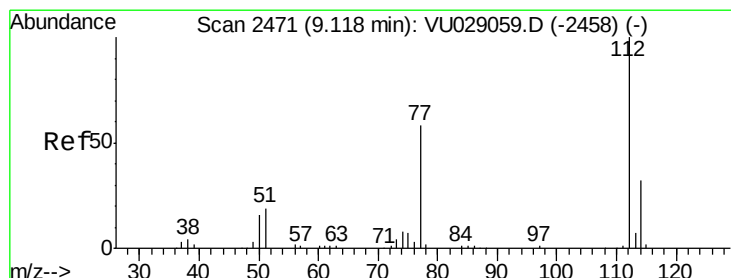
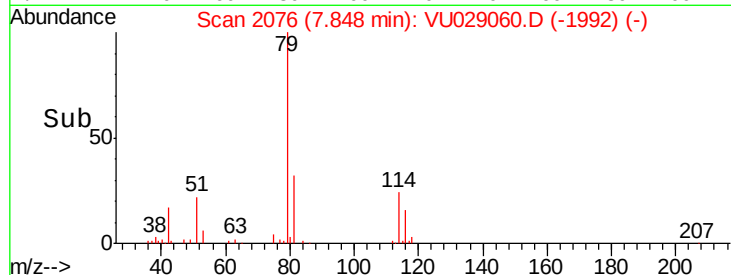
400

200

0

7.82 7.84 7.86 7.88

Time-->



#51

Chlorobenzene

Concen: 1.660 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU029060.D

Acq: 07 Jan 2019 16:07

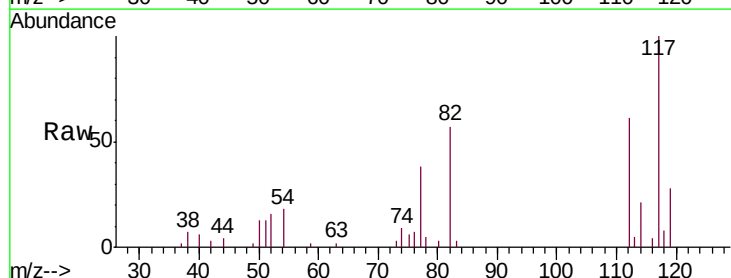
Tgt Ion: 112 Resp: 5854

Ion Ratio Lower Upper

112 100

114 34.4 22.2 41.2

77 62.9 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

4000

3000

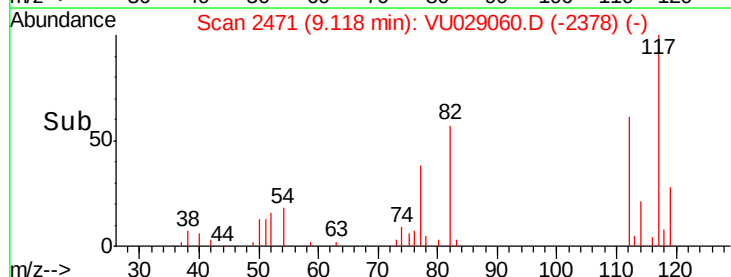
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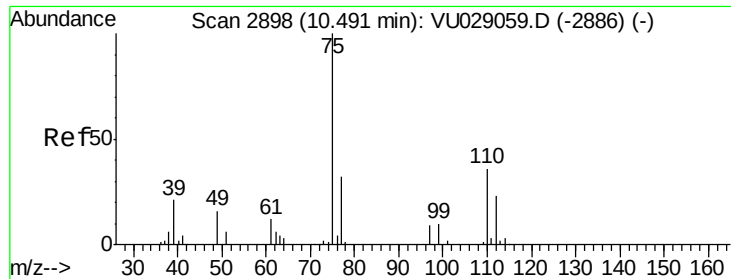
1000

0

9.05 9.10 9.15

Time-->

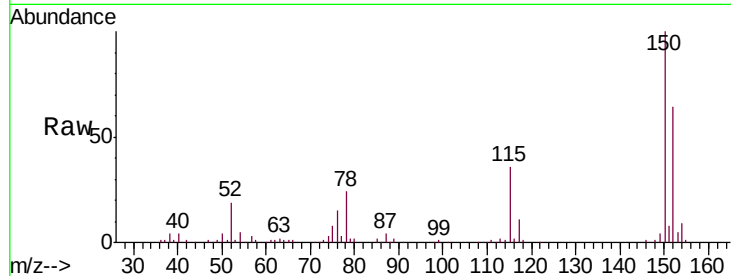




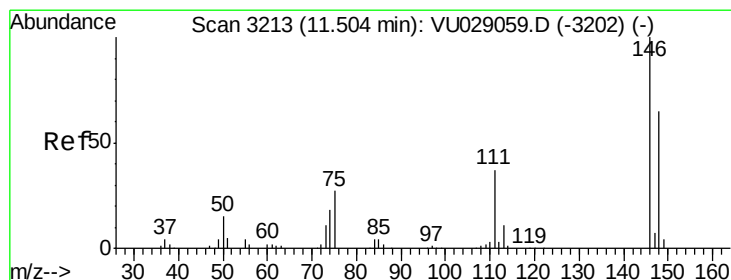
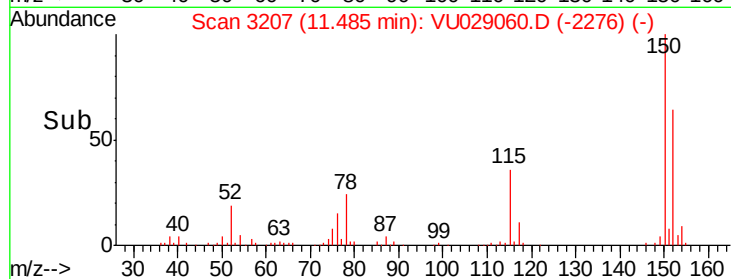
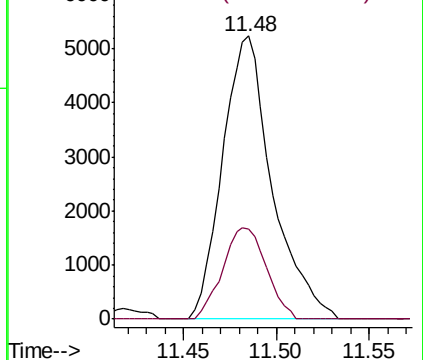
#59
 1,2,3-Trichloropropane
 Concen: 5.269 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Tgt Ion: 75 Resp: 9704
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.5 38.3

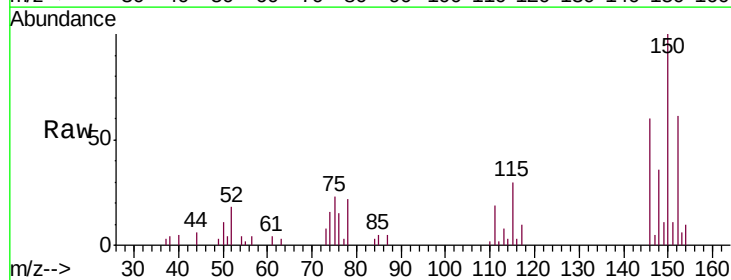


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

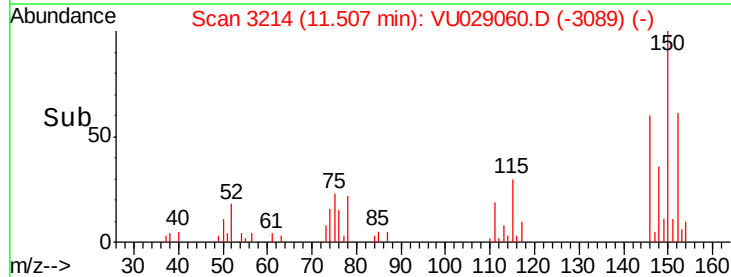
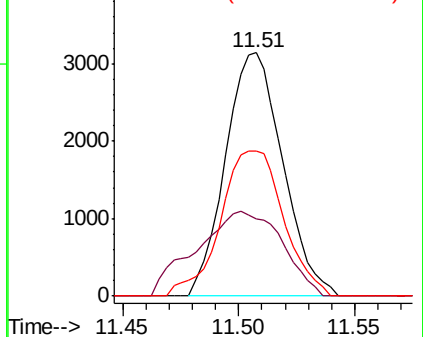


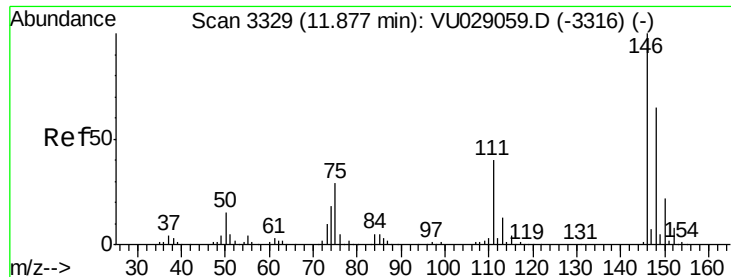
#63
 1,4-Dichlorobenzene
 Concen: 2.378 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Tgt Ion: 146 Resp: 5392
 Ion Ratio Lower Upper
 146 100
 111 31.7 26.5 49.1
 148 59.8 45.1 83.9



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

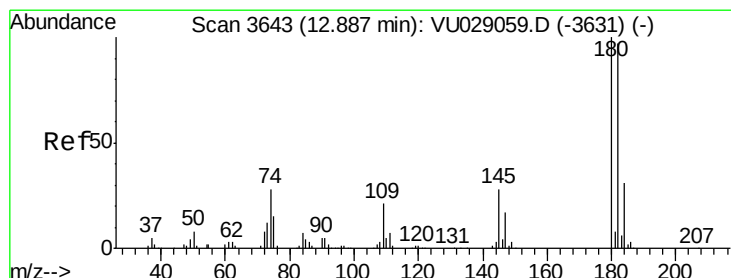
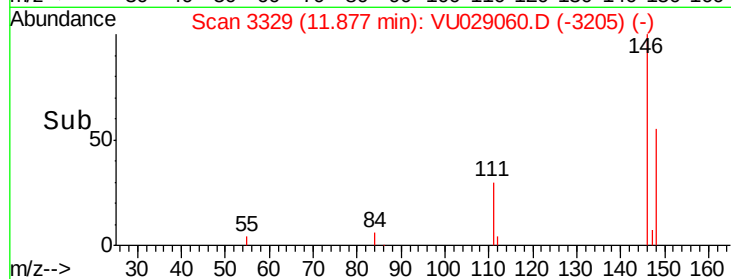
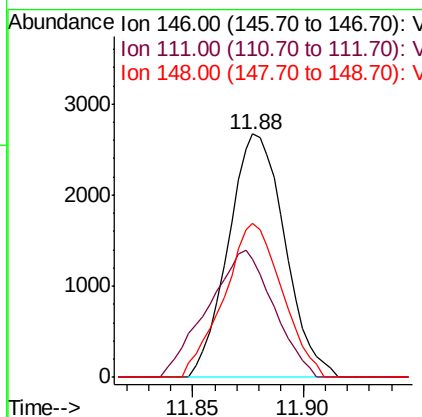
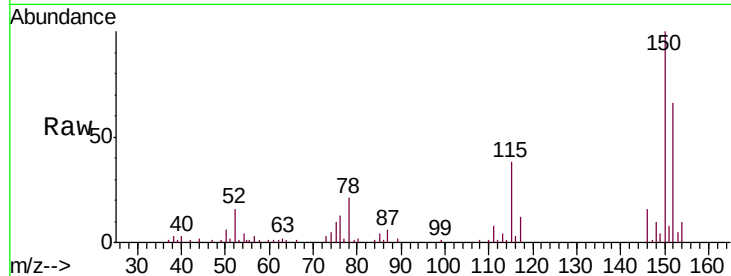




#65
 1,2-Dichlorobenzene
 Concen: 2.066 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

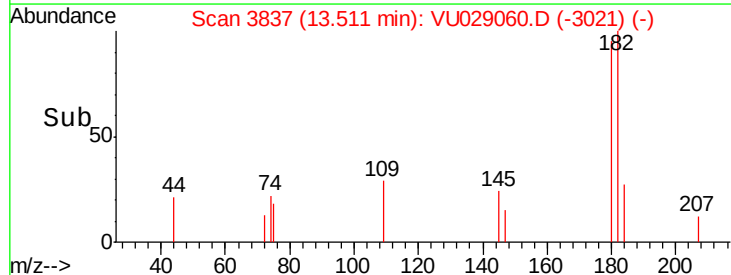
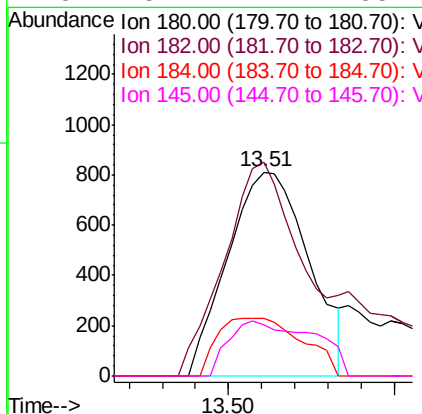
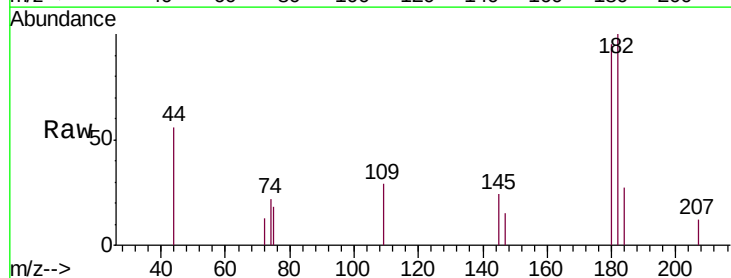
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

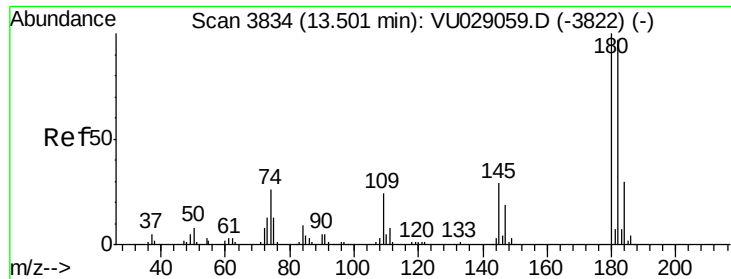
Tgt Ion:146 Resp: 4743
 Ion Ratio Lower Upper
 146 100
 111 48.7 32.1 48.1#
 148 63.4 49.7 74.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.847 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.62 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Tgt Ion:180 Resp: 1374
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.4 114.6
 184 29.5 24.6 36.8
 145 28.4 22.1 33.1

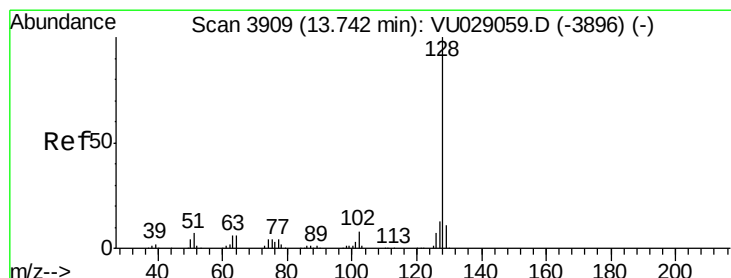
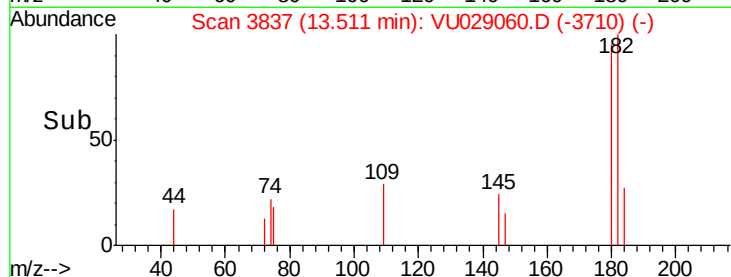
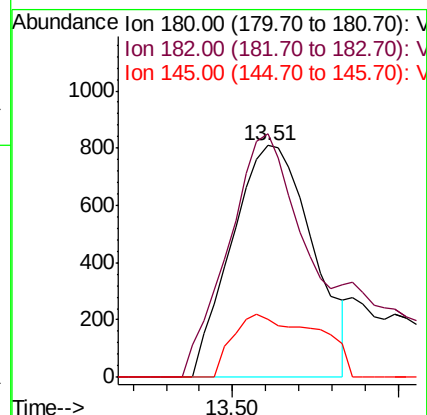
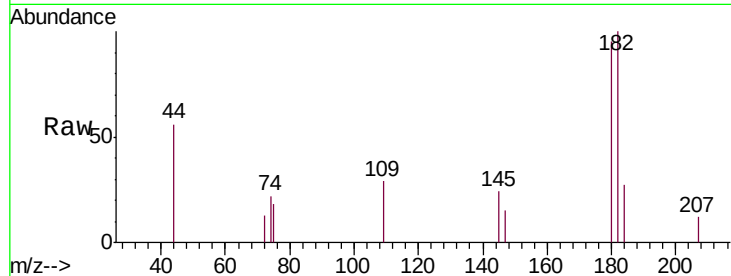




#68
 1,2,4-trichlorobenzene
 Concen: 1.011 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

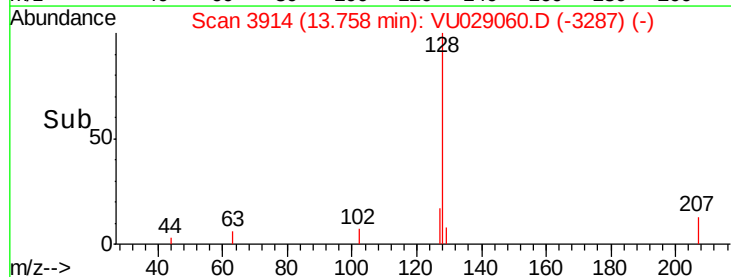
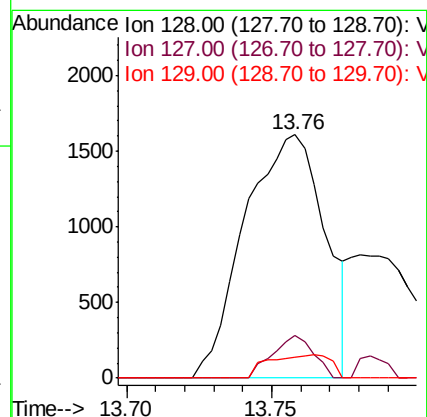
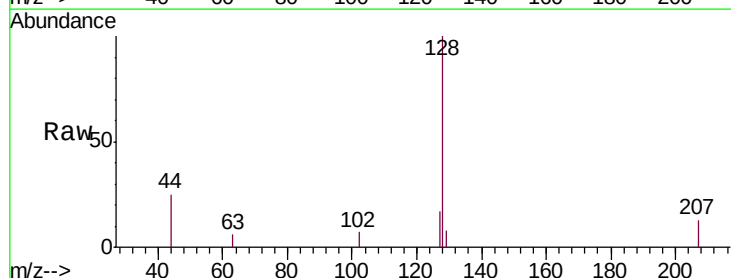
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

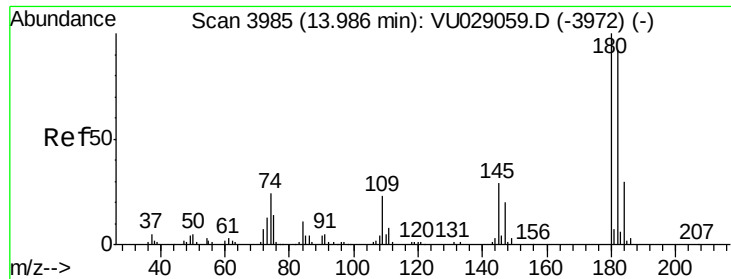
Tgt Ion:180 Resp: 1374
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.4 116.0
 145 28.4 23.5 35.3



#69
 Naphthalene
 Concen: 0.656 ug/L
 RT: 13.76 min Scan# 3914
 Delta R.T. 0.02 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Tgt Ion:128 Resp: 3096
 Ion Ratio Lower Upper
 128 100
 127 9.0 10.5 15.7#
 129 0.0 8.7 13.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.106 ug/L
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU029060.D
 Acq: 07 Jan 2019 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Tgt Ion:180 Resp: 1620
 Ion Ratio Lower Upper
 180 100
 182 84.7 75.8 113.8
 145 15.4 24.5 36.7#

