

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
 Data File : VU028527.D
 Acq On : 07 Dec 2018 12:49
 Operator : MD/SY
 Sample : VU1207WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

Quant Time: Dec 07 22:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:52:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	156870	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	148038	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73581	52.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.40%
7) Chloroethane-d5	1.68	69	56467	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.27	63	96789	38.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.44%
21) 2-Butanone-d5	4.17	46	117030	102.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.06%
24) Chloroform-d	4.65	84	113010	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	5.31	65	77383	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
32) Benzene-d6	5.34	84	241880	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.36%
36) 1,2-Dichloropropane-d6	6.33	67	85920	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.56	98	213559	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%
43) trans-1,3-Dichloropropene-	7.85	79	38993	52.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.00%
47) 2-Hexanone-d5	8.31	63	84132	105.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107216	50.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	72988	53.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.98%

Target Compounds

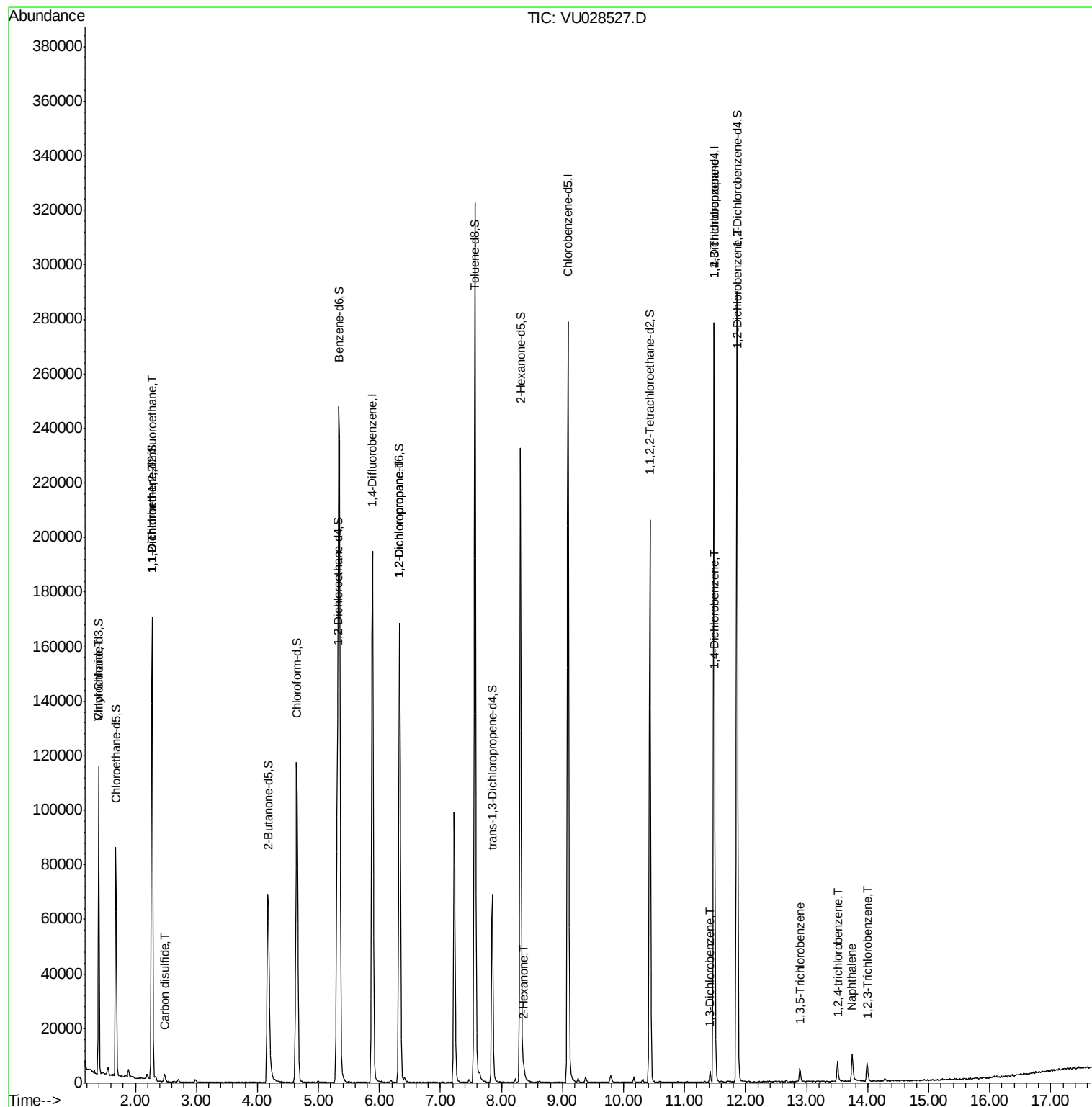
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Chloroethane	1.40	64	1030	1.074	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	945	0.924	ug/L #	26
12) 1,1-Dichloroethene	2.28	96	878	0.895	ug/L #	1
14) Carbon disulfide	2.48	76	3720	1.005	ug/L	100
37) 1,2-Dichloropropane	6.33	63	8691	5.814	ug/L #	91
48) 2-Hexanone	8.37	43	2973	1.511	ug/L #	47
59) 1,2,3-Trichloropropane	11.48	75	10675	6.280	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1769	0.808	ug/L	90
63) 1,4-Dichlorobenzene	11.50	146	2522	1.143	ug/L	85
65) 1,2-Dichlorobenzene	11.87	146	1574	0.723	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.89	180	1842	1.140	ug/L	93
68) 1,2,4-trichlorobenzene	13.50	180	2779	1.848	ug/L	89
69) Naphthalene	13.75	128	10288	1.985	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	2849	1.885	ug/L	97

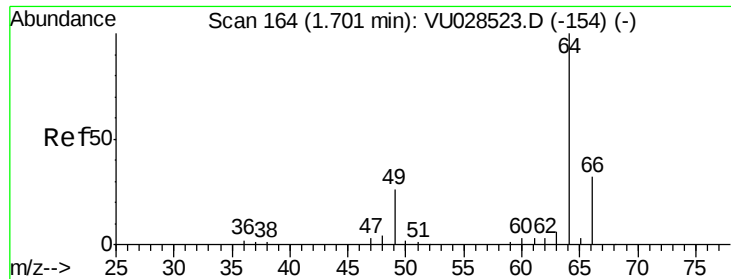
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 07 22:52:51 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.074 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.30 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

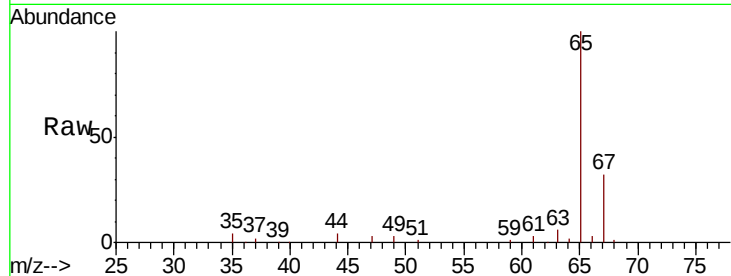
VBLK50

Tgt Ion: 64 Resp: 1030

Ion Ratio Lower Upper

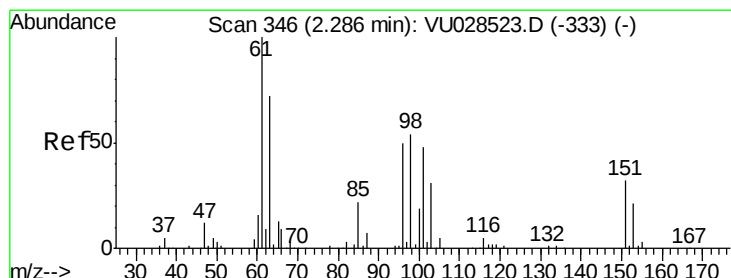
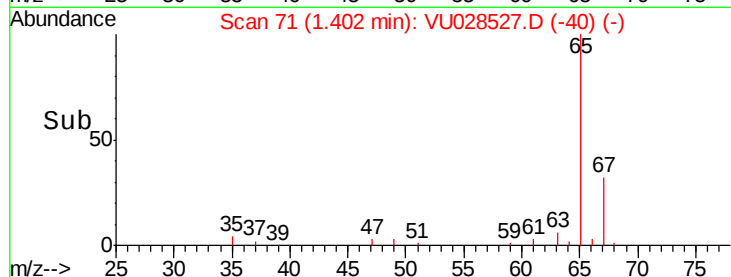
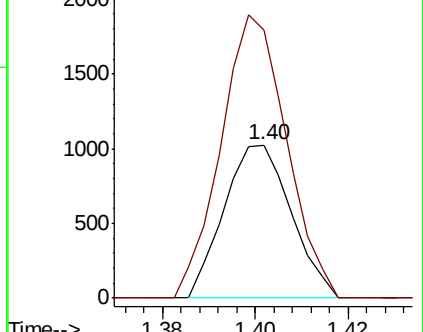
64 100

66 175.7 22.4 41.6#



Abundance Ion 64.00 (63.70 to 64.70): VU028527.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU028527.D (-154) (-)



#10

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

Concen: 0.924 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

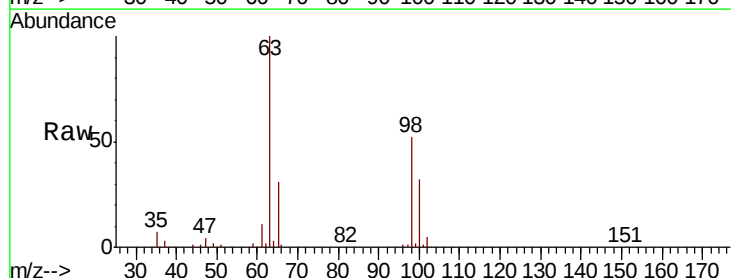
Tgt Ion: 101 Resp: 945

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

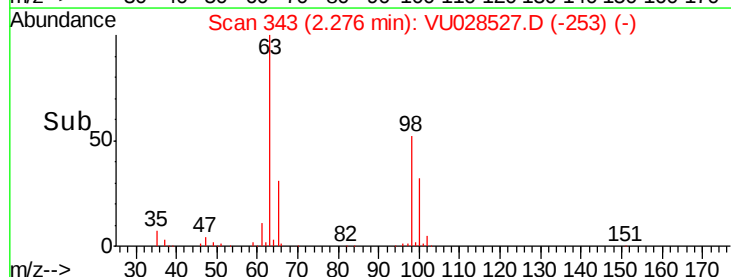
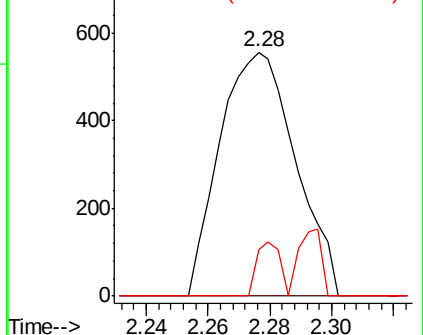
151 6.9 55.8 83.8#

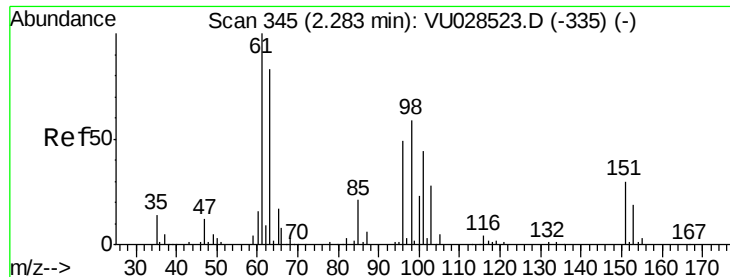


Abundance Ion 101.00 (100.70 to 101.70): VU028527.D (-253) (-)

Ion 85.00 (84.70 to 85.70): VU028527.D (-253) (-)

Ion 151.00 (150.70 to 151.70): VU028527.D (-253) (-)





#12

1,1-Dichloroethene

Concen: 0.895 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

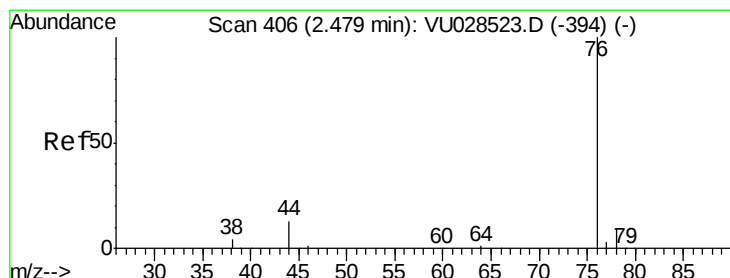
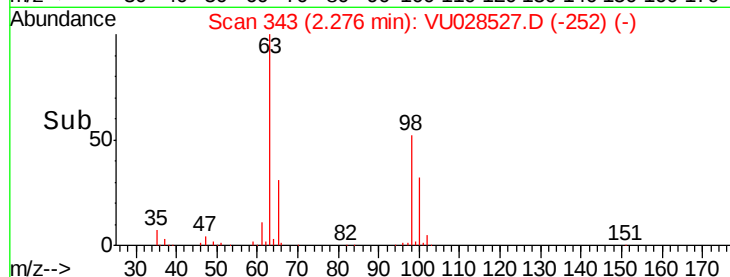
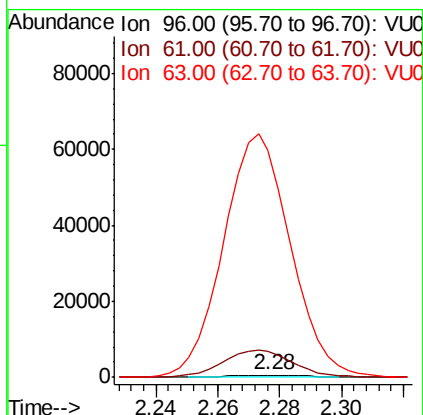
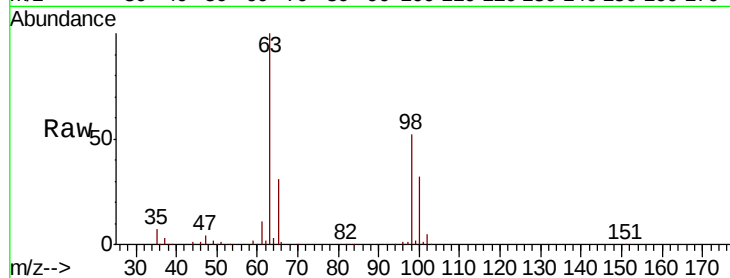
Tgt Ion: 96 Resp: 878

Ion Ratio Lower Upper

96 100

61 1328.0 143.2 266.0#

63 11668.1 130.1 241.7#



#14

Carbon disulfide

Concen: 1.005 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028527.D

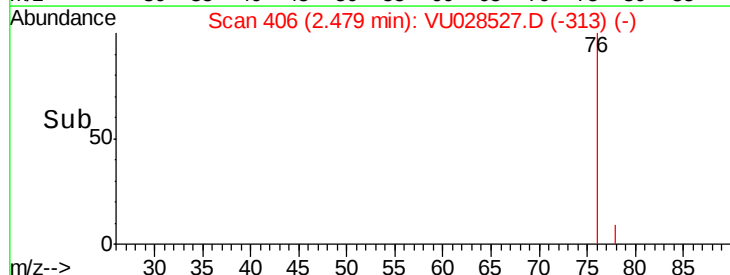
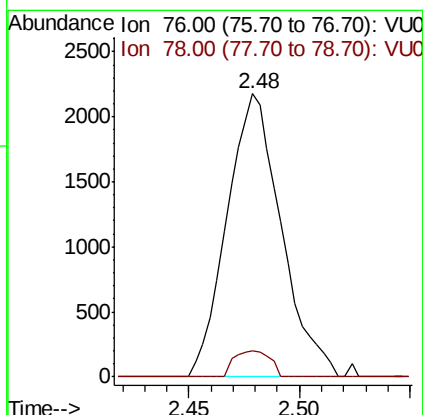
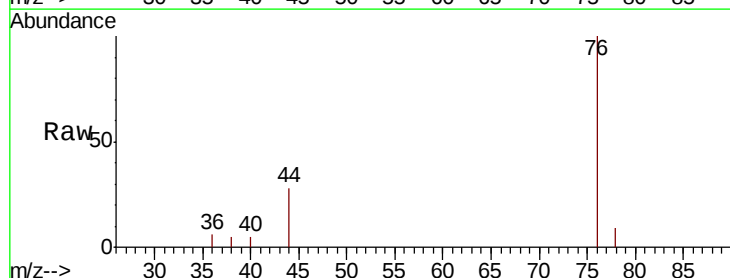
Acq: 07 Dec 2018 12:49

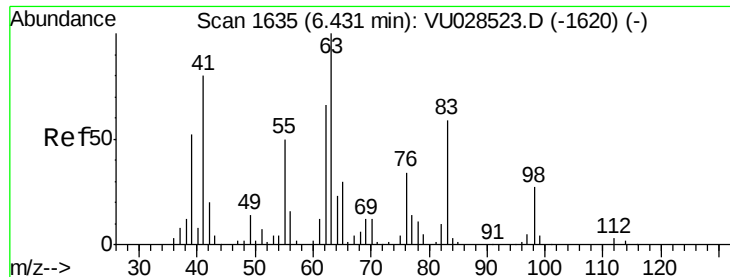
Tgt Ion: 76 Resp: 3720

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

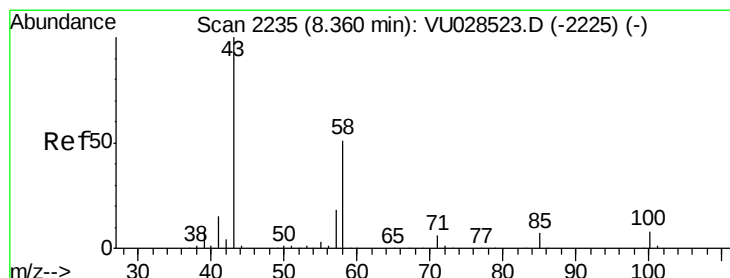
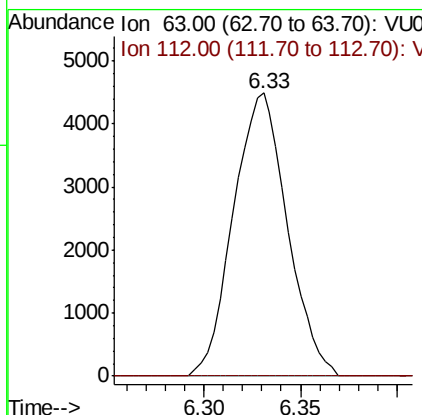
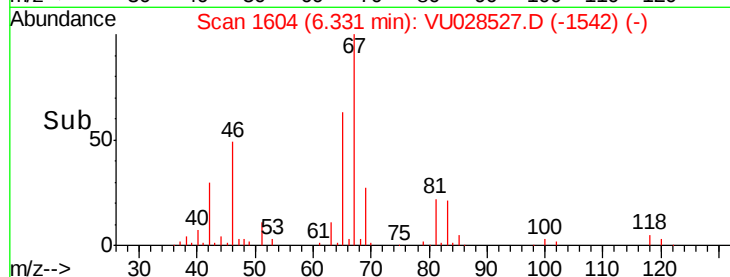
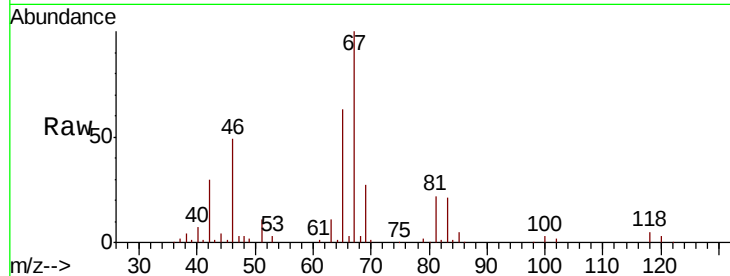




#37
 1,2-Dichloropropane
 Concen: 5.814 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

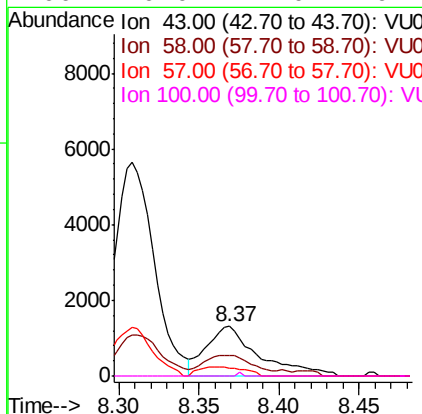
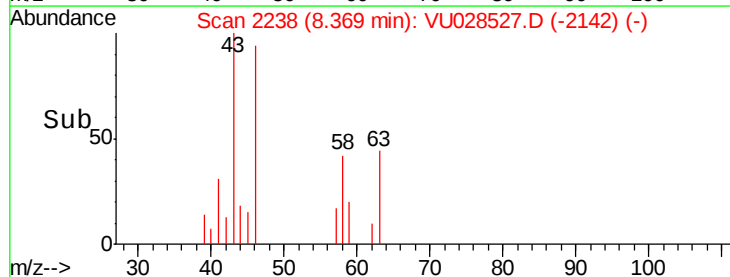
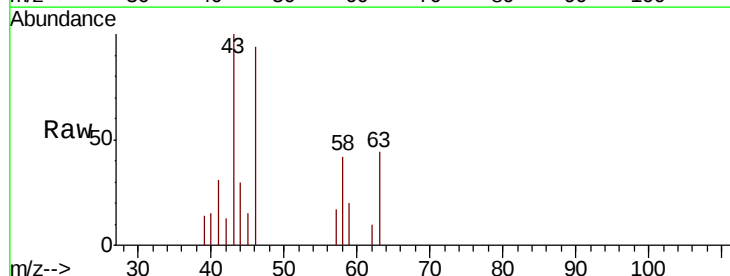
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

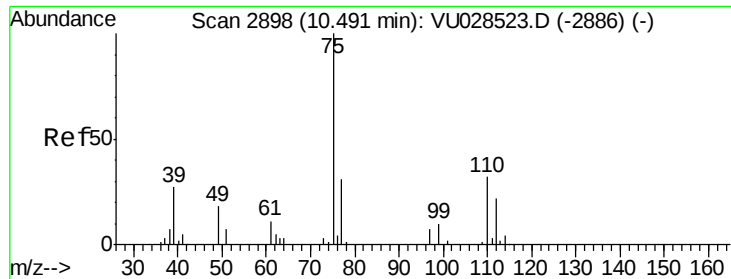
Tgt Ion: 63 Resp: 8691
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.4 3.6#



#48
 2-Hexanone
 Concen: 1.511 ug/L
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

Tgt Ion: 43 Resp: 2973
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.6 62.4#
 57 16.0 13.8 20.6
 100 0.0 7.0 10.4#

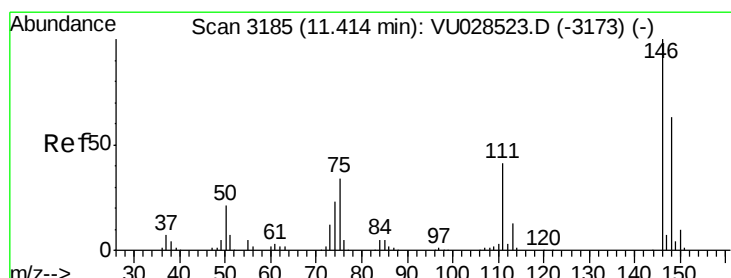
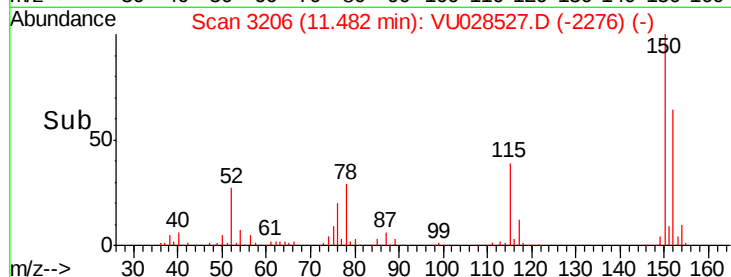
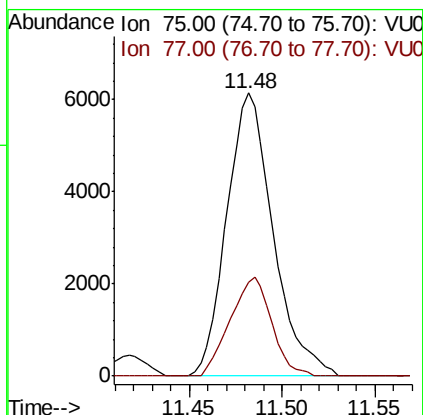
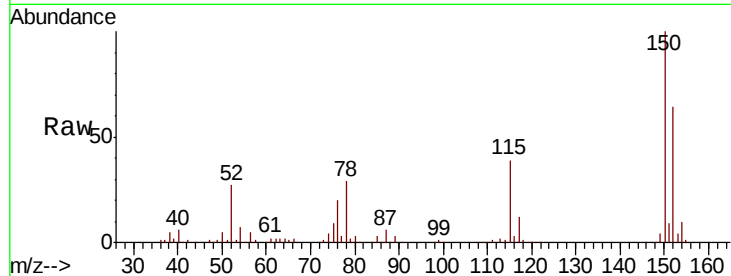




#59
 1,2,3-Trichloropropane
 Concen: 6.280 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

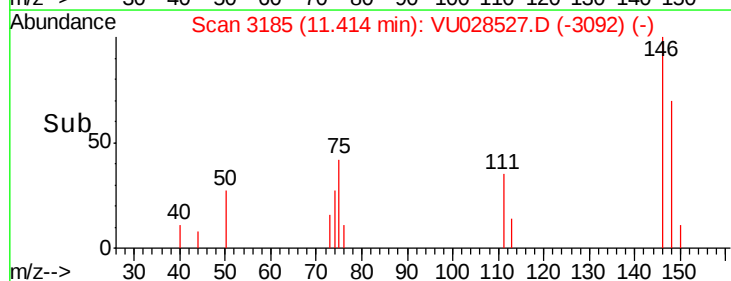
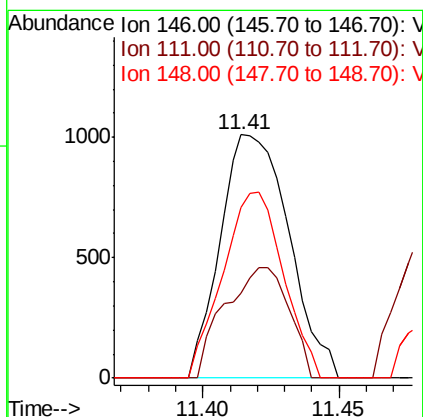
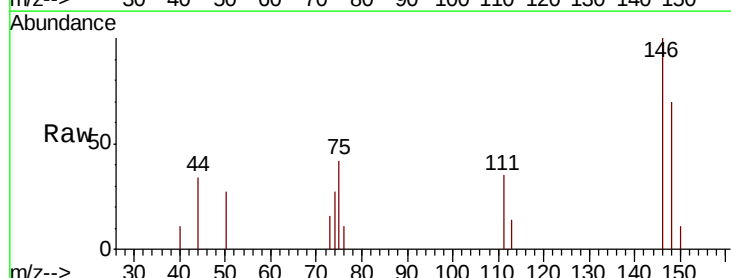
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

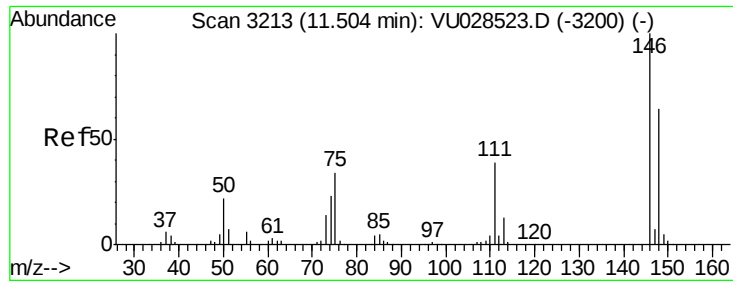
Tgt Ion: 75 Resp: 10675
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#62
 1,3-Dichlorobenzene
 Concen: 0.808 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

Tgt Ion: 146 Resp: 1769
 Ion Ratio Lower Upper
 146 100
 111 34.9 28.5 52.9
 148 70.2 43.9 81.5





#63

1,4-Dichlorobenzene

Concen: 1.143 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

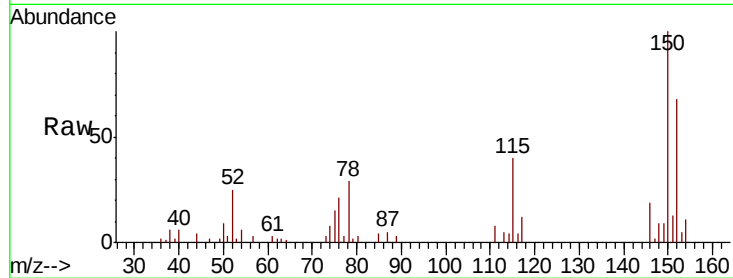
Tgt Ion:146 Resp: 2522

Ion Ratio Lower Upper

146 100

111 43.6 27.6 51.4

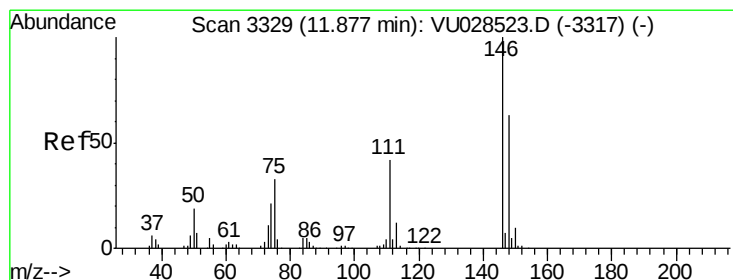
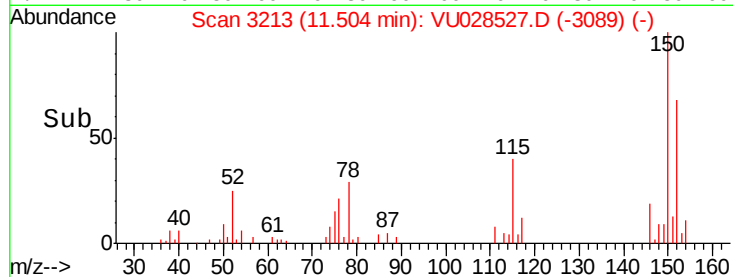
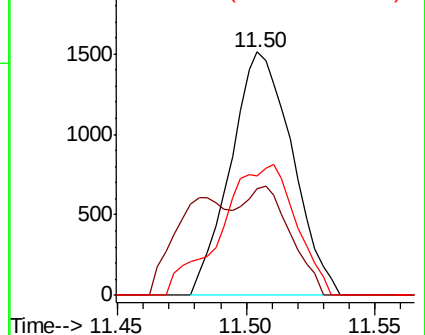
148 49.2 45.1 83.9



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: 0.723 ug/L

RT: 11.87 min Scan# 3328

Delta R.T. -0.00 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

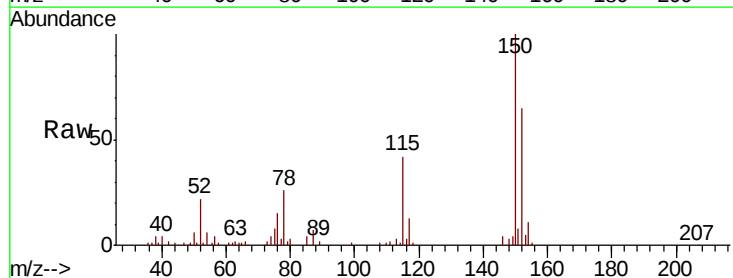
Tgt Ion:146 Resp: 1574

Ion Ratio Lower Upper

146 100

111 64.2 33.4 50.2#

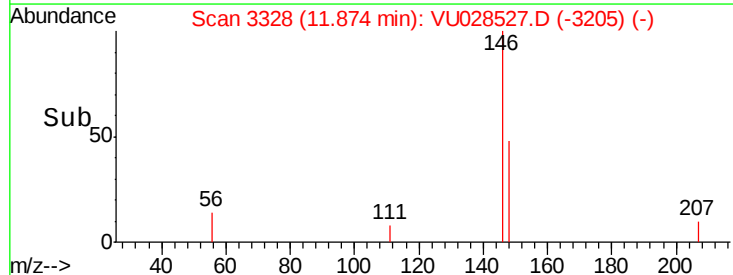
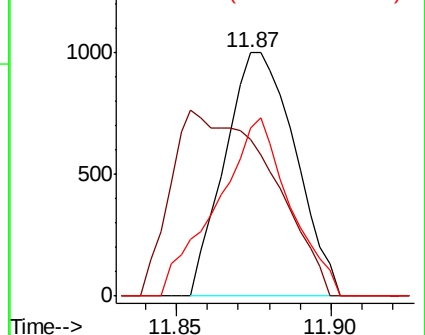
148 69.0 50.2 75.2

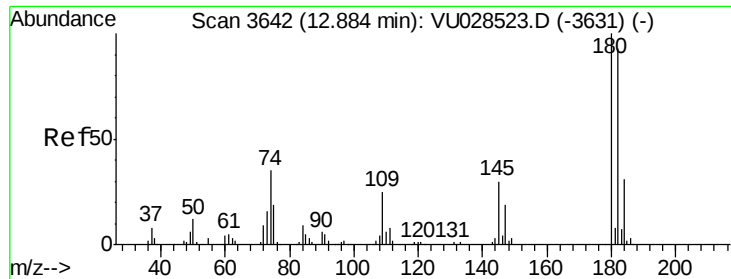


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

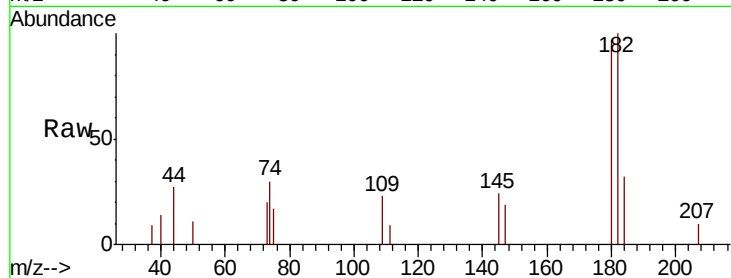




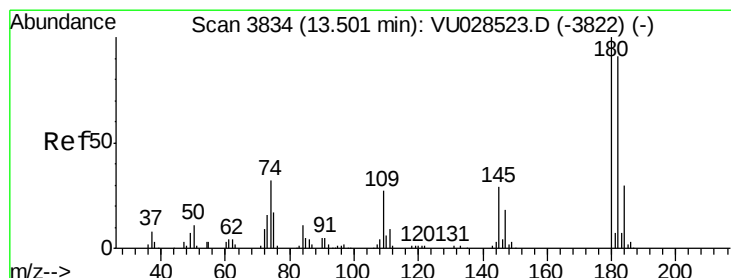
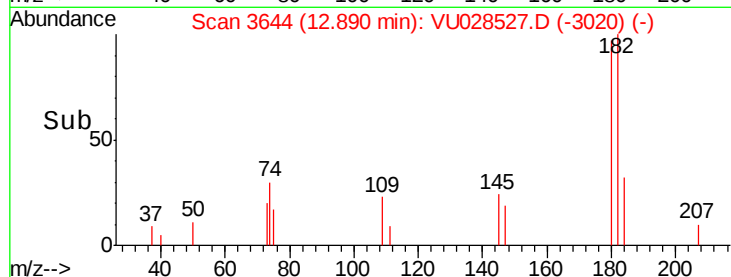
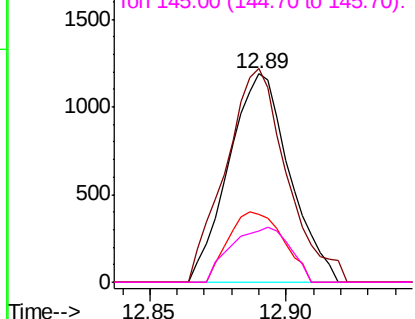
#67
 1,3,5-Trichlorobenzene
 Concen: 1.140 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.01 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

Tgt Ion:180 Resp: 1842
 Ion Ratio Lower Upper
 180 100
 182 101.5 75.0 112.6
 184 30.6 23.9 35.9
 145 25.6 23.8 35.8

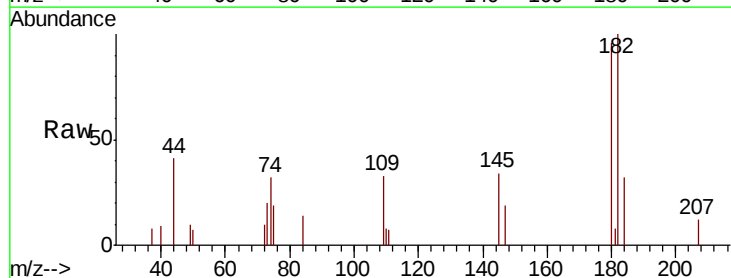


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

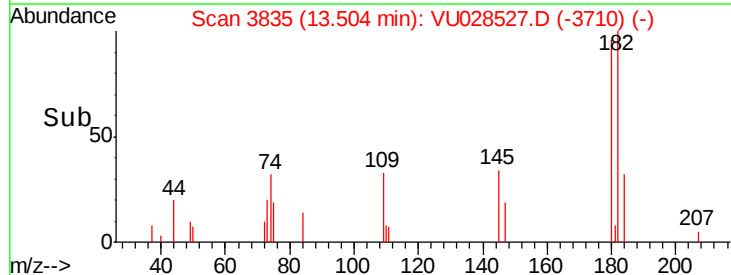
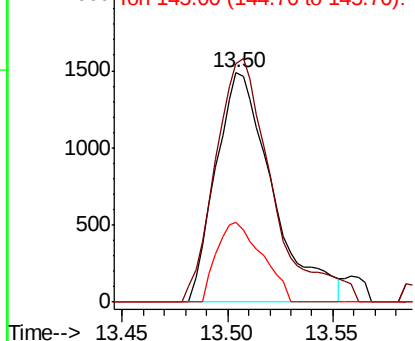


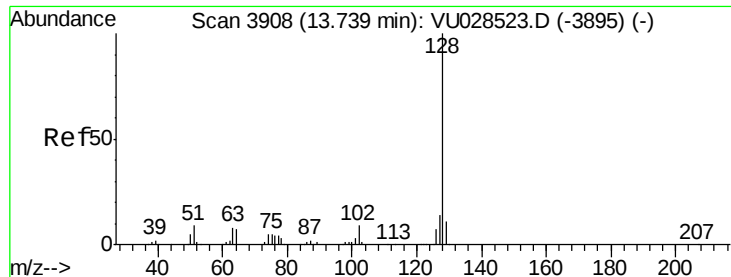
#68
 1,2,4-trichlorobenzene
 Concen: 1.848 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028527.D
 Acq: 07 Dec 2018 12:49

Tgt Ion:180 Resp: 2779
 Ion Ratio Lower Upper
 180 100
 182 106.4 74.8 112.2
 145 27.7 23.0 34.6



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: 1.985 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

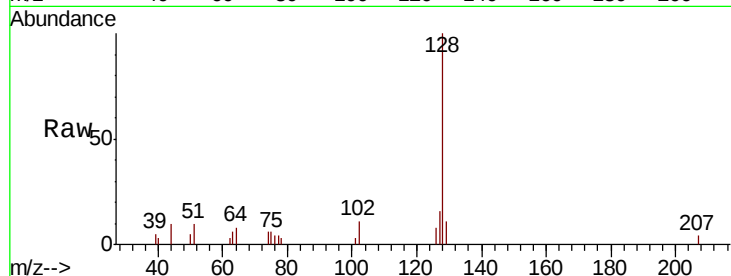
Tgt Ion:128 Resp: 10288

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

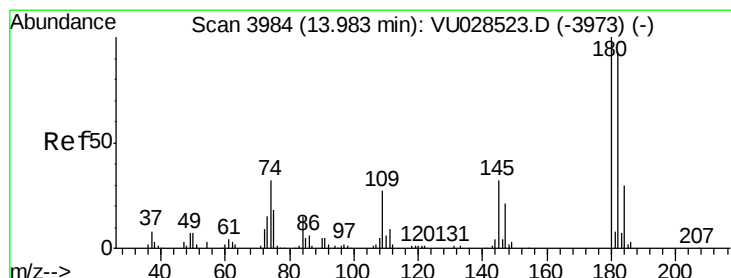
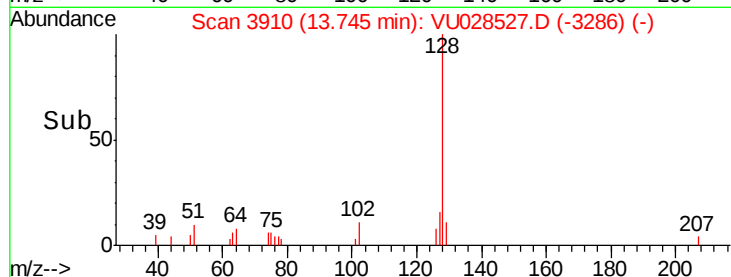
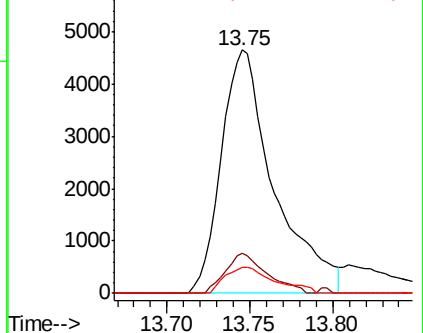
129 10.0 8.6 13.0



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: 1.885 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VU028527.D

Acq: 07 Dec 2018 12:49

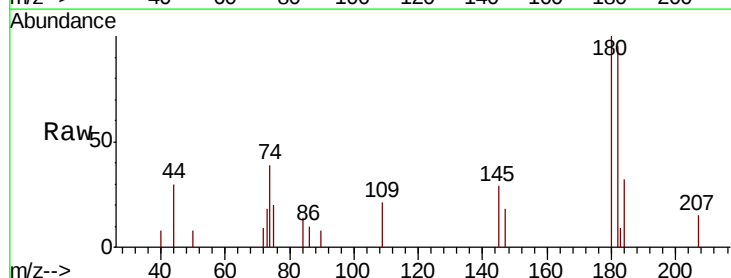
Tgt Ion:180 Resp: 2849

Ion Ratio Lower Upper

180 100

182 94.8 75.2 112.8

145 26.5 25.4 38.0



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

