

Data File : VU029132.D
Acq On : 11 Jan 2019 10:14
Operator : MD/SY
Sample : VU0111WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK49

Quant Time: Jan 11 22:12:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 11 22:10:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	136130	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	129181	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55001	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42333	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.68	69	36566	5.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.00%
11) 1,1-Dichloroethene-d2	2.27	63	58937	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.22	46	119858	62.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.90%
24) Chloroform-d	4.64	84	77168	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.31	65	39836	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.34	84	166767	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.33	67	55695	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.56	98	143782	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.85	79	20707	5.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.00%
46) 2-Hexanone-d5	8.31	63	102037	61.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42309	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	51917	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

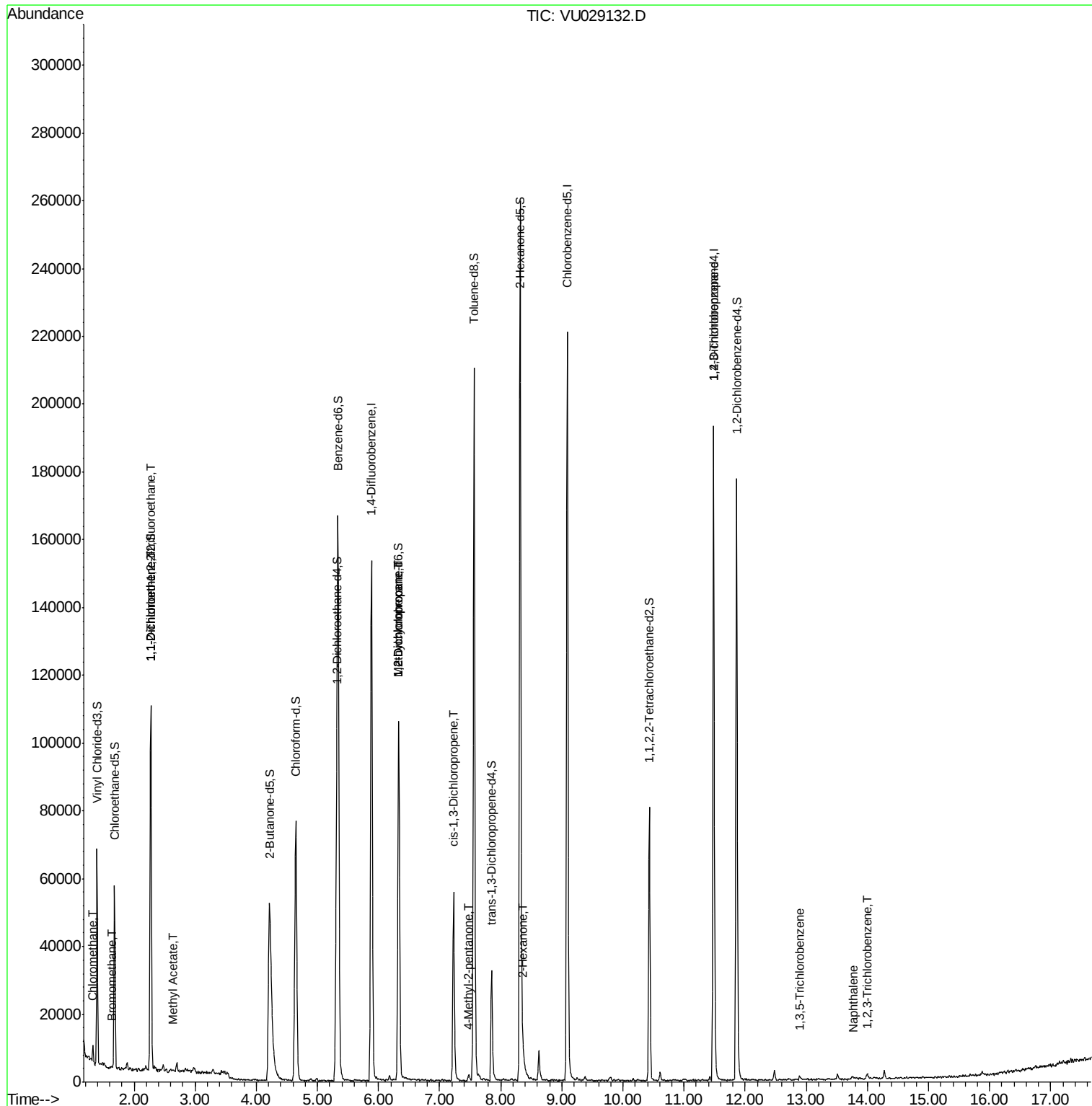
					Qvalue
3) Chloromethane	1.32	50	3680	0.277 ug/L	98
6) Bromomethane	1.63	94	664	0.106 ug/L	78
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	644	0.064 ug/L #	19
12) 1,1-Dichloroethene	2.28	96	765	0.078 ug/L #	1
15) Methyl Acetate	2.63	43	512	0.114 ug/L #	49
35) Methylcyclohexane	6.33	83	12561	0.692 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	5096	0.484 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1220	0.081 ug/L #	59
40) 4-Methyl-2-pentanone	7.48	43	1625	0.290 ug/L #	56
48) 2-Hexanone	8.36	43	3220	0.831 ug/L #	50
59) 1,2,3-Trichloropropane	11.48	75	6442	1.050 ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	764	0.053 ug/L #	80
69) Naphthalene	13.76	128	1230	0.060 ug/L #	70
70) 1,2,3-Trichlorobenzene	13.99	180	1113	0.097 ug/L #	93

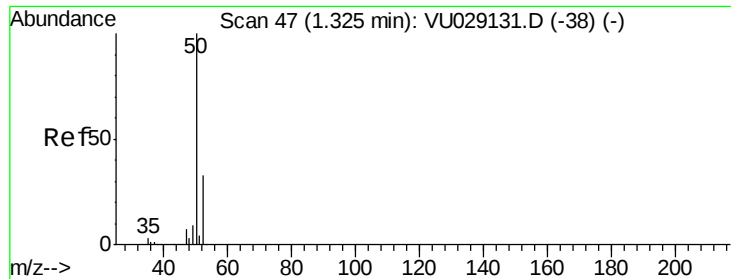
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.277 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

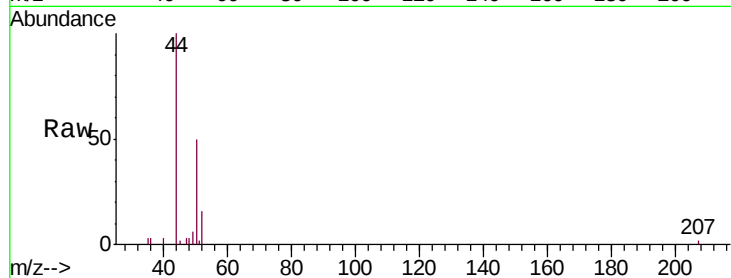
VBLK49

Tgt Ion: 50 Resp: 3680

Ion Ratio Lower Upper

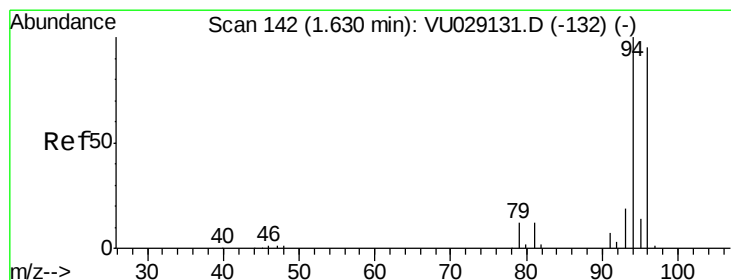
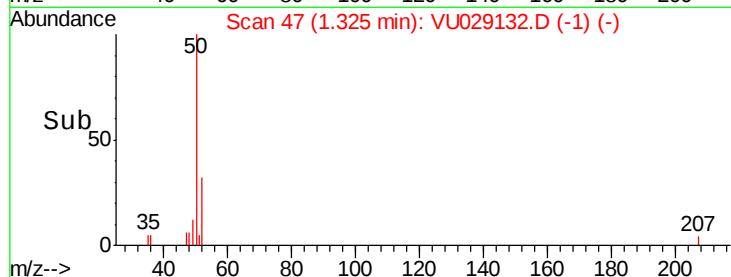
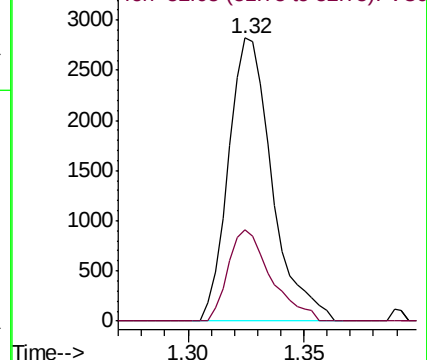
50 100

52 32.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.106 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU029132.D

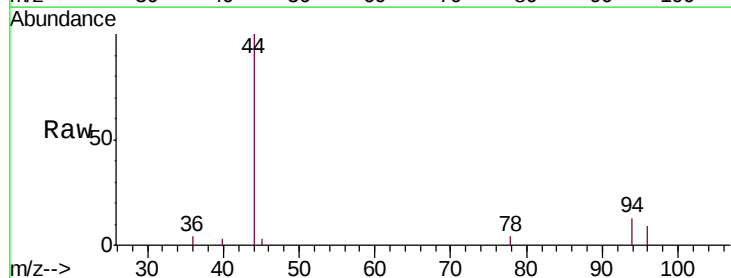
Acq: 11 Jan 2019 10:14

Tgt Ion: 94 Resp: 664

Ion Ratio Lower Upper

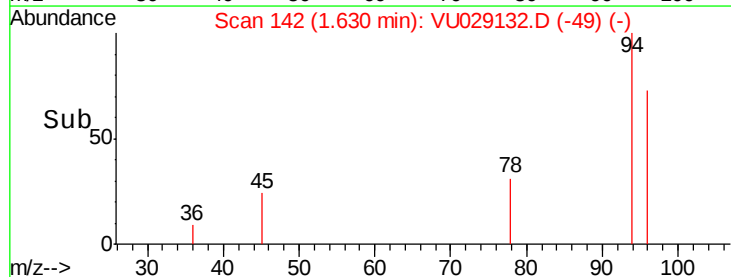
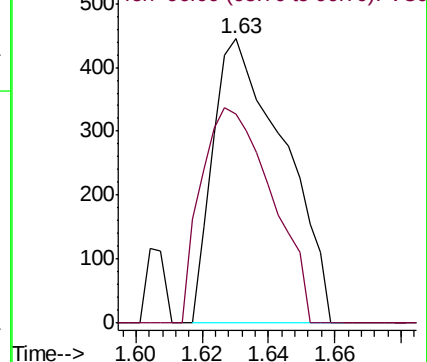
94 100

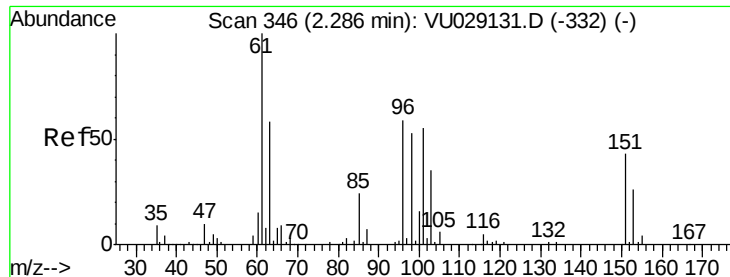
96 73.5 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.064 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

Instrument :

MSVOA_U

ClientSampled :

VBLK49

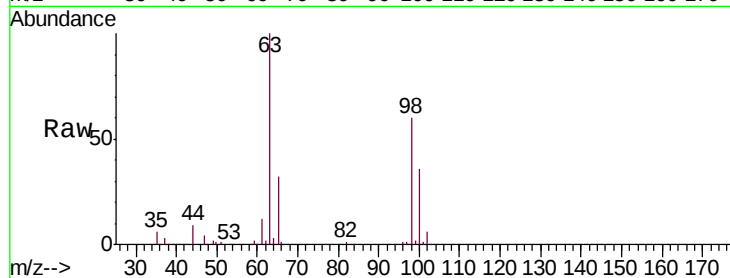
Tgt Ion: 101 Resp: 644

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

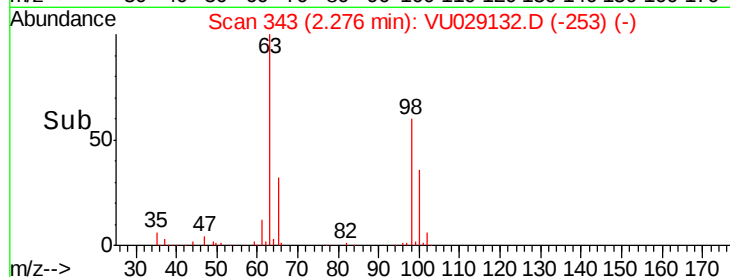
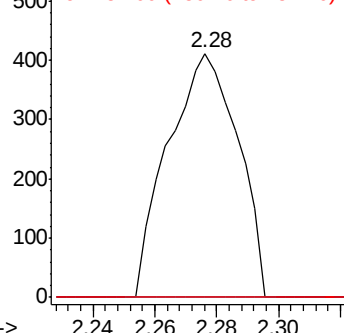
151 0.0 60.9 91.3#



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: 0.078 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

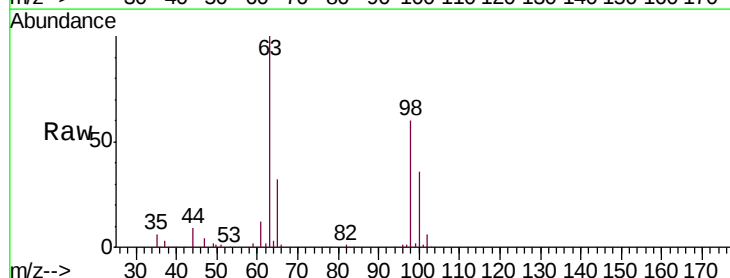
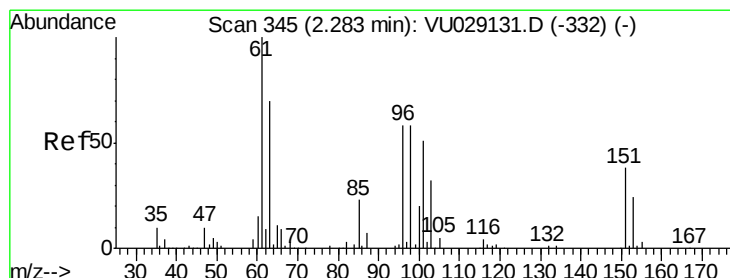
Tgt Ion: 96 Resp: 765

Ion Ratio Lower Upper

96 100

61 947.6 110.5 205.3#

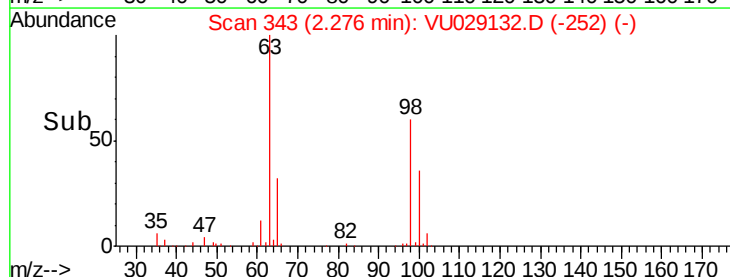
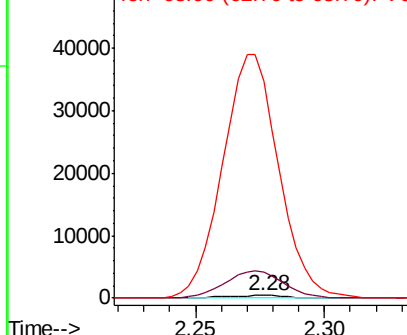
63 8039.0 67.6 125.6#

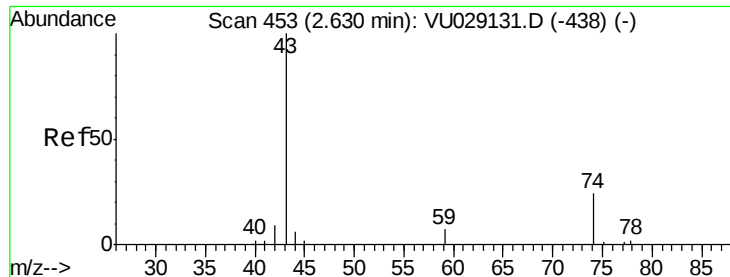


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#15

Methyl Acetate

Concen: 0.114 ug/L

RT: 2.63 min Scan# 453

Delta R.T. -0.00 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

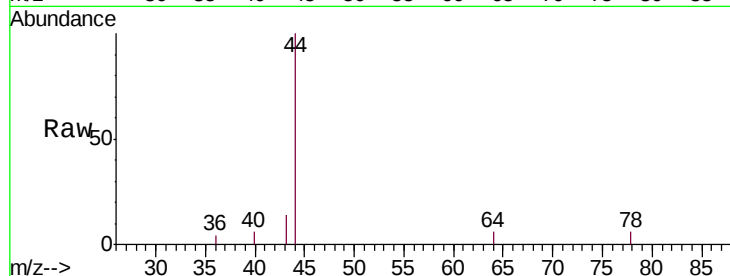
VBLK49

Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

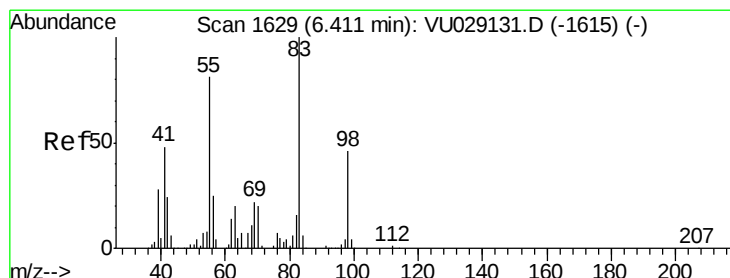
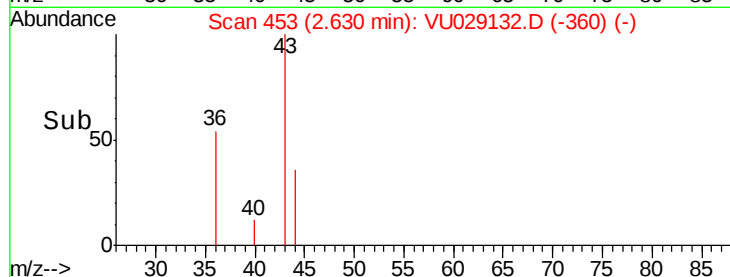
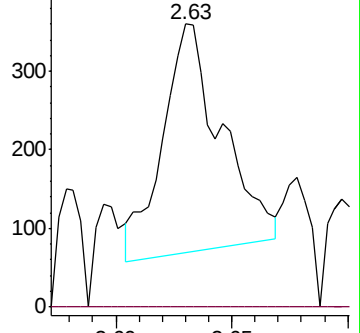
43 100

74 0.0 20.6 30.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#35

Methylcyclohexane

Concen: 0.692 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.08 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

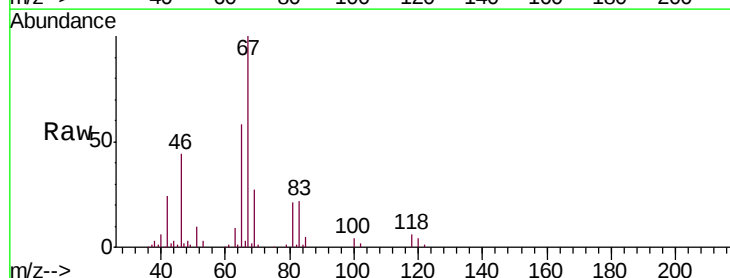
Tgt Ion: 83 Resp: 12561

Ion Ratio Lower Upper

83 100

55 2.0 59.8 89.6#

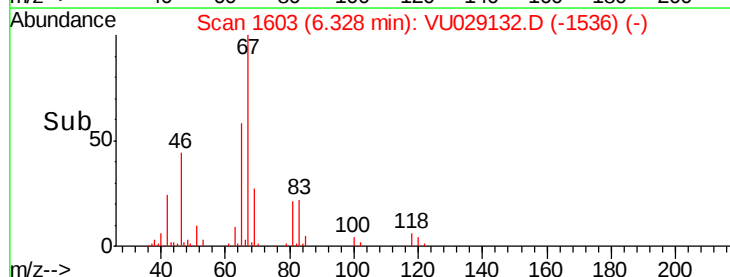
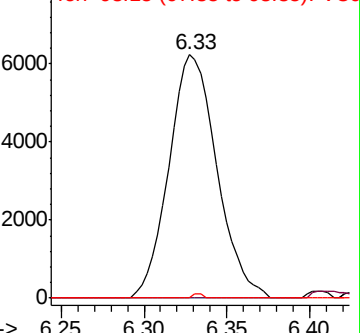
98 0.3 37.0 55.6#

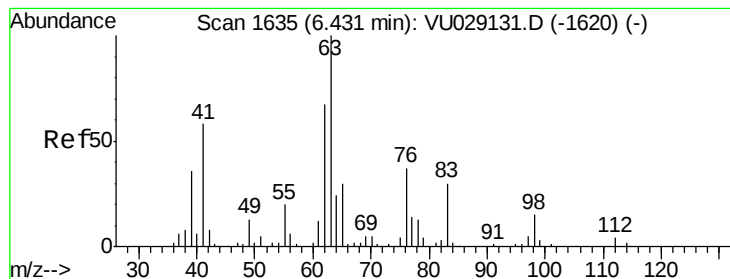


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.484 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

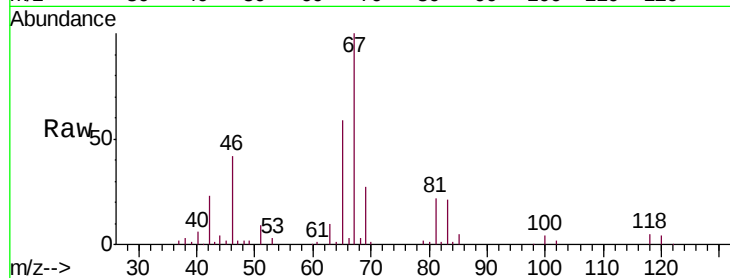
VBLK49

Tgt Ion: 63 Resp: 5096

Ion Ratio Lower Upper

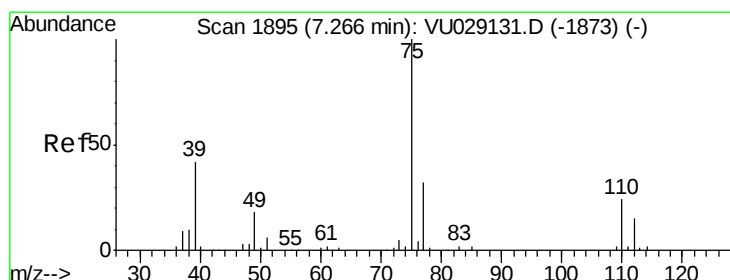
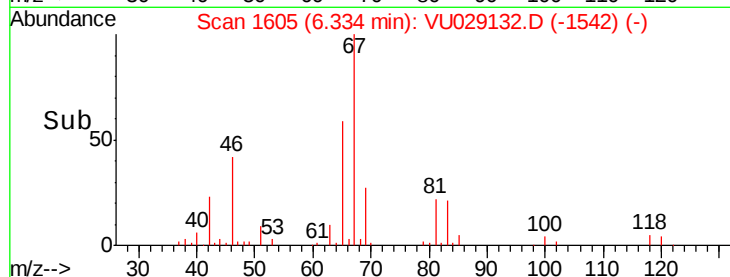
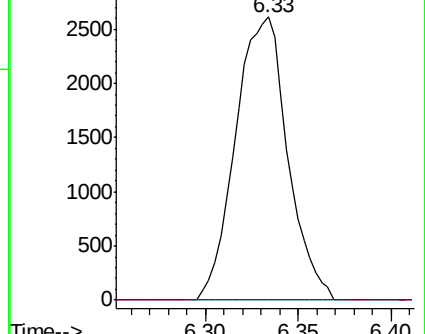
63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU029131.D (-1620) (-)

Ion 112.10 (111.80 to 112.80): VU029131.D (-1620) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU029132.D

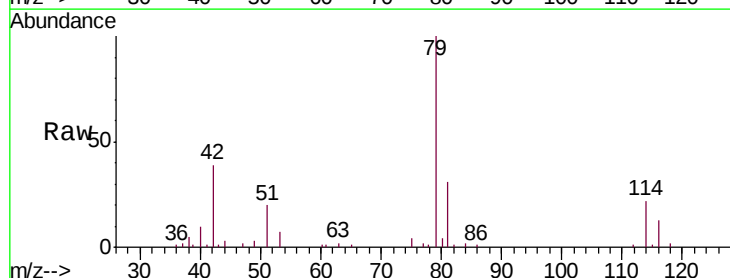
Acq: 11 Jan 2019 10:14

Tgt Ion: 75 Resp: 1220

Ion Ratio Lower Upper

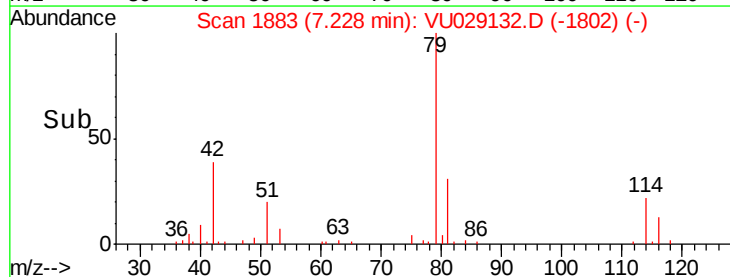
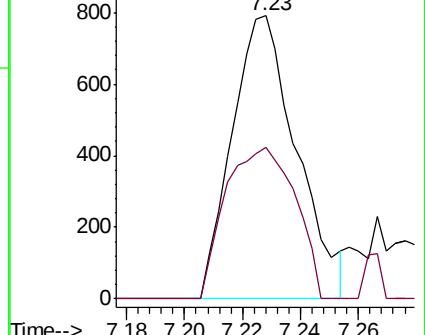
75 100

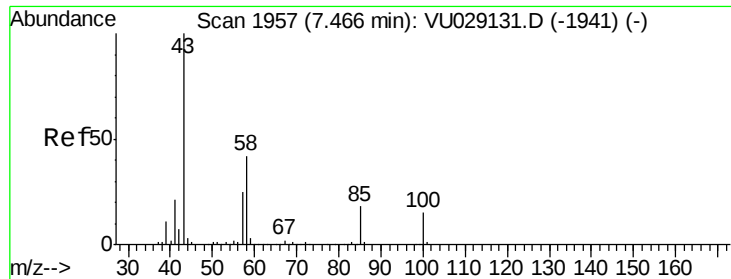
77 53.4 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU029131.D (-1873) (-)

Ion 77.05 (76.75 to 77.75): VU029131.D (-1873) (-)

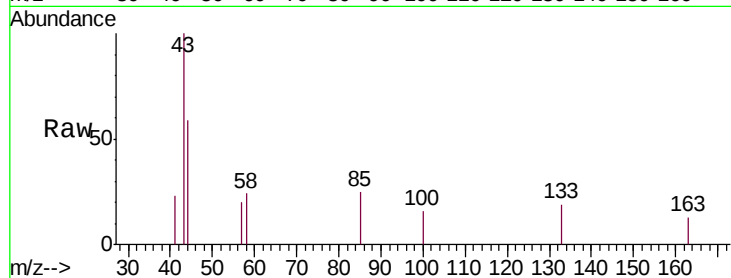




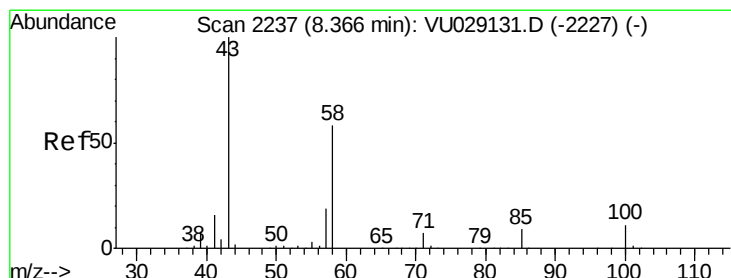
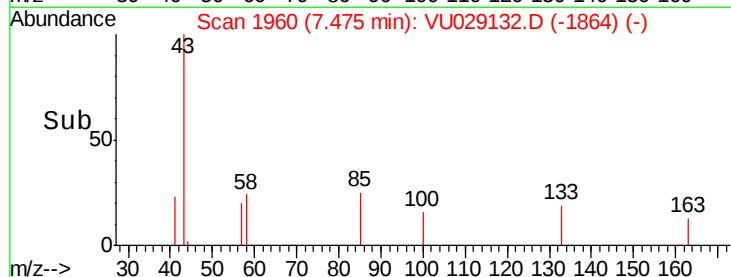
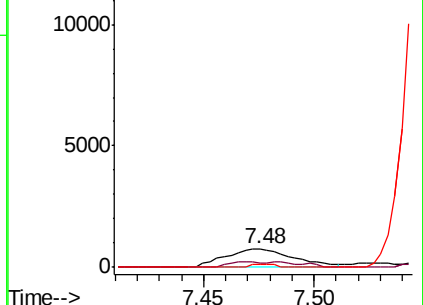
#40
4-Methyl-2-pentanone
Concen: 0.290 ug/L
RT: 7.48 min Scan# 1960
Delta R.T. 0.01 min
Lab File: VU029132.D
Acq: 11 Jan 2019 10:14

Instrument :
MSVOA_U
ClientSampled :
VBLK49

Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 14.0 34.6 51.8#
100 0.0 13.4 20.0#

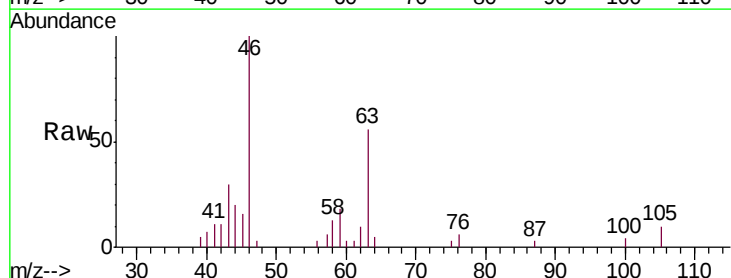


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

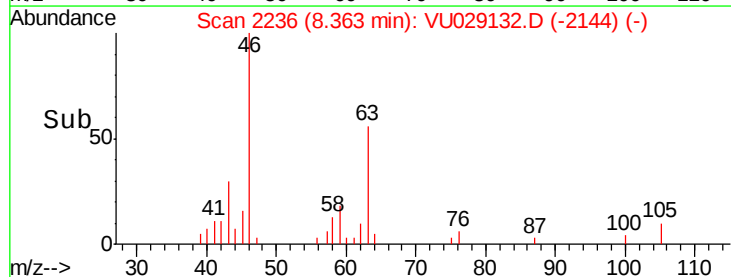
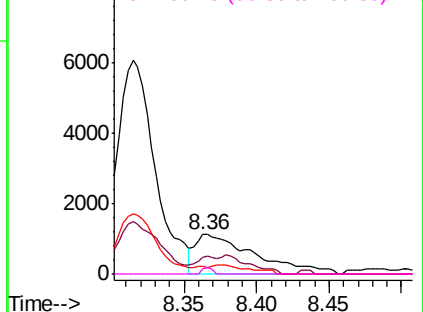


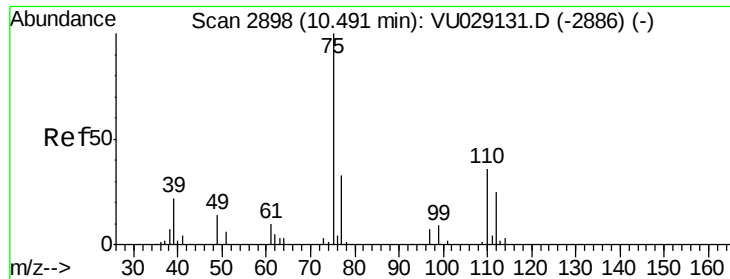
#48
2-Hexanone
Concen: 0.831 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU029132.D
Acq: 11 Jan 2019 10:14

Tgt Ion: 43 Resp: 3220
Ion Ratio Lower Upper
43 100
58 17.0 48.8 73.2#
57 0.0 16.0 24.0#
100 2.6 10.2 15.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

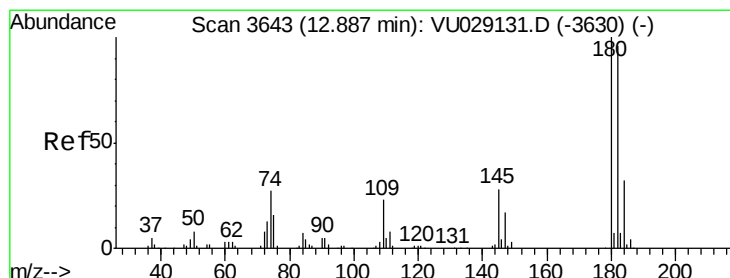
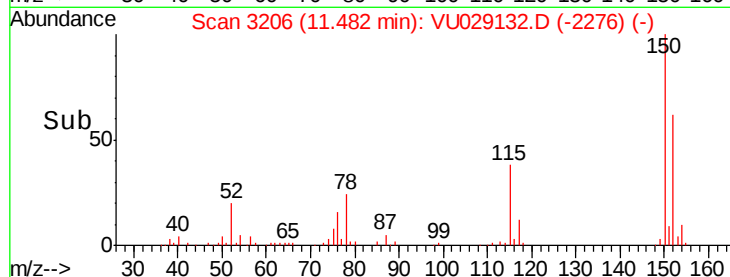
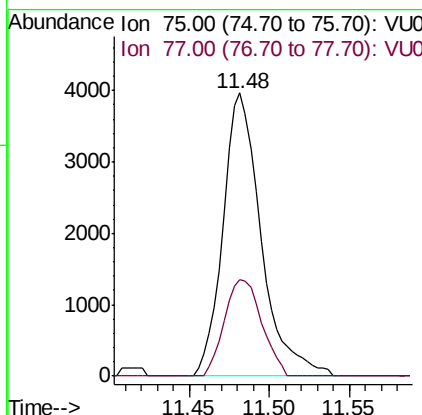
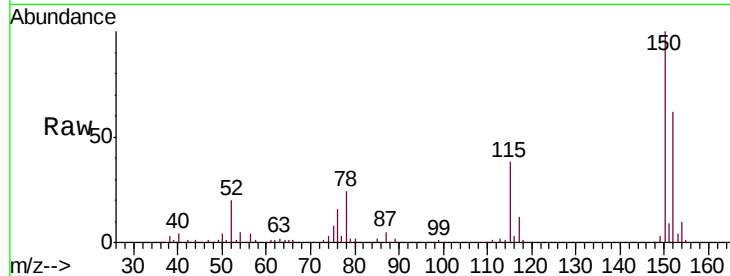




#59
 1,2,3-Trichloropropane
 Concen: 1.050 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU029132.D
 Acq: 11 Jan 2019 10:14

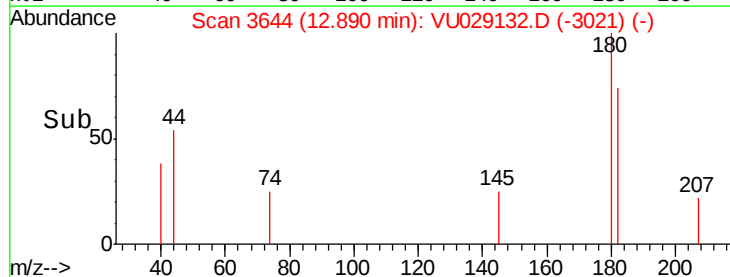
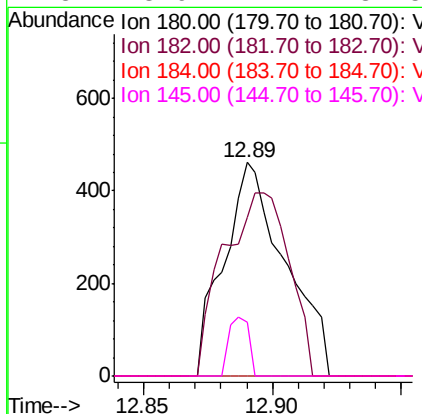
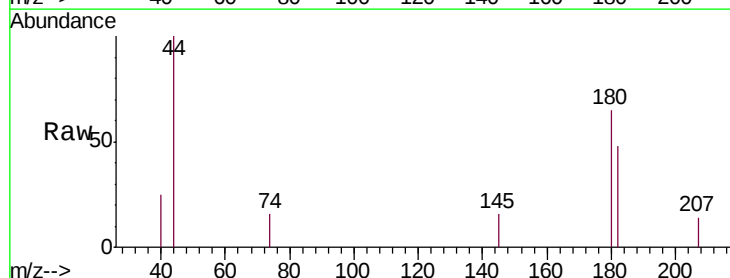
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

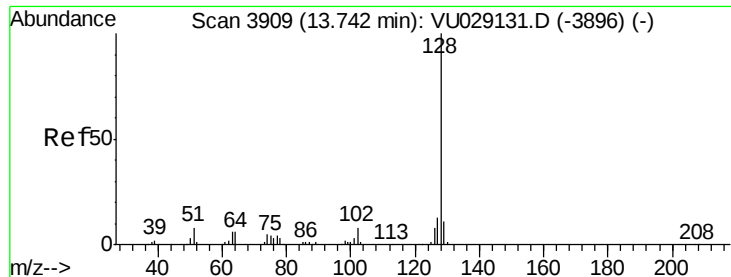
Tgt Ion: 75 Resp: 6442
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.0 39.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.053 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU029132.D
 Acq: 11 Jan 2019 10:14

Tgt Ion: 180 Resp: 764
 Ion Ratio Lower Upper
 180 100
 182 91.8 76.6 114.8
 184 0.0 24.4 36.6#
 145 8.9 21.7 32.5#





#69

Naphthalene

Concen: 0.060 ug/L

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

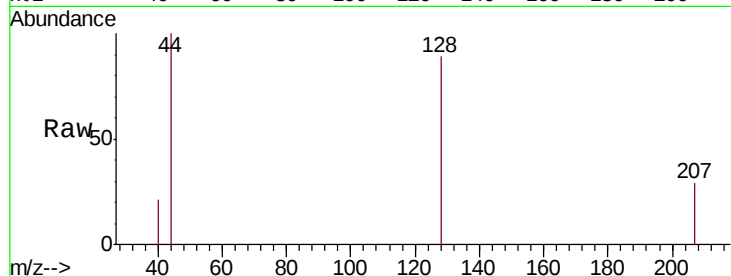
Tgt Ion:128 Resp: 1230

Ion Ratio Lower Upper

128 100

129 0.0 8.3 12.5#

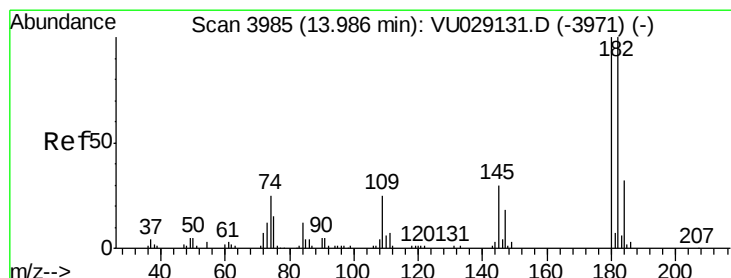
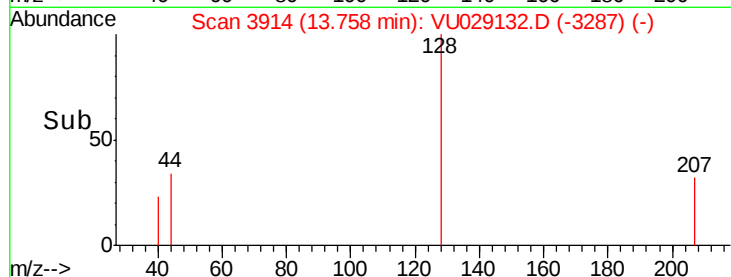
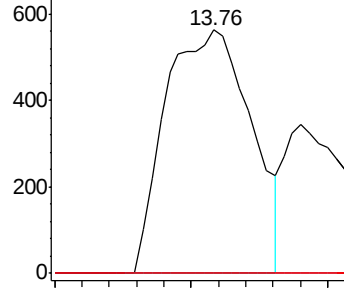
127 0.0 9.8 14.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.097 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU029132.D

Acq: 11 Jan 2019 10:14

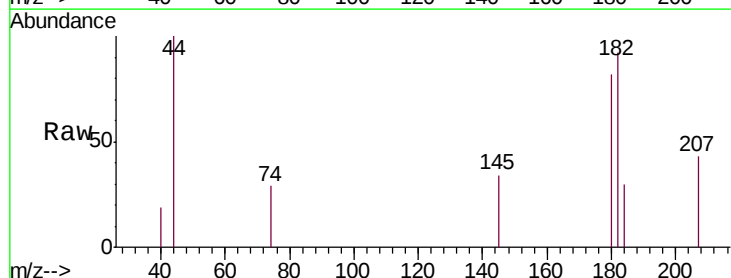
Tgt Ion:180 Resp: 1113

Ion Ratio Lower Upper

180 100

182 94.0 77.1 115.7

145 19.8 24.6 36.8#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

