

Data File : VU029447.D
Acq On : 14 Feb 2019 10:55
Operator : JC/SP
Sample : VU0214WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK52

Quant Time: Feb 15 00:46:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206445	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	198393	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106286	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62439	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.68	69	55035	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.27	63	97244	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.22	46	145986	50.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.24%
24) Chloroform-d	4.64	84	104741	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.31	65	55181	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.34	84	219993	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.33	67	66999	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.56	98	210188	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.85	79	29350	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.31	63	141460	48.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56566	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	92522	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

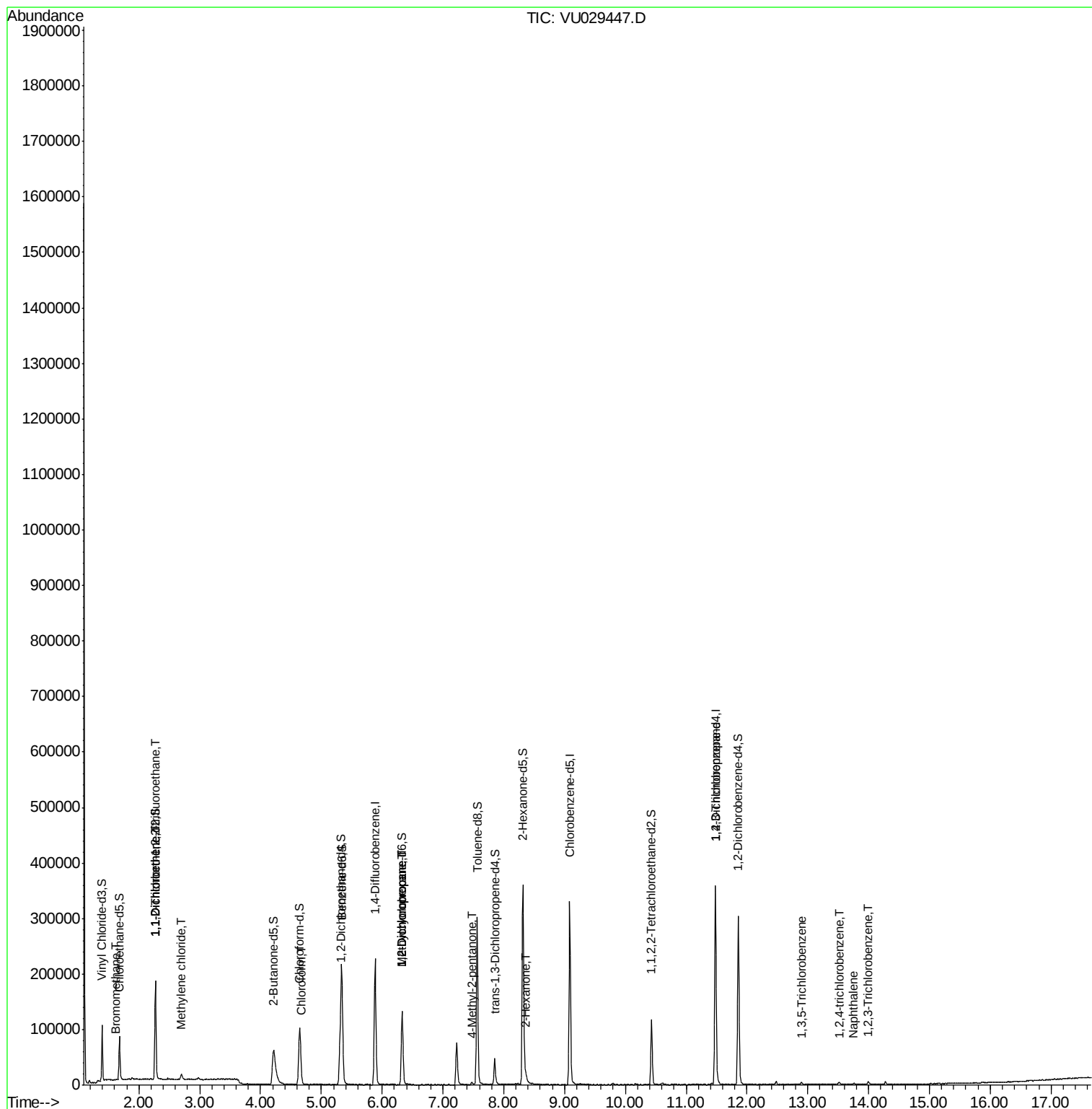
					Qvalue
6) Bromomethane	1.63	94	589	0.051 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1141	0.064 ug/L #	38
12) 1,1-Dichloroethene	2.27	96	1394	0.082 ug/L #	1
16) Methylene chloride	2.70	84	4064	0.213 ug/L	91
25) Chloroform	4.68	83	3567	0.131 ug/L	88
35) Methylcyclohexane	6.33	83	16107	0.583 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6988	0.478 ug/L #	87
40) 4-Methyl-2-pentanone	7.47	43	3261	0.387 ug/L #	76
48) 2-Hexanone	8.37	43	5159	0.840 ug/L #	89
59) 1,2,3-Trichloropropane	11.48	75	10542	1.124 ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	1671	0.053 ug/L #	88
68) 1,2,4-trichlorobenzene	13.51	180	2304	0.088 ug/L #	91
69) Naphthalene	13.76	128	3129	0.069 ug/L #	87
70) 1,2,3-Trichlorobenzene	14.00	180	2329	0.093 ug/L	95

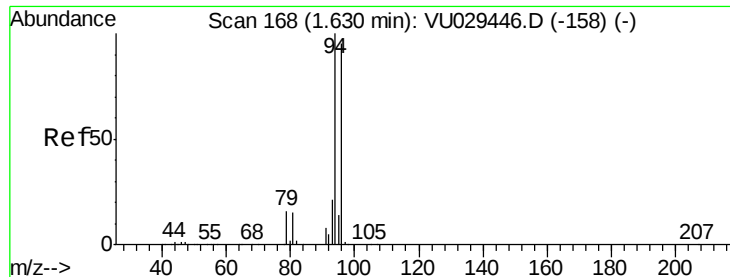
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.051 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.00 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

Instrument :

MSVOA_U

ClientSampleId :

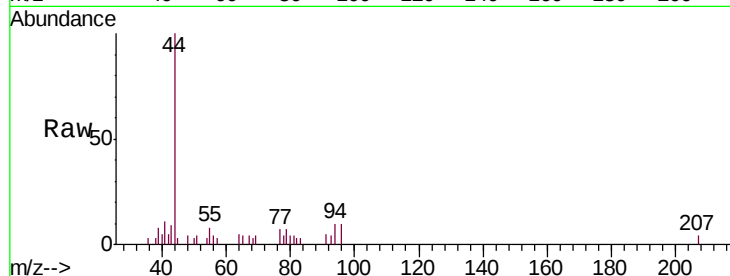
VBLK52

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

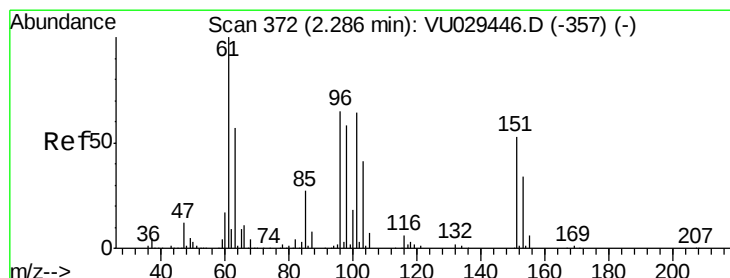
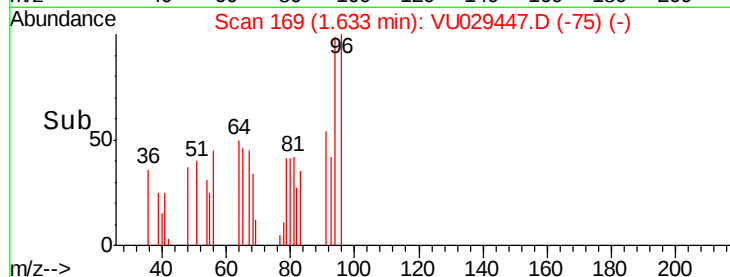
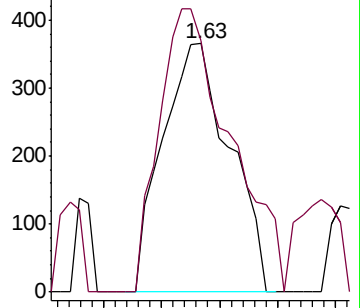
94 100

96 100.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU029446.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU029446.D (-158) (-)



#10

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

Concen: 0.064 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

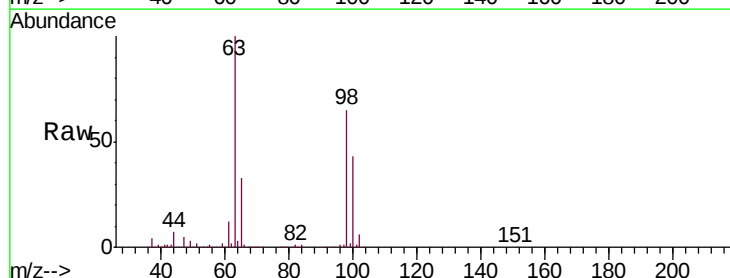
Tgt Ion: 101 Resp: 1141

Ion Ratio Lower Upper

101 100

85 12.0 35.1 52.7#

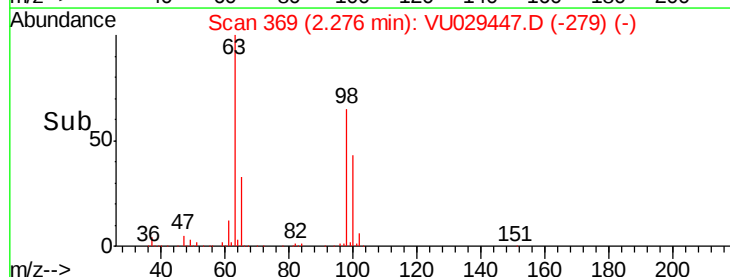
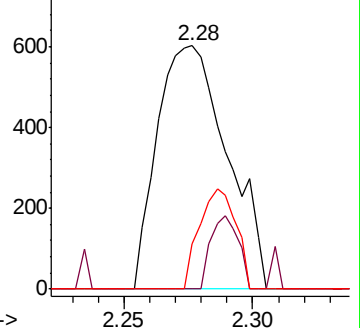
151 21.6 67.0 100.6#

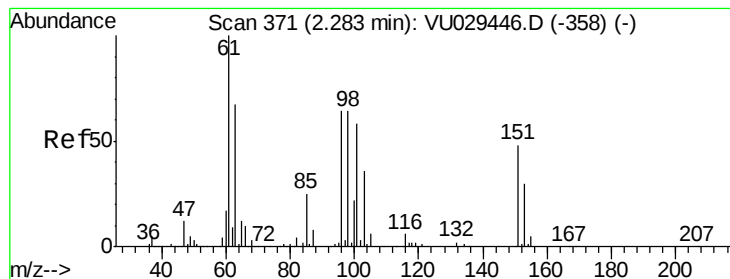


Abundance Ion 101.00 (100.70 to 101.70): VU029446.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU029446.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU029446.D (-357) (-)





#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

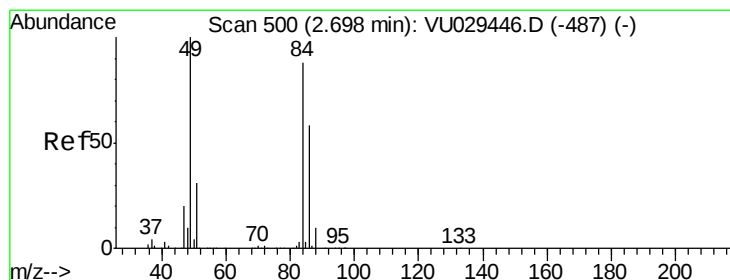
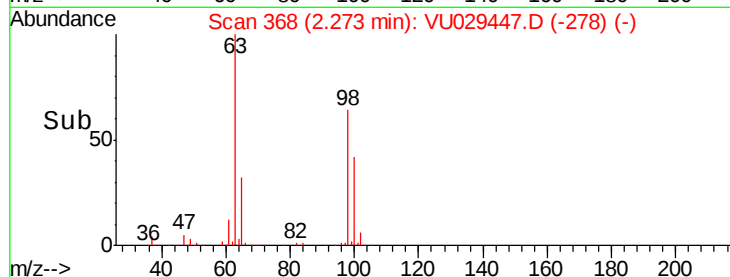
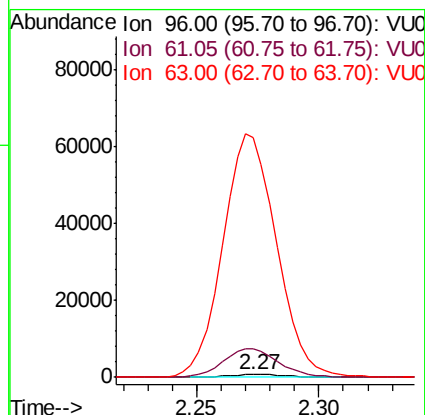
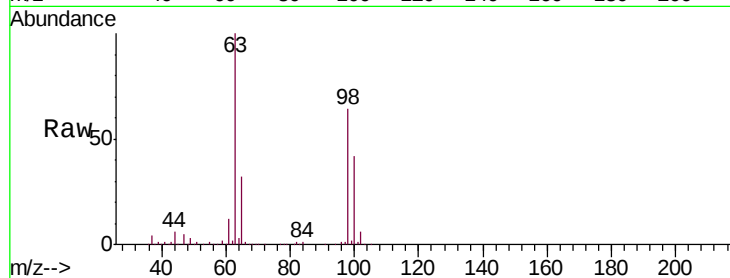
Tgt Ion: 96 Resp: 1394

Ion Ratio Lower Upper

96 100

61 1061.6 115.1 213.7#

63 8797.7 83.5 155.1#



#16

Methylene chloride

Concen: 0.213 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

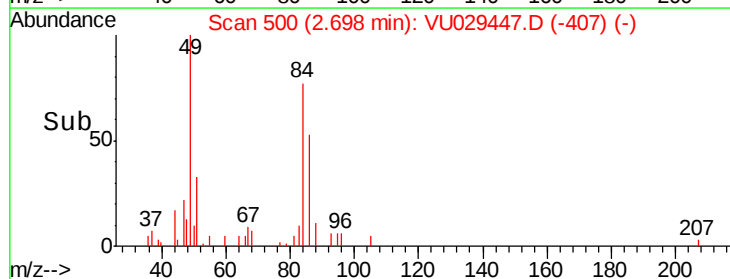
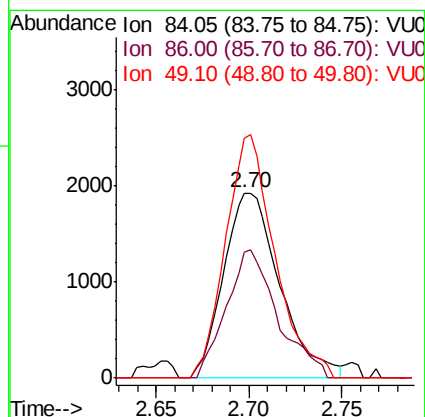
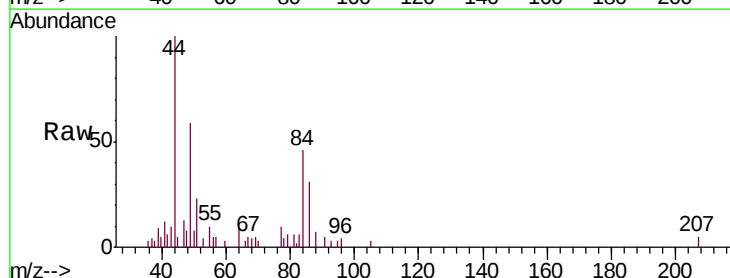
Tgt Ion: 84 Resp: 4064

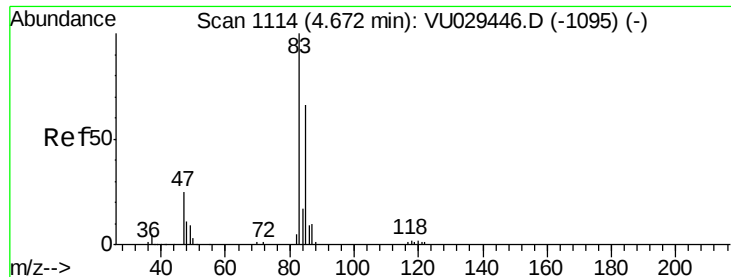
Ion Ratio Lower Upper

84 100

86 68.1 45.1 83.9

49 129.3 81.8 151.8





#25

Chloroform

Concen: 0.131 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

Instrument :

MSVOA_U

ClientSampleId :

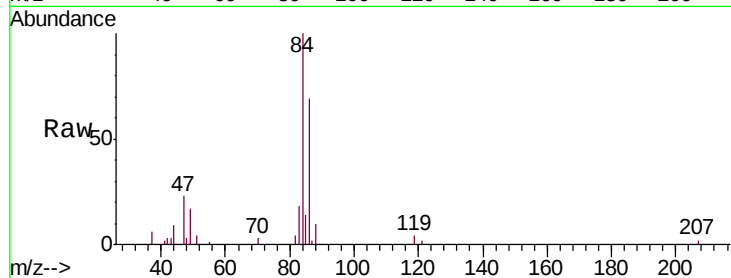
VBLK52

Tgt Ion: 83 Resp: 3567

Ion Ratio Lower Upper

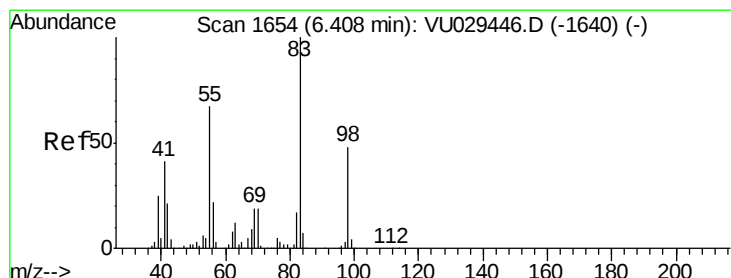
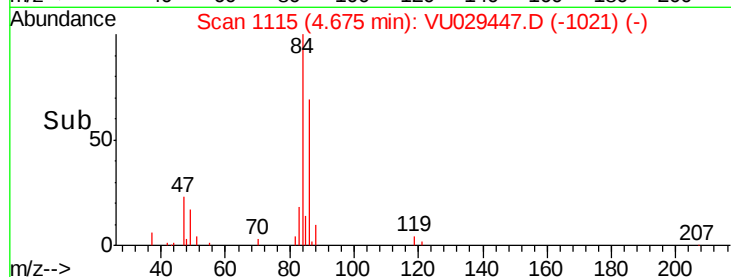
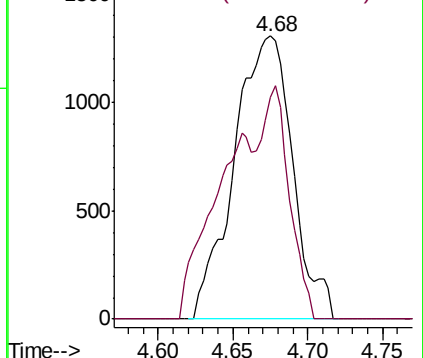
83 100

85 78.3 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.583 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

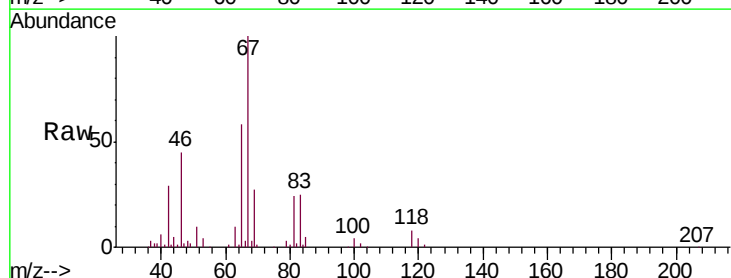
Tgt Ion: 83 Resp: 16107

Ion Ratio Lower Upper

83 100

55 0.7 55.9 83.9#

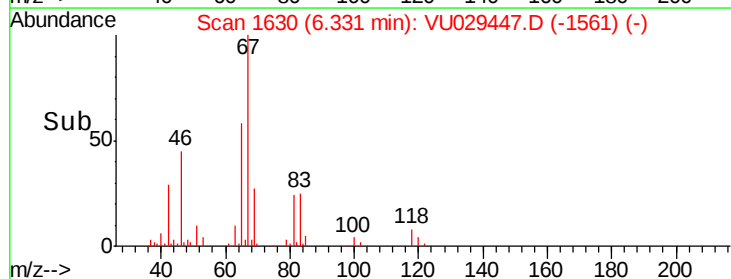
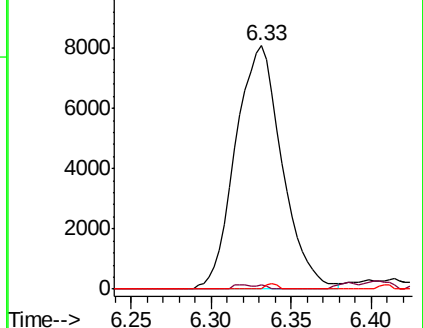
98 0.6 38.6 57.8#

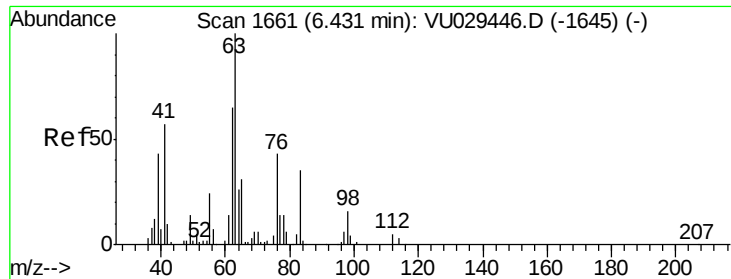


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

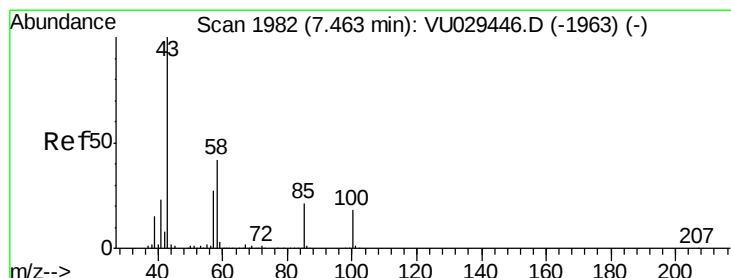
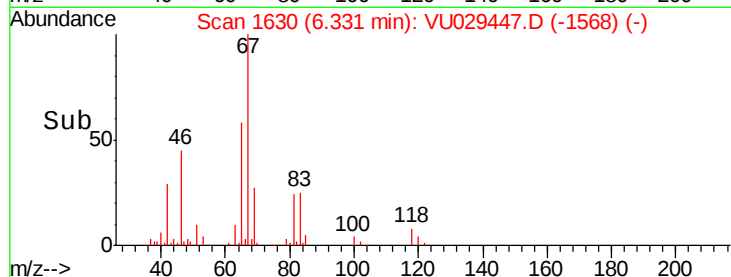
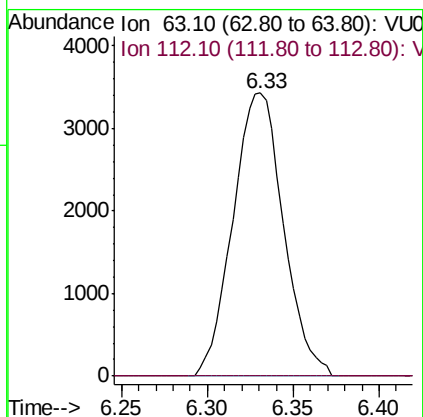
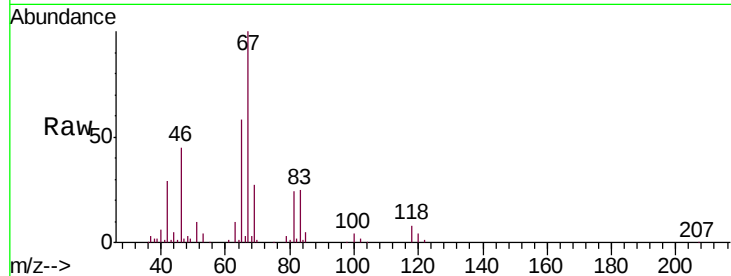




#37
 1,2-Dichloropropane
 Concen: 0.478 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

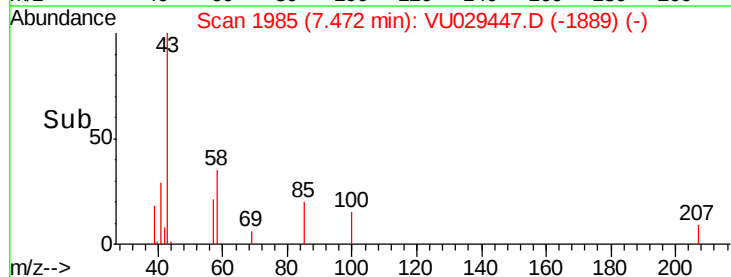
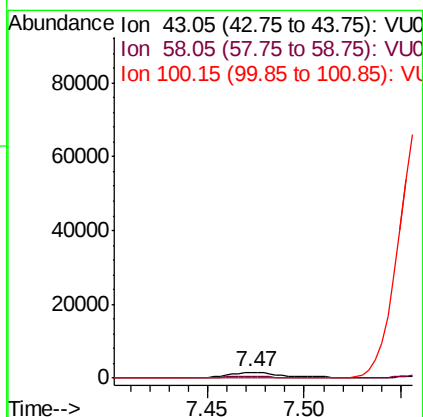
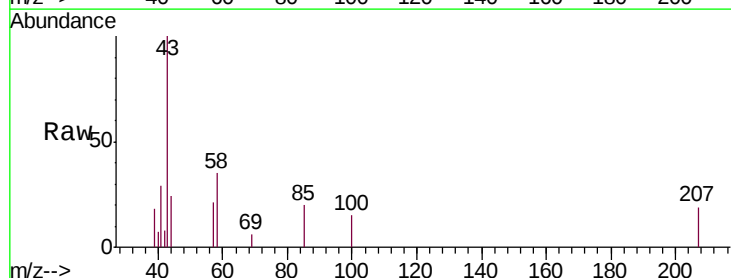
Instrument :
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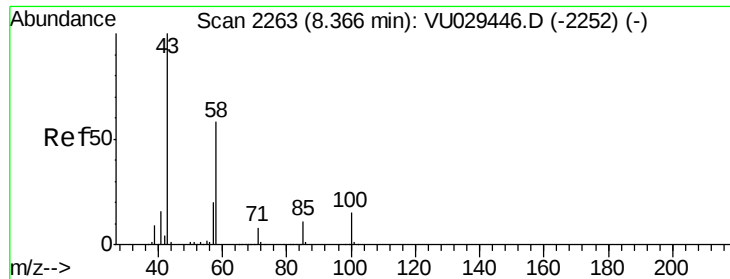
Tgt Ion: 63 Resp: 6988
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.387 ug/L
 RT: 7.47 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

Tgt Ion: 43 Resp: 3261
 Ion Ratio Lower Upper
 43 100
 58 31.1 33.4 50.2#
 100 0.0 14.4 21.6#

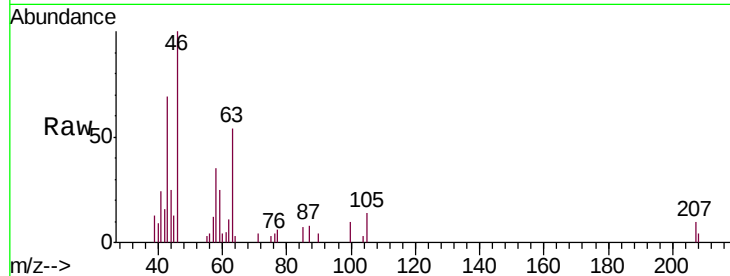




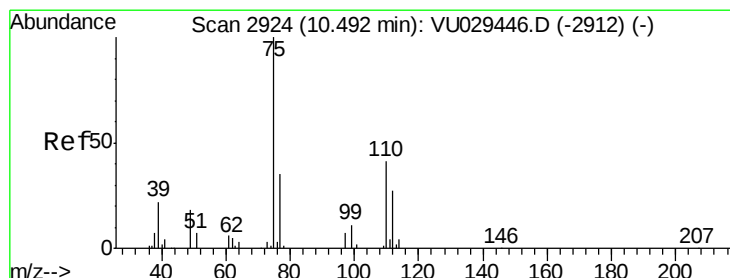
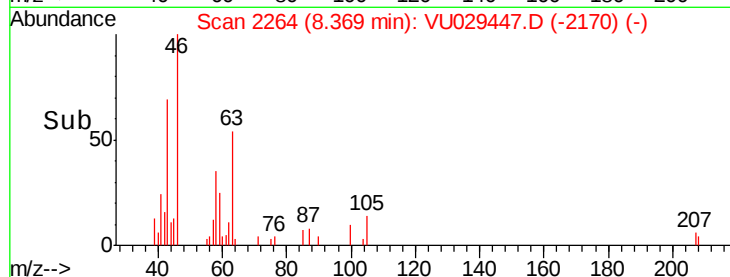
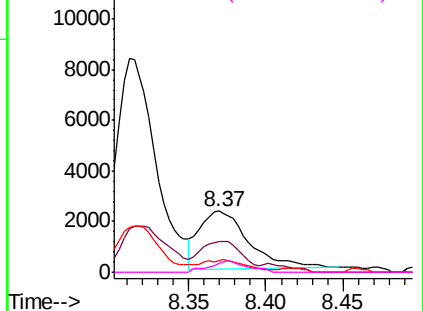
#48
 2-Hexanone
 Concen: 0.840 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.00 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

Tgt Ion: 43 Resp: 5159
 Ion Ratio Lower Upper
 43 100
 58 45.0 45.7 68.5#
 57 18.6 16.4 24.6
 100 14.4 11.1 16.7

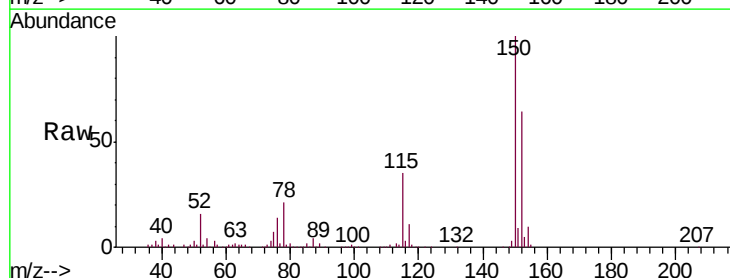


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0

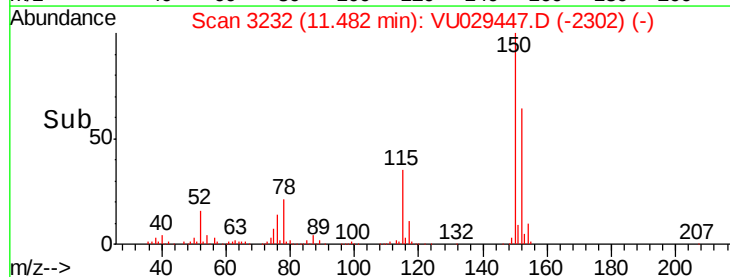
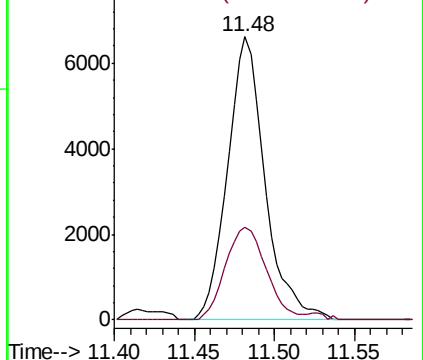


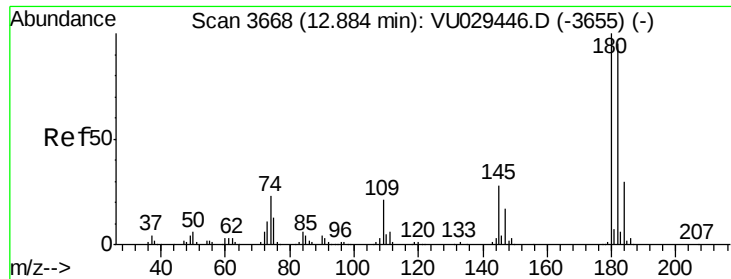
#59
 1,2,3-Trichloropropane
 Concen: 1.124 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

Tgt Ion: 75 Resp: 10542
 Ion Ratio Lower Upper
 75 100
 77 35.8 28.2 42.2



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

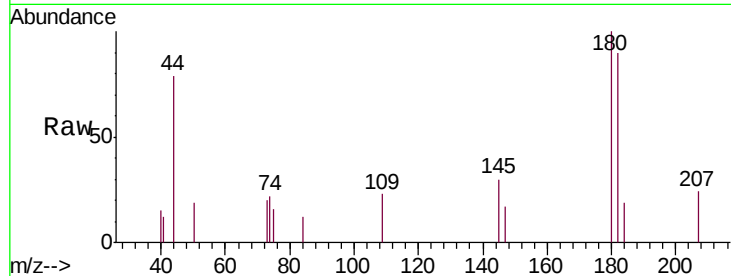




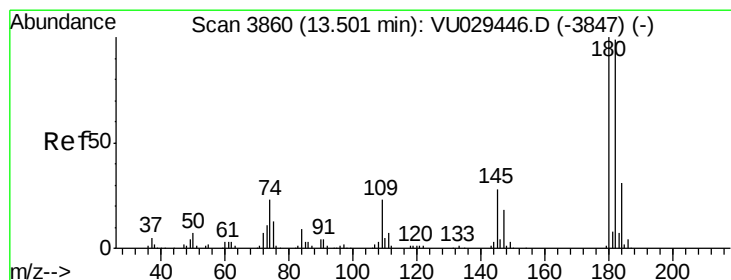
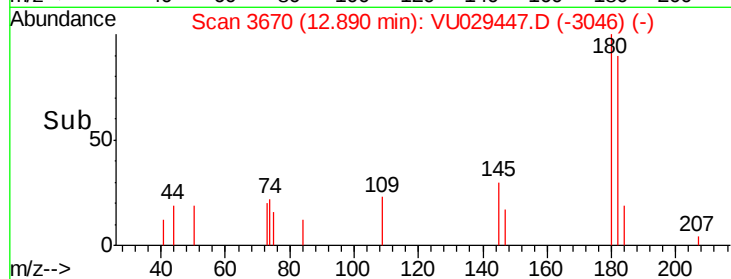
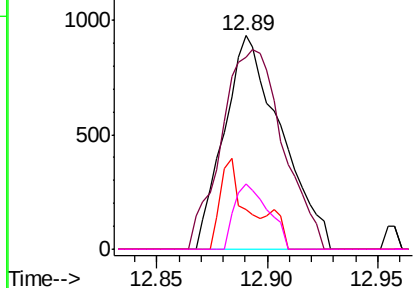
#67
 1,3,5-Trichlorobenzene
 Concen: 0.053 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

Instrument :
 MSVOA_U
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 VBLK52

Tgt Ion:180 Resp: 1671
 Ion Ratio Lower Upper
 180 100
 182 101.0 76.0 114.0
 184 17.8 24.1 36.1#
 145 18.3 22.6 34.0#

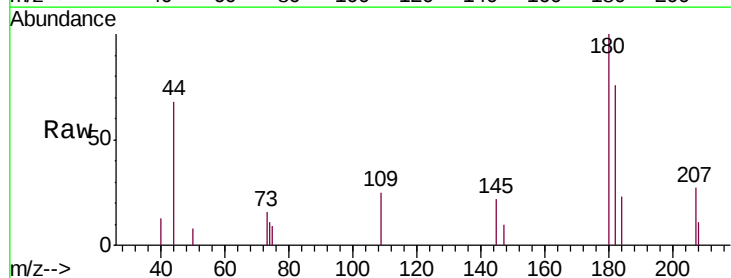


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

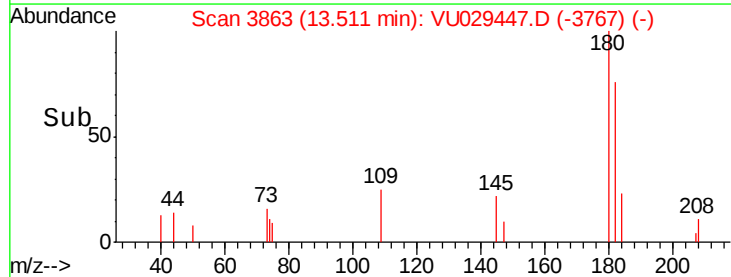
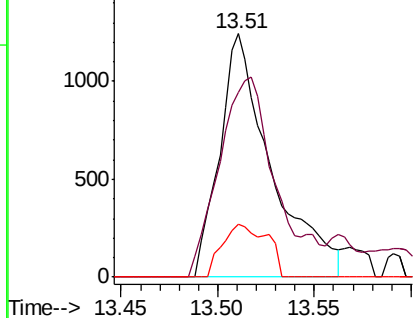


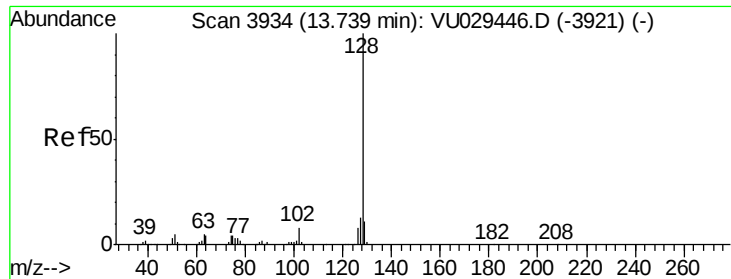
#68
 1,2,4-trichlorobenzene
 Concen: 0.088 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU029447.D
 Acq: 14 Feb 2019 10:55

Tgt Ion:180 Resp: 2304
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.1 115.7
 145 18.9 23.1 34.7#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.069 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

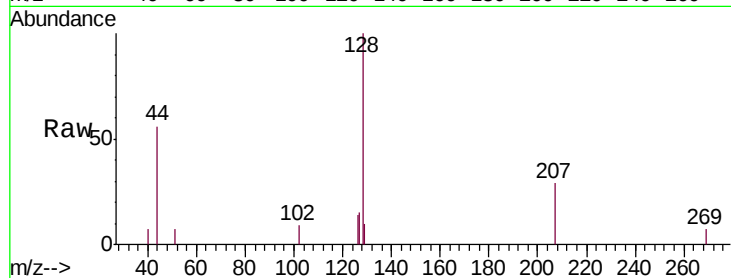
Tgt Ion:128 Resp: 3129

Ion Ratio Lower Upper

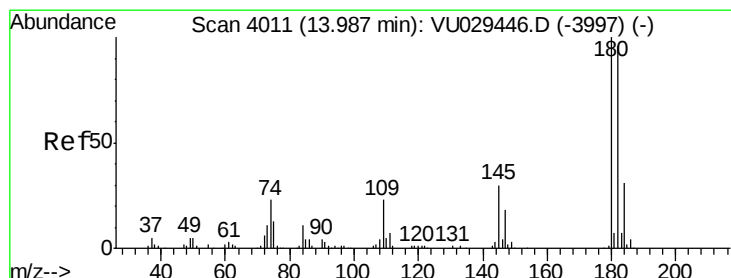
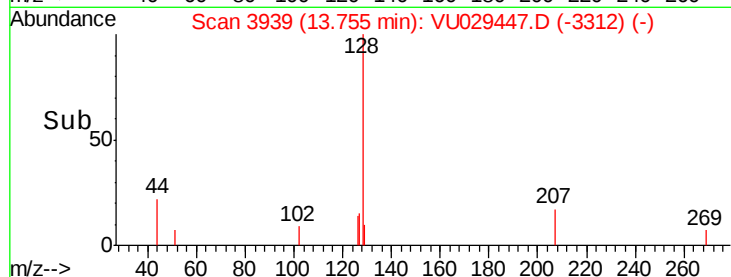
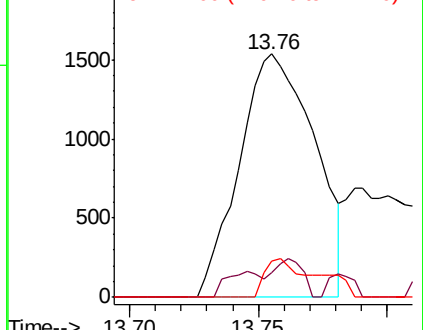
128 100

129 6.1 8.7 13.1#

127 7.8 10.3 15.5#



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: 0.093 ug/L

RT: 14.00 min Scan# 4014

Delta R.T. 0.01 min

Lab File: VU029447.D

Acq: 14 Feb 2019 10:55

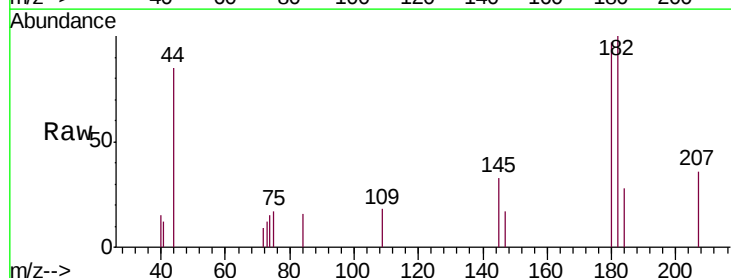
Tgt Ion:180 Resp: 2329

Ion Ratio Lower Upper

180 100

182 98.6 75.9 113.9

145 25.7 23.8 35.6



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

